



Delivering Wireless Excellence



Wireless Product Line Up





MUSIC AND WORDS

For over a quarter of a century TOA has been committed to developing vocal and speech radio products to the highest specification at the cutting edge of technology.

We are proud to have become synonymous with high quality and reliability.

The introduction of Trantec S5/S4 wireless microphones has completed the TOA line up that allows integration into a wide and varied market sector that makes challenging demands within professional audio, broadcast, film, music and theatre.

Additionally, TOA 5000 series has also been the first choice by many for the perfect match when it comes to performance, reliability and build quality to face the daily requirements that sports, conferencing, education and houses of worship have come to expect.

TOA, sound without compromise...



TRANTEC Wireless Microphone Systems S5 and S4 Series

The Trantec S5 and S4 Series is synonymous with quality among vocalists, musicians and theatrical performers. Additionally, presenters and the like also enjoy the wide variety of accessories that Trantec has to offer, allowing them to meet their professional needs.



TOA Wireless Microphone Systems 5000 Series

TOA 5000 Series is the ultimate choice for the presenter, offering incredible intelligibility so your audience won't miss a single word.

You can be assured that with TOA's continuous commitment to research and development, we will always provide wireless solutions that allow your voice to be heard clearly by all.



S5

5000

S4

SYSTEM SELECTION

Use	Trantec S5.5 Up to 24 Channels	TOA 5000 Up to 16 Channels	Trantec S5.3 Up to 12 Channels	Trantec S4.16 Up to 12 Channels	Trantec S4.4 Up to 4 Channels
	Pages: 2-3	Pages: 6-11	Pages: 4-5	Pages: 12-15	Pages: 16-17
Vocal	 <p>S5.5 H with HDX/HCX</p>	 <p>Many combinations of transmitters and tuners</p>	 <p>S5.3 H with HDX/HCX</p>	 <p>S4.16, S4.16RX2 with HDX/HCX</p>	 <p>S4.4 with HDX/HCX</p>
Presentation	 <p>S5.5 with SJ22/X2/X22</p>	 <p>Many combinations of transmitters and tuners</p>	 <p>S5.3 B with X2/X22</p>	 <p>S4.16, S4.16RX2 with LP2</p>	 <p>S4.4 L with LP2 S4.4 H with HDX/HCX</p>
Hands Free	 <p>S5.5 B with X33</p>	 <p>WM-5325 with WH-4000A and Tuner</p>	 <p>S5.3 B with X33</p>	 <p>S4.16 B with SJ33</p>	 <p>S4.4 B with SJ33</p>
Instrument	 <p>S5.5 B with X2</p>		 <p>S5.3 B with X2</p>	 <p>S4.16 L with LP2 and Instrument Cable</p>	 <p>S4.4 B with LP2 and Instrument Cable</p>
Sports/ Aerobic	 <p>S5.5 B with X66</p>	 <p>WM-5325 with WH-4000A & WT-5810</p>	 <p>S5.3 B with X66</p>	 <p>S4.16 B with SJ66 & AB1000</p>	 <p>S4.4 B with SJ66 & AB1000</p>
Theatre	 <p>S5.5 B with X22-P-R</p>		 <p>S5.3 B with X22-P-R</p>	 <p>S4.16 B, S4.16 RX2 with SJ22-P-R</p>	 <p>S4.4 B with SJ22-P-R</p>

S5.5 SERIES

24 Channel Wireless Solution

S5.5 Receiver

25 years after pioneering the first readily available radio mics, Trantec's foresight and imagination has again taken wireless to a whole new level with their ground-breaking S5 Series. Based upon the award winning S6000, widely used in theatre and broadcast, the S5 Series promises a powerful set of features combined with an exceptional performance/cost ratio.

For venues of any size, we suggest you check out the specifications of this remarkable system.

The S5.5, one of our latest multi-channel UHF products, is the big brother of the successful S5.3 system; it has up to 35MHz of bandwidth that will enable you to run up to 24 channels simultaneously at a price you will find hard to match.

Fully synthesised UHF dual conversion receiