

## SETTING SOFTWARE INSTRUCTIONS

# **MATRIX SYSTEM**

# **SX-2000 SERIES**

🛐 SX-2000 Managemer	nt tool(Superuser)		
<u>File View Communicati</u>	on <u>H</u> elp		
Basic settings	s Surveil- lance settings Friority settings Friority settings	era ngs Event settings Utility	
RM box	System n	anager	
2005A RM-2005A	Audio input unit	Audio output unit	
RM-200SF	SX-2100AI (ID 1)	SX-2100AO (ID 1)	
<b></b>			
RM-200	)SA (ID 1)	A01-ZONE1	Amplifier 4
RM-200	)SF (ID 2)	A01-ZONE2	Amplifier
Module box 🛛 🗶	AI1-IN3	AO1-ZONE3	Amplifier
	AI1-IN4	A01-ZONE4	Amplifier
SX-200RM	AI1-IN5	A01-ZONE5	Amplifier
		AO1-ZONE6	Amplifier
D-921F	AI1-IN7	AO1-ZONE7	Amplifier
	AI1-IN8	AO1-ZONE8	Amplifier
D-921E			
D-922F			Unit box 💌
D-922E			SX-2000CI
	1		

Thank you for purchasing TOA's Matrix System.

Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

**TOA** Corporation

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## **1. SX-2000 SETTING SOFTWARE OUTLINE**

The SX-2000 Setting Software allows the settings data needed for operation of SX-2000 Series Matrix Systems to be created using a personal computer.

These settings are saved in the form of a file with the extension ".smd."

This file can be saved to a CompactFlash (CF) card that may be read by inserting it into the SX-2000SM System Manager.

In addition, setting data can be sent and received online, or system operation status or histories confirmed through establishment of communications between the SX-2000SM System Manager and the PC.

## 2. EXPLANATIONS OF TERMS & FUNCTIONS

## 2.1. Pattern

A "pattern" is a grouped unit made by combining setting statuses of several setting items.

For example, various broadcast patterns are made by combining the selected input sound sources and broadcast zones into groups, and control output patterns are made by grouping the selected control outputs. Set various patterns can be used as the setting contents when creating other types of patterns or when allocating the functions in the Event settings.

## 2.2. Event

An "event" refers to the set operation to be performed by feeding signals to the control input terminals or pressing the function key.

Allocatable functions differ depending on the terminals or keys to be used.

## 2.3. General-Purpose Broadcasts

General-purpose broadcasts include announcements made by Remote Microphones, time-controlled chimes, and spot commercials. To make general-purpose broadcasts, set general-purpose broadcast patterns (comprised of various combinations of input channels, priority levels, broadcast zones, etc.), then activate these patterns by the following means.

- Control inputs of the SX-2000SM, SX-2100AI, SX-2000AO, SX-2100AO, or SX-2000CI
- Function keys or channel keys on the SX-2000AI, SX-2100AI, SX-2000AO, or SX-2100AO
- Keys on the RM-200SF, RM-200S, RM-200SA, or RM-210

The broadcasts activated by control inputs are made only while the control signal is ON after audio and control signals from input devices (such as microphones and audio file players) enter the SX-2000 system.

To make general-purpose pattern broadcasts, follow the procedures below to perform each setting using the SX-2000 Setting Software.

Set the output zones to which general-purpose p	oattern broadcast is made.
When using the output zone pattern, set this in the "Output zone pattern settings."	Output zone pattern settings       Number       1       Name       Zone pattern 1       Zonel       Zone2       A01       A01-ZONE1       A01-ZONE3
When setting the individual output zones, perform this settings."	setting in the "General broadcast patter
Set the general-purpose broadcast patterns.	
Perform this in the "General broadcast pattern settings."	General broadcast pattern settings         Number       1       Image: Colspan="2">Image: Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan=""2"Colspan="2"Colspan="2"Colspan="2"
Set the control output to be interlocked with the	control input or key operation. *
Perform this in the "Control output pattern settings."	Control output pattern settings
* Perform this setting as needed.	Number     I       Name     Control output pattern 1       SM     SM-COUT1       SM     SM-COUT1       All-COUT1     All-COUT2       All-COUT9     All-COUT10
Assign both the general-purpose broadcast patt the control input or key of the device, or the key Perform this in the "Event settings."	ern and control output pattern to on the remote microphone.

1					
	SYS1	SYSKEY1	General broadcast 💌	General pattern l 💌	Control output pattern l 💌
					I

#### [General-purpose broadcast Pattern Setting Example]

In the example below, the table shows a pattern comprised of several general-purpose broadcast sound sources and broadcast zones.

An output zone pattern is the one into which multiple broadcast zones are grouped, so broadcast can be made to multiple zones simultaneously by activating only one pattern.

#### Output zone pattern setting Zones SX-2000AO's output channels 1 2 3 4 5 6 1 $\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$ Output zone pattern (No.) 2 $\checkmark$ 3 $\checkmark$ 4 $\checkmark$ $\checkmark$

The input channels of the SX-2100AI (Audio Input Unit) are designated as sound sources for general-purpose broadcasts or BGM, while the output channels (individual) or output zone patterns of the SX-2000AO (Audio Output Unit) are designated as zones.

#### · General-purpose broadcast pattern setting

General-purpose broadcast pattern setting		Z	ones Output Zo	one Pat	tern
		1	2	3	4
Input Sources SX-2100AI's Input Channels (CH)	CH1	$\checkmark$			
	CH2		$\checkmark$		
	CH3			$\checkmark$	
	CH4				$\checkmark$

Broadcasts are made as follows when the above general-purpose broadcast pattern is used.



## 2.4. BGM Broadcasts

These broadcasts are generated by inputting audio signals originating only from BGM player devices into the SX-2000 system, and are usually sent at relatively low volumes. BGM broadcasting is conducted by first setting BGM patterns (comprised of various combinations of input channels, broadcast zones, etc.), then activating these patterns. It is possible to perform settings so that multiple BGM sources are output to multiple zones using a single BGM pattern. BGM patterns can be activated using the function keys on the front panel of the SX-2000AI, SX-2100AI, SX-2000AO, or SX-2100AO, the keys on the RM-200SF, RM-200S, RM-200SA, or RM-210, or the control input (pulse input) on the SX-2000SM, SX-2100AI, SX-2000AO, SX-2100AO, or SX-2000CI.

To make BGM pattern broadcast, perform each setting using the SX-2000 Setting Software. The setting procedures are the same as those of general-purpose pattern broadcast. However, there is no need to perform output zone patterns.

## [BGM Pattern Setting Example]

In the example below, the table shows a pattern comprised of several BGM sound sources and broadcast zones. The input channels of the SX-2100AI (Audio Input Unit) are designated as BGM input sources, while the output channels of the SX-2000AO (Audio Output Unit) are designated as the zones.

			SX-200	Zoı 0AO's C	nes Output C	hannels	3
		1	2	3	4	5	6
	CH1	$\checkmark$					
SX-2100Al's Input Channels (CH)	CH2		$\checkmark$			$\checkmark$	
SX-2100AI's Input Channels (CH)	CH3			$\checkmark$			
	CH4				$\checkmark$		$\checkmark$

Broadcasts are made as follows if the pattern shown in the table is used:



## 2.5. Emergency Broadcast

Emergency broadcast is conducted by first setting the combinations of the Emergency Sequences, Output zones (individual or pattern), and Control Output patterns as Emergency Broadcast Patterns, then activating these patterns by pressing the key on the remote microphone or via the control input of the system equipment. A maximum of 128 patterns can be set for the Emergency Broadcast Patterns.

A combination of the EV message (sound source) and its broadcast duration is set as a single phase for the Emergency Sequences, each of which can contain up to 3 levels of phases. A maximum of 4 Emergency Sequences can be set.

	Phase 1	Phase 2	Phase 3
Sequence	EV message +	EV message +	EV message +
	broadcast duration	broadcast duration	broadcast duration

#### Note

An EV message is a short form of Electronic Voice Message. These messages are recorded as audio files.

The separately created EV messages are registered using the Setting Software, and each message is set to one of 3 types: Alert, Evacuation, and Reset depending on the contents.

The Alert and Evacuation messages are used in emergency situation, while the Reset message is used to notify that the emergency situation is over.

Sixteen kinds of EV messages can be recorded on the SX-2000SM's CF card.

Output zone pattern is the one into which multiple broadcast zones are grouped, so broadcast can be made to multiple zones simultaneously by activating only one pattern.

Similarly, control output pattern is the one into which multiple control outputs are grouped. This control output pattern can be used, for example, to activate multiple control outputs in synchronization with the emergency broadcast.

Output zone pattern	Multiple zones
Control output pattern	Multiple control outputs

To use the emergency broadcasting function, follow the procedures below to perform each setting using the SX-2000 Setting Software.



### Set the output zones to make emergency broadcast.

Perform this in the "Output zone pattern settings."

Output zoi	ne pattern settir	ngs			
Number	Number 🚺 1 💌 🕨				
Name	Zone pattern l				
	Zonel	Zone2	Zone3		
A01	A01-ZONE1	A01-ZONE2	A01-ZONE3		

## Set the control output to be activated at the time of emergency broadcast\*.

Perform this in the "Control output pattern settings."

\* Perform this setting as needed.

Control output pattern settings						
Number	Number 🚺 1 💌 🕨					
Name	Control output pattern l					
SM	SM-COUT1 SM-COUT2 SM-COUT3					
	AII-COUT1 AII-COUT2 AII-COUT3					
AII	All-COUTIO All-COUTII	4				

## Set the Emergency Sequences.

Perform this in the "Emergency sequence settings."	Emergency sequence settings Number 1 v Paste Name Emergency sequence 1
	Phase 1 Message sign0001 V Alert Duration(min) S V

## Set the Emergency Broadcast Patterns.

Perform this in the "Emergency broadcast pattern settings."

Number	1 🗸 🕨	Paste	Сору
Name	Emergency pattern 1		
Sequence	001: Emergency sequence 1		
Phase 1 Message	Alert	Output	Individual     Pattern     O01: Torre pattern

Assign each function to be used at the time of emergency broadcast to the control inputs of the devices or the key on the remote microphone.

### Perform this in the "Event settings."

<b></b>				
EM	G EMGKEY	Emergency broadcast pattern start 💌	001: Emergency pattern l 💉	
SYS	1 SYSKEY1	Emergency broadcast pattern stop 💌	001: Emergency pattern l 💉	
S¥3	2 SYSKEY2	Emergency sequence phase shift 🛛 👻	001: Emergency sequence 1	
S¥3	3 SYSKEY3	Emergency reset 💙	002: sign0003	001: Control output pattern l
		•		

## [Emergency broadcast pattern configuration]

	Emorgonov	Phase 1	Phase 2	Phase 3
Emergency broadcast pattern	sequence	EV message +	EV message +	EV message +
Emorgonov		broadcast duration	broadcast duration	broadcast duration
Emergency broadcast pattern	Output zone	Individual or pattern (multiple zones)	Individual or pattern (multiple zones)	Individual or pattern (multiple zones)
	Control output pattern	Multiple control outputs	Multiple control outputs	Multiple control outputs

### [Emergency broadcast setting example]

#### Emergency sequence settings

Emergency	Phase 1	Phase 2	Phase 3
sequence 1	EV message 1, 5-minute broadcast	EV message 2, Continuous broadcast	

Note: Phase 3 is not set in this example.

#### · EV message settings

Message name	Audio file	Туре
EV message 1	sign001.wav	Alert
EV message 2	sign002.wav	Evacuation

#### Output zone pattern setting

				Zones SX-21	00AO's	output	channel	s
			1	2	3	4	5	6
	Output zone pattern (No.)	1	$\checkmark$					
		2	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$

Г

#### Control output pattern settings

Control output pattern (No.)	1	SX-2000SM's control outputs 1 and 2
Control output pattern (NO.)	2	SX-2100AI's control outputs 1 and 2

#### Emergency broadcast pattern settings

		Emergency sequence 1			
	Emergency	Phase 1	Phase 2	Phase 3	
Emergency broadcast	sequence	EV message 1, 5-minute broadcast	EV message 2, Continuous broadcast		
pation	Output zone	Output zone pattern 1	Output zone pattern 2		
	Control output pattern	Control output pattern 1	Control output pattern 2		

## [Operation example]

The example here assumes that a fire breaks out in Zone 1.

(Phase 1)

(2) After 5 minutes, Phase 1 is shifted to Phase 2 and the "Evacuation" EV message is broadcast to all zones. In this event, SX-2000SM's Control outputs 1 and 2 turn OFF, while SX-2100AI's Control outputs 1 and 2 turn ON.



## 2.6. Surveillance Function

Surveillance function continuously monitors such status at the major points from input to output of the system as each unit operation, cable connections or communications between the units, and power supply.

If a unit fails or cable breaks, this is notified to the system operator by some means. Failure status of the external equipment can also be accepted and notified.

When a failure has occurred, perform a set of operations: failure reception first to acknowledge failure state and finally failure reset to restore the system to normal using the keys on the SX-2000SM or remote microphone, or control input terminals of the system equipment.

Set the Surveillance intervals, intended surveillance points, and actions at the time of failure occurrence using the SX-2000 Setting Software.

To use the Surveillance function, follow the procedures below to perform each setting.

	Surveillance function
	Used
the surveillance points of each d	levice.
Perform this in the "Surveillance individual	l settings."
	Surveillance individual settings
	SM DC POWER SX LINK ANALOG LINK DS LINK
	AII DC POWER SX LINK ANALOG LINK
	All         OUT         1         2         3         4           Image: Second and the latter of the la
the control outputs to be activate	ed at the time of failure detection *
Perform this in the "Control output pattern	Settings." <u>Control output pattern settings</u>
* Perform this setting as needed.	Number 🚺 1 💌 🕨
	Name Control output pattern 1
	SM SM-COUT1 SM-COUT2 SM-COUT3
	AII AII-COUTIO AII-COUTIO AII-COUTIO
ign the "External failure input" fu	unction to the control input*.
Perform this in the "Event settings."	•
13 AII-CIN13	External failure input Y Failure when turning it off
13 AII-CIN13	External failure input

Select the surveillance target devices or the surveillance points in the SX-2000 system.

Perform this in the "Failure output pattern settings."	Failure output pattern
	Number 🚺 1 💌 🕨 Name Failure output pattern l
	SM SM
	RM         Input1         Input2         Input3           AI1         AI1-RM1         AI1-RM2
Assign the Failure acknowledgement and Failure control inputs of the device or the keys on the rel	e Status Reset functions to the mote microphone.

Perform this in the "Event settings."

	·		1
7	AO1-CIN7	Faihre output receipt 💌	Γ
8	A01-CIN8	Faikire output reset 💌	

## [Failure output pattern configuration]

	Surveillance target	Each device, each surveillance point (Set the surveillance points of each device in the SX-2000 system in the Surveillance settings individually.)
Failure output pattern	External failure input	Control input terminal (Control input set to "External failure input" in the Event settings.)
	Failure state output	Control output pattern (Multiple control outputs)

## [Example of assigning the Surveillance function to the remote microphone]

#### Surveillance individual settings

	Surveillance point				
_	Power supply	SX link		Control input 1	
SX-2000SM	$\checkmark$	$\checkmark$		$\checkmark$	
SX-2100AI (1)	$\checkmark$	$\checkmark$			

## Control output pattern settings

Control output pattern (No.)	3	SX-2000SM's control outputs 3 and 4
	4	SX-2100AI's control outputs 3 and 4

## Remote microphone's function key settings

Key	Function	Contents		
Function key 1	Failure output receipt		Surveillance target	SX-2000SM
		Failure output	External failure input	None
			Failure status output	Control output pattern 3
Function key 2 F	Failure output receipt	Failure output	Surveillance target	SX link
			External failure input	None
			Failure status output	Control output pattern 4
Function key 3	Failure output reset			

## **3. NOTES ON PERFORMING SETTINGS**

## 3.1. System Requirements

- OS: Windows Vista, Windows XP SP2 or later
- CPU: 800 MHz or faster
- Memory: 512 MB or more
- Application software: Microsoft Excel\*1, Windows Media Player 9.0 or later\*2
- Environment to support CF card\*3

\*1 Needed to print labels using the SX-2000 Setting Software. Use the Microsoft Excel 2007 or later for the Windows Vista or Microsoft Excel 2000 or later for the Windows XP SP2.

\*2 Needed to preview the EV messages using the SX-2000 Setting Software.

\*3 Combination of a PC card slot and CF card adapter (supplied), or an external CF card/writer device is needed.

#### Note

Windows, Windows Vista, Microsoft Excel, and Windows Media are trademarks of Microsoft Corporation.

## 3.2. Notes

#### 3.2.1. Compact flash cards

#### [Data storage]

When storing settings data created using the SX-2000 Setting Software on a CF card, use the included card. On the CF card, do not store any files other than those related to the software. Failure to do so may cause the unit malfunction.

#### [Card Removal & Insertion]

Do not remove nor insert the CF card while settings data is being written or read, as doing so may cause data loss or damage the card.

### [Prohibition]

Never use any CF card that has been used for other devices.

### 3.2.2. Displays

The SX-2000 Setting Software creates window displays at a resolution of 1024 x 768 pixels. Setting the screen size to a lower resolution or resizing windows may cause a portion of display to be hidden or cut off.

#### 3.2.3. Window screens

The windows displayed by the SX-2000 Setting Software in this manual are examples and may vary somewhat depending on the specific environment of the PC used.

## 3.3. Setting Procedures

### 3.3.1. Offline operation



### 3.3.2. Online operation

The following procedure is recommended when performing settings online.



## 4. SOFTWARE SETUP

#### Notes

- · Close all open applications before installing.
- To install the software, it is necessary to log in to the PC using an administrator account.

## 4.1. Setting Software Installation

Step 1. Click on "setup.exe" in the setting software folder contained in the CD supplied with the SX-2000SM.

The installation wizard screen is displayed.

#### Note

The installation wizard screen may not be displayed. In this case, read the next page.



Step 2. Click the [Next] button.

The Select Installation Folder screen is displayed.

SX2000 Management Tool	
Select Installation Folder	
The installer will install SX2000 Management Tool to the following folder.	
To install in this folder, click "Next". To install to a different folder, enter it below	or click "Browse".
<u>F</u> older:	
C:¥Program Files¥TOA Corporation¥SX2000¥SX2000 Managemer	B <u>r</u> owse
	Disk Cost
Install SX2000 Management Tool for yourself, or for anyone who uses t	his computer:
C Everyone	
(● Just <u>m</u> e	
Cancel < <u>B</u> ack	Next>

Step 3. Change the folder as needed, then click the [Next] button.

The Confirm Installation dialog is displayed.

😽 SX2000 Management Tool	
Confirm Installation	
The installer is ready to install SX2000 Management Tool on your computer.	
Click "Next" to start the installation.	
Cancel < <u>B</u> ack	<u>N</u> ext >

Step 4. Click the [Next] button to start installing the software.

**Step 5.** When the Installation Complete dialog is displayed, click the [Close] button to complete the installation.



#### [If no installation wizard screen is displayed]

The screen at right may be displayed when the Step 1 is performed. In this case, install the software needed to run the SX-2000 Setting Software with the steps below.

Step 1. Click the [Accept] button.

The software installation screen is displayed.

Step 2. Click the [Install] button.

Installation in progress screen is displayed.





As the installation wizard screen is displayed after completion of installation, follow the steps shown on the previous page.

## 4.2. Uninstallation

- Step 1. Click on "setup.exe" in the setting software folder contained in the CD supplied with the SX-2000SM. The setup wizard screen is displayed.
- Step 2. Select "Remove SX2000 Management Tool," and click the [Finish] button to start uninstalling the software.



Step 3. When the Installation Complete dialog is displayed, click the [Close] button to complete the uninstallation.

18	SX2000 Management Tool			
I	nstallation Complete			
S	≺2000 Management Tool has been su lick "Close" to exit.	ccessfully removed.		
		Cancel	< <u>B</u> ack	

## 4.3. Update

- Step 1. Click on "setup.exe" in the setting software folder contained in the CD supplied with the SX-2000SM. The setup wizard screen is displayed.
- Step 2. Select "Repair SX2000 Management Tool," and click the [Finish] button to start updating the software.



Step 3. When the Installation Complete dialog is displayed, click the [Close] button to complete the update.

🙀 SX2000 Management Tool	
Installation Complete	
SX2000 Management Tool has been successfully installed. Click "Close" to exit,	
Please use Windows Update to check for any critical updates to the .NET Framewor	ık.
Cancel < <u>B</u> ack	Close

## 5. RUNNING THE SX-2000 SETTING SOFTWARE

## 5.1. Running The SX-2000 Setting Software

To start the software, select "TOA Matrix Series  $\rightarrow$  SX2000" from the Start menu, or double-click the SX2000 shortcut icon on the desktop.

Start menu		Shor
📷 TOA Matrix Series	• 🏂 SX2000	

Shortcut icon on the desktop



The login screen is displayed.

SX-2000 Management tool
Please select mode and input the password.
<ul> <li>Superuser mode</li> </ul>
Change
O User mode(Read only)
Login Finish

Two modes are made available for the SX-2000 Setting Software: Superuser mode and User mode, which are different in login method.

In Superuser mode, the setting data can be newly created and the preset data can be edited. This mode requires a login password, which can also be changed in this login screen.

In User mode, no setting data can be changed.

But, it is possible to perform operations requiring no setting data change such as setting content confirmation, setting data's read and print, and label print for the remote microphone.

## 5.2. Login In Superuser Mode

#### 5.2.1. How to login

Step 1. Select "Superuser mode" in the login screen, then enter the password.

#### Note

Password is "Superuser" by default. Passwords are case-sensitive.

🛣 SX-2000 Management tool	×
Please select mode and input the password.	
Superuser mode	
******** Change	
O User mode(Read only)	
Login Finish	]
2	

#### Step 2. Click the [Login] button.

The initial screen of the Setting Software is displayed.

🙀 SX-2000 Management tool(Superuser)	
<u>File View Communication H</u> elp	
Basic settings     System settings     Surveil- lance settings     Priority settings     Pattern settings	t Event Utility
<u>Basic settings</u>	
Language ③ English ③ Japanese ③ Other System name SX-2000	
~ Natural sattings	Common settings
IP address: 192 · 168 · 14 · 1	Al/AO display settings           Detect         Switch off illumination after 5 minutes
Subnet mask: 255 · 255 · 0	Survemance nunction Not used
Default gateway: 0 · 0 · 0	General broadcast (AC-mains failure status) Continue
HTTP server port: 80	System reset Not used
Time settings	
Year         Month         Day         Hour         Minute         Second           2009         1         20         12         48         31	Read Change

#### 5.2.2. Password change

Step 1. Select "Superuser mode" in the login screen, then enter the current password.

#### Note

Password is "Superuser" by default. Passwords are case-sensitive.

- Step 2. Click the [Change] button. The password change screen is displayed.
- Step 3. Enter the desired password in the New password field, then reenter the same desired password in the Password for confirmation filed.

Note

Up to 16 alphanumeric characters can be used.

Step 4. Click the [OK] button.

The display reverts to the login screen.

🛐 SX-2000 Management tool 🛛 🛛 🗙
Please select mode and input the password.
Login Finish

ST Password	
New password	
*****	
Password for confirmation	3
****	
<b>4</b> OK	Cancel

## 5.3. Login In User Mode

Select "User mode (Read only)" in the login screen, then click the [Login] button.

🙀 SX-2000 Management tool 🛛 🛛 🗙
Please select mode and input the password.
🔿 Superuser mode
Change
• User mode(Read only)
Login Finish

The initial screen of the Setting Software is displayed. The data shaded in gray cannot be changed.

SX-2000 Management	tool(Readonly)			
ile <u>V</u> iew <u>C</u> ommunication	<u>H</u> elp			
Basic settings	Surveil- lance settings	Pattern settings	Utility	
Basic settings				
Language 💿 Englis	h 🔵 Japanese 🔵 Ot	ther		
System name SX-2000	)			
Network settings			Common settings	
IP address:	192 - 168 - 14 - 1	Detect	AI/AO display settings Switch off illumination after 5 minutes	
Subnet mask:	255 · 255 · 255 · 0		Not used	
Default gateway:	0.0.0.0	Change	General broadcast (AC-mains failure status) Continue	
HTTP server port:	80	System reset	Emergency broadcasting function Not used	
Time settings		]		
Year Month	Dav Hour Minute S	econd		
2009 1	20 15 31	38 Change		

### Note

When changing the mode from User to Superuser, first exit and restart it, then login again in Superuser mode.

## 6. SETTING ITEMS AND PROCEDURES

Setting item buttons are located in the upper portion of the screen.

The entire system setting is divided into 6 steps of settings starting with "Basic settings" to "Event settings" from left to right. Be sure to make settings in this order.

Clicking on each setting item button displays the corresponding setting screen in the main area below the setting item buttons.

Setting items	
SX-2000 Management tool(Superuser)	
<u>File view Communication Help</u>	
Basic settings System settings Surreil- lance settings Priority settings Pattern settings	Event Settings Utility
<u>Basic settings</u>	
Language 💿 English 🔿 Japanese 🔿 Other	
System name SX-2000	
	Common settings
	AI/AO display settings
IP address: 192 · 168 · 14 · 1	Detect Switch off illumination after 5 minutes 💌
	Surveillance function
Subnet mask: 255 · 255 · 255 · 0	Not used
Default gateway: 0 · 0 · 0 · 0	General broadcast (AC-mans failure status)
	Emergency broadcasting function
HTTP server port: 80	System Not used
1 ime settings	
Year Month Day Hour Minute Second	Read
2009 1 20 12 48 31	
	Change

## 6.1. Menu Configuration

Basic settings (p. 29)	Language setting (p.	. 29)	Select the displayed language.
	System name setting (p.	. 29)	Set the desired system name.
	- Network settings (p.	. 29)	Make network-related settings.
	- Common settings (p.	. 30)	Make settings related to the SX-2000AI/2100AI/2000AO/ 2100AO, Surveillance function, and Emergency.
	- Time settings (p.	. 30)	Set the current time for the SX-2000SM.
System settings	- SX-2000SM (p.	. 45)	Set each name of the control inputs and outputs, and register EV messages.
(p. ++)	- SX-2000AI, SX-2100AI (p.	o. 50)	Configure the modules used for the SX-2000AI or SX-2100AI, and set each name of the control inputs and outputs.
	- RM-200SF (p.	. 55)	Make function settings and set the unit name.
_	- RM-200S, RM-200SA (p.	. 58)	Make function settings and set the unit name.
	- SX-2000AO, SX-2100AO (p.	. 61)	Configure the audio outputs, and set each name of the control inputs and outputs.
	- SX-2000CI (p.	. 65)	Set each name of the control inputs.
	- SX-2000CO (p.	. 67)	Set each name of the control outputs.
Surveillance settings	Interval settings (p.	. 69)	Set the start time and interval time for confirming failure status of the external devices.
(p. 03)	Surveillance individual settings (p.	. 70)	Set each device's individual points to be detected for failure.
Priority settings (p. 71)	Priority settings (p.	. 71)	Set the priority levels for General-purpose, Emergency, and BGM broadcasts.
Pattern settings (p. 74)	Output zone pattern settings (p.	o. 77)	Set broadcast zones as Output zone pattern.
_	BGM pattern settings (p.	. 78)	Set BGM broadcast zones as BGM pattern.
_	General broadcast pattern settings (p.	o. 79)	Set General-purpose broadcast zones as General broadcast pattern.
	- Control output pattern settings (p.	. 81)	Set the control outputs to use as Control output pattern.
_	Emergency sequence settings (p.	. 82)	Set the sequence of Emergency broadcast.
_	Emergency broadcast pattern settings (p.	o. 83)	Register a set of Emergency sequence, output zone, and control output pattern as Emergency broadcast pattern.
	- Failure output pattern settings (p.	. 85)	Set detection points for failure as Failure output pattern.
Event settings (p. 87)	System event settings (p. 7	100)	Set control output patterns invoked in Emergency broadcast state or at power failure.
_	- SM event settings (p	101)	Assign functions to the control inputs.
_	Al event settings (p. 7	105)	Assign functions to the function keys, channel keys, and control inputs.
_	AO event settings (p. 7	109)	Assign functions to the function keys, channel keys, and control inputs.
_	- RM event settings (p. 7	112)	Assign functions to the keys.
	- CI event settings (p	119)	Assign functions to the control inputs.
Utility (p. 120)	- Log file display (p	121)	Displays the log data stored on the CF card, and exports the log data.
	Online log (p	125)	Displays log data online.
-	- System status (p	128)	Displays system configuration or failure status online.
-	Audio input and output status (p.	. 147)	Displays audio input and output status online.
	- Control input and output status (p.	151)	Displays control input and output status online.

## 6.2. Menu Bar

• <u>F</u> ile	
<u>N</u> ew:	Creates a new file of data set using the SX-2000 Setting Software.
<u>O</u> pen:	Reads the stored data of the SX-2000 Setting Software.
<u>S</u> ave:	Saves data of the SX-2000 Setting Software in edit.
Data output ( <u>P</u> ): Setting data ( <u>C</u> ): PM label (L):	Exports the setting data in csv format.
	210's label in xls format.
<u>E</u> xit:	Exits the SX-2000 Setting Software.

## • <u>V</u>iew

Basic settings:	Moves to the Basic settings screen.
System settings:	Moves to the System settings screen.
Surveillance settings (V):	Moves to the Surveillance settings screen.
Priority settings:	Moves to the Priority settings screen.
Pattern settings (A):	Moves to the Pattern settings screen.
Event settings:	Moves to the Event settings screen.
<u>U</u> tility:	Moves to the Utility screen.
Module box:	Displays or hides the Module box in the System settings screen.
<u>R</u> M box:	Displays or hides the RM box in the System settings screen.
<u>U</u> nit box:	Displays or hides the Unit box in the System settings screen.

## • **Communication**

<u>C</u> onnect (F5):	Initiates communications between the SX-2000SM and a PC. (Refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC.")
Disconnect (Shift + F5):	Terminates communications between the SX-2000SM and the PC.
SX CF Online read [SX -> PC] ( <u>R</u> ):	Reads setting data from the CF card.
SX CF Online write [PC $\rightarrow$ SX] ( <u>W</u> )	Writes setting data to the CF card.
Receive configuration ( $\underline{S}$ ):	Receives current system configuration information.
Receive all log files (L):	Acquires all log data contained in the CF card.

## • <u>H</u>elp

Version (<u>A</u>): Displays the version number of the SX-2000 Setting Software.

## 7. BASIC SETTINGS

SX-2000 Management tool(S	uperuser)			
File View Communication Help	apor usor 7			ركارك
Basic settings	iurveil- lance ettings	Event settings	Utility	
Language <b>(1)</b> ③ English System name SX-2000	🔵 Japanese 🔷 Other	(2)		
Network settings	(3)		Common settings (4) Al/AO display settings	
IF address: Subnet mask:	192 · 168 · 14 · 1	Detect	Switch off illumination after 5 minutes V Surveillance function Not used V	
Default gateway:	0 · 0 · 0 · 0	Change	General broadcast (AC-mains failure status) Continue Emergency broadcasting function	
HTTP server port:	80	System reset	Used EV message to zone after emergency paging Continue	
Time settings (5) Year Month Day 2009 1 20	Hour Minute Second	Read	L	

Pressing the [Basic settings] button displays the screen below.

#### (1) Language Setting

Select the language to use.

Note: "Other" is not used.

Available Settings English (default), Japanese, Other

#### (2) System Name Setting

Enter the system name.

Available Settings Up to 32 alphanumeric characters. (default: SX-2000)

#### (3) Network Settings

Set the IP address, subnet mask, default gateway, and HTTP server port.

The network settings are used for online connection. Perform settings according to the network environment of the PC to be connected.

Consult the network administrator for details.

[Default settings]

- · IP address: 192.168.14.1
- · Subnet mask: 255.255.255.0
- · Default gateway: 0.0.0.0
- · HTTP server port: 80

Connecting the SX-2000SM to a PC makes it possible to acquire and modify the SX-2000SM's network settings. (Refer to p. 31 "Detecting the SX-2000SM's Network Settings," p. 38 "Changing the SX-2000SM's Network Settings.")

#### (4) Common Settings

#### Al/AO display settings

Select the extinguish time for the vacuum fluorescent displays (VFD) on the SX-2000AI, SX-2100AI, SX-2000AO, and SX-2100AO.

Available Settings Switch off illumination after 5 minutes (default), Always illumination

When "Switch off illumination after 5 minutes" is selected for the VFD's extinguish time, the screen automatically goes out if no operation is performed for 5 minutes. Pressing any keys other than the function keys on the front panel resets the screen display.

#### Note

The VFD is an expendable item.

Its display quality deteriorates with age.

As operation in "Always illumination" mode will accelerate aging, normally set to "Switch off illumination after 5 minutes."

#### Surveillance function setting

Set whether or not to use this function in each individual part of the SX-2000SM, SX-2000AI, SX-2100AI, SX-2000CO, RM-200SF, and RM-200SA.

Available Settings Not used (default), Used
---

#### General broadcast (AC-mains failure status)

Set whether or not general broadcasts will be continued when a power failure occurs.

|--|

#### Emergency broadcasting function

Set whether or not to use the Emergency Broadcasting function.

Available Settings	Not used (default), Used
--------------------	--------------------------

#### EV message to zone after emergency paging

Set whether to enable or disable EV Message (broadcast of the message registered as sound source of the emergency broadcast) to the zones after the Emergency RM broadcast by microphone announcement is completed.

Available Settings	Continue (default), Stop
--------------------	--------------------------

Note: This function is available only when the "Emergency" broadcast function is set to "Used."

#### (5) Time Settings

Set the year, month, day, hour, minute, and second. (Refer to p. 42)

## 7.1. Detecting the SX-2000SM's Network Settings

It is possible to acquire the SX-2000SM's network settings by connecting the SX-2000SM to a PC.

#### 7.1.1. When a single SX-2000SM is connected to the switching hub

Step 1. Connect the SX-2000SM and the PC installed with the SX-2000 software to the switching hub. Connect the SX-2000SM's LAN connection terminal to a 10BASE-T- or 100BASE-TX-compatible switching hub.

Use STP Category 5 Standard straight LAN cable fitted with RJ45 connectors.

#### Notes

- · Do not connect the switching hub to the LAN.
- Avoid directly connecting the SX-2000SM to the PC via a cross cable.



#### Step 2. Click the [Detect] button.

🌆 SX-2000 Management tool(Su	peruser)			
<u>File View Communication H</u> elp				
Basic settings System settings Signature settings	rreil- ince tings Friority settings Fattern settings	Event settings	Utility	
<u>Basic settings</u>				
Language 💿 English	O Japanese O Other			
System name SX-2000				
Network settings			Common settings	
			AI/AO display settings	
IP address:	192 - 168 - 14 - 1	Detect	Switch off illumination after 5 minutes 👻	
			Surveillance function	
Subnet mask:	255 · 255 · 255 · 0		Used 💙	
Default zateway:	0 0 0 0	Change	General broadcast (AC-mains failure status)	
			Emergency broadcasting function	
HTTP server port:	80	System	Used V	
		reset	EV message to zone after emergency paging	
			Continue	
I ime settings				
Year Month Day	Hour Minute Second	Read		
2009 1 20	15 32 58	Change		

Communications begin.

The following screen is displayed during communications.

🐼 SX-2000 Management tool 🛛 🛛 🕅
Communicating.
Please wait for a moment.
Cancel

Pressing the [Cancel] button during communications displays the following screen.



The detected SX-2000SM's network settings are displayed after communication is completed.

🙀 SX-2000 Management tool(Superuser)	
<u>File V</u> iew <u>C</u> ommunication <u>H</u> elp	
Basic settings System settings Surveil- lance settings Friority settings Patter	rn gs 🕨 Event settings Utility
Basic settings	
Language 💿 English 💿 Japanese 💿 Other System name SX-2000	
- Network settings	Common settings
IP address: 192 · 168 · 14 · 2	Detect Switch of Filumination after Sminutes V
Subnet mask: 255 · 255 · 255 · 0	Change General broadcast (AC-mains failure status)
Default gateway: 0 · 0 · 0	Stop V Emergency broadcasting function
HTTP server port: 80	System Used V
	EV message to zone after emergency paging Continue
Time settings	
YearMonthDayHourMinuteSecond2009120153258	Read Charge

#### 7.1.2. When the PC is set for multiple networks

Step 1. Connect the SX-2000SM and the PC installed with the SX-2000 software to the switching hub. Connect the SX-2000SM's LAN connection terminal to a 10BASE-T- or 100BASE-TX-compatible switching hub.

Use STP Category 5 Standard straight LAN cable fitted with RJ45 connectors.

#### Notes

- Do not connect the switching hub to the LAN.
- Avoid directly connecting the SX-2000SM to the PC via a cross cable.



Step 2. Click the [Detect] button.

SX-2000 Management tool(Superuser)	
<u>File View Communication H</u> elp	
Basic settings     System settings     Surveil- lance settings     Priority settings     Pattern settings	Event settings
<u>Basic settings</u>	
Language 💿 English 🔿 Japanese 🔿 Other	
System name SX-2000	
Network settings	Common settings AI/AO display settings
1P address: 192 · 168 · 14 · 1	Switch off illumination after 5 minutes
Subnet mask: 255 · 255 · 0	Used
Defailt satewar:	hange General broadcast (AC-mains failure status)
	Emergency broadcasting function
HTTP server port: 80	ystem reset
	EV message to zone after emergency paging Continue
Time settings	
Year     Month     Day     Hour     Minute     Second       2009     1     20     15     32     58	Read

Communications begin.

The following screen is displayed during communications.

🐼 SX-2000 Management tool	X
Communicating.	
Please wait for a moment.	
Crossel	
Cancel	
•	

Pressing the [Cancel] button during communications displays the following screen.



The screen for IP address selection is displayed after communication is completed.

SX-2000 Management Tool
Several network units were detected. Please select the IP address of the SX-2000SM you want to connect to.
IP Address 10.1.42.1
OK Cancel

Step 3. Select the IP address to be used, then press the [OK] button.

SX-2000 Manag	ement Tool	×
Severa Please SX-20	I network units were detected. select the IP address of the DOSM you want to connect to.	
IP Address	10.1.42.1	
	10.1.42.1	
لم ا	OK Cancel	

The detected SX-2000SM's network settings are displayed.

#### 7.1.3. When multiple SX-2000SMs are connected to a switching hub

Step 1. Connect the SX-2000SM and the PC installed with the SX-2000 software to the switching hub. Connect the SX-2000SM's LAN connection terminal to a 10BASE-T- or 100BASE-TX-compatible switching hub.

Use STP Category 5 Standard straight LAN cable fitted with RJ45 connectors.

#### Notes

- Do not connect the switching hub to the LAN.
- Avoid directly connecting the SX-2000SM to the PC via a cross cable.



Step 2. Click the [Detect] button.

SX-2000 Management tool(Superuser) le <u>V</u> iew <u>C</u> ommunication <u>H</u> elp	
Basic settings System settings System settings Priority settings Pattern settings Event settings	Utility
Basic settings	
Language 💿 English 🔘 Japanese 🔘 Other	
System name SX-2000	
Network settings	Common settings
	AI/AO display settings
1P address: 192 · 168 · 14 · 1	Switch off illumination after 5 minutes 🚩
Subnet mask: 255 · 255 · 0	Used
Change	General broadcast (AC-mains failure status)
Default gateway: 0 · 0 · 0	Stop
HTTP server port	Emergency broadcasting function
reset	EV message to zone after emergency paging
	Continue
Time settings       Year     Month     Day     Hour     Minute     Second       2009     1     20     15     32     58       Change	

Communications begin. The following screen is displayed during communications.

🛐 SX-2000 Management tool 🛛 🛛 🕅	
Communicating.	
Please wait for a moment.	
Cancel	
	J

Pressing the [Cancel] button during communications displays the following screen.

SX-2000	Management tool 🛛
<b>i</b>	Detecting was canceled.
I	ОК

The screen for MAC address selection is displayed after communication is completed.

SX-2000 Management Tool	×
Several SX-2000SM were detected. Please select the unit by MAC address.	
MAC Address 00-05-F9-01-19-19	

**Step 3.** Select the MAC address of the SX-2000SM to be detected, then press the [OK] button. Refer to the MAC address for the LAN shown on the SX-2000SM's rear panel.

SX-2000 Manag	ement Tool	×
Severa Please	I SX-2000SM were detected. select the unit by MAC address.	
MAC Address	00-05-F9-01-19-19 00-05-F9-01-19-19 00-05-F9-01-19-2E OK	

#### The detected SX-2000SM's network settings are displayed.

#### Note

If the same IP address is duplicated among the SX-2000SMs connected to the switching hub, correct communications may not be established between the SX-2000SM and the PC (p. 155).

Be sure to confirm the IP addresses of all connected SX-2000SMs. If an address is found to be duplicated, change the network settings following Step 3. (Refer to p. 38 "Changing the SX-2000SM's Network Settings.")

Make communication connections only after assuring that different IP addresses are set for all SX-2000SMs.
# 7.1.4. When no SX-2000SM's network settings are detected

When the SX-2000SM's network settings were not detected, the following screen is displayed.

SX-2000	Management tool
1	SX-2000SM couldn't be detected. Please check.
	Connection of LAN cable. Power of HUB. DC Power, Connection port, firmware version of SX-2000SM. Network settings.
	ОК

If this display appears, the following causes can be considered.

Connection of LAN cable	LAN cables not connected.		
	Not straight cable but cross cable is connected.		
	STP Category 5 Standard straight cable with RJ45 connectors is not used.		
Power of HUB	Switching hub is not powered.		
	The distance between the SX-2000SM and the switching hub is more than 100 m.		
DC power of SX-2000SM	Power is not supplied to the SX-2000SM.		
Connection port of SX-2000SM	Cable is not connected to the SX-2000SM's LAN connector.		
Firmware version of SX-2000SM	The SX-2000SM firmware is earlier than Version 3.00. Since its latest version is made available on the TOA product download site (http://toa-products.com/), please download it for use.		
Network settings	The IP address, subnet mask, default gateway or HTTP server port of the SX-2000SM or PC is not correctly set.		

# 7.2. Changing the SX-2000SM's Network Settings

The IP address, subnet mask, default gateway and HTTP server port settings can be changed after detecting the SX-2000SM's network settings.

Step 1. Change the network setting values after detecting the SX-2000SM's network settings.

### Note

For network setting detection, refer to p. 31 "Detecting the SX-2000SM's Network Settings."

X-2000 Management too	l(Superuser)	
. <u>V</u> iew <u>C</u> ommunication <u>H</u>	elp	
Basic settings	Surveil- lance settings	Event settings Utility
asic settings		
Language 💿 English	O Japanese O Other	
System name SX-2000		
Network settings		Common settings
		AI/AO display settings
IP address:	192 · 168 · 14 · 2	switch off illumination after 5 minutes 👻
		Surveillance function
Subnet mask:	255 · 255 · 255 · 0	Used
<b>D A b</b> - c		General broadcast (AC-mains failure status)
Default gateway:	0 · 0 · 0 · 0	Stop
		Emergency broadcasting function
TIMES		
HTTP server port:	80 53	stem Used
HTTP server port:	80	set Used V EV message to zone after emergency paging

The [Change] button can be used after the values have been changed.

Step 2. Click the [Change] button.

SX-2000 Management to	ol(Superuser)	
file <u>V</u> iew <u>C</u> ommunication	Help	
Basic settings	Surveil- lance settings	Event settings Utility
Basic settings		
Language 💿 English	O Japanese O Other	
System name SX-2000		
Network settings		Common settings
IP address:	10 · 1 · 42 · 1	AI/AO display settings steet
		Surveillance function
Subnet mask:	255 · 255 · 255 · 0	Used
Default externary		General broadcast (AC-mains failure status)
L'elaun galeway.	$\mathbf{U}$ · $\mathbf{U}$ · $\mathbf{U}$ · $\mathbf{U}$	Stop
HTTP server port:	80 53	tem Used V
		EV message to zone after emergency paging
		Cardina

Changes in network settings are reflected in the SX-2000SM.

🔀 SX-2000 Management tool(Sup	eruser)			
<u>File View Communication H</u> elp				
Basic settings System settings System	rveil- nce tings	Event settings	Utility	
<u>Basic settings</u>				
Language 💿 English	O Japanese O Other			
System name SX-2000				
Network settings			Common settings	
IP address:	10 · 1 · 42 · 1	Detect	ADAO display settings Switch off illumination after 5 minutes V	
Subnet mask:	255 · 255 · 255 · 0	Course	Survemance function	
Default gateway:	0 · 0 · 0 · 0	Change	General broadcast (AC-manus statuus) Stop	
		Suntan	Emergency broadcasting function	
n I I P server pon:	80	reset	Usea	
			L v message to zone after emergency paging Continue	
Time settings				
Year         Month         Day           2009         1         20	Hour Minute Second	Read		

# 7.3. Resetting the System

The SX-2000 system can be reset through remote operation.

Step 1. Click the [System reset] button after detecting the SX-2000SM's network settings.

#### Note

For network setting detection, refer to p. 31 "Detecting the SX-2000SM's Network Settings."

🐼 SX-2000 Management tool(Superuser)	
<u>File V</u> iew <u>Communication</u> <u>H</u> elp	
Basic settings       System settings       Surreil-lance settings       Priority settings       Pattern settings         Surreil-lance settings       Settings       Settings       Event settings	Uitility
<u>Basic settings</u>	
Language 💿 English 💿 Japanese 💿 Other System name SX-2000	
Network settings	Common settings
IP address: 10 · 1 · 42 · 1 Detect	AI/AO display settings Switch off illumination after 5 minutes
	Surveillance function
Subnet mask: 255 · 255 · 0	Used 💙
Change	General broadcast (AC-mains failure status)
Default gateway: 0 · 0 · 0 · 0	Stop 💌
	Emergency broadcasting function
HTTP server port: 80 System	Used 🗸
reset	EV message to zone after emergency paging
	Continue
Time settings Year Month Day Hour Minute Second 2009 1 20 15 32 58 Change	

The following screen is displayed.

SX-2000	Management tool
2	Online system reset will be executed. The current broadcast will be stopped and the system be set into the initial status. Is it OK?
	Yes No

Step 2. Click the [Yes] button. System reset begins. The following screen is displayed.



Step 3. Click the [OK] button to close the dialog.

# [Checking to confirm if the system has been reset]

If the system has been reset, the fluorescent display on the front panel of the SX-2000AI, SX-2000AO and SX-2100AO goes off and then switches back on, causing the current broadcast to pause. The Standby indicator remains lit while the system is being reset and goes off after reset is completed.

# [When the system cannot be reset]

Check the following items:

# 1) The SX-2000SM's Standby indicator remains lit.

The internal circuitry of the SX-2000SM in use is not compatible with the system reset, disabling resets initiated by the setup software. Press the SX-2000SM's [Reset] key to reset the system. (For details, refer to the separate Installation Manual.)

# 2) Analog link cables are not connected.

To reset the entire system, connect all SX-2000SM, SX-2000AI, SX-2100AI and SX-2000AO units within the system in advance using their analog link connectors. Note that the unit not connected through analog link connectors is not reset. (For details, refer to the separate Installation Manual, "Analog Link Terminal Connections.")

# 3) The SX-2000SM's DIP switch is set to "write protect."

Set the DIP switch to the "System Reset ON" position.

(For details, refer to the separate Installation Manual, "System Reset enable/disable Settings (DIP Switch 3 Operation).")

After changing the DIP switch setting, press the [System reset] button again.

# 7.4. SX-2000SM Time Settings

Using the SX-2000 software, the SX-2000SM's current time setting can be confirmed online and changed.

Step 1. Establish communications between the SX-2000SM and the PC installed with the SX-2000 software. For the procedure for establishing communications, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."

The "Connection" indication is displayed in the lower right corner of the screen after the connection is completed.

Step 2. Click the [Read] button to display the time currently set for the SX-2000SM.

Basic Surveiling     Surveiling      Basic   Surveiling      Surveiling   Priority   Priority   Priority   Priority   Priority   Priority   Priority   Priority   Priority   Priority Prin	SX-2000 Management tool(Superuser)	
Basic Survey   Survey <td< th=""><th><u>File View Communication H</u>elp</th><th></th></td<>	<u>File View Communication H</u> elp	
Basic settings         Language          • English         • Japanese         • Other         System name         SX-2000          IP address:          192         168         14         1         Detect         Sohnet mask:         255         255         255	Basic settings     System settings     Surveil- lance settings     Priority settings     Pattern settings     Event settings       Utility	
Lagarge       System rans:     Solutions:     122.068     122.068     122.05     123.025     Subset mask:     225.255.255.0   Change   Default gateway:   0.0.0.0.0   HTTP server port:   80     System     System     The setting:   200   2   17   15   49   200     2     New     Read   200     2     New     Read   200     2     New     Read   200     2     New     Read     Read     Read     Read     Read     Read     Read     Read        Read </td <td>Basic settings</td> <td></td>	Basic settings	
System name SX-2000     Network settings     IP address:     192     193     192	Language 💿 English 🔘 Japanese 🔘 Other	
Network settings   IP address:   192.168.14.1   Subnet mask:   255.255.255.0   Change   Default gateway:   0.0.0.0   (Change)   HTTP server port:   80   System   Used   Time settings   Year   Month   Day   Hour   Minute   Second   Read   Change            System System State of the settings Time settings Year Month Day Hour Minute Second Change Read Change Notice of the settings Year Month Day Hour Minute Second Change Ninute Second Read Change Ninute Second Read Change Ninute Second Read Change Ninute Second Read Continue Vertice of the settings Second Read Continue Vertice of the settings Second Read Change Ninute Second Read Change Ninute Second Read Second	System name SX-2000	
IP address: 192 · 168 · 14 · 1   Subnet mask: 255 · 255 · 255 · 0   Default gateway: 0 · 0 · 0 · 0   MTTP server port: 80   System reset   Time settings   Year Month   Day Hour   Minute Second   Charge   Charge   Charge	Network settings	
Subnet mask: 255 · 255 · 0   Default gateway: 0 · 0 · 0   MTTP server port: 80   System Continue   reset     Time settings   Year Month   Day Hour   Minute   Second   Change     Surveillance function   Used   Used   Continue   Continue     Time settings   Year   Month   Day   Hour   Minute   Second   Change     Surveillance function   Used   Used     Surveillance function   Used     Surveillance function   Used     Surveillance function   Used     Continue     Continue     Surveillance function   Used     Surveillance function   Used     Continue     Continue     Continue     Continue     Surveillance function     Used           Continue	IP address: 192 · 168 · 14 · 1 Detect AI/AO display settings Switch off illumination after 5 minutes	~
Subnet mask: 255 · 235 · 235 · 0   Default gateway: 0 · 0 · 0 · 0   HTTP server port: 80   System reset   80     System reset     Used     Continue     Continue     Continue     Vear   Month Day   Hour   Minute   Second   Change   Change     Continue     Continue     Vear   Month   Day   Hour   Minute   Second   Change     Change     Continue     Vear     Month   Day   Hour   Minute   Second   Change     Change     Continue     Vear   Month   Day   Hour   Minute   Second   Change     Change     Change     Continue     Vear   Month   Day   17   15   49   58   Change     Change     Continue	Surveillance function	
Default gateway: 0 0 0   HTTP server port: 80 System   Nonth Day Hour Minute   Second Read   2009 2 17   15 49   58 Change	Subnet mask: 255 · 255 · 0	×
HTTP server port:       80         System       used         Time settings       Continue         Year       Month       Day         Hour       Minute       Second         Change       Change	Default gateway: 0 · 0 · 0	*
HTTP server port:     80     System reset       Image: System reset     Used       Time settings       Year     Month       2009     2       17     15       49     58       Change	Emergency broadcasting function	
Time settings     Read       2009     2       17     15       49     58       Change	HTTP server port: 00 Used Used	×
Year     Month     Day     Hour     Minute     Second       2009     2     17     15     49     58       Change	L'y message to zone after emergency paging Continue	*
	Time settings         Year       Month       Day       Hour       Minute       Second         2009       2       17       15       49       58         Change	

Step 3. When changing the date and time, enter new values in the boxes to be changed, then click the [Change] button.

The changed time is set to the SX-2000SM.

🌆 SX-2000 Management tool(Suj	peruser)			
<u>File V</u> iew <u>C</u> ommunication <u>H</u> elp				
Basic settings System settings Sub- settings	rveil- ince ttings Priority settings Pattern settings	Event settings	Utility	
Basic settings				
Language 💿 English	🔿 Japanese 🔿 Other			
System name SX-2000				
Network settings			Common settings	
			AI/AO display settings	
IP address:	192 168 14 1	Detect	Switch off illumination after 5 minutes 💌	
			Surveillance function	
Subnet mask:	255 · 255 · 255 · 0		Used 💙	
		Change	General broadcast (AC-mains failure status)	
Default gateway:	0 · 0 · 0 · 0		Continue 💌	
117772		Senten	Emergency broadcasting function	
n I I P server port:	80	reset	Usea	
			EV message to zone after emergency paging	
Time settings		]		
Year Month Day 2009 2 17	Hour Minute Second	Read		
				Connection
				Connection

# 8. SYSTEM SETTINGS

Pressing the [System settings] button displays the screen below.



### Note

The system configuration data can be acquired online if the equipment has already been installed. (Refer to p. 161 "Acquiring System Configuration Data Online.")

# 8.1. SX-2000SM

Clicking on the [System manager] icon in the system settings screen displays the control input/output and EV message settings screen for the SX-2000SM.

	Image: Construction of the second	
SX−2000 Management tool(Superuser)		
File     View     Communication     Help       Basic     System     Surveillance       settings     settings	Priority ettings	(3) Back
System manager		
Control input/output         Name           1         SM-CIN1           2         SM-CIN2           3         SM-CIN3           4         SM-CIN4           5         SM-CIN5           6         SM-CIN6           7         SM-CIN7           8         SM-CIN8	Control output          Name         1       SM-COUT1         2       SM-COUT2         3       SM-COUT3         4       SM-COUT4         5       SM-COUT5         6       SM-COUT6         7       SM-COUT7         8       SM-COUT8	
EV message (2)		
Sound source file	Name Type	Playback method Mixing setting
1   Load     2   Load		
3 Load		<u> </u>
4 Load		
5    Load		

# (1) Control input/output settings

Enter each name of the control inputs and outputs.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, SM-CIN1
	represents the SX-2000SM's Control input No. 1, and SM-COUT1 represents the
	SX-2000SM's Control output No. 1.)

# (2) EV message settings

Register and set the audio files. For details, refer to pages 46 - 49.

# (3) Back button

Returns to the previous screen.

## 8.1.1. Registering sound sources

Only monaural sound sources of PCM 48 kHz in Wav format can be used for the EV messages. Create the sound source data separately and register them using the steps below.

Step 1. Click the [Load] button to select the audio file to be used.

	Sound source file	•	Name	Type	Playback method	Mix
1	Load					
2	Load					
3	Load					

"Choose file" dialog is displayed.

Choose file		? 🗙
Look jn:	: 📴 Desktop 🕑 😰 📴	
My Recent Documents Desktop My Documents	My Computer My Network Places	
	Fle name	Open
My Network	Files of type: Wave files (*.WAV)	Cancel

**Step 2.** Designate the folder into which the sound sources have been saved. Then designate the desired audio file, and click the [Open] button.

Choose file					? 🔀
Look jn:	🚞 Sound source	; file	<u> </u>	) 🏚 📂 🛄	•
My Recent Documents	sign0001.wav sign0002.wav sign0003.wav sign0004.wav				
Desktop					
My Documents					
My Computer					
	File <u>n</u> ame:	sign0001.wav		~	<u>O</u> pen
My Network	Files of type:	Wave files (*.WAV)		~	Cancel

This starts reading the audio file. The screen shown below is displayed during reading.



When the registration is finished, the EV message screen shown below is displayed.

	Sound source file		Name	Type	Playback method	Mixing setting				
1	Load Play D	Delete	sign0001	Not used 💉						
2	Load									
3	Load									

# 8.1.2. Listening the sound sources

Clicking the [Play] button for the registered sound source plays back the sound source. The operation buttons above the table become active during playback.



# Note

Button display at the top of screen may differ depending on the Windows Media Player version installed in your PC.

## 8.1.3. Deleting the sound sources

Click the [Delete] button of the registered sound source.

		Sound source file		Name	Туре	Playback method	Mixing setting			
1	Load	Play	Delete	sign0001	Not used 💌					
2	Load									
3	Load									
		•	•	•						

	Sound source file	Name	Туре	Playback method	Mixing setting					
1	Load									
2	Load									
3	Load									

#### 8.1.4. Renaming the sound sources

Change the name in the name field of the registered sound source. The file name of the registered sound source is assigned by default.

Available Settings Up to 32 alphanumeric characters. (default: File name of the registered sound source)

Name is changed to "Alert Message 1" in this example.

		Sound source file	1	Name		Туре	Playback method	Mixing setting			
1	Load	Play	Delete	Alert Messagel		Not used 💊					
2	Load										
3	Load										

# 8.1.5. Setting the sound source types

Click the "Type" box to select the sound source type.

The "Alert" and "Evacuation" messages are used in emergency situation, while the "Reset" message is used to notify that the emergency situation is over.

The "General" EV message can be selected as the sound source in the General Broadcast Pattern Settings. (refer to p. 79)

Available Settings	Not used (default), Alert, Evacuation, Reset (All clear), General
--------------------	---

	Sound source file	Name	Туре	Playback method	Mixing setting					
1	Load Play Delete	Alert Message1	Not used 💊							
2	Load		Not used Alert							
3	Load		Reset (All clear)							
4	Load									

## 8.1.6. Playback method settings

Set the number of times that the EV message is repeated. The number of times can be selected when "Type" is set to "General."

|--|

	Sound	d source file		Name	Type		Playback method	Mixing	setting		
1	Load	Play	Delete	sign0001	General	-	Once 💌	MIXII	NG 🔽		
2	Load						Endless Once				
3	Load										

# 8.1.7. Mixing broadcast settings

Set whether or not to mix BGM output during EV message broadcasts. The mixing status can be selected when "Type" is set to "General."

Available Settings	MIXING (default), BGM CUT

When "MIXING" is selected, the mixing setting ("MIXING" or "REDUCTION") for the SX-2000AI or SX-2100AI takes effect for BGM play in all zones where the EV message is broadcast. (Refer to p. 53, "SX-2000AI and SX-2100AI  $\rightarrow$  Audio input details settings  $\rightarrow$  Module detail settings.")

Selecting "BGM CUT" cuts off BGM play in all zones where the EV message is broadcast, regardless of the mixing settings of the SX-2000AI or SX-2100AI.

		Sound source file		Name	Type	Playback method	Mixing setting				
1	Load	Play	Delete	sign0001	General 😽	Once 💌	MIXING 💌				
2	Load						MIXING BGM CUT				
3	Load										

# 8.2. SX-2000AI and SX-2100AI

## 8.2.1. Audio input settings

Set the number of SX-2000AI and SX-2100AI units, and the model numbers of built-in modules and connected remote microphones.



## (1) Number of audio input units

Select the number of SX-2000AI and SX-2100AI units being used.

Available Settings	1 – 8 (default: 1)
--------------------	--------------------

# (2) Module

Drag and drop the icon of module to use from the Module box onto the SX-2000AI's or SX-2100AI's slot. To delete the set module, right-click on its icon and select "Delete" from the pop-up menu.

Available Settings None (default), SX-200RM, D-921F, D-921E, D-922F, D-922E, D-936R

#### (3) Remote microphone

This setting is valid when the SX-200RM module has been set. Drag and drop the icon of remote microphone to use from the RM box onto the SX-200RM. To delete the set remote microphone, right-click on its icon and select "Delete" from the pop-up menu.

Available Settings	None (default), RM-200SA, RM-200SF, RM-200S
--------------------	---

# (4) Input channel name

Enter each name of the input channels.

Available Settings Up to 32 alphanumeric characters. (Default name, for example, Al1-IN1 represents the SX-2000Al's or SX-2100Al's Input channel No. 1.)

# 8.2.2. Audio input detail settings

Clicking on the [SX-2000AI] or [SX-2100AI] icon in the settings screen displays the screen for model number selection, module detail settings, key name settings, and control input/output name settings (SX-2100AI only).



#### From the previous page



# (1) Type

Select the model number of the Audio input unit.

Available Settings SX-2000AI, SX-2100AI (default)

### (2) Unit number

Click on the box, or press the right arrow button (increment) or left arrow button (decrement) to select the unit ID number.

Available Settings	Numerals ranging from 1 to the number of the audio input units set on the
	previous page. (default: 1)

# (3) Module detail settings

### • Type

Select the type of broadcast.

This selection becomes available when "Module" (p. 50) is set to the model number other than "SX-200RM."

When "Module" is set to the SX-200RM, the type of remote microphone connected to the SX-200RM is displayed.

These types differ depending on the remote microphone models as follows: "General" (fixed) for RM-200S, "Emergency" (fixed) for RM-200SF, and the type determined in the System Settings (p. 59) for RM-200SA.

Available Settings	General (default) BGM Emergency/General Emergency	
/ Wanabio Oottingo	achoral (achadity, Bann, Energeney, achoral, Energeney	

# · Volume (dB)

Select the sound volume levels for the audio input sources.

Available Settings	0 (default), -1 to -69, -infinity (in 1-dB steps)	
--------------------	---	--

### Mixing Setting

This function is used for mixing settings for BGM and General broadcasts. Mixing status can be selected when "Type" is set to "General" or "BGM."

(1) When "Type" is set to "General"

Available Settings | MIXING (default), BGM CUT

"MIXING": Mixes General and BGM broadcasts.

"BGM CUT": Cuts off BGM play in all General broadcast zones, regardless of the BGM side settings.

(2) When "Type" is set to "BGM"

Available Settings REDUCTION (default), MIXING

Set mixing status when the General broadcast MIXING setting is set to MIXING.

"REDUCTION": BGM play in general broadcast zones fades out to the preprogrammed attenuation and time, and both the general broadcast and BGM output are mixed.

"MIXING": General broadcast and BGM output are mixed. The BGM volume does not vary during general broadcast.

Note: When "Type" is set to "Emergency/General," BGM play is automatically cut off.

[Mixing setting combinations]	Start of broadcast End
(1) General-purpose broadcast (BGM CUT)	
BGM broadcast (REDUCTION or MIXING)	CUT OUT CUT IN
	Start of broadcast End
② General-purpose broadcast (MIXING) BGM broadcast (MIXING)	General + BGM MIXING
③ General-purpose broadcast (MIXING)	Start of broadcast End
BGM broadcast (REDUCTION)	Attenuation       Fade-out time   Fade-in time

# Fade out (sec)

This selection becomes available when "Mixing setting" is set to "REDUCTION."

Available Settings	0-6 (default: 1), in 1-sec steps
--------------------	----------------------------------

## • Fade in (sec)

This selection becomes available when "Mixing setting" is set to "REDUCTION."

Available Settings	0 – 6 (default: 4), in 1-sec steps
--------------------	------------------------------------

### Attenuation (dB)

This selection becomes available when "Mixing setting" is set to "REDUCTION."

Available Settings	-1 to - 40 (default: - 40) (in 1-dB steps)
--------------------	--

### • PAD

Select the PAD (input sensitivity). This setting is available only when "Module" (p. 50) is set to "D-921F" or "D-921E."

Available Settings	LINE +4 dB (default) LINE –10 dB MIC –36 dB MIC –50 dB
/ Wullubio Oottiligo	

### Phantom power

Select whether or not to use the phantom power supply. This setting is available when "Module" (p. 50) is set to "D-921F" or "D-921E," and "PAD (input sensitivity)" is set to either "MIC –36 dB" or "MIC –50 dB."

Available Settings OFF (don't use phantom power supply, default), ON (use phantom power supply)

### (4) Key name

Enter each name of the function keys and channel keys on the SX-2000AI's and SX-2100AI's front panel.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, Al1-FKEY1
	represents the SX-2000AI's or SX-2100AI's Function key No. 1, and AI1-CHKEY1
	represents the SX-2000AI's or SX-2100AI's Channel key No. 1.)

#### (5) Control input/output (SX-2100Al only)

Enter each name of the control inputs and control outputs of the SX-2100AI. This selection becomes available when "Type" (p. 52) is set to "SX-2100AI."

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, Al1-CIN1
	represents the SX-2100AI's Control Input No. 1, and AI1-COUT1 represents the
	SX-2100AI's Control output No 1.)

#### (6) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other SX-2000AI or SX-2100AI selected by Unit number setting item (2).

# (7) Back button

Returns to the previous screen.

# 8.3. RM-200SF

Make basic configurations for the RM-200SF Fireman's Microphone.

Clicking on the [RM-200SF] icon in the system settings screen displays the detail settings screen.



# (1) Name

Click on the box, or press the right or left arrow button to select the target RM-200SF. Default name, for example, Al1-RM2 represents the RM-200SF of Unit No. 2 connected to the SX-2000AI or SX-2100AI of Unit No. 1.

# (2) Function settings

# • Name

Enter a name of the RM-200SF.

Available Settings	Up to 32 alphanumeric characters. (Default name is the same as that in the
	Name (1) on the previous page.)

# • Туре

The type of broadcast is fixed to "Emergency," and cannot be changed.

# • PTT or Lock

The microphone's talk key operation method is fixed to "PTT\*," and cannot be changed.

\* PTT: Enables microphone announcements to be made while the Talk key is being pressed.

# Note

The setting items of "Time out," "Start chime," "End time," and "Chime volume" cannot be set.

# • Wait time (sec)

Set the time required to start the microphone announcement after the RM-200SF's talk key has been pressed. Select the time according to the start-up time of connected power amplifiers or line selection relays.

Available Settings	0 (default), 0.5, 1.0, 1.5, 2.0, 3.0, 4.0
--------------------	---

# • RM-210

Select the number of RM-210 units being used.

Available Settings	0 (default), 1 – 5
--------------------	--------------------

# (3) Key names

Enter each name of the Emergency key and function keys on the RM-200SF's top panel.



Available Settings Up to 32 alphanumeric characters. (default: EMGKEY, SYSKEY 1 – 3)

# (4) RM-210 selection

This setting is valid when the "RM-210" has been set to 1 to 5 in the Function settings (2). Click on the box, or press the right or left arrow button to select the target RM-210.

# (5) Function key names

Enter each name of the function keys on the RM-210's top panel.



# (6) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other RM-200SF selected by Name (1).

# (7) Back button

Returns to the previous screen.

# 8.4. RM-200S, RM-200SA

Make basic configurations for the RM-200S and RM-200SA Remote Microphones.

Clicking on the [RM-200S] or [RM-200SA] in the system setting screen displays the detail settings screen.



# (1) Name

Click on the box, or press the right or left arrow button to select the target RM-200S or RM-200SA. Default name, for example, Al1-RM1 represents the RM-200S or RM-200SA of Unit No. 1 connected to the SX-2000AI or SX-2100AI of Unit No. 1.

# (2) Function settings

# • Name

Enter a name of the RM-200S or RM-200SA.

Available Settings	Up to 32 alphanumeric characters. (Default name is the same as that in the	e
	Name (1) on the previous page.	

# • Type

Select the type of broadcast.

Available Settings	General (default), Emergency/General
--------------------	--------------------------------------

Note: The type for the RM-200S is fixed to "General."

# • PTT or Lock

Select the RM-200S's or RM-200SA's "Talk key" operation method.

Available Settings	PTT (	default)	, Lock
--------------------	-------	----------	--------

# [PTT and Lock]

Two different methods are available for Talk key operation: Press-to-Talk (PTT) and Lock modes. PTT: Enables microphone announcements to be made while the Talk key is being pressed.

Lock: Enables microphone announcements by pressing the Talk key once and terminates by pressing it again.

# • Time out (min)

The time-out period can be set when the "Talk" key operation method has been set to "Lock" mode. Select an appropriate time-out period after which Remote Microphone announcements are automatically terminated if the user fails to turn off the microphone power.

Available Settings	Continuous (default), 1 – 20 (minutes)
--------------------	--

# Start chime

Select the type of chime tone to be sounded before Remote Microphone announcements are made.

Available Settings	None (default), 1 (Chime 1), 2 (Chime 2), 3 (Chime 3), 4 (Chime 4)	
	Tip: The system chime is set to:	
	1 (ascending 4-note tone), 2 (descending 4-note tone), 3 (2-tone chime),	
	4 (gong)	

# • End chime

Select the type of chime tone to be sounded after Remote Microphone announcements have been completed.

Available Settings	None (default), 1 (Chime 1), 2 (Chime 2), 3 (Chime 3), 4 (Chime 4)	
	Tip: The system chime is set to:	
	1 (ascending 4-note tone), 2 (descending 4-note tone), 3 (2-tone chime),	
	4 (gong)	

# · Chime volume (dB)

Select the volume of the chime broadcast by the Remote Microphone.

Available Settings 0 to -20 dB (default: -6 dB), in 2-dB steps	
--	--

# • Wait time (sec)

Set the time required to start broadcast\* after the talk key on the remote microphone has been pressed. Select the time according to the start-up time of connected power amplifiers or line selection relays.

\* When "None" is selected in the Start chime setting, wait time means time duration before the microphone announcement starts, while when the value other than "None" is selected, it means the time duration before the chime sounds.

Available Settings	0 (default), 0.5, 1.0, 1.5, 2.0, 3.0, 4.0
e e e e e e e e e e e e e e e e e e e	- (,,,,,,

## • RM-210

Select the number of RM-210 Remote Microphone Expansion units.

Available Settings	0 (default), 1 – 4
--------------------	--------------------

# (3) Key names

Enter each name of the Covered key and function keys on the RM-200S's or RM-200SA's top panel.



Available Settings	Up to 32 alphanumeric characters. (default: EMGKEY for the Covered key,
	SYSKEY $1 - 3$ for the Function keys (on the left), and KEY $1 - 10$ for the Function keys (on the right))

# (4) RM-210 selection

This setting is valid when the "RM-210" has been set to 1 to 4 in the Function settings (2). Click on the box, or press the right or left arrow button to select the target RM-210.

# (5) Function key names

Enter each name of the function keys on the RM-210's top panel.



Available Settings Up to 32 alphanumeric characters. (default: KEY 11 – 50)

## (6) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other RM-200S or RM-200SA selected by Name (1).

# (7) Back button

Returns to the previous screen.

# 8.5. SX-2000AO and SX-2100AO

# 8.5.1. Audio output settings

Set the number of SX-2000AO or SX-2100AO units, and whether the SX-2000CI and/or SX-2000CO is connected.

SX-2000 Manageme	nt tool(Superuser)	
<u>File View Communicat</u>	ion <u>H</u> elp	
Basic settings	n 25 Surveil- lance settings Priority settings Pattern settings Event settings Utility	
RM box	System manager (1)	
	Audio input unit 1 💟 Audio cutput unit 1 💟	
RM-200SF	SX-2100AI (ID 1) SX-2100AO (ID 1) SX-2000CO (ID 2)	
<b>T</b>		
RM-200SA (ID	1) + EXT1 AOI-ZONE1	
RM-200SF (ID	2) + EXT1 All-IN2 AOI-ZONE2 Amplifier	
Module box	A01-ZONE3	
A		
SX-200RM	All-INS AND-CONES Amplifier	
	- Amplifier Amplifier	
D-921F	All-IN7 Anplifier	
	_ AO1-ZONES AND AO1-ZONES	
D-921E	(3)	
D-922F	(2) Unit box	×
D-922E	SX-2000CI	<u>`</u>
		.::

#### (1) Number of audio output units

Select the number of SX-2000AO and SX-2100AO units being used.

Available Settings	1 – 32 (default: 1)

# (2) Control input/output unit

One each of SX-2000Cl and SX-2000CO can be cascade-connected to the SX-2000AO or SX-2100AO. Drag and drop the icon of SX-2000Cl or SX-2000CO to use from the Unit box. To delete the set unit, right-click on its icon and select "Delete" from the pop-up menu.

Available Settings None (default), SX-2000CI, SX-2000CO

# (3) Output channel name

Enter each name of the output channels.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, AO1-ZONE1
	represents the SX-2000AO's Output channel No. 1 or SX-2100AO's Zone 1 output.)
	represents the SX-2000AO's Output channel No. 1 or SX-2100AO's Zone output.)

### 8.5.2. Audio output detail settings

Clicking on the [SX-2000AO] or [SX-2100AO] icon in the settings screen displays the screens for model number selection, output zone settings, key name settings, and control input/output name settings, standby amplifier settings (SX-2100AO only) and local input settings (SX-2100AO only).



# (1) Type

Select the model number of the Audio output unit to use.

Available Settings SX-2000AO, SX-2100AO (default)

# (2) Unit number

Click on the box, or press the right arrow button (increment) or left arrow button (decrement) to select the unit ID number.

Available Settings	Numerals ranging from 1 to the number of the audio output units set on the				
	previous page. (default: 1)				

# (3) Output zone settings

• "Name" is fixed, and cannot be edited.

# · Volume (dB)

Select the sound volume levels for the output zones.

|--|

# · BGM offset (dB)

Select the attenuated level of BGM sound during General-purpose broadcast.

Available Settings	0 (default), -1 to -69, -infinity (in 1-dB steps)
--------------------	---

# Note

Shown above is the setting range when the volume is set to the default value (0 dB). This BGM offset range varies with the set volume value. For example, when the volume is set to "-10 dB," the BGM offset range becomes from 0 to -60 dB.

# • Amplifier

When "Type" is set to SX-2000AO, select whether the amplifier is used or not. Similarly for SX-2100AO, select the amplifier model to use or "Not used."

Available Settings	SX-2000AO: Used (default), Not used
	SX-2100AO: VP-2064 (default), VP-2122, VP-2241, VP-2421, Not used

# SP line voltage (SX-2100AO only)

Select the speaker line voltage.

Available Settings	100 V (default), 70 V, 50 V
-	

#### Note

The speaker line voltage selected here must be matched with that of the VP-2064, VP-2122, VP-2241, or VP-2421 Amplifier.

If not matched, change the amplifier's speaker line voltage referring to the separate Installation Manual.

# Attenuator (SX-2100AO only)

Select whether or not to use attenuator(s).

Available Settings	Not used (default), Used
--------------------	--------------------------

When an emergency broadcast is set to "Used," the control output of the channel that is the same as the number of zone for which "Attenuator" is set to "Used" is activated in emergency broadcast state. Use this control output to bypass the external attenuators in the emergency state. See the separate Installation Manual, "Connecting the SX-2100AO to external attenuators."

When "Attenuator" or "EOL" is set to "Used," the unit configuration is displayed on the screen as shown below.

SX-2100AO (ID 1)			
•••• -•••• <b>(2006)</b> ••••• =	SX-2000CI (ID 1)	SX-2000CO (ID 2)	
	0MP		
A01-ZONE1		┟ <i>╝┼</i> ᅃ┼ <u>┉</u> ┝	Appears when "EOL" is set to
A01-70NF2	AMP.		"Used."
	AMP.	Å	
A01-ZONE3	0MP		
A01-ZONE4			 Appears when "Attenuator" is
401-70NE5	AMP.		set to "Lised "
	AMP.	Å	
A01-ZONE6	AMP		
A01-ZONE7	AME.		
0.01-70NE9	AMP.	6	
MUTZUNEO			

# EOL (SX-2100AO only)

Set this item when the EOL (End-of-Line) unit is used. This must be made valid in the speaker line failure detection settings.

Available Settings	Not used (default), Used	
--------------------	--------------------------	--

# Pilot tone (20 kHz) (SX-2000AO only)

Set whether or not a pilot tone is used.

## Note

"Surveillance function setting" of "Basic Settings" (p. 30) and "Amplifier" of "Output zone settings" (p. 63) must both be set to "Used."

|--|

# (4) Key name

Enter each name of the function keys and channel keys on the SX-2000AO's and SX-2100AO's front panel.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, AO1-FKEY1 represents the SX-2000AO's or SX-2100AO's Function key "F1." and AO1-
	CHKEY1 represents the SX-2000AO's or SX-2100AO's Channel key 1.)

# (5) Control input/output

Enter each name of the control inputs and control outputs of the SX-2000AO and SX-2100AO.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, AO1-CIN1
	represents the SX-2000AO's or SX-2100AO's Control input 1, and AO1-COUT1
	represents the SX-2000AO's or SX-2100AO's Control output No. 1.)

# (6) Standby amplifier (SX-2100AO only)

This function is available only when the "Surveillance function" is set to "Used" in the "Basic Settings."

# • Amplifier

Select the amplifier model number to use, or "Not used."

Available Settings VP-2064 (default), VP-2122, VP-2241, VP-2421, Not used
---

# SP line voltage

This setting is valid when the Amplifier model item above has not been set to "Not used." Select the speaker line voltage.

Available Settings	100 V (default), 70 V, 50 V
--------------------	-----------------------------

# (7) Local input (SX-2100AO only)

# • Name

Enter the names of the Local inputs 1 and 2.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, AO1-Local In 1
	represents the SX-2100AO's Local input 1.)

# · Volume (dB)

Select the sound volume levels for the output zones.

Available Settings	0 (default), -1 to -69, -infinity (in 1-dB steps)
--------------------	---

## (8) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other SX-2000AO or SX-2100AO selected by Unit number setting item (2).

### (9) Back button

Returns to the previous screen.

# 8.6. SX-2000CI

Make basic configurations for the SX-2000CI Control Input unit. Clicking on the [SX-2000CI] icon in the system settings screen displays the detail settings screen.

SX=2000 Manageme File View Communica	ent toulSupervaser?
Basic settings	mgr b Storedf: storedge b Priordy b Pattern b Stored storinge b Stored buildings b Stored storinger b Stored buildings b Stored stored buildings b Stored buildin
RM box	System manager
KBE-2005A	Audio angent unit 1 🗸 Audio contrast unit 1 🗸
RM-2005F	SX-20000 (ID 1) SX-20000 (ID 1)
RM-2005A (ID	
RM-2005F (ID	2)+ EXT1 1 401-20HE2
Aodule box 🛛 🛽	AOI-ZONE3
	A01-ZONE4 Amphilier
SX-200RM	AUI-ZOINES ANDADAT
<b>B</b> AB	All-ING ANI-ZONEG Ampäñar
D-921F	All-IN7 AOI-ZOME7 Amplifier
D-921E	
D-922F	- Unit box (2)
D-922E	
•	
	To the next need
	i o the next page

#### From the previous page

SX-20	<mark>00 Mana</mark> ew Comi	gement tool(Superuser) minication Help				
Basic		System settings	ity gs	attern ettings	Event settings Utility	(4) Back
<u>SX-200</u>	OCI		) 1-CI1	<b>~</b>	▲0-1 ID:1	Paste Copy
		Mamo	Г		Мате	(3)
(2)	1	A01-CI-1	-	17	AO1-CI-17	
	2	A01-CI-2	-	18	A01-CI-18	-
	3	A01-CI-3		19	AO1-CI-19	
	4	A01-CI-4		20	A01-CI-20	
	S	A01-CI-5		21	AO1-CI-21	
	6	AO1-CI-6		22	AO1-CI-22	
	7	AO1-CI-7		23	AO1-CI-23	
	8	AO1-CI-8		24	A01-CI-24	
	9	AO1-CI-9		25	A01-CI-25	
	10	A01-CI-10		26	A01-CI-26	
	11	AO1-CI-11		27	A01-CI-27	-
	12	A01-CI-12		28	A01-CI-28	4
	13	AO1-CI-13		29	A01-CI-29	-
	14	A01-CI-14	_	30	A01-CI-30	4
	15	A01-CI-15	_	31	A01-CI-31	-
	16	A01-CI-16		32	A01-CI-32	J

## (1) Name

Click on the box, or press the right or left arrow button to select the target SX-2000CI. Default name, for example, AO1-Cl1 represents the SX-2000Cl of Unit No. 1 connected to the SX-2000AO or SX-2100AO of Unit No.1.

#### (2) Control input

Enter each name of the control inputs of the SX-2000CI.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, AO1-CI-1
	represents the Control Input No. 1 of the SX-2000CI connected to the SX-2000AO
	or SX-2100AO of Unit No. 1.)

### (3) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other SX-2000Cl selected by Name (1).

#### (4) Back button

Returns to the previous screen.

# 8.7. SX-2000CO

Make basic configurations for the SX-2000CO Control Output unit.

Clicking on the [SX-2000CO] icon in the system settings screen displays the detail settings screen.





# (1) Name

Click on the box, or press the right or left arrow button to select the target SX-2000CO. Default name, for example, AO1-CO2 represents the SX-2000CO of Unit No. 2 connected to the SX-2000AO or SX-2100AO of Unit No. 1.

# (2) Control output

Enter each name of the control outputs of the SX-2000CO.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, AO1-CO-1
	represents the Control Output No. 1 of the SX-2000CO connected to the SX-
	2000AO or SX-2100AO of Unit No. 1.)

# (3) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other SX-2000CO selected by Name (1).

# (4) Back button

Returns to the previous screen.

# 9. SURVEILLANCE SETTINGS

The surveillance settings screen below is displayed by clicking the [Surveillance settings] button, which becomes active when the "Surveillance function" is set to "Used" in the Common Settings items of the "Basic Settings" (p. 29).

5X-2000 Management tool(Supe	ruser)				(	
le <u>V</u> iew <u>Communication</u> <u>H</u> elp						
Basic settings	eil- ce ngs Priority settings Pattern settings	Event settings	Utility			
urveillance settings						
terval settings						
1) Battery check interval						
Start time	None 💌					
Interval	Every 4 hours					
Amplitier/speaker surveillance interval Start time	(AC-mains faihire status) None					
Interval	Every hour 🗸 🗸					
reillance individual settings (3)						
SM DC POWER SX LINK	ANALOG LINK DS LINK		Control inp	ut		
		1 2	3 4 5	5 6 7 8		
AII DC POWER SX LINK	ANALOG LINK OUT 1 2	RI 3 4	M S 6 2	7 8		
	DC I INK					
DC POWER SX LINK	OUT 1 2	CI/CO LINK				
	Amplifier					
	5 6 7 8	STANDBY				
Loud:	speakerline 5 6 7 8					
		]				
AOI-CII			Controlinput			
	2 3 4 5	6 7	8 9 10	11 12 13	14 15 16	
17	18         19         20         21	22 23	24 25 26	27 28 29	30 31 32	
A01-CO2						

#### (1) Battery check interval

# Start time

Set the battery check start time.

The battery check is performed daily at the set time\*.

Note: Surveillance function cannot be performed when "None" is selected.

\* When the time set by the SX-2000SM has reached this set time. (Refer to p. 42 "SX-2000SM Time Settings.")

Available Settings	None (default), 00:00 – 23:00 (in 1-hour steps)	
--------------------	---	--

Interval

Available Settings Every 4 hours (default), Every 12 hours, Every 24 hours

#### (2) Amplifier/speaker surveillance interval (AC-mains failure status)

Set the start time\* and interval for the amplifiers' and speaker lines' fault detection.

Note: Surveillance function cannot be performed when "None" is selected.

\* When the time set by the SX-2000SM has reached this set time. (Refer to p. 42 "SX-2000SM Time Settings.")

# Start time

Available Settings	None (default), 00:00 – 23:00 (in 1-hour steps)

#### Interval

Available Settings	Every hour (default), Every 6 hours, Every 12 hours, Every 24 hours	
--------------------	---	--

#### (3) Surveillance individual settings

Set each surveillance function to ON or OFF. Mark the corresponding checkboxes to use this function. (Default: OFF) Clicking the [All] button sets all the surveillance items within the unit to ON or OFF.

The following statuses are monitored at each surveillance point on the screen. The unit whose surveillance points are selected checks to see;

DC POWER:	If the normal voltage is applied to both DC Power Input terminals.			
SX LINK:	If the SX link cable is connected correctly.			
ANALOG LINK:	If the analog link cables are connected correctly.			
DS LINK:	If the Emergency Power Supply units VX-2000DS are operating correctly.			
Control input:	If the control lines from the external devices are connected or shorted. Notes			
	<ul> <li>SX-2100AI's, SX-2000AO's, and SX-2100AO's control input failure cannot be detected.</li> </ul>			
	• When the surveillance function of the control inputs is set to "ON," the control inputs can receive no signal and remain in "break" (open) status if the control lines to the set control inputs are disconnected or shorted.			
ANALOG LINK OUT:	If the analog link cable is connected correctly.			
	Note Uncheck when the cable is not connected to the analog link output terminal.			
RM:	If the connected remote microphones is operating correctly, or the cable from the remote microphones is connected.			
CI/CO LINK:	If the SX-2000CI or SX-2000CO is connected correctly.			
Amplifier:	If the external amplifiers connected to the SX-2100AO's Amplifier Input terminals are operating correctly. Amplifier statuses to be checked include amplifier connection, fuse, and operating temperature. (Refer to p. 146.)			
Loudspeaker line:	If the speakers connected to the SX-2100AO's Speaker Connection terminals are operating correctly.			
	For the detailed description of Speaker Line Surveillance function, refer to the separate Installation Manual.			

For the correct connection at each surveillance point, refer to the separate Installation Manual, "Connections."

# **10. PRIORITY SETTINGS**

Pressing the [Priority settings] button displays the screen below. Set input sound source priority levels.

SX SX	Image ment tool(Superuser)       File					
s	Basic vettings	System settings	rveil- ance ttings	Event settings		
Pri	Priority settings (3) Sort display Priority control LIFO V (1)					
	Unit	Sound source	Name	Type	Priority	
		EV 1	sign0001	Evacuation	150 💌	
	SM	EV 2	sign0002	Alert	200 🔽	
	5141	EV 3	sign0003	Reset (All clear)	250 💌	
		EV 4	sign0004	General	300 💌	
	Unit	Sound source	Name	Type	Priority	$\langle 0 \rangle$
		RM 1	AII-IN1	General	300 💌	(2)
		RM 2	AII-IN2	Emergency	S0 💌	
		Input 3	AII-IN3	BGM	500 💌	
		Input 4	AII-IN4	BGM	500 💌	
	AI-1	Input 5	AI1-IN5	BGM	500 💌	
		Input 6	All-IN6	BGM	500 💌	
		Input 7	AII-IN7	BGM	500 💌	
		Input 8	AI1-IN8	BGM	500 💌	

# (1) Priority control

Select how to assign priority among multiple input sound sources all set to the same priority level.

# Note

The control type cannot be set differently for individual sound sources.

Available Settings	FIFO, LIFO (default)
--------------------	----------------------

# [When set to FIFO]

- Broadcast not possible to zones where a sound source with a higher priority is already broadcasting.
- Broadcast not possible to zones where a sound source with the same priority is already broadcasting.
- Broadcasts to zones where a sound source with a lower priority is already broadcasting will interrupt and override that lower priority broadcast.

The original broadcast will resume once the broadcast from the higher priority sound source has finished.

# [When set to LIFO]

- · Broadcast not possible to zones where a sound source with a higher priority is already broadcasting.
- Broadcasts to zones where a sound source with the same priority is already broadcasting will interrupt and override that broadcast.
- The original broadcast will resume once the broadcast from the higher priority sound source has finished. • Broadcasts to zones where a sound source with a lower priority is already broadcasting will interrupt and
- Broadcasts to zones where a sound source with a lower priority is already broadcasting will interrupt and override that lower priority broadcast.

The original broadcast will resume once the broadcast from the higher priority sound source has finished.

# (2) Priority

Select priority levels. The smaller the number, the higher the priority level.

The priority range that can be set varies depending on the types of the sound sources.

Туре	Priority	Default
Emergency	1 – 128	50
Evacuation	129 – 256	150
Alert	129 – 256	200
Reset (All clear)	129 – 256	250
General	257 – 512	300
BGM	257 – 512	500

- Emergency: Microphone announcement from the remote microphone of which type is "Emergency" or set to "Emergency/General."
- · Evacuation: EV message broadcast of which type is set to "Evacuation."
- Alert: EV message broadcast of which type is set to "Alert."
- Reset: EV message broadcast of which type is set to "Reset."
- General: General-purpose pattern broadcast from the sound source of which type is set to "General," and microphone announcement from the remote microphone of which type is set to "General."
- BGM: General-purpose pattern broadcast from the sound source of which type is set to "BGM."

#### Notes

- Here, set the priority level when the BGM sound source is assigned to the general-purpose pattern broadcast. Priority levels for the "General" and "BGM" to be set here work among general-purpose sound sources or among BGM sound sources, and do not work between general-purpose sound sources and BGM sound sources.
- General-purpose sound sources and BGM sound sources are mixed when the BGM sound source is assigned to the general-purpose pattern broadcast. Volume level of the BGM sound sources can be attenuated in the "Mixing Setting (p. 53)."
- The priority levels set for BGM sources take effect when the BGM sources are assigned to generalpurpose broadcast patterns. When the BGM sources are assigned to BGM patterns, their priority levels are made lowest in the system irrespective of their set priority levels.
# (3) Sorting display button

Sorts the displayed sound sources in order from high to low priority levels.

[Sorting display screen]

<i>S</i> <sub>X</sub> :	6X-200	) Management tool(Su	peruser)			
Fi	le <u>V</u> iew	<u>Communication</u> <u>H</u> elp				
	Basic settings	System settings	rveil- ance settings	Event settings		
<u>s</u>	ort disp	lay			Priority settings	(4)
	Unit	Sound source	Name	Туре	Priority	
	AI-1	RM 2	AI1-IN2	Emergency	50	
	SM	EV 1	sign0001	Evacuation	150	
	SM	EV 2	sign0002	Alert	200	
	SM	EV 3	sign0003	Reset (All clear)	250	
	SM	EV 4	sign0004	General	300	
	AI-1	RM 1	AI1-IN1	General	300	
	AI-1	Input 3	AI1-IN3	BGM	500	
	AI-1	Input 4	AII-IN4	BGM	500	
	AI-1	Input 5	AII-IN5	BGM	500	
	AI-1	Input 6	AII-IN6	BGM	500	
	AI-1	Input 7	AII-IN7	BGM	500	
	AI-1	Input 8	AI1-IN8	BGM	500	

# (4) Priority settings button

Returns to the Priority setting screen on p. 71.

# **11. PATTERN SETTINGS**

Pressing the [Pattern settings] button displays the screen below.

There are 7 types of patterns: Output zone patterns, BGM patterns, General broadcast patterns, Control output patterns, Emergency sequence patterns, Emergency broadcast patterns, and Failure output patterns.

Pattern settings for the Emergency sequence and Emergency broadcast can be selected only when the "Emergency broadcasting function" has been set to "Used" in the "Basic Settings" (p. 29).

Surveillance settings can be selected only when the "Surveillance function" has been set to "Used" in the "Basic Settings" (p. 29).

Sx sx-	X SX-2000 Management tool(Superuser)									
<u>F</u> ile	jle <u>View Communication H</u> elp									
B	Basic settings       Surveil-lance settings       Priority settings       Priority settings       Event settings         Utility       Villity									
	Output zone         BGM         General broadcast         Control output         Emergency sequence         Emergency broadcast         Failure output									
<u>Out</u>	Output zone pattern settings									
Nu Na	umber ame	Zone pattern l								
		Zonal	70002	70003	Zonel	70005	Zonek	70007	7ove8	
L L	AO1	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	AO1-ZONE6	A01-ZONE7	A01-ZONE8	

# [Selecting multiple cells]

Multiple cells for each unit or output zone can be selected (or made active) in the setting screens of output zone patterns, BGM patterns, control output patterns, and failure output patterns. This function helps when a system requires multiple units' settings.

The example below shows a method to select multiple output zone when 5 SX-2000AO or SX-2100AO units are used.

SX-2000	SX-2000 Management tool(Superuser)									
<u>F</u> ile <u>V</u> iew	<u>C</u> ommunication	<u>H</u> elp								
Basic settings	System settings	Surveil- lance settings	Priority settings	Pattern settings	vent ttings	ży				
Output	zone	BGM	General broad	General broadcast Control output Emergency sequence Emergency broadcast					Failure output	
Output zone pattern settings										
Number I I V Paste Copy										
Name	Zone pattern l									
	Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8		
A01	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	AO1-ZONE6	A01-ZONE7	A01-ZONE8		
AO2	A02-ZONE1	A02-ZONE2	A02-ZONE3	AO2-ZONE4	A02-ZONE5	AO2-ZONE6	AO2-ZONE7	A02-ZONE8		
AO3	A03-ZONE1	A03-ZONE2	A03-ZONE3	AO3-ZONE4	A03-ZONE5	AO3-ZONE6	AO3-ZONE7	AO3-ZONE8		
A04	A04-ZONE1	AO4-ZONE2	A04-ZONE3	AO4-ZONE4	A04-ZONES	AO4-ZONE6	AO4-ZONE7	A04-ZONE8		
AOS	AO5-ZONE1	AO5-ZONE2	AO5-ZONE3	AOS-ZONE4	AOS-ZONES	AOS-ZONE6	AOS-ZONE7	AOS-ZONE8		
									-	
									***	

#### Method to select columns of cells for each output zone number

To select a column of cells in Zone 1, move the mouse pointer onto the circled "Zone 1" cell.

•	Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8
A01	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	A01-ZONE6	A01-ZONE7	A01-ZONE8
<b>A</b> O2	A02-ZONE1	A02-ZONE2	A02-ZONE3	A02-ZONE4	A02-ZONES	A02-ZONE6	A02-ZONE7	A02-ZONE8
A03	A03-ZONE1	A03-ZONE2	AO3-ZONE3	AO3-ZONE4	A03-ZONES	AO3-ZONE6	A03-ZONE7	A03-ZONE8
A04	A04-ZONE1	A04-ZONE2	A04-ZONE3	A04-ZONE4	A04-ZONES	A04-ZONE6	A04-ZONE7	AO4-ZONE8
AOS	AOS-ZONE1	AOS-ZONE2	AOS-ZONE3	AOS-ZONE4	AOS-ZONES	AOS-ZONE6	AOS-ZONE7	AOS-ZONE8

Click it, and the cells of AO1 to AO5 in Zone 1 are all selected.

	Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8
A01	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	A01-ZONE6	A01-ZONE7	A01-ZONE8
AO2	A02-ZONE1	A02-ZONE2	A02-ZONE3	A02-ZONE4	A02-ZONE5	AO2-ZONE6	A02-ZONE7	A02-ZONE8
AO3	A03-ZONE1	AO3-ZONE2	AO3-ZONE3	AO3-ZONE4	A03-ZONES	AO3-ZONE6	A03-ZONE7	AO3-ZONE8
A04	A04-ZONE1	AO4-ZONE2	A04-ZONE3	A04-ZONE4	A04-ZONES	AO4-ZONE6	A04-ZONE7	AO4-ZONE8
AOS	AOS-ZONE1	AOS-ZONE2	AOS-ZONE3	AOS-ZONE4	AOS-ZONES	AOS-ZONE6	AOS-ZONE7	AOS-ZONE8

Note: Clicking the "Zone 1" cell again cancels this selection.

# Method to select rows of cells for each unit number

		Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8
<	A01	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	A01-ZONE6	A01-ZONE7	A01-ZONE8
	<b>A</b> O2	A02-ZONE1	A02-ZONE2	AO2-ZONE3	AO2-ZONE4	A02-ZONE5	A02-ZONE6	A02-ZONE7	A02-ZONE8
	AO3	A03-ZONE1	A03-ZONE2	AO3-ZONE3	AO3-ZONE4	A03-ZONE5	AO3-ZONE6	A03-ZONE7	A03-ZONE8
	A04	A04-ZONE1	A04-ZONE2	AO4-ZONE3	AO4-ZONE4	A04-ZONES	AO4-ZONE6	A04-ZONE7	A04-ZONE8
	AOS	AOS-ZONE1	AOS-ZONE2	AOS-ZONE3	AOS-ZONE4	AOS-ZONES	AOS-ZONE6	AOS-ZONE7	AOS-ZONE8

To select a row of cells in AO1, move the mouse pointer onto the circled "AO1" cell.

Click it, and the cells of Zone 1 to Zone 8 in AO1 are all selected.

	Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8
A01	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	A01-ZONE6	A01-ZONE7	AO1-ZONE8
AO2	A02-ZONE1	AO2-ZONE2	A02-ZONE3	AO2-ZONE4	A02-ZONE5	AO2-ZONE6	AO2-ZONE7	AO2-ZONE8
AO3	A03-ZONE1	A03-ZONE2	A03-ZONE3	AO3-ZONE4	A03-ZONE5	AO3-ZONE6	AO3-ZONE7	AO3-ZONE8
AO4	A04-ZONE1	AO4-ZONE2	A04-ZONE3	AO4-ZONE4	A04-ZONES	A04-ZONE6	AO4-ZONE7	A04-ZONE8
AOS	AOS-ZONE1	AOS-ZONE2	AOS-ZONE3	AOS-ZONE4	AOS-ZONES	AOS-ZONE6	AOS-ZONE7	AOS-ZONE8

**Note:** Clicking the "AO1" cell again cancels this selection.

#### Method to select all cells

Move the mouse pointer onto the circled upper left cell.

¢		Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8
	A01	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	A01-ZONE6	A01-ZONE7	A01-ZONE8
	A02	A02-ZONE1	A02-ZONE2	A02-ZONE3	A02-ZONE4	A02-ZONES	A02-ZONE6	A02-ZONE7	A02-ZONE8
	AO3	A03-ZONE1	A03-ZONE2	A03-ZONE3	AO3-ZONE4	A03-ZONES	A03-ZONE6	A03-ZONE7	AO3-ZONE8
	A04	A04-ZONE1	A04-ZONE2	A04-ZONE3	A04-ZONE4	A04-ZONES	A04-ZONE6	A04-ZONE7	AO4-ZONE8
	AOS	AOS-ZONE1	AO5-ZONE2	AO5-ZONE3	AO5-ZONE4	AOS-ZONES	AO5-ZONE6	AO5-ZONE7	AO5-ZONE8

Click it, and all the cells are selected.

	Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8
A01	A01-ZONE1	AO1-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	AO1-ZONE6	A01-ZONE7	A01-ZONE8
<b>A</b> O2	A02-ZONE1	AO2-ZONE2	A02-ZONE3	AO2-ZONE4	AO2-ZONE5	AO2-ZONE6	A02-ZONE7	A02-ZONE8
AO3	A03-ZONE1	AO3-ZONE2	AO3-ZONE3	AO3-ZONE4	AO3-ZONES	AO3-ZONE6	AO3-ZONE7	A03-ZONE8
A04	A04-ZONE1	AO4-ZONE2	AO4-ZONE3	AO4-ZONE4	AO4-ZONES	AO4-ZONE6	AO4-ZONE7	AO4-ZONE8
AOS	AOS-ZONE1	AO5-ZONE2	AO5-ZONE3	AO5-ZONE4	AOS-ZONES	AOS-ZONE6	AOS-ZONE7	AOS-ZONE8

Note: Clicking the upper left cell again cancels this selection.

# 11.1. Output Zone Pattern Settings

Clicking the [Output zone] button on the pattern settings screen allows output zone patterns to be set. By allocating set output zone patterns to various broadcast patterns, broadcasts (General-purpose broadcast, and Emergency broadcast) can be made to any desired zones.

Sx 5X-2000	🖫 SX-2000 Management tool(Superuser)									
<u>File V</u> iew	File Yiew Communication Help									
Basic settings	Basic settings       System settings       Surveillance settings       Priority settings       Pattern settings       Utility									
Output	Output zone         BGM         General broadcast         Control output         Emergency sequence         Emergency broadcast         Failure output									
<u>Output zo</u>	Output zone pattern settings (4)									
Number	1 💌	<b>(1)</b>		Paste	Сору					
Name •(3)	Zone pattern l			_ (2)						
	Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8		
A01	A01-ZONE1	A01-ZONE2	AO1-ZONE3	AO1-ZONE4	A01-ZONES	AO1-ZONE6	AO1-ZONE7	A01-ZONE8		

# (1) Number

Click on the box or press the arrow button to select the output zone pattern number.

Available Settings | 1 to 128 (default: 1)

# (2) Name

Enter the name of the output zone pattern.

Available Settings	Up to 32 alphanumeric characters. (default: Zone pattern 1 – 128)	
--------------------	---	--

# (3) Zone ON/OFF buttons

#### [When selected]

Click the buttons cor	responding to the zones to use.		Zonel
Tip: For quick select	ion of multiple cells, refer to p. 75 "Selecting multiple cells."	<b>A</b> O1	A01-ZONE1
Available Settings			

# (4) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the name preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other output zone pattern selected by Number (1).

# 11.2. BGM Pattern Settings

Clicking the [BGM] button on the pattern settings screen allows BGM patterns to be set.

SX-2000	SX-2000 Management tool(Superuser)									
<u>F</u> ile <u>V</u> iew	File <u>V</u> iew <u>Communication</u> <u>H</u> elp									
Basic settings	Basic settings       System settings       Surveillance settings       Priority settings       Pattern settings       Utility									
Output	zone	BGM	General broad	lcast Co	entrol output	Emergency sequen	Emergen	cy broadcast	Failure output	
BGM patte	ern settings				(5)	_				
Number	1 💌	<b>(1)</b>		Paste	Сору					
Name	BGM pattern l			<b>(2)</b>						
Input	N	one	<b>∽ (3)</b>							
(4) —			(-)							
	Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8		
AO1	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	AO1-ZONE6	AO1-ZONE7	A01-ZONE8		
									.::	

#### (1) Number

Click on the box or press the arrow button to select the BGM pattern number.

|--|

# (2) Name

Set the names of the BGM pattern.

Available Settings Up to 32 alphanumeric characters. (default: BGM pattern 1 –16)

# (3) Input

Select the Audio Input Unit's input channel name set in "System Settings" (p. 51). This can be selected when the broadcast "Type" (p. 53) is set to "BGM."

Available Settings	None (default), Set input channel name
--------------------	--

# (4) Zone ON/OFF buttons

Select the zones to use with the Input (3) above selected.

This allows the input name to be displayed in the box below the output zone name.

**Tip:** For quick selection of multiple cells, refer to p. 75 "Selecting multiple cells."

[When selected]

Zonel

to p. 75 "Selecting multiple

Available Settings Colored (selected), Colorless (not selected, default)

# (5) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the name preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other BGM pattern selected by Number (1).

# 11.3. General Broadcast Pattern Settings

Clicking the [General broadcast] button on the pattern settings screen allows General broadcast patterns to be set.

🙀 SX-2000 Management tool(Superuser)	👷 SX-2000 Management tool(Superuser)							
File View Communication Help								
Basic settings       System settings       Image: Surveillance settings       Priority settings       Pattern settings       Utility								
Output zone         BGM         General broadcast         Control output         Emergency sequence         Emergency broadcast	Failure output							
General broadcast pattern settings (6)								
Number I V (1)								
Name General pattern 1 (2)								
Input AII-IN3 General (3)								
Output 🔘 Individual zone 💿 Zone pattern								
None *Please edit it on the zone pattern setting display.								
-(5)	-							
Zonel Zone2 Zone3 Zone4 Zone5 Zone6 Zone7 Zone8								
AOI AOI-ZONEI AOI-ZONE2 AOI-ZONE3 AOI-ZONE4 AOI-ZONE5 AOI-ZONE6 AOI-ZONE7 AOI-ZONE8	J							

# (1) Number

Click on the box or press the arrow button to select the general broadcast pattern number.

Available Settings	1 to 128 (default: 1)	
--------------------	-----------------------	--

# (2 Name

Enter the name of the general broadcast pattern.

Available Settings Up to 32 alphanumeric characters. (default: General pattern 1 –128)

# (3) Input

Select the EV message set for the SX-2000SM in the "System Settings" (p. 46) or the input channel name set for the SX-2000AI or SX-2100AI in the "System Settings" (p. 51). This can be selected when the broadcast "Type" (p. 53) is set to "General" or "BGM."

Available Settings None (default), Set input channel name

# (4) Output

Select the General broadcast output zones.

The "Individual zone" or "Zone pattern" broadcast can be selected only when the input name has been set in (3) Input field.

Available Settings	Individual zone (default), Zone pattern
Selecting the "Zone	pattern" allows output zone patterns to be selected.

Available Settings	None (default), Set output zone pattern
--------------------	---

# (5) Zone ON/OFF buttons

This setting is valid when the "Individual zone" has been selected in (4) Output field.

[When selected]

If "Zone pattern" has been selected, the zone patterns set in the "Output Zone Pattern Settings" (p. 77) are displayed.

	Zonel
A01	A01-ZONE1

Available Settings	Colored (selected), Colorless (not selected, default)
--------------------	---

# (6) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the name preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other general broadcast pattern selected by Number (1).

# **11.4. Control Output Pattern Settings**

Clicking the [Control output] button on the pattern settings screen allows Control output patterns to be set.

SX SX-2000	Management tool(Super <u>C</u> ommunication <u>H</u> elp	user)						
Basic settings       System settings       Priority settings       Pattern settings       Event settings         Utility       Value settings       Value settings       Value settings       Value settings								
Output	Output zone         BGM         General broadcast         Control output         Emergency sequence         Emergency broadcast         Failure output							
<u>Control or</u> Number Name - <b>(3)</b>	itput pattern settings	)	Paste (2)	Copy (4)	]			
SM	SM-COUT1 SM-CC	DUT2 SM-COUT3	SM-COUT4	SM-COUTS	SM-COUT6	SM-COUT7	SM-COUT8	
AII	AII-COUTI AII-CO AII-COUT9 AII-CO	DUT2 AII-COUT3 DUT10 AII-COUT11	AI1-COUT4 AI1-COUT12	AI1-COUTS AI1-COUT13	AII-COUT6 AII-COUT14	AI1-COUT7 AI1-COUT15	AI1-COUT8 AI1-COUT16	
A01	A01-COUT1 A01-CO	OUT2 A01-COUT3	A01-COUT4	A01-COUTS	A01-COUT6	A01-COUT7	A01-COUT8	
A01-C02	A01-co-1         A01-c           A01-co-9         A01-c           A01-co-17         A01-c           A01-co-17         A01-c           A01-co-25         A01-c	CO-2         A01-CO-3           XO-10         A01-CO-11           XO-18         A01-CO-19           XO-26         A01-CO-27	A01-C0-4           A01-C0-12           A01-C0-20           A01-C0-28	A01-C0-5           A01-C0-13           A01-C0-21           A01-C0-29	A01-C0-6           A01-C0-14           A01-C0-22           A01-C0-30	A01-CO-7           A01-CO-15           A01-CO-23           A01-CO-31	A01-CO-8           A01-CO-16           A01-CO-24           A01-CO-32	
								<b></b>

# (1) Number

Click on the box or press the arrow button to select the control output pattern number.

fault: 1)	
-----------	--

# (2) Name

Enter the name of the control output pattern.

Available Settings Up to 32 alphanumeric characters. (default: Control output pattern 1 – 256)

# (3) Control output ON/OFF buttons

Control output One	[When sel	[When selected]		
Select the control our Tip	SM	SM-COUTI		
For quick selection cells."				
Available Settings	Colored (selected), Colorless (not selected, default)			

# (4) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the name preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other control output pattern selected by Number (1).

# 11.5. Emergency Sequence Settings

Clicking the [Emergency sequence] button on the pattern settings screen allows Emergency sequences to be set.

🚰 SX-2000 Management tool(Superuser)	
File View Communication Help	
Basic settings     System settings     Surveil-lance settings     Priority settings     Pattern settings     Utility	
Output zone         BGM         General broadcast         Controloutput         Emergency sequence         Emergency broadcast	Failure output
Emergency sequence settings (5) Number 1 (1) Paste Copy Name Emergency sequence 1 (2)	
Phase 1 Message 001: sign0001  Alert (3) Duration (min) 5 (4)	
Phase 2       Message     002: sign0002       Duration (min)     Endless	
Phase 3 Message None  Duration (min) Endless	

# (1) Number

Click on the box or press the arrow button to select the emergency sequence number.

Available Settings | 1 to 4 (default: 1)

# (2) Name

Enter the name of the emergency sequence.

Available Settings Up to 32 alphanumeric characters. (default: Emergency sequence 1 – 4)

#### (3) Message (Phase 1)

Select the EV Message registered in the SX-2000SM (p. 46) on the System Setting screen. The selectable EV message type is "Alert" or "Evacuation." The selected message type is displayed on the right of the message box.

Available Settings None (default), Set EV messages

#### (4) Duration (min) (Phase 1)

Select the playback duration of the EV Message to be broadcast repeatedly.

Available Settings Endless (default), 1 – 20 (minutes)

#### Note

To register the EV Message in Phases 2 and 3, "Duration" for the preceding phase should be set to a limited time except "Continuous."

#### (5) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the name preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other emergency sequence selected by Number (1).

# 11.6. Emergency Broadcast Pattern Settings

Clicking the [Emergency broadcast] button on the pattern settings screen allows Emergency broadcast patterns to be set.

Basic System   Basic System   System Surface   Stitings Sittings   Cuput zono BGM   General bookest Controloutyd   Emergency broadcast pattern settings (7)   Number (1)   Pats Copy   Name Emergency patten1   (2)   Sequence 001: Emergency requence 1   (3)     Place 1   Message   Alart   Sequence   Output   Sequence   Output   Controloutput   Nome   (4)   Duration (min)   Sequence   Output   Message   Controloutput   Nome   (5)   Place 2   Develop   Message   Sequence   Output   Nome   Sequence   Output   Nome   Sequence   Output   Nome   Sequence   Output   Nome   Sequence   Sequence   Sequence   Output   Nome   Sequence   Sequence   Sequence   Output   Nome   Sequence	SX-2000 Man	agement tool(Superuser)				
Basic System Surveit   Suttings Suttings   Cutput zore BOM   General broadcast Controloutyst   Emergency broadcast pattern C1)   Number I   I I   (1) Patter   Name Emergency pattern   (2)   Segance Oil: Emergency regence I   (3)     Place 1   Message   Abst   Sign0001   Duration (min)   Segance   Output   Nome   Sign0002   Output   Nome   Sign0002   Output   Nome   Sign0002   Output   Nome   Sign0002   Control output   Nome   Sign or place 1   Message   Sign002   Control output   Nome   Sign or place 1   Message   Sign or place 2   Sign or place 3   Control output   Nome   Control output   Nome   Sign or place 3   Control output   Nome   Control output   Nome   C	<u>File V</u> iew <u>C</u> or	nmunication <u>H</u> elp				
Output zone       BGM       General broadcast       Control output       Emergency sequence       Emergency broadcast       Failure output         Funder       I W (1)       I W (2)       I W (2)       Imagency sequence       Imagency seque	Basic settings	System settings	Pattern settings	Event Utility		
Exergency broadcast pattern settings (7) Pate Copy Number I I I I I I I I I I I I I I I I I I I	Output zone	BGM Gene	rral broadcast	Control output Emergency sequence	Emergency broadcast	Failure output
Number I   Name Emargency pattern!   Name Emargency pattern!   (2)   Sequence 01: Emargency sequence 1   (3)     Phase 1   Message   Alart   output   Individual zone   Control output     None   Output   None   Duration (min)   Endless   Control output     Individual zone     Control output     Individual zone     Control output     Individual zone     Control output     Individual zone     Control output     None     Image: Control output     Image: Control output <td>Emergency br</td> <td>oadcast pattern settings</td> <td></td> <td>(7)</td> <td></td> <td></td>	Emergency br	oadcast pattern settings		(7)		
Name Emergency pattern I (2)   Sequence 001: Emergency sequence I (3)     Phase 1   Message Aket   isign0001 Output   Duration (min) 5   Control output None   Output Individual zone   Output Individual zone   Duration (min) Endless   Output None   Phase 3 Output   Message Evacuation   Sign0002 Output   Output None   Output None   Message Evacuation   igin0002 Output   None Individual zone   Control output None   Message Output   Message Output   Message Control output   None (6)	Number	<ul> <li>1 ▶ (1)</li> </ul>	Paste	Сору		
Sequence 011: Emergency sequence 1 (3)  Phase 1 Message Alext Output Individual zone © Zone pattern isign0001 Duration (min) 5 Control output None (5)  Phase 2 Message Evacuation isign0002 Output None isign0002 Control output None isign002 Control output isign002 Control	Name	mergency pattern l	(2)			
Phase 1 Message Alext Cutyou Cutyou Control output	Sequence	001: Emergency sequence 1 🛛 🗸 (3)				
Phase 1 Message Alert Output Output Output (4) Duration (min) 5 Control output None (5) Phase 2 Message Evacuation Output Output None Otoput Output None (5) Phase 3 Phase 3 Phase 3 Phase 4 Duration (min) Control output Output None Otoput						
Message Alert isign0001 Duration (min) 5 Control output None (4) None (5) Phase 2 Message Evacuation Output Output Output None Duration (min) Endless Control output None Phase 3 Message Output Output None Duration (min) Control output None Control output None	Phase 1					
sign0001   Duration (min)     S   Control output None (5) Control output None (5) Control output None (5) Control output None (6) Same as phase 2 (6) Sa	Message	Alert	Output	🔘 Individual zone 💿 Zone pattern	(4)	
Duration (min) S   Control output     Message   Evacuation   sign0002   Duration (min)   Endless   Control output   None   Phase 3   Message   Output   Output   None   Output   None   Output   None   Output   None   Output   Output   None		sign0001		None 💌		
Phase 2         Message       Evacuation         sign0002       Output         Duration (min)       Endless         Control output       None         Message       Individual zone         Output       None         Message       Individual zone         Output       None	Duration (min)	S	Control output	None	5)	
Message       Evacuation       Individual zone       Zone pattern       Same as phase 1         Duration (min)       Endless       Control output       None       (6)         Phase 3       Output       Individual zone       Zone pattern       (6)         Message       Output       None       Individual zone       Zone pattern       (6)         Duration (min)       Control output       None       Individual zone       Zone pattern       (6)         Duration (min)       Control output       None       Individual zone       Inditidual zone       Individual zone       Individu	Phase 2					
sign0002   Duration (min)     Endless   Control output   None     Phase 3     Message     Output     Output     None   (6)   Same as phase 2	Message	Evacuation	Output	🔘 Individual zone 💿 Zone pattern	Same as phase 1	
Duration (min) Endless Control output None (6)		sign0002	Cutput	None 💙		
Phase 3 Message Output Output Same as phase 2 Duration (min) Control output None	Duration (min)	Endless	Control output	None 💙	(6)	
Message     Individual zone     Zone pattern       Output     None       Duration (min)     Control output	c Physe 3					
Output     None       Duration (min)     Control output	Message			🔵 Individual zone 💿 Zone pattern	Same as phase 2	
Duration (min) Control output None			Output	None		
	Duration (min)		Control output	None		
					J	

# (1) Number

Click on the box or press the arrow button to select the emergency broadcast pattern number.

valiable Settings   1 to 128 (default: 1)	Available Settings
---	--------------------

# (2) Name

Enter the name of the emergency broadcast pattern.

Available Settings Up to 32 alphanumeric characters. (default: Emergency pattern 1 – 128)

# (3) Sequence

Select the sequence name set in the "Emergency Sequence Settings" (p. 82).

Available Settings | None (default), Set Emergency Sequences

# (4) Output

Set the output zone of the EV message in each phase status.

Available Settings Individual zone, Zone pattern (default)

Selecting the "Individual zone" permits the Audio Output unit's output zone (Individual) to be selected.

Available Settings None (default), Output zone (Individual)

Selecting the "Zone pattern" permits the output zone pattern name set in the "Output Zone Pattern Settings" (p. 77) to be selected.

Available Settings	None (default), Output zone (Pattern)
--------------------	---------------------------------------

# (5) Control output pattern

Select the control output pattern name set in the "Control Output Pattern Settings" (p. 81).

Available Settings	None (default), Set control output patterns
--------------------	---

# (6) [Same as phase 1], [Same as phase 2] Button

Clicking the [Same as Phase 1] button copies the output zone and control output settings set in Phase 1 to those boxes in the Phase 2.

Likewise, clicking the [Same as Phase 2] button copies the output zone and control output settings set in the Phase 2 to those boxes in the Phase 3.

# (7) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the name preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other emergency broadcast pattern selected by Number (1).

# 11.7. Failure Output Pattern Settings

Clicking the [Failure output] button on the pattern settings screen allows Failure output patterns to be set.

SX-2000 File <u>V</u> iew	Management too <u>Communication</u>	ol(Superuser) Help							
Basic settings	System settings	Surveil- lance settings	Priority settings	Pattern settings	ivent ttings	ity			
Output	zone	BGM	General broa	dcast Co	ontroloutput	Emergency sequer	ice Emergen	cy broadcast	Failure output
<u>Failure ou</u>	put pattern sett	tings			(6)	7			
Number	1	<b>(1)</b>		Paste	Сору				
Name	Failure output patte	em l		(2)					
SM	SM		System failure	DC POWER	DC FUSE	DS LINK	SX LINK	RM LINK	(3)
AI	( AII								
RM	Inputl	Input2	Input3	Input4	InputS	Input6	Input7	Input8	
AII	AI1-RM1	AI1-RM2							
AO	AOI								
Amplifier	Zonel	Zone2	Zone3	Zone4	Zone5	Zone6	Zone7	Zone8	Standby
A01	A01-ZONE1								
Loudspeaker	Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8	
A01									J
External failu	e input								
None		v (4	4)						
Failure status o	output		5)						
None		~	5)						

Settings made here are operatively associated with the p. 69 "Surveillance Settings." Select the units or the surveillance target points.

# · Selecting the units (Designate the units as factors to activate failure output pattern.)

At least one or more surveillance points must be set to the unit to be selected here to enable Surveillance function.

This failure output pattern is activated when irregularity is detected at the surveillance points of the selected unit. Determine the method to activate the set failure output patterns using the "Event Settings (p. 87)." Characters on each setting button on the screen represent the unit names as shown below.

SM:	SX-2000SM
AI1:	SX-2000AI or SX-2100AI with device No. set to "1."
AI1-RM1:	RM-200SF and RM-210, RM-200S and RM-210, or RM-200SA and
	RM-210 connected to AI1's Input 1.
AI1-RM2:	RM-200SF and RM-210, RM-200S and RM-210, or RM-200SA and
	RM-210 connected to AI1's Input 2.
AO1:	SX-2000AO or SX-2100AO with Unit No. set to "1," and its connected
	SX-2000CI and SX-2000CO.
AO1-ZONE 1 in Amplifier item:	External amplifier connected to the Amplifier Input terminal of AO1 used
·	for Zone 1.
AO1-ZONE 1 in Loudspeaker item:	Speakers connected to the Speaker Connection terminals of AO1 used for Zone 1.

# • Selecting the surveillance target points (Designate the surveillance target points as factors to activate failure output pattern.)

Each setting button in the "System failure" becomes active when the following surveillance points are marked in any one of the units within the system in the "Surveillance Settings (p. 69)."

This failure output pattern is activated when irregularity is detected at the selected surveillance points set to

any one of the units within the system.

Determine the method to activate the failure output patterns using the "Event Settings (p. 87)." Each setting button on the screen represents the surveillance points as shown below.

DC POWER: DC power of the SX-2000SM, SX-2000AI, SX-2100AI, SX-2000AO, SX-2100AO, SX-2000CI, or SX-2000CO

DC FUSE\*: Fuse inside the amplifier connected to the SX-2100AO

DS link of the SX-2000SM and SX-2100AO DS LINK:

SX LINK: SX link of the SX-2000SM, SX-2000AI, SX-2100AI, SX-2000AO, and SX-2100AO

RM link of the remote microphone connected to the SX-2000AI or SX-2100AI RM LINK:

\* DC FUSE setting button becomes active when the "Amplifier" checkbox is marked in the "Surveillance Settings (p. 69)."

# (1) Number

Click on the box or press the arrow button to select the failure output pattern number.

lable Settings
----------------

#### (2) Name

Enter the names of the failure output pattern.

**Available Settings** Up to 32 alphanumeric characters. (default: Failure output pattern 1 - 256)

#### (3) Failure detection units or surveillance target points settings

Select the units or surveillance target points as factors to activate failure [When selected] output patterns. Tip

For quick selection of multiple cells, refer to p. 75 "Selecting multiple cells."

SM SM

Colored (Selected), Colorless (Not selected, default) Available Settings

# (4) External failure input

This function is available when the "External failure input" (p. 97) is set to the control input terminals of the SX-2000SM, SX-2100AI, SX-2000AO, SX-2100AO, and SX-2000CI.

#### Note

Use the Event of each unit in the "Event Settings" to set the function to the control input terminals. For details, refer to pages 101 - 119.

Available Settings None (default), External failure input terminals set in the "Event Settings."

#### (5) Failure status output

Set the control output pattern to be output when the set failure output pattern has occurred. This setting item is valid when at least one surveillance target point is selected in the item (3).

Available Settings	None (default), Set control output patterns
--------------------	---

#### (6) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the name preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other failure output pattern selected by Number (1).

# **12. EVENT SETTINGS**

Pressing the [Event settings] button displays the screen below.

Set System event, and assign functions to the Control input terminals of the SM, AI, AO, and CI, Function keys of the AI, AO, and RM, and Channel keys of the AI and AO.

# Note

"SM" represents SX-2000SM, "AI" SX-2000AI and SX-2100AI, "AO" SX-2000AO and SX-2100AO, "CI" SX-2000CI, and "RM" RM-200SF, RM-200S, RM-200SA, and RM-210.

(*	l) (2	2) ( I	3) I	(4)	(5) I	(6) I	
Ella Vien	Management tool(Sup	eruser/					
Basic settings	System settings	reil- ice ings	Pattern settings	t gs Utility	)		
System	sevent SM e	AI	event AO	event	RM event	CI event	
<u>System er</u>	ent settings						
State output							
Control	output pattern of emergency s	tatus					
	None	~					
Control	output pattern of AC-mains fa	ibire status					
	None	~					
							.::

Pressing each button (1 - 6) displays the corresponding setting screen.

#### (1) System event button

Set control output patterns when the system is in emergency and power failure modes. (Refer to p. 100.)

#### (2) SM event button

Set functions to be assigned to the SX-2000SM's control input terminals. (Refer to p. 101.)

#### (3) AI event button

Set functions to be assigned to the control input terminals (SX-2100AI only), and Function and Channel keys of the SX-2000AI and SX-2100AI. (Refer to p. 105.)

#### (4) AO event button

Set functions to be assigned to the control input terminals, and Function and Channel keys of the SX-2000AO and SX-2100AO. (Refer to p. 109.)

#### (5) RM event button

Set functions to be assigned to the keys of the RM-200SF, RM-200S, RM-200SA, and RM-210. (Refer to p. 112.)

#### (6) CI event button

Set functions to be assigned to the SX-2000CI's control input terminals. (Refer to p. 119.)

# 12.1. Assignable Functions and Explanations

Assigned to	Control inpu	ut terminals	Function keys	Channel keys	RM keys	
Function	SX-2000SM	SX-2100AI SX-2000AO SX-2100AO SX-2000CI	SX-2000AI SX-2100AI SX-2000AO SX-2100AO	SX-2000AI SX-2100AI SX-2000AO SX-2100AO	RM-200SF RM-200S RM-200SA RM-210*1	Reference page
General broadcast			$\checkmark$	$\checkmark$	$\checkmark$	P. 90
General broadcast (Level)	$\checkmark$	$\checkmark$				P. 90
General broadcast (Pulse)	$\checkmark$	$\checkmark$				P. 91
BGM pattern change/end	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	P. 92
Zone volume adjustment (Pulse)	$\checkmark$	$\checkmark$				P. 93
Zone volume attenuation (Level)	$\checkmark$	$\checkmark$				P. 93
Time adjustment	✓					P. 93
Emergency broadcast pattern start* <sup>2</sup>	$\checkmark$	$\checkmark$			√ *2	P. 94
Emergency broadcast pattern stop*2	$\checkmark$	$\checkmark$			√ *2	P. 94
Emergency sequence stop* <sup>2</sup>	$\checkmark$	$\checkmark$			✓ *2	P. 94
Emergency sequence phase shift* <sup>2</sup>	$\checkmark$	$\checkmark$			✓ *2	P. 94
Emergency reset*2	$\checkmark$	$\checkmark$			√ *2	P. 94
Failure output receipt*3	$\checkmark$	$\checkmark$			$\checkmark$	
Failure output reset*3	$\checkmark$	$\checkmark$			$\checkmark$	
External failure input*3	$\checkmark$	$\checkmark$				P. 97
RM broadcast status					$\checkmark$	P. 98
General EV broadcast					$\checkmark$	P. 99
Channel ON/OFF				$\checkmark$		
Zone selection (Pattern)					$\checkmark$	
Zone selection (Individual)					$\checkmark$	
Zone selection clear					$\checkmark$	
Lamp test					✓ *4	

- \*1 Assignable functions to the RM-210 differ depending on the type of remote microphone the RM-210 is connected to. The same functions as those assigned to the remote microphone (RM-200SF, RM-200SA, or RM-200S) can be assigned to the RM-210.
- \*2 These functions are available for the control input terminals and RM-200SF when the emergency broadcasting function is set to "Used" in the "Basic Settings." In addition to this setting, for the RM-200SA, these functions are available when its type is set to "Emergency/General" in the "System Settings." For the RM-200S, these functions are unavailable, regardless of whether or not the above settings are performed.
- \*3 These functions are available when the surveillance function is set to "Used" in the "Basic Settings."
- \*4 This function cannot be assigned to the RM-200S.

- · General broadcast: Activates general-purpose pattern broadcast using the key. (Refer to p. 90.) Activates general pattern broadcasts using the control input (Level). · General broadcast (Level): (Refer to p. 90.) General broadcast (Pulse): Activates general pattern broadcasts using the control input (Pulse). (Refer to p. 91.) · BGM pattern change/end: Activates or ends BGM pattern broadcast using the key or control input. (Refer to p. 92.) Adjusts the volume level of the zone output pattern using the key or Zone volume adjustment (Pulse): control input (Pulse). (Refer to p. 93.) · Zone volume attenuation (Level): Decreases volume level of the zone output pattern using the key or control input (Level). (Refer to p. 93.) · Time adjustment: Zero-adjusts the SX-2000SM's internal clock. (Refer to p. 93.) · Emergency broadcast pattern start: Activates the emergency broadcast pattern using the key or control input. (Refer to p. 94.) Stops the activated emergency broadcast pattern using the key or • Emergency broadcast pattern stop: control input. (Refer to p. 94.) · Emergency sequence stop: Stops the activated all emergency broadcast patterns which include the designated emergency sequence using the key or control input. (Refer to p. 94.) · Emergency sequence phase shift: Shifts the phase in progress to the next phase in the emergency broadcast pattern's sequence using the key or control input. (Refer to p. 94.) · Emergency reset: Terminates the emergency broadcast state using the key or control input, and returns the system to the normal state. (Refer to p. 94.) · Failure output receipt: Receives the activated failure output pattern using the key or control input. When this function is assigned to the control input, any activated failure pattern in the system can be acknowledged by the control input, while when assigned to the remote microphone's key, only the activated specific failure pattern can be acknowledged by the key. (See the separate Operating Instructions, "Operation.") Failure output reset: Resets all fault state in the system using the key or control input. (See the separate Operating Instructions, "Operation.") · External failure input: Accepts an external failure state. (Refer to p. 97.) RM broadcast status: Displays the current broadcast status of other remote microphone(s) on the remote microphone's function key. (Refer to p. 98.) General EV broadcast: Calls up the EV message from the remote microphone's function key for broadcast. (Refer to p. 99.) · Channel ON/OFF: Turns the channel ON or OFF. · Zone selection (Pattern): Selects the Remote Microphone announcement zones using the patterns. (See the separate Operating Instructions, "Operation.") · Zone selection (Individual): Selects each SX-2000AO's or SX-2100AO's channel through which Remote Microphone announcements are output. (See the separate Operating Instructions, "Operation.") · Zone selection clear: Resets zones being selected by the Remote Microphone.
- Lamp test: Performs the lamp test of the RM-200SF's of RM-200SA's indicators.

# **12.2. Function Description**

#### 12.2.1. General-purpose pattern broadcasts, General-purpose pattern broadcasts (Level)

When different control inputs turn ON, general-purpose pattern broadcasts activated by each control input\* are made simultaneously.



General-purpose patterns and control output patterns in the above example operate as follows:

- Example of general-purpose pattern operation General-purpose pattern 1 activated when control input 1 is ON continues until control input 1 turns OFF. General-purpose pattern 2 activated when control input 2 is ON continues until control input 2 turns OFF.
- · Example of control output operation

Control output pattern 1 activated when control input 1 is ON continues until control input 1 turns OFF. Control output pattern 2 activated when control input 2 is ON continues until control input 2 turns OFF. The state of control outputs overlapping in control output patterns 1 and 2 continues during the period from the time control input 1 turns ON until control input 2 turns OFF. (OR logic output)

\* This timing chart also applies when general-purpose pattern broadcasts are activated by the function keys or channel keys of the SX-2000AI, SX-2100AI, SX-2000AO, or SX-2100AO, or the function keys of the RM-200SF, RM-200SA, or RM-210.

# 12.2.2. General-purpose pattern broadcasts (Pulse)

When different control inputs turn ON, general-purpose pattern broadcasts activated by each control input\* are made simultaneously.



General-purpose patterns and control output patterns in the above example operate as follows:

· Example of general-purpose pattern operation

General-purpose pattern 1 activated when control input 1 is ON continues until control input 1 turns OFF. General-purpose pattern 2 activated when control input 2 is ON continues until control input 2 turns OFF.

· Example of control output operation

Control output pattern 1 activated when control input 1 is ON continues until control input 1 turns OFF. Control output pattern 2 activated when control input 2 is ON continues until control input 2 turns OFF. The state of control outputs overlapping in control output patterns 1 and 2 continues during the period from the time control input 1 turns ON until control input 2 turns OFF. (OR logic output)

\* Settings can be performed only for the control input of the SX-2000SM, SX-2100AI, SX-2000AO, SX-2100AO and SX-2000CI.

# 12.2.3. BGM pattern change/end

BGM pattern (control output pattern) broadcasts can be switched by control input\*.



Operation of the BGM pattern and the control output pattern in the above example is as follows:

- Example of BGM pattern operation BGM pattern 1 activated by Control Input 1 is switched to BGM pattern 2 by Control Input 2.
- · Example of control output operation

The state of the control output (control output assigned by Control Output Pattern 1) activated by Control Input 1 is turned OFF by "Control output pattern: None" activated by Control Input 2.

\* The timing chart also applies when BGM pattern broadcasts are changed by the function keys of the SX-2000AI, SX-2100AI, SX-2000AO, or SX-2100AO, or the function keys of the RM-200SF, RM-200S, RM-200SA, or RM-210.

# 12.2.4. Control signal for adjusting volume

This function changes the volume of broadcasts currently in progress. Either a pulse or level signal can be selected as the signal to change the volume.

- Pulse signal: Each time the control input is turned ON, the volume increases or decreases by the set amount.
- Level signal: While the control terminal is ON, the volume is attenuated by the set amount. After the control input is turned OFF, the volume returns to the original level.



#### 12.2.5. Time adjustment

This function permits the system to receive time correction signal from a master or wave clock to correct the system's time in  $\pm 30$  seconds units.

The time correction is performed by the timing of a pulse rising edge.



Time is corrected as follows:

- When time is from 0 to 29 seconds, it is corrected to 0 second. (Example) When the SX-2000SM's time is 07:15:15, it is corrected to 07:15:00.
- When time is from 30 to 59 seconds, it is corrected to +1 minute, 0 second. (Example) When the SX-2000SM's time is 07:15:45, it is corrected to 07:16:00.

# 12.2.6. Emergency broadcast

Emergency broadcast pattern can be started or stopped, sequence phase can be shifted within the pattern, and emergency broadcast status can be reset to normal broadcast status via control input.

# [Setting Example]

Perform settings for each item as follows in advance.

#### · EV message settings

EV message 1		EV message 2		EV messa	ge 3
Message name	Туре	Message name	Message name Type		Туре
EV1	Alert	EV2 Evacuation		EV3	Alert
	. 1		_	1	
EV messag	je 4	EV messag	ge 5		
Message name	Туре	Message name	Message name Type		
EV4	Evacuation	EV5 Reset			

#### Emergency sequence settings

	Emergency	Phase 1	Phase 2	Phase 3
	sequence 1	EV message 1, 5-minute broadcast	EV message 2, Continuous broadcast	
	Emergency sequence 2	Phase 1	Phase 2	Phase 3
		EV message 3, 5-minute broadcast	EV message 4, Continuous broadcast	

Note: Phase 3 is not set in this example.

#### Emergency broadcast pattern settings

		Phase 1	Phase 2	Phase 3
Emergency broadcast	sequence 1	EV message 1, 5-minute broadcast	EV message 2, Continuous broadcast	
pattern 1	Output zone	Output zone pattern 1	Output zone pattern 2	
	Control output pattern	Control output pattern 1	Control output pattern 2	
		Phase 1	Phase 2	Phase 3
	Emergency			1 11436 0
Emergency broadcast	sequence 2	5-minute broadcast	EV message 4, Continuous broadcast	
pattern 2	Output zone	Output zone pattern 3	Output zone pattern 4	
	Control output pattern	Control output pattern 3	Control output pattern 4	
				Phase 3
	Emergency			1 11036 0
Emergency broadcast	sequence 1	EV message 1, 5-minute broadcast	EV message 2, Continuous broadcast	
pattern 3	Output zone	Output zone pattern 5	Output zone pattern 6	
	Control output pattern	Control output pattern 5	Control output pattern 6	

# Control input settings

- Control input 1: Emergency broadcast pattern 1 start
- Control input 2: Emergency broadcast pattern 2 start
- Control input 3: Emergency broadcast pattern 3 start
- Control input 4: Emergency broadcast pattern 1 stop
- Control input 5: Emergency sequence 1 phase shift
- Control input 6: Emergency sequence 1 stop
- Control input 7: Emergency reset (EV5 playback)

# [Operation example 1]



Operations in this example are as follows.

- Phase 1 automatically shifts to Phase 2 when the preset time has elapsed.
- EV message "EV2" set to "Continuous broadcast" stops with the control input 4 ("Emergency broadcast pattern 1 stop" signal) or the control input 7 ("Emergency reset" signal).
- Emergency broadcast status continues even if the emergency broadcast pattern stops. It will return to normal broadcast status after Reset EV message is broadcast by the control input 7 ("Emergency Reset" signal).

# [Operation example 2]



# Note

When the zone output patterns in the phases of both emergency broadcast patterns 1, 2, and 3 include the same zone(s), the emergency broadcast pattern with higher-priority EV message has precedence if both broadcasts to the same zone(s) overlap.

Operations in this example are as follows.

- Phase 1 shifts to Phase 2 with the control input 5 ("Emergency sequence 1 phase shift" signal) before the Phase 1 broadcast ends.
- All emergency broadcast patterns including the same Emergency sequence 1 stop with the control input 6 ("Emergency sequence 1 stop" signal).
- All emergency broadcast patterns stop with the control input 7 ("Emergency reset" signal). The status will return to normal broadcast status after Reset EV message is broadcast to all the zones where Emergency broadcast pattern was broadcast.

#### 12.2.7. External failure input

Failure status of the external equipment can be accepted. Match the settings of the external failure input with type of a failure signal from the external equipment to "make" (close) or "break" (open). The failure pattern to which the external failure input is assigned is activated when an external failure signal is input.

# [Example when being "make" at the time of external equipment's failure]



#### Note

As for which conditions lead the external device into fault status, refer to the manual enclosed with that device.

#### 12.2.8. RM broadcast status

This function displays the current broadcast status of other remote microphones on the function key of the enabled remote microphone.

# [Operation example]



In this example, Remote Microphone 1's broadcast status is set on Remote Microphone 2's Function key 1.

<u>RM event settings</u>		Name Remote Mic2 V AI-	1 ID:2 Model:RM-200SA Type:General	Paste	
Function key					
	Name	Function	Con	tents	
EMG	EMGKEY				
SYS1	SYSKEY1	- 🗸			
SYS2	SYSKEY2	- 🗸			
SYS3	SYSKEY3	- ~			
1	KEY1	RM broadcast status 💌	Remote Micl 🗸		

Start Remote Microphone 1 broadcast.

The broadcast status indicator set for Remote Microphone 2's Function key 1 continues to light yellow while Remote Microphone 1 is broadcasting.

The broadcast status indicator on Remote Microphone 2 goes off after Remote Microphone 1 broadcast is completed.





#### 12.2.9. General EV broadcasts

General EV messages can be broadcast over the desired zone(s) by pressing the remote microphone's function key.

When making general EV broadcasts from equipment other than the remote microphone, select "Pattern Settings  $\rightarrow$  General Broadcast Pattern Settings" (p. 79) to create the general broadcast pattern using the general EV message, then assign the pattern to each function key or control input in the "Event Settings" (p. 87).

General EV broadcast operations change as follows depending on the "Playback method settings" (p. 49) selected by clicking "System Settings  $\rightarrow$  SX-2000SM."

#### [EV message setting examples]

	Playback method
EV Message 1	Once
EV Message 2	Endless

#### • EV Message 1: When the "Playback method" is set to "Once"

The EV message ends after being broadcast once.

Pressing the remote microphone's function key during EV message playback causes the general EV broadcast to end.



• EV Message 2: When the "Playback method" is set to "Endless"

The general EV broadcast continues to play repeatedly until the remote microphone's function key is pressed.



# 12.3. System Event Settings

Set control output patterns in each state of the system.

Pressing the [System event] button on the Event Settings screen displays the System event settings screen.

🛐 SX-2000 Management tool(Superuser)
File View Communication Help
Basic settings       System settings       Surveil- lance settings       Priority settings       Pattern settings       Event settings       Utility
System event SM event AI event AO event RM event CI event
System event settings
_State output
Control output pattern of emergency status
None V (1)
Control output pattern of AC-mains failure status

# (1) Control output pattern of emergency status

Select the control output pattern to be generated when the SX-2000 system is in an emergency broadcast condition.

Available Settings	None (default), Set Control Output Pattern
--------------------	--

#### Note

This function is available only when the Emergency broadcasting function is set to "Used" in the "Basic Settings."

If "Not used" has been selected for the Emergency broadcasting function, the screen at right is displayed, and it is not possible to select the control output patterns.

Control output pattern of emergency

# (2) Control output pattern of AC-mains failure status

Select the control output pattern to be generated when the SX-2000 system is battery operated.

Available Settings	None (default), Set Control Output Pattern

#### Note

This function is available only when the Surveillance function is set to "Used" in the "Basic Settings" (p. 29).

If "Not used" has been selected for the Surveillance function, the screen at right is displayed, and it is not possible to select the control output patterns.

Control output pattern of power failure

# 12.4. SM Event Settings

Assign functions to the SX-2000SM's control inputs.

Clicking the [SM event] button on the Event Settings screen displays the SM event settings screen.

Image ment tool(Superuser)         File       View       Communication       Help         Basic       System       Surveillance       Priority       Pattern       Event         settings       System       Surveillance       Priority       Pattern       Event       Utility         System event       SM event       Al event       AO event       RM event       CI event         SM event settings       SM event       SM event       SM event       CI event						
Control	<sub>input</sub> (1)	(2)	(3)	(4)		
	Name	Function	Cont	ents		
1	SM-CIN1	General broadcast(Pulse)	001: General pattern 1 🛛 👻	001: Control output pattern l 💌		
2	SM-CIN2	General broadcast(Level)	001: General pattern 1 🛛 👻	001: Control output pattern l 🛛 🗸		
3	SM-CIN3	BGM pattern change/end 👻	001: BGM pattern l 🛛 👻	001 : Control output pattern l 🛛 🗸 🗸		
4	SM-CIN4	Zone volume adjustment(Pulse) 💉	001: Zone pattern l 💌	+3dB 🗸		
5	SM-CIN5	Zone volume attenuation(Level) 💉	001: Zone pattem l 💉	-Зав 💌		
6	SM-CIN6	Emergency broadcast pattern start 🗸 🗸 🗸	001: Emergency pattern l 🛛 👻			
7	SM-CIN7	Emergency reset 💌	003: ResetMessage 💌	001: Control output pattern l		
8	SM-CIN8	Time adjustment 🗸 🗸				

# (1) Name

Enter each name of the SX-2000SM's control inputs.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, SM-CIN1	
	represents the SX-2000SM's Control input No. 1.)	

# (2) Function

Select functions for the control inputs. If the selected function needs particular settings, they are displayed on the "Contents."

Available Settings	None (default), General broadcast (Pulse)*, General broadcast (Level)*, BGM pattern change/end*, Zone volume adjustment (Pulse)*, Zone volume attenuation (Level)*, Time adjustment
	* Corresponding patterns must be created in advance to select these items.
	<ul> <li>Notes</li> <li>Following functions can be selected when the Emergency broadcasting function is set to "Used" in the "Basic Settings." Emergency broadcast pattern start, Emergency broadcast pattern stop, Emergency sequence stop, Emergency sequence phase shift, Emergency reset</li> </ul>
	<ul> <li>Following functions can be selected when the Surveillance function is set to "Used" in the "Basic Settings." Failure output receipt, Failure output reset, External failure input</li> </ul>

# [ If "General broadcast (Level)" is selected for "Function" ]

#### (3) Contents (left side)

Select the general broadcast pattern to be activated by the control input. Set the broadcast pattern using "Pattern settings  $\rightarrow$  General broadcast pattern settings" (p. 79). Setting the broadcast pattern to "None" and "Control output pattern" (next item) permits only the control output to be operated in synchronization with the control input.

Available Settings	None (default), Set general broadcast pattern
--------------------	---

#### (4) Contents (right side)

Select the control output pattern that operates in synchronization with the control input. Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

|--|--|--|--|

# [If "General broadcast (Pulse)" is selected for "Function"]

#### (3) Contents (left side)

Select the general broadcast pattern to be activated by the control input. Set the broadcast pattern using "Pattern settings  $\rightarrow$  General broadcast pattern settings" (p. 79). Setting the broadcast pattern to "None" and "Control output pattern" (next item) permits only the control output to be operated in synchronization with the control input.

Available Settings None (default), Set general broadcast pattern

#### (4) Contents (right side)

Select the control output pattern that operates in synchronization with the control input. Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings None (default), Set control output pattern

# [ If "BGM pattern change/end" is selected for "Function" ]

#### (3) Contents (left side)

Select the BGM broadcast pattern to be activated by the control input. Set the broadcast pattern using "Pattern settings  $\rightarrow$  BGM pattern settings" (p. 78). If the broadcast pattern is set to "End," then it is not possible to set "Control output pattern" (next item).

Available Settings	End (default), Set BGM broadcast pattern
--------------------	--

#### (4) Contents (right side)

Select the control output pattern that operates in synchronization with the control input. Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings	None (default), Set control output pattern

# [ If "Zone volume adjustment (Pulse)" is selected for "Function" ]

#### (3) Contents (left side)

Select the output zone pattern of which sound volume is to be adjusted. If the output zone is set to "End," it is not possible to set "Volume level increment/decrement" (next item).

Available Settings End (default), Set output zone pattern

#### (4) Contents (right side)

Adjust the amount to increase or decrease the sound volume level of the output zone pattern.

Available Settings 0 dB (default), -10 to +10 dB (in 1-dB steps)

# [If "Zone volume attenuate (Level)" is selected for "Function" ]

#### (3) Contents (left side)

Select the output zone pattern of which sound volume is to be attenuated. If the output zone is set to "End," it is not possible to set "Attenuation" (next item).

Available Settings End (default), Set output zone pattern

#### (4) Contents (right side)

Select the attenuation level.

Available Settings | -1 dB, -2 dB, -3 dB, -6 dB, -10 dB, -20 dB, (default), -40 dB, -infinity dB

#### [If "Emergency broadcast pattern start" is selected for "Function"]

#### (3) Contents (left side)

Select the emergency broadcast pattern to be activated by the control input. Set the emergency broadcast pattern using "Pattern settings  $\rightarrow$  Emergency broadcast pattern settings" (p. 83).

Available Settings | None (default), Set emergency broadcast pattern

#### [If "Emergency broadcast pattern stop" is selected for "Function"]

#### (3) Contents (left side)

Select the emergency broadcast pattern to be stopped by the control input. Set the emergency broadcast pattern using "Pattern settings  $\rightarrow$  Emergency broadcast pattern settings" (p. 83).

Available Settings Set emergency broadcast pattern (default: Pattern 1)

#### [If "Emergency sequence stop" is selected for "Function"]

#### (3) Contents (left side)

Select the emergency sequence to be stopped by the control input. Set the emergency sequence using "Pattern settings  $\rightarrow$  Emergency sequence settings" (p. 82).

Available Settings Set emergency sequence (default: Sequence 1)

# [If "Emergency sequence phase shift" is selected for "Function"]

#### (3) Contents (left side)

Select the emergency sequence to be shifted to by the control input. Set the emergency sequence using "Pattern settings  $\rightarrow$  Emergency sequence settings" (p. 82).

Available Settings | Set emergency sequence (default: Sequence 1)

# [If "Emergency reset" is selected for "Function"]

# (3) Contents (left side)

Select the EV message (Type: Reset) to be broadcast by the control input. Set the EV message using "System settings  $\rightarrow$  System Manager  $\rightarrow$  EV Message" (p. 45). Setting the EV message to "None" and "Control output pattern" (next item) permits only the control output to be operated in synchronization with the control input.

Available Settings None (default), Set emergency broadcast pattern

#### (4) Contents (right side)

Select the control output pattern that operates in synchronization with the control input. Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings None (default), Set control output pattern

# [If "External failure input" is selected for "Function"]

# (3) Contents (left side)

Select the type of contact input to judge to be a failure.

#### Note

Assigning this function to a control input terminal enables this terminal to be selected in the "External failure input" item on the "Failure output pattern settings" screen (p. 85).

Available Settings Break (default), Make

# 12.5. AI Event Settings

Assign functions to the Function keys, Channel keys, and control inputs of the SX-2100AI and SX-2000AI. Clicking the [AI event] button on the Event Settings screen displays the AI event settings screen.

SX-2000 Management tool(Superuser)				
File <u>View Communication H</u> elp				
Basic settings       System settings       Surreil-lance settings         b       System settings       Priority settings             Pattern settings       Utility				
S	rstem event	SM event AI event	AO event RM event	CI event
<u>AI ev</u>	ent settings (1	Unit number		Paste
Function	1 key <b>(3)</b>			(2)
	Name	Function	C	ontents
1	AI1-FKEY1	General broadcast 🛛 👻	001: General pattern l	001: Control output pattern l
2	AI1-FKEY2	BGM pattern change/end 💌	001:BGM pattern l	001 : Control output pattern l
3	AI1-FKEY3	BGM pattern change/end 💌	End	
4	AI1-FKEY4	- 💌		
Channel	key <b>(4)</b>			
	Name	Function	C	ontents
1	AI1-CHKEY1	Channel ON/OFF		
2	AI1-CHKEY2	Channel ON/OFF		
3	AI1-CHKEY3	Channel ON/OFF		
4	AI1-CHKEY4	Channel ON/OFF		
5	AI1-CHKEY5	Channel ON/OFF 🛛 🗸		
6	AI1-CHKEY6	Channel ON/OFF		
7	AI1-CHKEY7	Channel ON/OFF 🛛 🗸		
8	AI1-CHKEY8	Channel ON/OFF 🖌		
Control	input <b>(5)</b>			<u>.</u>
	Name	Function	C	ontents
1	AI1-CIN1	General broadcast(Pulse)	001: General pattern l	001: Control output pattern l
2	AI1-CIN2	General broadcast(Level)	001: General pattern l	🖌 001: Control output pattern l 🔽
3	AI1-CIN3	BGM pattern change/end 🛛 🖌	001: BGM pattern l	None 🗸
4	AI1-CIN4	BGM pattern change/end 🗸	End	•
5	AI1-CIN5	-		
6	AI1-CIN6	-		
7	AI1-CIN7	Emergency broadcast pattern start	001: Emergency pattern l	
8	AI1-CIN8	Emergency broadcast pattern stop	001: Emergency pattern l	
9	AI1-CIN9	Emergency sequence stop	001: Emergency sequence 1	
10	AI1-CIN10	Emergency sequence phase shift	001: Emergency sequence 1	
11	AI1-CIN11	Emergency reset	None	
12	AI1-CIN12	Faihre output receipt		
13	AI1-CIN13	Failure output reset		+
14	AI1-CIN14	External failure input	Failure when turning it off	
15	AI1-CIN15			
16	AI1-CIN16			+
10				

# (1) Unit number

Click on the box, or press the arrow button to select the desired SX-2000AI or SX-2100AI.

# (2) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other SX-2000Al or SX-2100Al selected by Unit number setting item (1).

# (3) Function key

Function key

	Name	Function	Contents	
1	AI1-FKEY1	General broadcast 🛛 👻	001: General pattem l 💙	001: Control output pattern l 🛛 🗸
2	AI1-FKEY2	BGM pattern change/end 🛛 👻	001: BGM pattern l 🗸 🗸	001: Control output pattern l 🗸 🗸 🗸
3	AI1-FKEY3	BGM pattern change/end 🛛 🗸	End	
4	AI1-FKEY4	- ~		

#### • Name

Enter the names of the function keys on the SX-2000AI's or SX-2100AI's front panel.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, Al1-FKEY1
	represents the Function key No. 1 of Unit No.1's SX-2000AI or SX2100AI.)

#### • Function

Select functions to be assigned to the function keys on the SX-2000AI's or SX-2100AI's front panel. If the selected function needs particular settings, they are displayed on the "contents."

Available Settings None (default), General broadcast, BGM pattern change/end

# [ If "General broadcast" is selected for "Function" ]

#### Contents (left side)

Select the general broadcast pattern to be assigned to the function keys on the SX-2000AI's or SX-2100AI's front panel.

Set the broadcast pattern using "Pattern settings  $\rightarrow$  General broadcast pattern settings" (p. 79).

Setting the broadcast pattern to "None" and "Control output pattern" (next item) permits only the control output to be operated in synchronization with the control input.

Available Settings	None (default), Set general broadcast pattern
--------------------	---

#### · Contents (right side)

Select the control output that operates in synchronization with the function keys on the SX-2000AI's or SX-2100AI's front panel.

Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings None (default), Set control output pattern

# [If "BGM pattern change/end" is selected for "Function"]

#### • Contents (left side)

Select the BGM broadcast pattern to be assigned to the function keys on the SX-2000AI's or SX-2100AI's front panel.

Set the BGM pattern using "Pattern settings  $\rightarrow$  BGM pattern settings" (p. 78).

If the broadcast pattern is set to "End," then it is not possible to set "Control output pattern" (next item).

Available Settings	End (default). Set BGM broadcast pattern	
	End (doldald), oot ball broaddat pattorn	

#### • Contents (right side)

Select the control output that operates in synchronization with the function keys on the SX-2000AI's or SX-2100AI's front panel.

Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings	None (default), Set control output pattern
--------------------	--

# (4) Channel key

Channel key

	Name	Function	Con	tents
1	AI1-CHKEY1	Channel ON/OFF 🛛 🗸		
2	AI1-CHKEY2	Channel ON/OFF 🛛 🗸		
3	АП-СНКЕУЗ	Channel ON/OFF 🛛 🗸		
4	AI1-CHKEY4	Channel ON/OFF 🛛 🗸		
5	AI1-CHKEY5	Channel ON/OFF 🛛 🗸		
6	AI1-CHKEY6	Channel ON/OFF		
7	AI1-CHKEY7	Channel ON/OFF 🛛 🗸		
8	AI1-CHKEY8	Channel ON/OFF 🛛 🗸		

#### • Name

Enter the names of the channel keys on the SX-2000AI's or SX-2100AI's front panel.

Available Settings	Up to 32 alphanumeric characters. (Default name, for example, AI1-CHKEY1
	represents the Channel key No.1 of Unit No.1's SX-2000AI or SX2100AI.)

#### • Function

Select functions to be assigned to the channel keys on the SX-2000AI's or SX-2100AI's front panel. If the selected function needs particular settings, they are displayed on the "contents."

Available Settings None, General broadcast, Channel ON/OFF (default)

# [ If "General broadcast" is selected for "Function" ]

#### · Contents (left side)

Select the general broadcast pattern to be assigned to the channel keys on the SX-2000AI's or SX-2100AI's front panel.

Set the broadcast pattern using "Pattern settings  $\rightarrow$  General broadcast pattern settings" (p. 79). Setting the broadcast pattern to "None" and "Control output pattern" (next item) permits only the control output to be operated in synchronization with the control input.

Available Settings	None (default), Set general broadcast pattern	
--------------------	---	--

#### · Contents (right side)

Select the control output that operates in synchronization with the channel keys on the SX-2000AI's or SX-2100AI's front panel.

Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings	None (default), Set control output pattern
--------------------	--

# (5) Control input (SX-2100Al only)

Control input

	Name	Function	Contents	
1	AI1-CIN1	General broadcast(Pulse)	001 : General pattern l 🛛 👻	001: Control output pattern l 💌
2	AI1-CIN2	General broadcast(Level)	001 : General pattern l 🛛 👻	001: Control output pattern l 🛛 🗸
3	AI1-CIN3	BGM pattern change/end 💌	001:BGM pattern l 🗸 🗸 🗸	None 🗸
4	AI1-CIN4	BGM pattern change/end 💌	End	
5	AI1-CIN5	- 🗸		
6	AI1-CIN6	- 🗸		
7	AI1-CIN7	Emergency broadcast pattern start 💌	001: Emergency pattern l 🗸 🗸 🗸	
8	AI1-CIN8	Emergency broadcast pattern stop 🛛 👻	001: Emergency pattern l 🗸 🗸 🗸	
9	AI1-CIN9	Emergency sequence stop	001: Emergency sequence l 🔹 🗸	
10	AI1-CIN10	Emergency sequence phase shift 🛛 👻	001: Emergency sequence l 🔹 🗸	
11	AI1-CIN11	Emergency reset 💌	None 🗸	
12	AI1-CIN12	Faihne output receipt 💌		
13	AI1-CIN13	Failure output reset 🔹 💌		
14	AI1-CIN14	External failure input 💌	Failure when turning it off 🛛 🗸 🗸	
15	AI1-CIN15	- 🗸		
16	AI1-CIN16			

Set the functions to be assigned to the control inputs of the SX-2100AI.

The setting procedures are the same as those described in SM Event settings (Function allocations to the SX-2000SM's control inputs) on p. 101.

But it is not possible to assign "Time adjustment" function to the control inputs.
# 12.6. AO Event Settings

Assign functions to the Function keys, Channel keys, and control inputs of the SX-2000AO and SX-2100AO, and local control inputs of the SX-2100AO.

Clicking the [AO event] button on the Event Settings screen displays the AO event settings screen.

<mark>x</mark> SX-200	00 Management to	ool(Superuser)								
<u>F</u> ile <u>V</u> ie	w <u>C</u> ommunication	Help								
Basic setting	s System settings	Surveil- lance settings	Priority settings	Pattern settings	Event ttings	lity				
Syst	tem event	SM event	AI even	ıt 🔰	AO event	RM event		C	I event	
AO event settings (1) Unit number										
Function k	( <b>3</b> )								(2)	
	Name		Function				Con	tents		
1	AO1-FKEY1		General broadcast	~	001:Ge	eneral pattern l	*		001:Controloutput p	attem l 💌
2	AO1-FKEY2	BGI	M pattern change/end	~	001: E	GM pattern l	*		001: Control output p	attem l 💌
3	AO1-FKEY3	BGI	M pattern change/end	~		End	*			
4	AO1-FKEY4		-	~						
Channel ke	ey <b>(4)</b>									
	Name		Function				Con	tents		
1	AO1-CHKEY1		Channel ON/OFF	*						
2	AO1-CHKEY2		Channel ON/OFF	*						
3	AO1-CHKEY3		Channel ON/OFF	<						
4	AO1-CHKEY4		Channel ON/OFF	*						
5	AO1-CHKEY5		Channel ON/OFF	*						
6	AO1-CHKEY6		Channel ON/OFF	*						
7	AO1-CHKEY7		Channel ON/OFF	*						
8	AO1-CHKEY8		Channel ON/OFF	*						
Control in	<sup>put</sup> (5)									
	Name		Function				Con	tents		
1	AO1-CIN1	Ger	ueral broadcast(Pulse)	*	001: Ge	eneral pattem l	*		001: Control output p	attem l 💌
2	AO1-CIN2	Gen	ieral broadcast(Level)	*	001: Ge	eneral pattem l	~		001:Controloutput p	attem l 🔽
3	AO1-CIN3	BGI	M pattern change/end	*		End	~			
4	AO1-CIN4	Emerge	ncybroadcast pattern	start 💌	001 : Ems	ergency pattern l	*			
5	AO1-CINS		Emergency reset	~	003	: Message3	*		None	~
6	AO1-CIN6	Fa	ailure output receipt	~						
7	AO1-CIN7	F	ailure output reset	~						
8	AO1-CIN8	E	xternal failure input	~	Failure wi	hen turning it off	*			
Local cont	trol input (6)									
	Name	Zonel	Zone2	Zone3	Zone4	ZoneS	Zo:	neб	Zone7	Zone8
1	AO1-LocalInl	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	A01-2	LONE6	A01-ZONE7	A01-ZONE8
2	AO1-LocalIn2	A01-ZONE1	A01-ZONE2	A01-ZONE3	AO1-ZONE4	A01-ZONES	A01-2	LONE6	A01-ZONE7	AO1-ZONE8

### (1) Unit number

Click on the box, or press the right arrow button (increment) or left arrow button (decrement) to select the unit ID number.

#### (2) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other SX-2000AO or SX-2100AO selected by Unit number setting item (1).

## (3) Function key

Function key

	Name	Function	Con	tents
1	AO1-FKEY1	General broadcast 🛛 🗸	001 : General pattem 1 🛛 💙	001 : Control output pattern l 🛛 🗸
2	A01-FKEY2	BGM pattern change/end 🗸 🗸	001: BGM pattern l 🗸 🗸	001: Control output pattern l 🛛 🗸
3	AO1-FKEY3	BGM pattern change/end 🗸 🗸	End	
4	A01-FKEY4	- ~		

Set the names and functions to be assigned to the function keys of the SX-2000AO or SX-2100AO. The setting procedures are the same as those described in AI Event settings (Function allocations to the Function keys on the SX-2000AI and SX-2100AI).

# (4) Channel key

	Name	Function	Contents
1	AO1-CHKEY1	Channel ON/OFF 🗸 🗸	
2	AO1-CHKEY2	Channel ON/OFF	
3	AO1-CHKEY3	Channel ON/OFF 🗸 🗸	
4	AO1-CHKEY4	Channel ON/OFF 🗸 🗸	
5	AO1-CHKEY5	Channel ON/OFF 🗸 🗸	
6	AO1-CHKEY6	Channel ON/OFF 🗸 🗸	
7	AO1-CHKEY7	Channel ON/OFF	
8	AO1-CHKEY8	Channel ON/OFF 🗸 🗸	

Set the names and functions to be assigned to the channel keys of the SX-2000AO or SX-2100AO. The setting procedures are the same as those described in AI Event settings (Function allocations to the Channel keys on the SX-2000AI and SX-2100AI).

### (5) Control input

Control i	nput			
	Name	Function	Con	tents
1	AO1-CIN1	General broadcast(Pulse) 🗸 🗸	001 : General pattern 1 🛛 🗸 🗸	001 : Control output pattern l 🗸 🗸 🗸
2	AO1-CIN2	General broadcast(Level)	001 : General pattern l 🛛 🗸 🗸	001: Control output pattern l 💙
3	AO1-CIN3	BGM pattern change/end 💙	End	
4	AO1-CIN4	Emergency broadcast pattern start 🛛 👻	001: Emergency pattern l 🛛 🗸 🗸	
5	AO1-CINS	Emergency reset 💌	003: Alart Message l 🛛 👻	None
6	AO1-CIN6	Failure output receipt 💙		
7	AO1-CIN7	Failure output reset 🗸 🗸		
8	AO1-CIN8	External failure input 💙	Failure when turning it off 🛛 👻	

Set the names and functions to be assigned to the control inputs of the SX-2000AO or SX-2100AO.

The setting procedures are the same as those described in SM Event settings (Function allocations to the control inputs of the SX-2000SM).

But it is not possible to assign "Time adjustment" function to the control inputs.

## (6) Local control input (SX-2100AO only)

Local control input

	Name	Zonel	Zone2	Zone3	Zone4	ZoneS	Zone6	Zone7	Zone8
1	AO1-LocalIn1	AO1-ZONE1	AO1-ZONE2	AO1-ZONE3	AO1-ZONE4	A01-ZONES	AO1-ZONE6	AO1-ZONE7	AO1-ZONE8
2	AO1-LocalIn2	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONES	AO1-ZONE6	AO1-ZONE7	AO1-ZONE8

### Checkboxes for zones used

Click the buttons corresponding to the zones to use.

Local Input 1 priority is set to be higher than Local Input 2 and lower than BGM and general broadcast sound sources. Making an emergency broadcast over part of the zones used for local broadcast finishes the local broadcast in the entire zone.

Available Settings Colored (selected), Colorless (not selected, default)

# 12.7. RM Event Settings

Set the functions to be assigned to the Covered keys and Function keys on the RM-200SF, RM-200S, and RM-200SA, and the Function keys on RM-210.

Clicking the [RM event] button on the Event Settings screen displays the RM event settings screen.

<u>S</u> x SX−20	000 Management to	ool(Superuser)				
<u>File V</u>	File Yew Communication Help					
Basi settin	Basic settings       System settings       Surveil-lance settings       Priority settings       Pattern settings       Utility					
Sy	rstem event	SM event AI event	AO event RM event	CI event		
<u>RM ev</u>	vent settings (1)	AII-RM2 AII-AI-	1 ID:2 Model:RM-200SF Type:Emergency	Paste		
Function	key			(2)		
	Name	Function	Co	ntents		
EMG	EMGKEY	Emergency broadcast pattern start 🛛 🗸 🗸	001: Emergency pattern l 🗸 🗸			
SYS1	SYSKEY1	General broadcast 💌	001: General pattern 1 🗸 🗸 🗸	001: Control output pattern l		
SYS2	SYSKEY2	BGM pattern change/end 👻	001: BGM pattern l 🗸 🗸	001: Control output pattern 1 🗸 🗸		
SYS3	SYSKEY3	BGM pattern change/end 💙	End			
1	KEYI	Zone selection(Pattern)	None 🗸			
2	KEY2	Zone selection(Individual)	A01-ZONE1 🗸	None		
3	КЕҮЗ	Zone selection(Individual)	A01-ZONE2	None		
4	KEY4	Zone selection clear 🛛 👻				
5	KEYS	General EV message start/end 💌	004: sign0001 🗸			
6	KEY6	RM broadcast status 💌	AI1-RM1 🗸			
7	KEY7	Emergency reset	None			
8	KEY8					
9	KEY9	Faibure output reset				
10	KEY10	Lamp test 🗸 🗸				
				.::		

### (1) Unit name

Click on the box or press the arrow button to select the desired RM-200SF, RM-200S, or RM-200SA. Function keys of the RM-210 are also displayed on the screen when the remote microphone to which the RM-210 is connected is selected.

See "System Settings  $\rightarrow$  RM-200SF, RM-200S, and RM-200SA  $\rightarrow$  Number of RM-210 units" on p. 56 and p. 60.

### (2) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other RM-200SF, RM-200S, or RM-200SA selected by Unit number setting item (1).

# 12.7.1. RM-200SF

When the remote microphone selected from the "Name" pull-down menu is the RM-200SF, its setting screen below is displayed.

Function	( <b>1</b> )	(2)	(3)	(4)
	Name	Function	Con	tents
EMG	EMGKEY	Emergency broadcast pattern start 💌	001 : Emergency pattern l 💉	
SYS1	SYSKEY1	Emergency broadcast pattern stop 💉	001: Emergency pattern l 💉	
SYS2	SYSKEY2	Emergency sequence phase shift 🛛 👻	001: Emergency sequence 1	
SYS3	SYSKEY3	Emergency reset 👻	002: sign0003	001: Control output pattern l 💉



# (1) Name

Enter the names of the keys of the RM-200SF and RM-210.

Available Settings	Up to 32 alphanumeric characters. (default: EMGKEY for the Emergency key,
	SYSKEY 1 – 3 for the Function keys)

### (2) Function

Select functions to be assigned to the keys of the RM-200SF and RM-210. If the selected function needs particular settings, they are displayed on the "Contents."

Available Settings	None (default), Zone selection (Pattern), Zone selection (Individual), Zone selection clear, BGM pattern change/end*, General broadcast*, RM broadcast status, Lamp test
	* Corresponding patterns must be created in advance to select these items.
	<ul> <li>If the "Type" of the sound source registered in the System Manager of "System Settings" (p. 44) is set to "General," the following functions can be selected. General EV message start/end</li> </ul>
	<ul> <li>Following functions can be selected when the "Emergency broadcasting function" has been set to "Used" in the "Basic Settings."</li> </ul>
	Emergency broadcast pattern start, Emergency broadcast pattern stop, Emergency sequence stop, Emergency sequence phase shift, Emergency reset
	<ul> <li>Following functions can also be selected when the Surveillance function has been set to "Used" in the "Basic Settings."</li> <li>Failure output receipt, Failure output reset</li> </ul>

Note: Only the "Emergency broadcast pattern start" function can be assigned to the Emergency key ("EMGKEY").

# [If Zone selection (Pattern) is selected for "Function"]

### (3) Contents (left side)

Select the output zone pattern to be assigned to the keys on the RM-200SF or RM-210. Set the output pattern using "Pattern settings  $\rightarrow$  Output zone pattern settings" (p. 77). If the output zone pattern is set to "None," then it is not possible to set "Control output pattern" (next item).

Available Settings	None (default), Set output zone pattern
5	

### (4) Contents (right side)

Select the control output pattern that operates in synchronization with the function keys on the RM-200SF or RM-210.

Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings None (default), Set control output pattern

# [If Zone selection (Individual) is selected for "Function"]

### (3) Contents (left side)

Select the output zone (individual) to be assigned to the keys on the RM-200SF or RM-210. Set the output zone using "System settings  $\rightarrow$  Audio output unit" (p. 61).

If the output zone (individual) is set to "None," then it is not possible to set "Control output pattern" (next

item).

Available Settings None (default), Set output zone (individual)

### (4) Contents (right side)

Select the control output pattern that operates in synchronization with the keys on the RM-200SF or RM-210.

Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings None (default), Set control output pattern

### [If "General broadcast" is selected for "Function" ]

#### (3) Contents (left side)

Select the general broadcast pattern to be assigned to the keys on the RM-200SF or RM-210. Set the broadcast pattern using "Pattern settings  $\rightarrow$  General broadcast pattern settings" (p. 79). Setting the broadcast pattern to "None" and "Control output pattern" (next item) permits only the control output to be operated in synchronization with the control input.

Available Settings None (default), Set general broadcast pattern
--

### (4) Contents (right side)

Select the control output that operates in synchronization with the keys on the RM-200SF or RM-210. Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings	None (default), Set control output pattern
--------------------	--

# [If "BGM pattern change/end" is selected for "Function" ]

### (3) Contents (left side)

Select the BGM broadcast pattern to be assigned to the keys on the RM-200SF or RM-210. Set the BGM pattern using "Pattern settings  $\rightarrow$  BGM pattern settings" (p. 78). If the broadcast pattern is set to "End," then it is not possible to set "Control output pattern" (next item).

Available Settings	End (default), Set BGM broadcast pattern
--------------------	--

### (4) Contents (right side)

Select the control output that operates in synchronization with the keys on the RM-200SF or RM-210. Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings None (default), Set control output pattern

# [If "RM broadcast status" is selected for "Function" ]

#### (3) Contents (left side)

Set the RM-200SF or RM-210 remote microphone function keys to select which remote microphone broadcast conditions to monitor. When a broadcast is in progress at the selected remote microphone, the broadcast status indicator corresponding to the function key lights.

Available Settings	Set remote microphone (Default: the lowest unit number remote microphone
	connected to the lowest unit number SX-2000AI or SX-2100AI).

# [If "General EV message start/end" is selected for "Function" ]

#### (3) Contents (left side)

Select the general EV message to be activated with RM-200SF or RM-210 key operation.

Use the "System settings  $\rightarrow$  SX-2000SM" (p. 46 "Registering sound sources") to register the general EV message.

Settings cannot be performed unless the general EV message has been registered.

Available Settings	Set general EV message (Default: the lowest sound source number message of
	all set general EV messages)

### [If "Emergency broadcast pattern start" is selected for "Function" ]

### (3) Contents (left side)

Select the emergency broadcast pattern to be activated by the keys on the RM-200SF or RM-210. Set the emergency broadcast pattern using "Pattern settings  $\rightarrow$  Emergency broadcast pattern settings" (p. 83).

Available Settings	None (default), Set emergency broadcast pattern
--------------------	---

# [If "Emergency broadcast pattern stop" is selected for "Function" ]

### (3) Contents (left side)

Select the emergency broadcast pattern to be stopped by the keys on the RM-200SF or RM-210. Set the emergency broadcast pattern using "Pattern settings  $\rightarrow$  Emergency broadcast pattern settings" (p. 83).

Available Settings Set emergency broadcast pattern (default: Pattern 1)

# [If "Emergency sequence stop" is selected for "Function" ]

#### (3) Contents (left side)

Select the emergency sequence to be stopped by the keys on the RM-200SF or RM-210. Set the emergency sequence using "Pattern settings  $\rightarrow$  Emergency sequence settings" (p. 82).

Available Settings Set emergency sequence (default: Sequence 1)

### [If "Emergency sequence phase shift" is selected for "Function" ]

### (3) Contents (left side)

Select the emergency sequence to be shifted to by the keys on the RM-200SF or RM-210. Set the emergency sequence using "Pattern settings  $\rightarrow$  Emergency sequence settings" (p. 82).

Available Settings Set emergency sequence (default: Sequence 1)

# [If "Emergency reset" is selected for "Function" ]

### (3) Contents (left side)

Select the EV message (Type: Reset) to be broadcast by the keys on the RM-200SF or RM-210. Set the EV message using "System settings  $\rightarrow$  System Manager  $\rightarrow$  EV Message" (p. 45). If the EV message is set to "None," it is not possible to set "Control output pattern" (next item).

Available Settings None (default), Set EV message

#### (4) Contents (right side)

Select the control output pattern that operates in synchronization with the keys on the RM-200SF or RM-210.

Set the control output pattern using "Pattern settings  $\rightarrow$  Control output pattern settings" (p. 81).

Available Settings None (default), Set control output pattern

### [If "Failure output receipt" is selected for "Function" ]

### (3) Contents (left side)

Select the failure output pattern to be assigned to the keys on the RM-200SF or RM-210. Set the failure output pattern using "Pattern settings  $\rightarrow$  Failure output pattern settings" (p. 85).

Available Settings Set failure output pattern (default: Failure output pattern 1)

### 12.7.2. RM-200S, RM-200SA

When the remote microphone selected from the "Name" pull-down menu is the RM-200S or RM-200SA, its setting screen below is displayed.

Function	. key (1)	(2)	(3)	(4)
	Name	Function	Con	tents
EMG	EMGKEY	Emergency broadcast pattern start 🛛 👻	001 : Emergency pattern l 🛛 👻	
SYS1	SYSKEY1	General broadcast 🛛 🗸	001 : General pattern l 🛛 🗸 🗸	001 : Control output pattern l 🛛 🗸
SYS2	SYSKEY2	BGM pattern change/end 💙	001:BGM pattern l 💌	001: Control output pattern l 🗸 🗸
SA23	SYSKEY3	BGM pattern change/end 💙	End 💌	
1	KEY1	Zone selection(Pattern) 🗸 🗸	None	
2	KEY2	Zone selection(Individual)	A01-ZONE1 💌	None
3	КЕҮЗ	Zone selection(Individual)	A01-ZONE2	None
4	KEY4	Zone selection clear 🗸 🗸 🗸		
5	KEY5	General EV message start/end 💌	004: sign0001 🗸	
6	KEY6	RM broadcast status 💌	AII-RM1 💌	
7	KEY7	Emergency reset 🗸 🗸	None	
8	KEY8	Faibure output receipt 🗸 🗸	001 : Failure output pattern l 🛛 🗸	
9	КЕҮ9	Failure output reset 🗸 🗸		
10	KEY10	Lamp test 🗸 🗸		



# RM-210 top



## (1) Name

Set the names of the keys of the RM-200S, RM-200SA, and RM-210.

Available Settings	Up to 32 alphanumeric characters. (default: EMGKEY for the Covered key,
	SYSKEY 1 – 3 for the Function keys on the left, KEY 1 – 10 for the Function keys
	on the right)

# (2) Function

Select functions to be assigned to the Covered key and Function keys on the RM-200S and RM-200SA, and the Function keys on RM-210\*.

If the selected function needs particular settings, they are displayed on the "Contents."

\* Assignable functions to the RM-210 differ depending on the type of remote microphone the RM-210 is connected to. The same functions as those assigned to the remote microphone (RM-200SA or RM-200S) can be assigned to the RM-210.

Available Settings	None (default), Zone selection (Pattern), Zone selection (Individual), Zone selection clear, BGM pattern change/end*1, General broadcast*1, RM broadcast status, Lamp test*2 *1 Corresponding patterns must be created in advance to select these items. *2 RM-200SA only
	<ul> <li>Following functions are available when the emergency broadcasting function is set to "Used" in the "Basic Settings" and the type of RM-200SA set to "Emergency/General" in the "System Settings." Emergency broadcast pattern start, Emergency broadcast pattern stop, Emergency sequence stop, Emergency sequence phase shift, Emergency reset</li> <li>Following function can also be selected when the Surveillance function has been set to "Used" in the "Basic Settings." Failure output receipt, Failure output reset</li> </ul>

### Notes

• Only the "Emergency broadcast pattern start" function can be assigned to the covered key.

- Pressing the covered key allows the General urgency all-call broadcast (All zone broadcast by way of analog transmission not via the Software control) to be made regardless of whether the function of the covered key is set to "None" or "Emergency broadcast pattern start" on this Setting Software. For details, refer to the separate Operation Manual, "Making General Urgency All-calls."
- The setting procedures for the Function (2) and contents (3) and (4) are the same as those described on RM-200SF settings (p. 113).

# 12.8. CI Event Settings

Assign functions to the SX-2000CI's control inputs.

Clicking the [CI event] button on the Event Setting screen displays the CI event settings screen.

SX-2000 Management tool(Superuser)											
<u>F</u> ile	<u>V</u> iew <u>C</u> ommunication	Help									
Ese	Basic settings       System settings       Surveillance settings       Priority settings       Pattern settings       Utility										
	System event	SM event AI event	AO event RM event	CI event							
<u>CI (</u>	CI event settings (1) AOI-CII AOI-I D:1 Copy										
Cont	Control input (2)										
	Name	Function	Cont	tents ^							
1	AO1-CI-1	General broadcast(Pulse) 🛛 🗸	001: General pattern l 💌	001: Control output pattern l							
2	A01-CI-2	General broadcast(Level)	001: General pattern l 🔽	001: Control output pattern l							
3	A01-CI-3	BGM pattern change/end 👻	001: BGM pattern l 🗸 🗸	001: Control output pattern l							
4	AO1-CI-4	BGM pattern change/end 👻	End								
S	A01-CI-S	-									
6	AO1-CI-6	-									
7	AO1-CI-7	Emergency broadcast pattern start 👻	001: Emergency pattern l								
8	AO1-CI-8	Emergency broadcast pattern stop 👻	001: Emergency pattern l								
9	AO1-CI-9	Emergency sequence stop	001: Emergency sequence 1								
10	0 A01-CI-10	Emergency sequence phase shift 🛛 👻	001: Emergency sequence 1								
11	1 A01-CI-11	Emergency reset 💌	None								
12	2 A01-CI-12	Failure output receipt 🕑									
13	3 A01-CI-13	Failure output reset									
14	4 A01-CI-14	External failure input	Failure when turning it off								
15	AO1-CI-15	-									
16	6 AO1-CI-16	-									
13	7 A01-CI-17	-									
18	AO1-CI-18	-									
19	9 A01-CI-19										
20	A01-CI-20										

### (1) Name

Click on the box or press the arrow button to selects the desired SX-2000CI's name.

### (2) Control input

The setting procedures are the same as those described in SM Event settings (Function allocations to the SX-2000SM's control inputs.).

But it is not possible to assign "Time adjustment" function to the control inputs.

#### (3) Copy and Paste buttons

Pressing the [Copy] button copies all of the on-screen settings except the names preset by default. Pressing the [Paste] button pastes the copied parameters in the same setting screen of other SX-2000Cl selected by Name (1).

# 13. UTILITY

Clicking the menu item [Utility] button displays the Utility screen.

Not only does this screen allow logs to be acquired online, it can also display the following: log files, system status, audio input and output statuses, and control input and output statuses.

### Note

To carry out functions other than log file displays, communications must be established between the SX-2000SM and the PC in advance. For details, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."



Pressing each button (1 - 5) displays the corresponding setting screen.

### (1) Log file button

Displays the CF card's log status and outputs log data. (Refer to p. 121)

# (2) Online log button

Displays log data online. (Refer to p. 125)

### (3) System status button

Displays system configuration or failure status online. (Refer to p. 128)

#### (4) Audio in/out status button

Displays audio input and output status online. (Refer to p. 147)

### (5) Control in/out status button

Displays control input and output status online. (Refer to p. 151)

# 13.1. Log File Display

Pressing the [Log file] button on the Utility screen displays the log file screen.

SX-20	000 Management	tool(Superuser)								
<u>F</u> ile <u>V</u> i	iew <u>C</u> ommunication	Help								
Basi settin	ic igs	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility				
	Log file	Online log	Syste	em status	Audio in/out state	s Control in/o	ut status			
Re	ead log file	Save log file			~					
No.	Y/M/D h:m:s	Mode	Kind	Equipment	Address	Factor	Function	Action	Contents 1	Contents 2
1										
2										
4										
5										
6										
7										
8										
9										
10										
12		-								
13										
14										
15										
16										
17										
18										
19					+					
20					+			+		
22										
23										
					•			•		·

SX-2000 system's operation logs can be saved to a CF card in the "s2l" file format and such saved logs can be displayed using the Setting Software. It is also possible to output the displayed log data in the form of an Excel CSV file.

There are two types of log data: Operation log data that include all logs and Failure log data that include only failure logs.

Operation log data saved to a CF card is automatically assigned the file name "Sx2kOp\*\*.s2l," and similarly failure log data is assigned the file name "Sx2kFa\*\*.s2l." The (\*\*) represents a number from 00 to 99 indicating the order in which the logs have been saved. If more than 100 files are saved, the oldest file (those with lower numbers) is automatically overwritten. Therefore, judge whether the file is new or old from the date of the file. A maximum number of logs that can be displayed are 1,000 for the operation logs and 100 for the failure logs.

Regarding the method of saving the SX-2000SM's histories to a CF card, see the separate Operating Instructions.

### 13.1.1. Reading the log file

When log data is not displayed on the log file screen or when it is desirable to display other log data stored in a different folder from that in which the currently displayed log data is stored, read the log file (.s2l) in the following procedure.

	Step	1.	Press the	[Read log	, file	] button	on the	log f	file di	splay	screer
--	------	----	-----------	-----------	--------	----------	--------	-------	---------	-------	--------

🛐 SX-2000 Management t	ool(Superuser)								
<u>F</u> ile <u>V</u> iew <u>C</u> ommunication	<u>H</u> elp								
Basic settings       System settings       Surveil lance settings       Priority settings       Pattern settings       Event settings       Utility									
Log file         Online log         System status         Audio in/out status         Control in/out status									
Read log file									
No. Y/M/D htmts	Mode	Kind	Equipment	Address	Factor	F			
1									
2									
3									

An "Open" dialog is displayed.

Choose file								? 🛛
Look jn:	🚞 Operate		~	0	ø	1		
My Recent Documents Desktop My Documents My Computer	Image: Scale of the second s	S:22(0)F15:21           S:22(0)F15:21           S:22(0)F13:21           S:22(0)F13:21           S:22(0)F13:21           S:22(0)F13:21           S:22(0)F13:21           S:22(0)F13:21           S:22(0)F13:21           S:22(0)F23:21           S:22(0)F23:21           S:22(0)F23:21           S:22(0)F23:21           S:22(0)F23:21           S:22(0)F23:21           S:22(0)F23:21           S:22(0)F23:21           S:22(0)F23:21           S:22(0)F23:21	Im         Sx2kOp294           Im         Sx2kOp304           Im         Sx2kOp314           Im         Sx2kOp324           Im         Sx2kOp324	521 521 521 521				
	File <u>n</u> ame:					~	(	<u>O</u> pen
My Network	Files of type:	s2l files (*.s2l)				*	(	Cancel

**Step 2.** Designate the folder where the log file is saved, and select the file, then press the [Open] button. Log data is displayed on the log file display screen.

Sx-:	2000 Management t	ool(Superuser)						
<u>F</u> ile	<u>View</u> <u>Communication</u>	Help						
Ba sett	ings System	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility		
	Log file	Online log	Syst	em status	kudio in/out state	s Controlin/o	at status	
	Read log file	Save log file	2009/02/1	612:00:12 Sx2kOp08.4	21 🔽			
No.	Y/M/D himis	Mode	Kind	Equipment	Address	Factor	Function	Action
1	2009/02/16 11:29:24	Initialization	Event	SM				Reset
2	2009/02/16 11:29:27	Initialization	Event	System			Initialization mode	
3	2009/02/16 11:30:18	Initialization	Event	SM KEY			Failure output receipt	On
4	2009/02/16 11:30:27	Normal	Faibure	AO	A021	SM-AO	Connected confirmation error	Occurrence(NG)
S	2009/02/16 11:30:27	Normal	Event	System			Normal mode	
6	2009/02/16 11:42:53	Maintenance	Event	System			Maintenance mode	
7	2009/02/16 11:45:45	Normal	Event	System			Normal mode	
8	2009/02/16 11:51:28	Normal	Event	System			Unit settings	Data save
9	2009/02/16 11:51:28	Normal	Event	System			Log	Data save
10	2009/02/16 11:51:33	Maintenance	Event	System			Maintenance mode	
11	2009/02/16 11:51:42	Normal	Event	System			Normal mode	
12	2009/02/16 12:00:00	Normal	Event	System			Log	Data save
13	2009/02/16 12:00:12	Normal	Event	SM				Remote reset
14	2009/02/16 12:00:12	Normal	Event	System			Log	Data save
<								
								Connection .:

The date, time and filename of the read log file are displayed.

S	sx-	2000 Management t	ool(Superuser)					
	<u>F</u> ile	View <u>C</u> ommunication	<u>H</u> elp					
	Ba sett	asic tings System settings	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility	
		Log file	Online log	Syste	em status A	audio in/out statu	s Control in/o	ut status
		Read log file	Save log file	2009/02/1	612:00:12 Sx2kOp08.s	21		
	No.	Y/M/D himis	Mode	Kind	Equipment	Address	Factor	
	1	2009/02/16 11:29:24	Initialization	Event	SM			
	2	2009/02/16 11:29:27	Initialization	Event	System			Initia
	3	2009/02/16 11:30:18	Initialization	Event	SM KEY			Faibure
	4	2009/02/16 11:30:27	Normal	Failure	AO	A021	SM-AO	Connected
	5	2009/02/16 11:30:27	Normal	Event	System			No

Opening the pull-down menu displays an at-a-glance list of all log files stored in the same folder in order of updated time.

The log file can be switched by selecting another file.



### Note

Restart from Step 1 to display other log data stored in a different folder from that in which the currently displayed log data is stored.

#### 13.1.2. Saving the log file

Log data displayed on the log file display screen can be saved as a CSV-format file in the following procedure.

Step 1. Press [Save log file] button.

S	sx-	2000 Management t	ool(Superuser)					
	<u>F</u> ile	View <u>C</u> ommunication	<u>H</u> elp					
	Ba sett	ings System	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility	
		Log file	Online log	Syste	em status	ludio in/out stati	s Control in/o	ut status
		Read log file	Save log file	2009/02/1	612:00:12 Sx2kOp08.s	21 🗸		
	No.	Y/M/D himis	Mode	Kind	Equipment	Address	Factor	Fu
	1	2009/02/16 11:29:24	Initialization	Event	SM			
	2	2009/02/16 11:29:27	Initialization	Event	System			Initializ
	3	2009/02/16 11:30:18	Initialization	Event	SM KEY			Faibure o
	4	2009/02/16 11:30:27	Normal	Faibure	AO	A021	SM-AO	Connected co

A "Save As" dialog is displayed.

Save As						? 🛛
Save in:	🗀 SX-2000		~	3 🕫	📂 🖽	,
My Recent Documents						
Desktop						
My Documents						
Wy Computer						
<b></b>	File <u>n</u> ame:	Sx2kOp01.CSV			~	<u>S</u> ave
My Network	Save as <u>t</u> ype:	csv files (*.csv)			*	Cancel

Step 2. Using the "Save in" pull-down menu, select the folder where the log file is to be saved.

Step 3. Set a "File name."

Note

The filename "(Read filename).csv" is set by default. When changing the filename, be sure to add a filename extension (csv).

Example: 0605 log file.csv

### Step 4. Press the [Save] button.

The "Save as" dialog is closed after the log data has been saved.

# 13.2. Online Log Confirmation

SX-2000 system operation and failure logs can be confirmed in real time.

Step 1. Establish communications between the SX-2000SM and the PC installed with the SX-2000 software. For the procedure for establishing communications, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."

The "Connection" indication is displayed in the lower right corner of the screen after the connection is completed.

Step 2. Press the [Online log] button on the Utility screen.

Sx sx-	-2000 Management t	ool(Superuser)					
<u>F</u> ile	<u>V</u> iew <u>C</u> ommunication	<u>H</u> elp					
B	asic titings	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility	
	Log file	Online log	Syste	em status 🛛 🛛 🗛	udio in/out statu	s Control in/or	ut status
	Stop	Save log file	]				
No.	Y/M/D h:m:s	Mode	Kind	Equipment	Address	Factor	
1							
2							
3							

Logs are displayed in time sequence.

If a new operation or failure takes place, the logs are automatically updated and displayed.

S <sub>X</sub>	sx-2	2000 Management t	ool(Superuser)					
F	jile	<u>V</u> iew <u>C</u> ommunication	<u>H</u> elp					
	Ba sett	sic ings System settings	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility	
		Log file	Online log	Syste	em status	Audio in/out statu	s Control in/o	ut status
		Stop	Save log file	]				
	No.	Y/M/D himis	Mode	Kind	Equipment	Address	Factor	
	1	2009/01/26 09:08:03	Initialization	Event	SM			
	2	2009/01/26 09:08:11	Initialization	Event	System			Initia
	3	2009/01/26 09:09:21	Normal	Event	System			No
	4	2009/01/26 09:16:18	Maintenance	Event	System			Main
	5	2009/01/26 09:16:28	Normal	Event	System			No

Step 3. To cause a log display update to pause, press the [Stop] button.

S <sub>X</sub>	sx-	2000 Management t	ool(Superuser)					
	<u>F</u> ile	View <u>C</u> ommunication	<u>H</u> elp					
	Ba sett	ings System	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility	
		Log file	Online log	Syste	em status	Audio in/out statu	s Control in/or	ut status
(		Stop	Save log file	]				
	No.	Y/M/D himis	Mode	Kind	Equipment	Address	Factor	
	1	2009/01/26 09:08:03	Initialization	Event	SM			
	2	2009/01/26 09:08:11	Initialization	Event	System			Initia
	3	2009/01/26 09:09:21	Normal	Event	System			No
	4	2009/01/26 09:16:18	Maintenance	Event	System			Main
	5	2009/01/26 09:16:28	Normal	Event	System			Nc

The [Stop] button changes to the [Update] button, allowing the [Save log file] button to be used.

Step 4. To display the log again, press the [Update] button.



### 13.2.1. Saving log files acquired online

Log files displayed on the online log screen can be saved as a CSV-format file in the following procedure.

Step 1. Press [Save log file] button.



A "Save As" dialog is displayed.

Save As					? 🔀
Save jn	🗀 SX-2000		~	G 🟚 🖻	•
My Recent Documents Desktop					
My Documents					
My Computer					
	File <u>n</u> ame:	Sx2kLog1.CSV		~	<u>Save</u>
My Network	Save as type:	csv files (*.csv)		~	Cancel

Step 2. Using the "Save in" pull-down menu, select the folder where the log file is to be saved.

### Step 3. Set a "File name."

#### Note

The filename "Sx2kLog1.csv" is set by default. When changing the filename, be sure to add a filename extension (csv).

#### Step 4. Press the [Save] button.

The "Save as" dialog is closed after the log data has been saved.

# 13.3. System Status Display Confirmation

Pressing the [System status] button on the Utility screen displays the system status display screen, allowing the following information to be confirmed in real time:

- SX-2000SM, SX-2000AI, SX-2100AI, SX-2000AO, SX-2100AO, SX-2000CI, SX-2000CO, RM-200S, RM-200SA and RM-210
  - · Individual unit's setting and connection status
  - $\cdot$  Individual unit's operation mode and failure status
  - $\cdot$  Individual unit's version information
- Failure status of amplifiers, speaker lines and power supply (when the SX-2100AO Audio Output Unit is used)
- Step 1. Establish communications between the SX-2000SM and the PC installed with the SX-2000 software. For the procedure for establishing communications, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."

The "Connection" indication is displayed in the lower right corner of the screen after the connection is completed.

Step 2. Press the [System status] button on the Utility screen.

SX	sx-2	2000 Management t	ool(Superuser)					
	<u>F</u> ile	<u>V</u> iew <u>C</u> ommunication	<u>H</u> elp					
	Ba sett	sic ings System settings	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility	
		Log file	Online log	Syst	em status	Audio in/out statu	IS Control in/or	ut status
		Stop	Save log file	]				
	No.	Y/M/D himis	Mode	Kind	Equipment	Address	Factor	
	1							
	2							
	3							

The system status display screen is displayed.

SX-2000	Management to	ool(Superuser)					
Basic settings	System settings	Surveil- lance settings	iority ttings	Event settings	Utility		
Log f	file	Online log	System status	Audio infout sta	utus Control is	n/out status	
SM							
AI							
¥0							

System status information is automatically acquired.

🛐 SX-2000 Management tool 🛛 🔀
Receiving system status
Please wait a moment
Flease wai a moment.
Close

After information receipt is completed, the current system status is displayed on the system status display screen.

After the system status information has been acquired, the latest system status is automatically updated and displayed.

Basic ettings	System settings	Surveil- lance settings	iority ttings	t s	Utility			
Log f	le	Online log	System status	Audio in/out sta	atus Controli	in/out status		
SM	Error	]						
	1	2	3	4	S	6	7	8
AI	Correct	Difference	Difference	Difference	Difference	Difference	Difference	Correct
-	1	2	3	4	S	6	7	8
	Error	Correct	Difference	Difference	Correct	Difference	Enor	Error
	9	10	11	12	13	14	15	16
	Error	Enor	Correct	Correct	Correct	Correct	Correct	Correct
AO I	17	18	19	20	21	22	23	24
	Correct	Difference	Difference	Difference	Difference	Connect	Correct	Correct
	25	26	27	28	29	30	31	32
		Connet	Correct	Correct	Correct	Correct	Correct	Error
	Correct	Conect						

### 13.3.1. System status display screen

Each unit's status is displayed on its corresponding button, and clicking on a button displays its detailed information screen.

(Buttons for units that have not been set for connection cannot be selected.)

Two or more detailed information screens can be displayed (for the number of units set for connection).

The system status can be updated even when the detailed information screen is displayed.

### Note

"SM" stands for the SX-2000SM System Manager, "AI" stands for the SX-2000AI and SX-2100AI Audio Input Units and "AO" stands for the SX-2000AO and SX-2100AO Audio Output Units.



# 1. SM



Displays the SX-2000SM's system status.

Clicking the button displays the detailed information screen (SM Unit screen). (Refer to p. 133 "SM unit screen")

On-button indication	System status
(Blank)	No connection settings.
Normal	Normal operating conditions.
Power failure (N)	Operating on the VX-2000DS' backup power supply.
Emergency	Emergency broadcast in progress.
Power failure (E)	Emergency broadcast in progress using the VX-2000DS' backup power supply.

On-button indication	System status
CF card error	CF card irregularities detected: • CF card not inserted. • Cannot read the CF card since the SX-2000SM's DIP switch 2 is set to ON. • No setting data. • Cannot read setting data. • No EV message data. • EV message data irregularities detected. • Insufficient space available on CF card. • CF card has failed.
Maintenance	Operating in maintenance mode. • The SX-2000SM's DIP switch 2 is set to ON. • CF card not inserted.
Initialization	Initialization in progress.
CPU off	The system is in the CPU off state. Since the RM-200S, RM-200SA, RM-210, SX-2000CI and SX-2000CO are reset in the CPU off state, they are disconnected.
Emergency cutoff	One of the SX-2000AO units is in the emergency mode that cuts off 24V DC to allow emergency broadcasts to go through.
Error	The SX-2000SM has failed.

[Button indication priorities when multiple statuses occur simultaneously]

- (High) Emergency cutoff
  - CPU off CF card error, Maintenance
  - Error
- (Low) Normal, Power failure (N), Emergency, Power failure (E), Initialization

# 2. AI



Displays SX-2000AI or SX-2100AI system status.

A number represents the unit number of the SX-2000AI or SX-2100AI that has been set for connection. Clicking the button displays the detailed information screen (AI unit screen).

(Refer to p. 136 "AI unit screen")

On-button indication	System status
(Blank)	No connection setting.
Correct	The SX-2000AI or SX-2100AI is operating correctly. (Preprogrammed units match actually connected units.)
Error	The SX-2000AI, SX-2100AI, RM-200S, RM-200SA or RM-210 has failed.
Difference	Preprogrammed units do not match actually connected units.

[Button display priorities when multiple statuses simultaneously occur]

Error > Difference > Correct

# 3. AO

	1	2	3	4	5	6	7	8
	Error	Correct	Difference	Difference	Correct	Difference	Error	Error
	9	10	11	12	13	14	15	16
	Error	Error	Correct	Correct	Correct	Correct	Correct	Correct
AO	17	18	19	20	21	22	23	24
	Correct	Difference	Difference	Difference	Difference	Correct	Correct	Correct
	25	26	27	28	29	30	31	32
	Correct	Correct	Correct	Correct	Correct	Correct	Correct	Error

Displays SX-2000AO or SX-2100AO system status.

A number represents the unit number of the SX-2000AO or SX-2100AO that has been set for connection. Clicking the button displays the detailed information screen (AO unit screen). (Refer to p. 141 "AO unit screen")

On-button indicationSystem status(Blank)No connection setting.CorrectThe SX-2000AO or SX-2100AO is operating correctly.<br/>(Preprogrammed units match actually connected units.)Emergency cutoffThe SX-2000AO unit is in the emergency mode that cuts off 24V DC to allow<br/>emergency broadcasts to go through.DifferencePreprogrammed units do not match actually connected units.ErrorThe SX-2000AO, SX-2100AO, SX-2000CI or SX-2000CO has failed.

[Button display priorities when multiple statuses simultaneously occur]

Emergency cutoff > Error > Difference > Correct

## 13.3.2. SM unit screen

Clicking the SM button on the system status display screen displays the SM unit screen.

ſ			
Version	3.00		
Status	Error		
Init failure status			ר
1	Configuration	Status	
DC POWER	Used	Normal	Detail 3
SX LINK	Used	Normal	
Analog LINK1	Used	Normal	
Analog LINK2	Used	Normal	
DS LINKI	Used	Error	Detail
DS LINK2	Unused	-	
ontrol input failure	status		ร
······································	Configuration	Status	
CIN 1	Used	Error	
CIN 2	Used	Error	
CIN 3	Used	Error	
CIN 4	Unused	-	71
CIN 5	Unused	-	1
CIN 6	Used	Normal	1
	Used	Normal	1
CIN 7	lleed	Normal	
CIN 7 CIN 8	0300		

# 1. Unit configuration

Version	3.00
Status	Error

Displays the SX-2000SMs system status.

### Version

Displays the SX-2000SM's firmware version.

# Status

Displays the SX-2000SM's system status or operation mode.

Display	System Status
Normal	Normal operating conditions.
Power failure (N)	Operating on the VX-2000DS' backup power supply.
Emergency	Emergency broadcast in progress.
Power failure (E)	Emergency broadcast in progress using the VX-2000DS' backup power supply.
CF card error	<ul> <li>CF card irregularities detected:</li> <li>CF card not inserted.</li> <li>Cannot read the CF card since the SX-2000SM's DIP switch 2 is set to ON.</li> <li>No setting data.</li> <li>Cannot read setting data.</li> <li>No EV message data.</li> <li>EV message data irregularities detected.</li> <li>Insufficient space available on CF card.</li> <li>CF card has failed.</li> </ul>

Display	System Status
Maintenance	Operating in maintenance mode. • The SX-2000SM's DIP switch 2 is set to ON. • CF card not inserted.
Initialization	Initialization in progress.
CPU off	The system is in the CPU off state.
Emergency cutoff	One of the SX-2000AO units is in the emergency mode that cuts off 24V DC to allow emergency broadcasts to go through.
Error	The SX-2000SM has failed.

[Button indication priorities when multiple statuses occur simultaneously]

(High) Emergency cutoff

- CPU off
- CF card error, Maintenance
- Error

(Low) Normal, Power failure (N), Emergency, Power failure (E), Initialization

# 2. Unit failure status

	Configuration	Status
DC POWER	Used	Normal
SX LINK	Used	Normal
Analog LINK1	Used	Normal
Analog LINK2	Used	Normal
DS LINK1	Used	Error
DS LINK2	Unused	-

Displays the SX-2000SM's failure status. Indicated items are DC power, SX link, Analog link and DS link.

Configuration	Displays the "Used" indication when the failure check function is in operation and the "Unused" indication when the function is not in operation.
Status	Displays failure status. Displays the "Normal" indication for normal conditions and the "Error" indication or the cause of failure in the event of irregularities. Displays the " – " indication when the failure check function is not in operation.

### 3. DC Power detail button

Clicking this button displays the DC power detail screen.

Displays the DC power and fuse status.

The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation. Clicking the [Close] button closes the DC power detail screen.

# 4. DS Link detail button

Note: This button is used when the VX-2000DS has been connected.

Clicking this button displays the DS Link detail screen.

🋐 Unit SM – DS LINK status			
	DS LINK 1	DS LINK 2	
Connection	Error	-	
AC Power	-	-	
Charger circuit	-	-	
Battery	-	-	
DC Power	-	-	
	Close		

Displays cable connection, AC power supply, battery, and DC power supply statuses.

The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation.

Clicking the [Close] button closes the DS Link detail screen.

# 5. Control input failure status

	Configuration	Status
CIN 1	Used	Error
CIN 2	Used	Error
CIN 3	Used	Error
CIN 4	Unused	-
CIN 5	Unused	-
CIN 6	Used	Normal
CIN 7	Used	Normal
CIN 8	Used	Normal

Displays the control input failure status.

Configuration	Displays the "Used" indication when the failure check function is in operation and the "Unused" indication when the function is not in operation.
Status	Displays failure status. Displays the "Normal" indication for normal conditions and the "Error" indication or the cause of failure in the event of irregularities. Displays the " – " indication when the failure check function is not in operation.

### 6. Close button

Clicking this button closes the SM unit screen.

# 13.3.3. Al unit screen

Clicking the AI button on the system status display screen displays the AI unit screen.

ST Un it	AI-8								2	X
Unitco	onfiguration					ור	Unit failure status	(	4)	
Å.		Configuration	Current	Status	Version			Configuration	Status	
$\Psi$	Link	Set	Connect	Link	3.00		DC POWER	Used	Normal	Detail (5)
	Туре	SX-2100AI	SX-2100AI	Correct			SX LINK	Used	Link-A error	
							Analog LINK	Used	Normal	
Slot co	onfiguration									
6	,	Configuration	Current	Status	,		KM failure status			
	Slot 1	SX-200RM	SX-200RM	Correct				Configuration	Status	
	Slot 2	SX-200RM	None	Difference		(	S RM I	Used	Error	า
	Slot 3	SX-200RM	SX-200RM	Correct		Ĩ	RM 2	Used	Error	
IL	Slot 4	SX-200RM	SX-200RM	Correct			RM 3	Used	Error	
	<b>a</b>				-		RM 4	Used	Error	
KM co:	nfiguration						RM S	Used	Normal	Detail
6		Configuration	Current	Status	Version		RM 6	Used	Normal	
િ	RM 1	RM-200SA	None	Difference	-		RM 7	Used	Normal	
	RM 2	RM-200SA	RM-200SA	Correct	2.00		RM 8	Used	Normal	J
	RM 3	RM-200SA	None	Difference	-	_  '				
	RM 4	RM-200SA	None	Difference	-					
	RM S	RM-200SA	RM-200SA	Correct	2.00					
	RM 6	RM-200SA	RM-200SA	Correct	2.00					
	RM 7	RM-200SA	RM-200SA	Correct	2.00					
	RM 8	RM-200S	RM-200S	Correct	1.50					
					Close		8)			

# 1. Unit configuration

	Configuration	Current	Status	Version
Link	Set	Connect	Link	3.00
Туре	SX-2100AI	SX-2100AI	Correct	

# • Link

Displays the SX-2000AI or SX-2100AI system status.

Configuration	Displays connection setting information. • Set: Connection settings performed. • None: No connection settings performed.		
Current	Displays actual connection status. • Connect: The SX-2000AI or SX-2100AI is connected. • Disconnect: The SX-2000AI or SX-2100AI is not connected.		
Status:	Displays whether th control can be perfo • Link: • Unlink: • Mismatch version:	ne SX-2000AI or SX-2100AI can communicate with and system rrmed from the SX-2000SM. The SX-2000AI or SX-2100AI can communicate with the SX- 2000SM and system control can be performed from the SX- 2000SM. SX-2000SM communications not available, since the SX- 2000AI or SX-2100AI is not connected or powered. SX-2000AI or SX-2100AI and SX-2000SM versions incompatible, disabling communications.	

### Note

The Link indication is displayed in red if errors	_	Configuration	Current	Status
are shown in "Current" or "Status."		Set	Disconnect	Mismatch version

• Туре

Displays SX-2000AI or SX-2100AI status.

Configuration	Displays unit setting information. • SX-2000AI: The SX-2000AI is set. • SX-2100AI: The SX-2100AI is set. • Unknown: Unit settings are unknown. • – : The SX-2000AI or SX-2100AI is not physically connected.
Current	<ul> <li>Displays connected units.</li> <li>SX-2000AI: The SX-2000AI is physically connected.</li> <li>SX-2100AI: The SX-2100AI is physically connected.</li> <li>Unknown: The model type of the actually connected unit is unrecognizable.</li> <li>-: The SX-2000AI or SX-2100AI is not physically connected.</li> </ul>
Status	Displays the comparison results of preprogrammed and actually connected units.• Correct:"Configuration" matches "Current."• Different:"Configuration" does not match "Current."• - :The SX-2000AI or SX-2100AI is not physically connected.

Note: The Type indication is displayed in red if errors are shown in "Current" or "Status."

# Version

Displays the SX-2000AI or SX-2100AI firmware version.

# 2. Slot configuration

	Configuration	Current	Status
Slot 1	SX-200RM	SX-200RM	Correct
Slot 2	SX-200RM	None	Difference
Slot 3	SX-200RM	SX-200RM	Correct
Slot 4	SX-200RM	SX-200RM	Correct

This function displays the status of all input modules inserted in the unit's module slots.

Configuration	Displays the names of set input modules. • None: No modules set to be inserted. • D-921F/E: The D-921F or D-921E is set. • D-922F/E: The D-922F or D-922E is set. • D-936R: The D-936 is set. • SX-200RM: The SX-200RM is set.
Current	<ul> <li>Displays the names of input modules actually inserted in slots.</li> <li>None: No modules inserted.</li> <li>D-921F/E: The D-921F or D-921E is inserted.</li> <li>D-922F/E: The D-922F or D-922E is inserted.</li> <li>D-936R: The D-936R is inserted.</li> <li>D-971M/E: The D-971M or D-971E is inserted.</li> <li>D-971R: The D-971R is inserted.</li> <li>SX-200RM: The SX-200RM is inserted.</li> </ul>
Status	<ul> <li>Displays the comparison results of preprogrammed settings and actually inserted modules.</li> <li>Correct: "Configuration" matches "Current."</li> <li>Different: "Configuration" does not match "Current."</li> </ul>

Note: The Slot indication is displayed in red if errors are shown in "Current" or "Status."

# 3. RM configuration

	Configuration	Current	Status	Version
RM 1	RM-200SA	None	Difference	-
RM 2	RM-200SA	RM-200SA	Correct	2.00
RM 3	RM-200SA	None	Difference	-
RM 4	RM-200SA	None	Difference	-
RM S	RM-200SA	RM-200SA	Correct	2.00
RM 6	RM-200SA	RM-200SA	Correct	2.00
RM 7	RM-200SA	RM-200SA	Correct	2.00
RM 8	RM-200S	RM-200S	Correct	1.50

This function displays the status of each remote microphone.

Configuration	Displays the type of remote microphone that has been set for connection, and the number of expansion units.		
	• None:	No connection settings.	
	• RM-200S:	The RM-200S is set.	
	• RM-200S + EXT * :	The RM-200S and * pieces of expansion units are set.	
		(Op to 4 expansion units can be connected.)	
	• RM-2005F:	The RM-200SF is set.	
	• RM-200SF + EXT * :	(Up to 5 expansion units can be connected.)	
	• RM-200SA:	The RM-200SA is set.	
	• RM-200SA + EXT * :	The RM-200SA and * pieces of expansion units are set. (Up to 4 expansion units can be connected.)	
Current	Displays the type of	actually connected remote microphone and the number of	
	• None <sup>.</sup>	No units connected	
	• BM-2005	The BM-200S is connected	
	• BM-200S + FXT*	The BM-200S and * pieces of expansion units are connected	
		(Up to 4 expansion units can be connected.)	
	• RM-200SF:	The RM-200SF is connected.	
	• RM-200SF + EXT * :	The RM-200SF and $*$ pieces of expansion units are connected.	
	• BM-200SA:	The BM-200SA is connected.	
	• RM-200SA + EXT *:	The RM-200SA and * pieces of expansion units are connected.	
		(Up to 4 expansion units can be connected.)	
Status	Displays the compar connection status.	ison result of preprogrammed connection settings and actual	
	Correct: "Configuration:	tion" matches "Current."	
	• Error: Remote m	icrophone has failed.	
	Different: "Configura	tion" does not match "Current."	

Note: The RM configuration indication is displayed in red if errors are shown in "Current" or "Status."

Version	Displays the remote microphone's firmware version.
---------	--

	Configuration	Status
DC POWER	Used	Normal
SX LINK	Used	Link-A error
Analog LINK	Used	Normal

This function displays the failure status of the SX-2000AI or SX-2100AI unit. The indicated items are DC power supply, SX link and analog link.

Configuration	Displays the "Used" indication when the failure check function is in operation and the "Unused" indication when the function is not in operation.
Status	Displays failure status. Displays the "Normal" indication for normal conditions and the "Error" indication or the cause of failure in the event of irregularities. Displays the " – " indication when the failure check function is not in operation.

# 5. DC Power detail button

Clicking this button displays the DC power detail screen.

🛐 Unit AI-1 – DC	Power status	
	Status	
DC Power A	Normal	
DC Power B	Normal	
DC Fuse A	Normal	
DC Fuse B	Normal	
Unit start status	Normal	
PCB Power	Normal	
	Close	

Displays the DC power supply, fuse and hardware statuses.

The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation. Clicking the [Close] button closes the DC power detail screen.

### 6. RM failure status

	Configuration	Status
RM 1	Used	Error
RM 2	Used	Error
RM 3	Used	Error
RM 4	Used	Error
RM S	Used	Normal
RM 6	Used	Normal
RM 7	Used	Normal
RM 8	Used	Normal

This function displays each remote microphone's failure status.

Configuration	Displays the "Used" indication when the failure check function is in operation and the "Unused" indication when the function is not in operation.
Status	Displays failure status. Displays the "Normal" indication for normal conditions and the "Error" indication or the cause of failure in the event of irregularities. Displays the " – " indication when the failure check function is not in operation.

# 7. RM failure status detail button

Clicking this button displays the RM failure status detail screen.

Unit AI-8 - RM status								
	RM 1	RM 2	RM 3	RM 4	RM 5	RM 6	RM 7	RM 8
Connection	Error	Normal	Error	Error	Normal	Normal	Normal	Normal
Mic element	-	Normal	-	-	Normal	Normal	Normal	Normal
Mic connector	-	Error	-	-	Normal	Normal	Normal	Normal
Unit power	-	Normal	-	-	Normal	Normal	Normal	Normal
Talk switch	-	Normal	-	-	Normal	Normal	Normal	Normal
Emg switch	-	Normal	-	-	Normal	Normal	Normal	Normal
20kHz	-	Normal	-	-	Normal	Normal	Normal	Normal
_								
			<b></b>	Close				
			L	i				

Displays the DC power supply, connection and hardware statuses.

The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation. Clicking the [Close] button closes the RM failure status detail screen.

# 8. Close button

Clicking this button closes the AI unit screen.

### 13.3.4. AO unit screen

Clicking the AO button on the system status screen displays the AO unit screen.

Sx U	nit AO-17									X
Uni	t configuration					Ат	plifier failure stat	us	9	
Â.	_	Configuration	Current	Status	Version		_	Configuration	Status	
$\Psi$	Link	Set	Connect	Link	3.00		AMP 1	Used	Normal	h
	Type	SX-2100AO	SX-2100AO	Correct		Л	AMP 2	Used	Error	
CT	CO					51	AMP 3	Used	Normal	
	CO configuration		_	_			AMP 4	Used	Normal	
(2)	[	Configuration	Current	Status	Version	_	AMP 5	Used	Normal	Detail (10
ĭ	ID 1	SX-2000CI	SX-2000CI	Correct	2.00		AMP 6	Used	Normal	
	ID 2	SX-2000CO	SX-2000CO	Correct	2.00		AMP 7	Used	Error	
Imi	t failure status					-	AMP 8	Used	Normal	
		Configuration	Status				Standby AMP	Used	Normal	r
6	DC POWER	Ilead	Normal	Detail			Switch over amplifie	er miniber	AMP 2	
(3)	DOLOWING	osea	nomuai	L'eram						
$\mathbf{\mathbf{\nabla}}$	SX LINK	IIsed	Link-Berror		J	Lou	d maakar lina eta	tue		
Ĭ	SX LINK Analog LINK	Used Used	Link-B error Normal		J	Lou	ıd speaker line star	tus		
Ĭ	SX LINK Analog LINK CUCO LINK	Used Used Used	Link-B error Normal Normal			Lou	id speaker line star	<b>tus</b> Configuration	Status	
Ĭ	SX LINK Analog LINK CI/CO LINK DS LINK1	Used Used Used Used	Link-B error Normal Normal			Lou (1)	d speaker line star SP 1	<b>tus</b> Configuration Used	Status Earth leakage	
Ĭ	SX LINK Analog LINK CI/CO LINK DS LINK1 DS LINK2	Used Used Used Used Used	Link-B error Normal Normal Normal	) Detail (	5	Lou (1)	d speaker line star SP 1 SP 2 SP 2	<b>tus</b> Configuration Used Used	Status Earth leakage Normal	
ľ	SX LINK Analog LINK CI/CO LINK DS LINK1 DS LINK2	Used Used Used Used Used	Link-B error Normal Normal Normal Normal	) Detail	5	[Lou	d speaker line star SP 1 SP 2 SP 3 SP 4	tus Configuration Used Used Used	Status Earth leakage Normal Normal	
	SX LINK Analog LINK CL/CO LINK DS LINK1 DS LINK2 CO failure status	Used Used Used Used Used	Link-B error Normal Normal Normal Normal	) Detail (	5	[Lou	d speaker line sta SP 1 SP 2 SP 3 SP 4 SP 5	tus Configuration Used Used Used Used	Status Earth leakage Normal Normal Normal	
	SX LINK Analog LINK CL/CO LINK DS LINK1 DS LINK2 CO failure status	Used Used Used Used Used Configuration	Link-B error Normal Normal Normal Status	) Detail (	5	[] []	d speaker line star SP 1 SP 2 SP 3 SP 4 SP 5 SP 5	tus Configuration Used Used Used Used Used	Status Earth leakage Normal Normal Normal	
	SX LINK Analog LINK CI/CO LINK DS LINK1 DS LINK2 CO failure status ID 1	Used Used Used Used Used Configuration Used	Link-B error Normal Normal Normal Status Normal	) Detail ( Detail	5 7	[] []	d speaker line star SP 1 SP 2 SP 3 SP 4 SP 5 SP 6 SP 7	tus Configuration Used Used Used Used Used Used	Status Earth leakage Normal Normal Normal Normal	
	SX LINK Analog LINK CI/CO LINK DS LINK1 DS LINK2 CO failure status ID 1 ID 2	Used Used Used Used Used Configuration Used Used	Link-B error Normal Normal Normal Status Normal Normal	Detail ( Detail	5 7 9		d speaker line star SP 1 SP 2 SP 3 SP 4 SP 5 SP 6 SP 7 SP 7	tus Configuration Used Used Used Used Used Used Used	Status Earth leakage Normal Normal Normal Normal Interruption	
) [] (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	SX LINK Analog LINK CI/CO LINK DS LINK1 DS LINK2 CO failure status ID 1 ID 2	Used Used Used Used Used Configuration Used Used	Link-B error Normal Normal Normal Status Normal Normal	Detail ( Detail ( Detail (	5 7 8	[] []	d speaker line star SP 1 SP 2 SP 3 SP 4 SP 5 SP 6 SP 7 SP 8	tus Configuration Used Used Used Used Used Used Used Used	Status Earth leakage Normal Normal Normal Interruption -	
6	SX LINK Analog LINK CI/CO LINK DS LINK1 DS LINK2 CO failure status ID 1 ID 2	Used Used Used Used Used Configuration Used Used	Link-B error Normal Normal Normal Status Normal Normal	Detail ( Detail ( Detail (	5) 7) 8)		d speaker line star SP 1 SP 2 SP 3 SP 4 SP 5 SP 6 SP 7 SP 8	tus Configuration Used Used Used Used Used Used Used Umsed	Status Earth leakage Normal Normal Normal Interruption -	
6 6	SX LINK Analog LINK CI/CO LINK DS LINK1 DS LINK2 CO failure status ID 1 ID 2	Used Used Used Used Used Configuration Used Used	Link-B error Normal Normal Normal Status Normal Normal	Detail ( Detail ( Detail	5 7 8 <sup>(Close</sup>		d speaker line star SP 1 SP 2 SP 3 SP 4 SP 5 SP 6 SP 7 SP 8	tus Configuration Used Used Used Used Used Used Used Unased	Status Earth leakage Normal Normal Normal Normal Interruption -	

# 1. Unit configuration

	Configuration	Current	Status	Version
Link	Set	Connect	Link	3.00
Туре	SX-2100AO	SX-2100AO	Correct	

# • Link

Displays the SX-2000AO or SX-2100AO system status.

Configuration	Displays connection setting information. • Set: Connection settings performed. • None: No connection settings performed.				
Current	Displays actual connection status. • Connect: The SX-2000AO or SX-2100AO is connected. • Disconnect: The SX-2000AO or SX-2100AO is not connected.				
Status	<ul> <li>Displays whether the SX-2000AO or SX-2100AO can communicate with and syster control can be performed from the SX-2000SM.</li> <li>Link: The SX-2000AO or SX-2100AO can communicate with the SX-2000SM and system control can be performed from the SX-2000SM.</li> </ul>				
	Unlink: SX-2000SM communications not available, since 2000AO or SX-2100AO is not connected or powered.				
	Emergency cutoff:	Since the corresponding SX-2000AO unit is preset to cut off the 24V DC power supply to allow emergency broadcast to go through, the SX-2000SM cannot perform control.			
	Mismatch version:	SX-2000AO or SX-2100AO and SX-2000SM versions incompatible, disabling communications.			

### Note

Note		Configuration	Current
The Link indication is displayed in red if errors	Link	C-4	Discourset
are shown in "Current" or "Status."	LINK	Set	Disconnect

Status Mismatch version • Туре

Displays SX-2000AO or SX-2100AO status.

Configuration	Displays unit setting information. • SX-2000AO: The SX-2000AO is set. • SX-2100AO: The SX-2100AO is set. • Unknown: Unit settings are unknown. • - : The SX-2000AO or SX-2100AO is not physically connected.
Current	Displays connected units. • SX-2000AO: The SX-2000AO is physically connected. • SX-2100AO: The SX-2100AO is physically connected. • Unknown: The model type of the actually connected unit is unrecognizable. • - : The SX-2000AO or SX-2100AO is not physically connected.
Status	Displays the comparison results of preprogrammed and actually connected units. • Correct: "Configuration" matches "Current." • Different: "Configuration" does not match "Current." • - : The SX-2000AO or SX-2100AO is not physically connected.

Note: The Type indication is displayed in red if errors are shown in "Current" or "Status."

# Version

Displays the SX-2000AO or SX-2100AO firmware version.

# 2. CI/CO configuration

	Configuration	Current	Status	Version
ID 1	SX-2000CI	SX-2000CI	Correct	2.00
ID 2	SX-2000CO	SX-2000CO	Correct	2.00

# Displays SX-2000CI or SX-2000CO status.

Configuration	Displays the type of the SX-2000Cl or SX-2000CO unit that has been set for connection. • None: No connection settings. • SX-2000Cl: The SX-2000Cl is set. • SX-2000CO: The SX-2000CO is set.
Current	<ul> <li>Displays the type of actually connected SX-2000CI or SX-2000CO unit.</li> <li>None: No units actually connected.</li> <li>SX-2000CI: The SX-2000CI is physically connected.</li> <li>SX-2000CO: The SX-2000CO is physically connected.</li> </ul>
Status	Displays the comparison results of preprogrammed and actually connected units. • Correct: "Configuration" matches "Current." • Different: "Configuration" does not match "Current."

Note: The CI/CO configuration indication is displayed in red if errors are shown in "Current" or "Status."

	Version	Displays the SX-2000CI or SX-2000CO software version.
--	---------	---

# 3. Unit failure status

	Configuration	Status
DC POWER	Used	Normal
SX LINK	Used	Link-B error
Analog LINK	Used	Normal
CI/CO LINK	Used	Normal
DS LINKI	Used	Normal
DS LINK2	Used	Normal

This function displays the SX-2000AO's failure status.

The indicated items are DC power supply, SX link, analog link, CI/CO link and DS link.

Configuration	Displays the "Used" indication when the failure check function is in operation and the "Unused" indication when the function is not in operation.
Status	Displays failure status. Displays the "Normal" indication for normal conditions and the "Error" indication or the cause of failure in the event of irregularities. Displays the " – " indication when the failure check function is not in operation.

# 4. DC Power detail button

Clicking this button displays the DC power detail screen.

<mark>Sz</mark> Unit AO-9 – DC	Power status	
	Status	
DC Power A	Normal	
DC Power B	Normal	
DC Fuse A	Normal	
DC Fuse B	Normal	
Unit start status	Normal	
PCB Power	Normal	
	Close	

Displays the DC power supply, fuse and hardware statuses.

The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation.

Clicking the [Close] button closes the DC power detail screen.

### 5. DS Link detail button

### Note

Use this button to confirm the DS link status when the SX-2100AO is connected to the VX-2000DS unit.

Clicking this button displays the DS link detail screen.

🏧 Unit AO-1 - DS LINK status					
	DS LINK 1	DS LINK 2			
Connection	-	Normal			
AC Power	-	Normal			
Charger circuit	-	Normal			
Battery	-	Normal			
DC Power	-	Normal			
	Close				

Displays the cable connection, AC power supply, battery and DC power supply statuses.

The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation.

Clicking the [Close] button closes the DS link detail screen.

# 6. CI/CO failure status



ID 1 and 2 display the failure status of the SX-2000CI and SX-2000CO, respectively.

Configuration	Displays the "Used" indication when the failure check function is in operation and the "Unused" indication when the function is not in operation.
Status	Displays failure status. The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation.

# 7. CI Failure status detail button

Clicking this button displays the CI failure status detail screen.

😽 Unit AO-13 - II	01 (Unit CD					X
Unit failure status						
	Status					
DC Power A	Normal					
DC Power B	Normal					
DC Fuse A	Normal					
DC Fuse B	Normal					
Unit start status	Normal					
Control input failure	status					
	Configuration	Status		Configuration	Status	
CIN 1	Used	Normal	CIN 17	Unused	-	
CIN 2	Used	Normal	CIN 18	Unused	-	
CIN 3	Used	Normal	CIN 19	Unused	-	
CIN 4	Used	Normal	CIN 20	Unused	-	
CIN 5	Used	Normal	CIN 21	Unused	-	
CIN 6	Used	Normal	CIN 22	Unused	-	
CIN 7	Used	Normal	CIN 23	Unused	-	
CIN 8	Used	Normal	CIN 24	Unused	-	
CIN 9	Unused	-	CIN 25	Unused	-	
CIN 10	Unused	-	CIN 26	Unused	-	
CIN 11	Unused	-	CIN 27	Unused	-	
CIN 12	Unused	-	CIN 28	Unused	-	
CIN 13	Unused	-	CIN 29	Unused	-	
CIN 14	Unused	-	CIN 30	Unused	-	
CIN 15	Unused	-	CIN 31	Unused	-	
CIN 16	Unused	-	CIN 32	Unused	-	
			( <b>1</b> -1)			
			Close			

Displays the DC power supply, fuse and control input failure statuses.

The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation. Clicking the [Close] button closes the CI failure status detail screen.
# 8. CO failure status detail button

Clicking this button displays the CO failure status detail screen.

🛣 Unit AO-13 - ID2 (Unit CO)						
Unit failure status						
	Status					
DC Power A	Normal					
DC Power B	Normal					
DC Fuse A	Normal					
DC Fuse B	Normal					
Unit start status	Normal					
	Close					

Displays the DC power supply and fuse failure statuses.

The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation. Clicking the [Close] button closes the CO failure status detail screen.

## 9. Amplifier failure status

### Note

Use this screen to confirm the amplifier status when the SX-2100AO is connected to the VP Series amplifiers.

	Configuration	Status				
AMP 1	Used	Normal				
AMP 2	Used	Error				
AMP 3	Used	Normal				
AMP 4	Used	Normal				
AMP 5	Used	Normal				
AMP 6	Used	Normal				
AMP 7	Used	Error				
AMP 8	Used	Normal				
Standby AMP	Used	Normal				
Switch over amplifi	AMP 2					

Displays the power amplifier failure status.

Configuration	Displays the "Used" indication when the failure check function is in operation and the "Unused" indication when the function is not in operation.
Status	Displays failure status. The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation.

# 10. Amplifier failure status detail button

### Note

Use this button to confirm the amplifier failure status when the SX-2100AO is connected to the VP Series amplifiers.

Clicking this button displays the amplifier failure status detail screen.

<u>S</u> Unit AO-9 - Am	plifier statu	18								×
	AMP 1	AMP 2	AMP 3	AMP 4	AMP 5	AMP 6	AMP 7	AMP 8	Standby AMP	
Connection	-	-	Normal							
DC fuse	-	-	Normal							
Overheat	-	-	Normal							
20kHz(NF)	-	-	Normal							
Amp return	-	-	Normal							
				Close						

Displays the amplifier connection, fuse and operating temperature statuses.

The "Normal" indication is displayed for normal conditions, the "Error" indication when irregularities are detected, and the " – " indication when the failure check function is not in operation. Clicking the [Close] button closes the amplifier failure status detail screen.

### 11. Load speaker line status

### Note

Use this screen to confirm the speaker line status when the SX-2100AO is connected to the VP Series amplifiers.

	Configuration	Status
SP 1	Used	Earth leakage
SP 2	Used	Normal
SP 3	Used	Normal
SP 4	Used	Normal
SP 5	Used	Normal
SP 6	Used	Normal
SP 7	Used	Interruption
SP 8	Unused	-

Displays the speaker failure status.

Configuration	Displays the "Used" indication when the failure check function is in operation and the "Unused" indication when the function is not in operation.
Status	Displays the failure status. Displays the "Normal" indication for normal conditions and the cause of failure when irregularities are detected. There are three causes of failure: "Interruption," "Short circuit," and "Earth leakage." The " – " indication is displayed when the failure check function is not in operation.

## 12. Close button

Clicking this button closes the AO unit screen.

# 13.4. Audio Input and Output Status Confirmation

Audio input and output statuses can be confirmed in real time.

The SX-2000 system allows simultaneous 16-channel broadcasts using 16 audio buses.

A matrix display clearly shows which zones are currently broadcasting the audio input using the audio buses.

Step 1. Establish communications between the SX-2000SM and the PC installed with the SX-2000 software. For the procedure for establishing communications, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."

The "Connection" indication is displayed in the lower right corner of the screen after the connection is completed.

Step 2. Press the [Audio in/out status] button on the Utility screen.

Sx sx-	2000 Management t	ool(Superuser)					
<u>F</u> ile	View <u>C</u> ommunication	<u>H</u> elp					
Bi	asic tings	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility	
	Log file	Online log	Syste	em status	udio in/out statu	s Control in/or	ut status
	Stop	Save log file	]				
No.	Y/M/D himis	Mode	Kind	Equipment	Address	Factor	
1							
2							
3							

The audio input/output status display screen is displayed.

🙀 SX-2000 Ma	nagement tool(Supe	eruser)																																	×
<u>F</u> ile <u>V</u> iew <u>C</u> o	ommunication <u>H</u> elp																																		
Basic settings	System settings	veil- ace ings		Prio setti	rity 195	)•	5	Patti setti	ern ngs	)•	•	Eve etti	nt 1gs	]		Util	ity	]																	
Log file	Online	e log	]		Sy	sterr	ı stat	us			Au	idio i	n/out	stat	us	)		Contr	olin	(out s	tatus														
				$\  \ $		4	4		4										ш										•					$\  \ $	
						AC	)1							AC	02							AC	3							AC	04				
			1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
BUS		Output	A01-ZONE1	A01-ZONE2	A01-ZONE3	A01-ZONE4	A01-ZONE5	AO1-ZONE6	A01-ZONE7	AO1-ZONE8	A02-ZONE1	A02-ZONE2	A02-ZONE3	A02-ZONE4	A02-ZONES	A02-ZONE6	A02-ZONE7	A02-ZONE8	A03-ZONE1	A03-ZONE2	A03-ZONE3	A03-ZONE4	A03-ZONES	A03-ZONE6	A03-ZONE7	A03-ZONE8	A04-ZONE1	A04-ZONE2	A04-ZONE3	A04-ZONE4	A04-ZONES	A04-ZONE6	A04-ZONE7	A04-ZONE8	
No	Input																									_									
1						_		_													-			_		-		_	_				_	_	
3						-	-	-				_		_		_					-					+		-				$ \rightarrow$	-	-	
4								-					-			_		_								+				_		$\neg$		-	
5																_																			
6																																			
7																																			
8																																			
9												_		_		_																$ \rightarrow$			
10								_													_							_						-	
11						_	_	_				_		_		_					-			_		-		_	_			$ \rightarrow$	-+	_	
12						-		-				_		_		_					-					+		-				$ \rightarrow$	-+	-	
14						$\neg$		-					-			_	-	_			-			_		+		-	_			$ \rightarrow$	-	-	
15							_	-					-			_	-	_	-							+		-					-	-	
16																					$\neg$											$\neg$	1	$\neg$	
• • • •			_		_	_	_	-	_	_		_	_	_	_	_			-	_	_	_	_	_	_			_	_				_	_	-

Audio input and output status data are automatically acquired.

🙀 SX-2000 Management tool	$\mathbf{X}$
Receiving Audio input/output status	
Please wait a moment.	
Close	
8888	

After the data have been received, the current status is displayed on the audio input/output status display screen.

After the audio input and output status data have been received, the latest system status is automatically updated and displayed.



## 13.4.1. Audio input/output status display screen



### 1. BUS No.

Displays the audio bus numbers (1 - 16).

### 2. Input

Displays information on audio entered for the bus number. The field remains blank when no signals are detected on the bus.

Red character display indicates latest updated data.

### Unit type and number

Displays the type and number of the audio unit that has been input.

SM (SX-2000SM), AI1 – AI8 (SX-2000AI's or SX-2100AI's unit numbers 1 – 8)

### Audio name

Displays name of audio being input.

Audio type

Displays the type of audio that has been input.

Page (General), BGM, EmgRM (Emergency RM), Alert, Evac (Evacuation), Reset						
· Page (General):	Broadcast of sound source type set for "General"					
· BGM:	Broadcast of sound source type set for "BGM"					
· EmgRM (Emergency RM):	Emergency microphone announcement from the remote microphone of					
	sound source type set for "Emergency/General"					
· Alert:	EV message broadcast of sound source type set for "Alert"					
<ul> <li>Evac (Evacuation):</li> </ul>	EV message broadcast of sound source type set for "Evacuation"					
· Reset:	EV message broadcast of sound source type set for "Reset"					





# 3. Output

Displays the SX-2000AO or SX-2100AO, which becomes the audio output destination, and audio output zone names. Names are not displayed for zones not using the amplifier.

### 4. Matrix connection table

The " " indication is displayed in the position of the output zone(s) to which the input audio is being output.

### 5. Scroll bar

Scrolls the matrix table.

### 6. Other

The """ indication is displayed when audio is output to zones other than those currently displayed in the matrix connection table.

# 13.5. Control Input and Output Status Confirmation

The SX-2000 system control input and output statuses can be confirmed in real time.

Step 1. Establish communications between the SX-2000SM and the PC installed with the SX-2000 software. For the procedure for establishing communications, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."

The "Connection" indication is displayed in the lower right corner of the screen after the connection is completed.

Step 2. Press the [Control in/out status] button on the Utility screen.

<mark>Sx</mark> sx-:	2000 Management t	ool(Superuser)					
<u>F</u> ile	<u>V</u> iew <u>C</u> ommunication	<u>H</u> elp					
Ba sett	ings System	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility	
	Log file	Online log	Syste	em status A	udio in/out statu	IS Controlin/or	ut status
	Stop	Save log file	]				
No.	Y/M/D h:m:s	Mode	Kind	Equipment	Address	Factor	
1							
2							
3							

The control input/output status display screen is displayed.

S <sub>X</sub> s	X-2000 Management tool(Superuser)
File	e <u>V</u> iew <u>C</u> ommunication <u>H</u> elp
	Basic settings       Surveil- lance settings       Priority settings       Pattern settings       Event settings       Utility
	Log file         Online log         System status         Audio in/out status         Control in/out status
SM	
AII	1       2       3       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       23       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22       23       24       25       26       27       28       29       30       31       32       10       11       12       14       15       16       17       18       19       20       21       22       25       26       27       28       29       30       31       32       10
AI2	1       2       3       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       23       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22       23       24       25       26       27       28       29       30       31       32         CUM       CUM
AI3	1       2       3       4       5       6       7       8       9       10       11       12       13       14       15       16       1       2       24       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22       24       25       26       27       28       29       30       31       32         CUN
AI4	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 CUT CUT CUT CUT CUT CUT CUT CUT CUT CUT
AI5	1       2       3       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       23       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22       24       25       26       27       28       29       30       31       32         CUN       CUN
AI6	1       2       3       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       23       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22       23       24       25       26       27       28       29       30       31       32         CUN       CUN
A <b>1</b> 7	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 CUN CUT
AI8	1       2       3       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       10       11       12       13       4       5       6       7       8       9       10       11       12       13       14       15       16       17       18       19       20       21       22       23       24       25       26       27       28       29       30       31       32         CIN
	AO9 CUT
<	Connection 2
-	***

Control input and output status data are automatically acquired.

🔀 SX-2000 Management tool 🛛 🔀				
Receiving control input/output status				
Please wait a moment				
Flease Wait a moment.				
Close				

After the data have been received, the current status is displayed on the control input/output status display screen.

After the control input and output status data has been acquired, the latest system status is automatically updated and displayed.



## 13.5.1. Control input/output status display screen



## 1. SM control input/output terminals

Display the SX-2000SM's control input and output statuses.

## 2. Al control input/output terminals

Display the SX-2100AI's control input and output statuses. (The SX-2000AI's status is not displayed, since it has no control input and output terminals.)

## 3. AO control input /output terminals

Display the control input and output statuses of the SX-2000AO or SX-2100AO.

## 4. CI/CO control input/output terminals

Display the control input and output statuses of the SX-2000Cl and SX-2000CO. The status of these units is not displayed if the SX-2000Cl or SX-2000CO is not connected to the SX-2000AO or SX-2100AO.

If the control input (CIN) and control output (COUT) are turned ON, a mark is placed in their corresponding boxes.					
When the co	ntrol input closes ("makes"), the corresponding boxes are marked by circle ( $\bigcirc$ ).				
😑 (green):	The control input is closed. If the control input is closed by pulse signal, the color is displayed only while an event remains active.				
😑 (orange):	The control input terminal to which the external failure input has been assigned is closed. This indicates that the external connected device has failed.				
🔵 (gray):	The control input terminal to which no functions have been assigned is closed.				
When the co	ntrol output turns on, the $oldsymbol{st}$ mark is placed in the corresponding boxes.				
\star (blue):	The control output is turned on.				
<b>≭</b> (red):	The control output corresponding to the zone for which attenuators were set to be "used" in emergency broadcasts is turned on.				

# 14. COMMUNICATIONS BETWEEN THE SX-2000SM AND A PC

Setting data or log files can be acquired in real time or the system status can be monitored by connecting the SX-2000SM to a PC installed with the SX-2000 software.

### Notes

- When two or more SX-2000SMs are connected to a switching hub, communications may not be correctly established with the PC if their IP addresses are duplicated. Be sure to set different IP addresses for all SX-2000SMs connected to the switching hub and establish communications. (Refer to p. 38 "Changing the SX-2000SM's Network Settings.")
- Multiple PCs cannot simultaneously access the same SX-2000SM.
- Network settings cannot be changed nor can the system be reset, even while communications are established, unless the network setting detection has been completed.
- Only SX-2000SMs of firmware version 3.0 or later can communicate with a PC. Since the latest firmware version for the SX-2000SM is made available on TOA's product download site (http://toa-products.com/), please download it for use.

# 14.1. Establishing Communications Between the SX-2000SM and a PC

Step 1. Connect the SX-2000SM and the PC installed with the SX-2000 software to the switching hub. Connect the SX-2000SM's LAN connection terminal to a 10BASE-T- or 100BASE-TX-compatible switching hub.

Use STP Category 5 Standard straight LAN cable fitted with RJ45 connectors.

#### Notes

- Do not connect the switching hub to the LAN.
- Avoid directly connecting the SX-2000SM to the PC via a cross cable.



Step 2. Select [Communication  $\rightarrow$  Connect] from the menu bar on the Setting Software.

SX-2000 Management tool(Superuser)					
<u>F</u> ile <u>V</u> iew	Communication Help				
	Connect F5				
Basic settings	Disconnect Shift+F5	rity ngs Settin			
	SX CF Online read [SX->PC] ( <u>R</u> )				
	SX CF Online write [PC->SX] (W)				
<u>Basic setti</u>	Receive configuration (S)				
	Receive all log files ( <u>L</u> )				
Language	English O Japanese	◯ Other			
System nan	sx-2000				

The following window is displayed while communications are established.

🙀 SX-2000 Management tool 🛛 🛛 🕅
Connecting.
Please wait a moment.

Communications are established between the SX-2000SM with IP address displayed in the network settings and a PC. After connection has been established, the "Connection" indication is displayed in the lower right corner of the screen.

SX-2000 Management tool(Superuser)	
Ele <u>V</u> iew <u>Communication</u> <u>H</u> elp	
Basic settings     System settings     Surveil- lance settings     Priority settings     Pattern settings	ini Itiliy
Basic settings	
Language ③ English ③ Japanese ③ Other	
System name SX-2000	
Network settings	Common settings
IP address: 10 - 1 - 30 - 1 Detect	Al/AO display settings Switch off illumination after 5 minutes
Submet mask: 255 · 255 · 0	Surveillance function Not used General broadcart (AC-main failure statur)
Default gateway: 0 · 0 · 0 · 0	Continue
HTTP server port: 80 System reset	Emergency broadcasting function Not used
Time settings	
Year         Month         Day         Hour         Minnte         Second         Read           2009         1         20         16         18         30         Change	
	Connection

### Note

If the system is reset or the LAN cable is removed during communications, the indication in the lower right corner of the screen changes to read: "SM busy."

Restoring communications automatically returns the indication to: "Connection."

SX-2000 Management tool(Superuser)	
e Yew Communication Help	
Basic settings     System     Surveil- lance settings     Priority settings     Pattern settings     Event settings	
Basic settings	
Language	
System name SX-2000	
Network settings	
IP address: 192 · 168 · 14 · 1 Detect Switch off illumination after Sminutes	•
Subnet musk: 255 · 255 · 255 · SX-2000 Management tool Not wed	4
The communication was disconnected. t (AC-mains failure status)	
Default gateway: 0.0.0.	
HTTP server port: 80 Not wed	•
Time settings	
Year Month Day Hour Minute Second Read	
2009 2 17 16 0 0 Change	
CM L	
SM 60	by

# 14.2. Reading CF Card Setting Data Online

The PC can be loaded online with setting data stored on the CF card inserted into the SX-2000SM.

Step 1. Establish communications between the SX-2000SM and the PC installed with the SX-2000 software. For the procedure for establishing communications, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."

The "Connection" indication is displayed in the lower right corner of the screen after the connection is completed.

Step 2. Select [Communication  $\rightarrow$  SX CF Online read (SX->PC) ] from the menu bar on the Setting Software.

### Note

This selection cannot be made when the Utility screen (p. 120 "Utility") is displayed.

🙀 SX-2000 Management tool(Superuser)					
<u>F</u> ile <u>V</u> iew	<u>C</u> ommunication	<u>H</u> elp			
	<u>C</u> onnect	FS			
Basic settings	Disconnect	Shift+F5	rity Patte		
¢	SX CF Onlin	ue read [SX->PC] ( <u>R</u> )			
	SX CF Onlin	ue write [PC->SX]( <u>W</u> )			
<u>Basic setti</u>	Receive con	Receive configuration ( <u>S</u> )			
	Receive all l	og files ( <u>L</u> )			
Language	<ul> <li>English</li> </ul>	Japanese	e Other		
System na	me SX-2000	1			

The following screen is displayed.

SX-2000	Management tool	
2	Do you want to save the present setting file	?
	Yes No Cancel	

### Step 3. Click the [Yes] or [No] button.

Clicking the [Yes] button allows the setting content currently being edited to be saved to a file. Loading begins after save is completed.

Clicking the [No] button causes loading to begin immediately.

The following screen is displayed during a read operation.

🙀 SX-2000 Management tool 🛛 🛛 🕅
Communicating.
Please wait for a moment.

The following screen is displayed when the sound source data saved to the CF card and the sound source data registered in the setting software are the same.

SX-2000	Management tool				
The same EV messages have already been registered in the SX-200 Continue to overwrite all of the EV messages? When press the Cancel button, only the configuration data will be tr					
	OK Cancel				

Step 4. To overwrite, click the [OK] button, and to transfer data other than EV messages, click the [Cancel] button.

### Note

A little time may be required to transfer EV messages.

Clicking the [Cancel] button transfers all setting data except the EV messages, enabling reduction of transfer times.

The following screen is displayed after loading is completed.

SX-2000	Management tool 🛛 🔀
٩	CF-card online read finished normal.
	ОК

Step 5. Press the [OK] button.

# 14.3. Writing Setting Data to the CF Card Online

Setting data created using the PC can be written online to the CF card inserted in the SX-2000SM.

Step 1. Establish communications between the SX-2000SM and the PC installed with the SX-2000 software. For the procedure for establishing communications, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."

The "Connection" indication is displayed in the lower right corner of the screen after the connection is completed.

Step 2. Select [Communication  $\rightarrow$  SX CF Online write (PC->SX)] from the menu bar on the Setting Software.

🐼 SX-2000 Management tool(Superuser)						
<u>F</u> ile <u>V</u> iew	Cor	mminication	<u>H</u> elp		_	
( )		<u>C</u> onnect		FS		(
Basic settings		Disconnect		Shift+F5	rity ngs	Patte settin
		SX CF Onlin	e read [SX->	•PC] ( <u>R</u> )	°	
<		SX CF Onlin	e write [PC-	>SX]( <u>W</u> )		
<u>Basic sett</u>	i i	Receive configuration (S)				
	-	Receive all b	og files ( <u>L</u> )			
Language	_	<ul> <li>English</li> </ul>		🔵 Japanese	-	◯ Other
System na	me	SX-2000				

The following screen is displayed.

SX-200	D Management tool 🛛 🕅
2	System reset will be executed after data transmission is completed. Current broadcasts will be terminated and the system will be started in initial status. OK?
	Yes No

### Step 3. Click the [Yes] button

Tip: Writing is not executed if the [No] button is clicked.

The following screen is displayed.

SX-2000	Management tool
٩	Current setting data must be stored before starting to send. Please press OK button to store and send the data. (When press the Cancel button, data transmission will be terminated automatically.)
	OK Cancel

Step 4. Press the [OK] button.

Tip: Writing is not executed if the [Cancel] button is clicked.

The following screen is displayed and writing begins.

🙀 SX-2000 Management tool	$\mathbf{X}$
Communicating.	
Please wait for a moment.	
	_

The following screen is displayed when the sound source data saved to the CF card and the sound source data registered in the setting software are the same.

SX-2000	Management tool
2	The same EV messages have already been registered in the SX-2000SM. Continue to overwrite all of the EV messages? When press the Cancel button, only the configuration data will be transmitted.
	OK Cancel

Step 5. To overwrite, click the [OK] button.

### Note

A little time may be required to transfer EV messages.

Clicking the [Cancel] button transfers all setting data except the EV messages, enabling reduction of transfer times.

The following screen is displayed after writing is completed.

SX-2000	Management tool
١	CF-card online write finished normal.
	ОК

Step 6. Press the [OK] button.

# 14.4. Acquiring System Configuration Data Online

The SX-2000 system's configuration data can be acquired online. This function is useful when creating setting data after equipment installation.

### Note

Only the component number and type can be acquired for system configuration data. Other detailed equipment settings are default values.

Step 1. Establish communications between the SX-2000SM and the PC installed with the SX-2000 software. For the procedure for establishing communications, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."

The "Connection" indication is displayed in the lower right corner of the screen after the connection is completed.

**Step 2.** Select [Communication  $\rightarrow$  Receive configuration] from the menu bar on the Setting Software.

### Note

This selection cannot be made when the Utility screen (p. 120 "Utility") is displayed.

SX-2000	Management	tool(Superuser)	
<u>F</u> ile <u>V</u> iew	<u>C</u> ommunication	<u>H</u> elp	
	<u>C</u> onnect	FS	
Basic settings	<u>D</u> isconnect	Shift+F5	rity Patt
Sounds	SX CF Onli	ne read [SX->PC] ( <u>R</u> )	
	SX CF Onli	ne write [PC->SX] ( <u>W</u> )	
Basic set	Receive cor	ufiguration (S)	
	Receive all	log files ( <u>L</u> )	
Language	<ul> <li>Englis</li> </ul>	h 🔿 Japanese	• Other
System na	me SX-2000	)	

The following screen is displayed during data edit.

SX-2000 Management tool		
Current setting data will be set to an initial value by this operating. Do you want to save the present setting file?		
Yes No Cancel		

### Step 3. Click the [Yes] or [No] button.

Selecting the [Yes] button allows the setting content currently being edited to be saved to a file. Configuration data acquisition begins after the setting content has been saved. Configuration data acquisition begins immediately if the [No] button is selected.

### Note

Even if the [Yes] or [No] button is selected, the setting content currently being edited is not retained, making the system configuration the same as the current equipment connection status. Settings other than the acquired configuration data revert to default values.

The following screen is displayed and the system configuration data is received.

🙀 SX-2000 Management tool	$\mathbf{X}$
Receiving configuration	
Please wait for a moment.	

After reception completion, the display reverts to the system setting screen.

A reception completion dialog and the current system configuration are displayed on the system setting screen.

😽 SX-2000 Managem	ient tool(Superuser)	
<u>File View Communic</u>	ation <u>H</u> elp	
Basic settings	tem ngs Surveil- lance settings Priority settings Pattern settings Utility Utility	
RM box (	System manager	<u>^</u>
RM-2005A		
3200C MR	Audio input unit 8 💙 Audio output unit 32 💙	
Idw-20051	SX-2100AI (ID 1) SX-2100AO (ID 1)	
RM-2005		
•	A (ID 1) AII-IN1 AOI-ZONE1 Amplifier	-40
Module box (	A (ID 2) AII-IN2 AOI-ZONE2 Amplifier	-40
MR00C XX	A (ID 3) AII-IN3 SY-2000 Management tool	-4
	A (ID 4) All-IN4	
DE	A (ID 5) A11-IN5 Configuration receive finished normal Amplifier	
D-921F	A (ID 6) All-IN6 OK Amplifier	
		Ä
D-921E		
	A (ID 8) A (ID 8) A (II-IN8	
D-922F	SX-2000AC (ID 2) SX-2000AC (ID 2) SX-2000CI (ID 1)	SX-2000CO (ID 2)
D-922E	ACC-ZONE1 AND	unit box 🛛 🗶
	AC2-ZONE2 Amplifier	-4 SX-2000CI
A CEN	A12-IN3 A02-ZONE3 Amplifier	
D-936R	A12-IN4 A02-ZONE4 Amplifier	
All here	Amplifier	
		Connection

# 14.5. Acquiring All Log Files Stored on the CF Card

All operation and failure log data stored on the CF card inserted in the SX-2000SM can be acquired online.

Step 1. Establish communications between the SX-2000SM and the PC installed with the SX-2000 software. For the procedure for establishing communications, refer to p. 155 "Establishing Communications Between the SX-2000SM and a PC."

The "Connection" indication is displayed in the lower right corner of the screen after the connection is completed.

**Step 2.** Select [Communication  $\rightarrow$  Receive all log files] from the menu bar on the Setting Software.

### Note

This selection cannot be made when the Utility screen (p. 120 "Utility") is displayed.

🙀 SX-2000 Management tool(Superuser)			
<u>F</u> ile <u>V</u> iew	Communication	Help	
	<u>C</u> onnect	FS	
Basic sattings	<u>D</u> isconnect	Shift+F5	rity Patte
settings	SX CF Onli	ne read [SX->PC] ( <u>R</u> )	
	SX CF Onli	ne write [PC->SX] ( <u>W</u> )	
<u>Basic setti</u>	Receive cor	nfiguration (S)	
<	Receive all	log files ( <u>L</u> )	
Language	💿 Englis	h 🔿 Japanese	• Other
System na	me SX-2000	D	

A "Browse For Folder" dialog is displayed.

Browse For Folder	?×
Please select folder to save.	
Image: Second state       Image: Second state         Image: Second state       Image: Second state <th></th>	
Make New Folder OK Car	ncel

Step 3. Select the folder to receive the file, then click the [OK] button.

### Note

The filename Sx2kOp\*\*.s2l is automatically assigned to operation log data and Sx2kFa\*\*.s2l to failure log data, then they are stored on the CF card. The numbers 00 through 99 are entered in the \*\* part in the order that the data was stored.

A screen showing that the data is being stored is displayed.

🛐 SX-2000 Management tool 🛛 🛛 🕅
Communicating.
Please wait for a moment.

Occasionally the following screen may be displayed, depending on the target folder.



After all log files have been acquired, the display switches to the log file display screen.

A dialog indicating completion of all log files acquisitions is displayed along with the log file display screen.

<mark>S</mark> SX−2	SX-2000 Management tool(Superuser)									
File	View Communication	<u>H</u> elp								
Ba sette	sic ings System settings	Surveil- lance settings	Priority settings	Pattern settings	Event settings	Utility				
	Log file         Online log         System status         Audio in/out status         Control in/out status									
	Read log file	Save log file			~					
No.	Y/M/D h:m:s	Mode	Kind	Equipment	Address	Factor	Function	Action		
1										
2										
3										
4										
S										
6				SX-2000 Mana	rement too		2			
/					Sement (00	, <u> </u>	<b>3</b>			
0				The rev	ception of all k	og files finished norma	L			
10						-				
11				+	OK					
12				-	0					
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
<								>		
							· · · · · · · · · · · · · · · · · · ·	Connection		

# 14.6. When Communications Connection Errors Occur

If communications cannot be established between the SX-2000SM and the PC, the following screen is displayed. In such cases, the following possible causes may be considered.



- LAN cables are not connected.
- Not straight cable but cross cable is connected.
- STEP Category 5 straight cable fitted with RJ45 connectors is not used.
- · Power is not supplied to the switching hub.
- The SX-2000SM and the switching hub are more than 100 m apart.
- Power is not being supplied to the SX-2000SM.
- · Cable is not connected to the SX-2000SM's LAN connector.
- The SX-2000SM's firmware version is 3.00 or earlier.
- Incorrect settings of the IP address, subnet mask, default gateway or HTTP server port of the SX-2000SM or PC.



- The CF card is not inserted.
- The SX-2000SM's DIP switch 2 or 3 is set to ON.
- · EV messages are being played back.
- · Emergency broadcasts are in progress.



- · The CF card was removed during communications.
- The SX-2000SM's DIP switch 2 was switched to ON during communications.
- · A LAN cable was disconnected during communications.
- The power to the switching hub or other component turned off during communications.
- The SX-2000SM is in the process of initialization.
- The SX-2000SM's firmware version is 3.00 or earlier.
- Incorrect settings of the IP address, subnet mask, default gateway or HTTP server port of the SX-2000SM or PC.

# 14.7. Cutting Off Communications Between the SX-2000SM and a PC

Step 1. Select "Communication → Disconnect" from the menu bar when communications are established between the SX-2000SM and the PC.

SX-2000	lanagement tool(Superuser)	
<u>F</u> ile <u>V</u> iew	<u>Communication</u> <u>H</u> elp	
	<u>C</u> onnect FS	
Basic	Disconnect Shift+FS	rity Patt
Settings	SX CF Online read [SX->PC] ( <u>R</u> )	
	SX CF Online write [PC->SX] ( <u>W</u> )	
<u>Basic setti</u>	Receive configuration (S)	
	Receive all log files ( <u>L</u> )	
Language	💿 English 🛛 🔿 Japan	ese Other
System nan	ue SX-2000	

The "Connection" indication displayed in the lower right corner of the screen goes off.

# **15. SAVING THE SETTINGS FILE**

Output the data set using the Setting Software as a file (smd file format), which is usable by the SX-2000 system.

Save this settings file to a CF card and allow the SX-2000SM to read this card in order to begin operation of the system. (For the method of using the SX-2000SM to read the settings file, see the separate Operating Instructions, "Operating Settings Data.")

	5	x s	X-2000 I	Manag	eme	nt t	0	ol(Superuser	)				
		File	View	Comm	unicat	ion		Help					
	Π		<u>N</u> ew					Survail_		$\square$		$\square$	
			<u>O</u> pen			n 15		lance	•	Priority	►	Pattern settings	
<			<u>S</u> ave			Ď		settings		Soundo		Sounds	
	Η		Data outp	nut( <u>P</u> )	•								
			<u>E</u> xit										
			Language		⊙ E	nglish	ı	🔵 Jaj	pai	nese	0	Other	
			System nam	ıe	SX-3	2000							

**Step 1.** Select [File  $\rightarrow$  Save] from the menu bar on the Setting Software.

A "Save As" dialog is displayed.

Save					? 🔀
Save in:	🞯 Desktop		<ul> <li>G</li> </ul>	) 📂 🛄-	
My Recent Documents Desktop My Documents	My Documents My Computer My Network Pla	ces			
<b>S</b>	File <u>n</u> ame:	Sx2k2nd.smd		<b>v</b>	<u>S</u> ave
My Network	Save as <u>t</u> ype:	SMD files (*.SMD)		<b>~</b>	Cancel

Step 2. Using the "Save in" pull-down menu, select the drive assigned to the CF card.

Step 3. Set a "File name."

Notes

- The filename "Sx2k2nd.smd" is assigned by default.
- When using the SX-2000SM to read a CF card, be sure to use the filename "Sx2k2nd.smd." Setting data cannot be read if a different filename is used.

Step 4. Press the [Save] button.

Write of the setting data starts.

The screen below is displayed during data write.



The screen below is displayed after the data write has been completed.

SX-2000	Management tool 🛛 🔀
١	Writing of setting data completed.
	ОК

Step 5. Press the [OK] button.

# **16. READING THE SETTINGS FILE**

Read the saved settings file into the Setting Software.

**Step 1.** Select [File  $\rightarrow$  Open] from the menu bar on the Setting Software.

	😼 SX-2000 Manag	ement to	ol(Superuser)	
<	File     View     Comm       New     Open       Save       Data output(P)       Exit	mication	Help Surveil- lance settings Prior	ity gs Pattern settings
	Language	💽 English	🔿 Japanese	Other
	System name	SX-2000		

An "Open" dialog is displayed.

							? 🞽
🗀 SX-2000		~	0	ø	ø	•	
त्त् Sx2k2ndsmd							
īle name:	Sx2k2nd smd				~	1	Deen
Files of type:	SMD files (*.SMD)				~		Cancel
	SX-2000	SX-2000         SX-2k-2nd smd         ile pame:       Sx2k-2nd smd         ile of type:       SMD files (".SMD)	SX:2000       SX:2k2nd.smd       Ile game:     Sx2k2nd.smd       iles of type:     SMD files (".SMD)	SX:2000 <ul> <li>             SX:201 smd         </li> </ul> Ile game:       Sx2k:2nd smd          iles of type:       SMD files ("SMD)	SX-2000  SX-20d smd  SX2k2nd smd  Regame: SX2k2nd smd  SX2k2nd smd  SX2k2nd smd  SX2k2nd smd  SX2k2nd smd  SMD files ("SMD)	ile game: Sx2k2nd smd v SxDk files (*SMD) v	SX-2000       Image: Compared and the second and the sec

**Step 2.** Designate the folder where the settings file is saved, and select the file, then press the [Open] button. Read of the settings file starts.

The screen below is displayed during file read.

🙀 SX-2000 Management tool 🛛 🕅
Setting data file reading
Please wait for a moment.

The screen below is displayed after the file read has been completed.



Step 3. Press the [OK] button.

### [When reading the old version Settings file (s2d format)]

Step 1. Select [File → Open] from the menu bar on the Setting Software. An "Open" dialog is displayed.

	<u>File View Communi</u>	cation	<u>H</u> elp		
Π	New		(Sumuri7	( )	
	<u>O</u> pen		lance	Priority	Pattern
	Save		settings	settings	settings
Η	Data output( <u>P</u> )	•			
	Exit				

An "Open" dialog is displayed.

Open						? 🛛
Look jn:	🚞 SX-2000		~	3 🦻	•111 🥙	
My Recent Documents	₩Sx2k2nd.smd					
Desktop						
My Documents						
My Computer						
	File <u>n</u> ame:	Sx2k2nd.smd			▼ (	<u>O</u> pen
My Network	Files of type:	SMD files (*.SMD)			<b>~</b> (	Cancel

Step 2. Select "S2D files (\*.S2D)" in the File type box.



Step 3. Select the SX-2000 Settings data saved in the form of a file with the extension "s2d," then click the [Open] button.

Open						? 🔀
Look in	🗀 SX-2000		~	3 🦻	•111 🥙	
My Recent Documents	₫ SX2000.s2d					
Desktop						
My Documents						
My Computer						
	File name:	SX2000.s2d			<b>~</b> (	<u>O</u> pen
My Network	Files of type:	S2D files (*.S2D)			•	Cancel

Step 4. When the screen below is displayed, click the [Yes] button.



This starts Setting file reading. The screen below is displayed during a read operation.

The screen below is displayed after settings file reading is complete.

SX-2000	Management tool
(	Reading the setting data was completed.
	ОК

Step 5. Click the [OK] button.

### Note

Reading the settings data saved in the "s2d" file format causes the following settings items to be automatically converted.

### [Remote Microphone's chime volume setting]

The setting range of the Remote Microphone's chime volume is from 0 to -20 dB (in 1 dB steps) for the old version Setting Software and from 0 to -20 dB (in 2 dB steps) for the new Setting Software.

If the old parameter is an odd number, the new one becomes the value increased by 1 from that old parameter.

(Example)

	Before conversion (s2d format)	After conversion (smd format)
Chime volume	0 dB	0 dB
	-1 dB	0 dB
	–15 dB	–14 dB
	–20 dB	–20 dB

### [Priority level settings]

The priority level parameters on the new Setting Software become the values increased by 257 from those set using the old version Setting Software.

	Before conversion (s2d format)	After conversion (smd format)
Duiovitus las sal	0	257
	10	267

### [Output zone pattern settings]

For the general broadcast patterns and RM zone selection patterns set using the old version Setting Software, only their pattern names and output destination zones are converted as output zone patters on the new Setting Software.

If there exist the patterns assigned different names and input sound sources but assigned the same output destination using the old version Setting Software, their output zone pattern names are converted in the following priory order: "General broadcast pattern" > "RM zone selection pattern" and "Smaller pattern No." > "Larger patter No."

Pattern	Pattern name	Sound source	Output destination
General broadcast pattern 1	PAGE_PTN1	Al1 CH5	AO1-AO2 ZONE1
General broadcast pattern 2	PAGE_PTN2	AI1 CH5	AO1-AO2 ZONE2
	1	1	
General broadcast pattern 7	PAGE_PTN7	Al1 CH5	AO1-AO2 ZONE7
General broadcast pattern 8	PAGE_PTN8	Al1 CH5	AO1-AO2 ZONE1-ZONE8
General broadcast pattern 9	PAGE_PTN9	Al1 CH6	AO1-AO2 ZONE1
General broadcast pattern 10	PAGE_PTN10	AI1 CH6	AO1-AO2 ZONE2
	1	     	
General broadcast pattern 16	PAGE_PTN16	Al1 CH6	AO1-AO2 ZONE1-ZONE8
RM zone selection pattern 1	RM_PTN1		AO1-AO2 ZONE1-3-5-7
RM zone selection pattern 2	RM_PTN2		AO1-AO2 ZONE2-4-6-8
RM zone selection pattern 128	RM_PTN128		AO1-AO2 ZONE1-ZONE8

names and input sound sources but assigned the same output destination, the new pattern(s) will be created by avoiding duplication of output zone patterns. In this example, as the patterns' output destinations in red are

If there exist the patterns assigned different pattern

duplicated with those listed above, these patterns will not be converted into the new Setting Software data according to the said conversion order rule.

Setting data on the new version Setting Software

Setting data set on the old version Setting Software

Data conversion

Pattern	Pattern name	Output destination
Output zone pattern 1	PAGE_PTN1	AO1-AO2 ZONE1
Output zone pattern 2	PAGE_PTN2	AO1-AO2 ZONE2
Output zone pattern 7	PAGE_PTN7	AO1-AO2 ZONE7
Output zone pattern 8	PAGE_PTN8	AO1-AO2 ZONE1-ZONE8
None		
None		
None		
Output zone pattern 9	RM_PTN1	AO1-AO2 ZONE1-3-5-7
Output zone pattern 10	RM_PTN2	AO1-AO2 ZONE2-4-6-8
	1	
None		

Only the patterns of which output destinations are not duplicated in the general broadcast patterns and RM zone selection patterns can be reflected as output destination zone patterns in the settings data on the new Setting Software. Their pattern names remain unchanged.

### [Event settings]

The following functions set in the "Control input settings" or "RM function key settings" using the old version of the Setting Software are automatically converted.

No.	Before conversion (s2d format)	After conversion (smd format)
(1)	Volume change (UP, Pulse)	Zone volume adjustment (Pulse)
(2)	Volume change (DOWN, Pulse)	Zone volume adjustment (Pulse)
(3)	Volume change (UP, Level)	None (Inconvertible)
(4)	Volume change (DOWN, Level)	Zone volume attenuation (Level)

#### Note

Functions of (1), (2), and (4) at left may become "None" after conversion depending on amount of volume change made before conversion.

# **17. PRINTING SETTINGS DATA**

Settings data can be output as data file in CSV format, which then can be printed.

**Step 1.** Select [File  $\rightarrow$  Data output  $\rightarrow$  Settings data] from the menu bar on the Setting Software.

	S <sub>X</sub> S	X-2000 M	lanage	emen	t to	ol(Superi	iser)				
	File	<u>V</u> iew	<u>C</u> ommi	nicatio	n	<u>H</u> elp					
ľ		<u>N</u> ew			٦	Survaii		(		(	
		<u>O</u> pen		n		lance		Prio	rity		Patter
		<u>S</u> ave		ľ		setting	s	JEILI	·53	1	Jenny
4		Data outpu	1t( <u>P</u> )	•		Setting data(	<u>C</u>				
		<u>E</u> xit				RM label( <u>L</u> )					
	_			_							
		Language		💽 En;	glish		🔵 Japai	nese		00	Other
		System name	2	SX-20	000						

A "Setting data output" dialog is displayed.

Setting data ou	itput					? 🗙
Savejn:	🞯 Desktop		*	3 🕫	• 📰	
My Recent Documents Desktop My Documents	My Documents My Computer My Network Pla	ces				
	File <u>n</u> ame:	Sx2k2nd.csv			~	<u>S</u> ave
My Network	Save as <u>t</u> ype:	csv files (*.csv)			*	Cancel

Step 2. Using the "Save in" pull-down menu, select the folder where the settings file to be printed is saved.

### Step 3. Set a "File name."

Note The filename "Sx2k2nd.csv" is set by default. When changing the filename, be sure to add a filename extension (csv). Example: 0605setting\_file.csv

### Step 4. Press the [Save] button.

This starts saving the setting data. The screen below is displayed during data save.

🛐 SX-2000 Management tool 🛛 🕅
Exporting the CSV file
Please wait for a moment.

The screen below is displayed when the save has finished.

SX-2000	Management tool 🔀
٩	CSV file export completed.
(	OK

Step 5. Press the [OK] button to close the screen.

Step 6. Open the saved .csv file and print.

# **18. PRINTING LABELS FOR REMOTE MICROPHONES**

To print a label for a Remote Microphone, first use the Setting Software to output the microphone's function key assignments to an Excel file (book).

### Note

Printing this label will require that Excel has been installed and configured correctly on the PC.



**Step 1.** Select [File  $\rightarrow$  Data output  $\rightarrow$  RM label] from the menu bar on the Setting Software.

🛐 SX-2000 Management tool(Superuser)					
File View Communication	Help				
New	Survail-				
Open n	lance				
Save	settings , settings , settings ,				
Data output( <u>P</u> ) 🕨	Setting data(C)				
<u>E</u> xit	RM label(L)				
Language 💽 English	Japanese O Other				
System name SX-2000					

An "RM label output" dialog is displayed.

RM label outpu	ut			? 🛛
Save jn:	🞯 Desktop	~	3 🕸 🖻	
My Recent Documents	My Documents My Computer	ices		
My Documents				
My Computer				
	File <u>n</u> ame:	Sx2k2nd.xls	~	<u>S</u> ave
My Network	Save as type:	xls files (*.xls)	~	Cancel

Step 2. Using the "Save in" pull-down menu, select the folder where the data for label print is to be saved.

Step 3. Set a "File name."

### Notes

- The filename "sx2k2nd.xls" is assigned by default.
- When changing the filename, be sure to add a filename extension (xls).
  - Example: 0605rm\_label.xls
- Step 4. Press the [Save] button.

Read of the data for printing labels starts. The screen below is displayed during data read.

The screen below is displayed after the data read has been completed.

SX-2000	Management tool 🔀
٩	RM label export completed.
(	ОК

Based on their ID numbers, separate worksheets are produced in the resulting Excel file (book) for each RM-200SF or RM-200SA unit connected to the SX-2000AI or SX-2100AI. The initial printing range for each ID number is 1 page for the RM-200SF or RM-200SA. It is also 1 page for the RM-210 when an RM-210 is connected to the RM-200SF or RM-200SA, and this applies even if multiple RM-210 units are connected.

Step 5. Open the saved .xls (Excel) file and print.

### Notes

- The actual print area and the width of the printed label may vary slightly depending on the type of printer used.
- If the labels cannot be printed out correctly, refer to the separate Installation Manual, "Creating remote microphone name labels."
- The paper used for the name label must be under 0.2 mm in thickness.



### Note

RM-210's key names are printed in the label boxes as many as the number of the set RM-210 units. (In the example above, 2 RM-210 units are set for the RM-200SA.)



### Note

RM-210's key names are printed in the label boxes as many as the number of the set RM-210 units. (In the example above, 2 RM-210 units are set for the RM-200SF.)

# **19. TERMINATING SETTING SOFTWARE**

Exit the Setting Software after all necessary settings and file outputs have been completed.

[File  $\rightarrow$  Exit] from the menu bar on the Setting Software.

S <sub>X</sub>	SX-2000 Man	agement tool(Superuser)
F	ile <u>V</u> iew <u>C</u> on	uminication <u>H</u> elp
	<u>N</u> ew	Sumail
	<u>O</u> pen	n lance Priority Pattern
	Save	settings
Η	Data output(P)	•
	Exit	
Language 💿 English		English O Japanese O Other
	System name	SX-2000

# Note

If the setting file is not saved, the dialog below is displayed.

SX-2000	Management tool	$\mathbf{X}$
Do you want to save the present setting fi		
	Yes No Cancel	



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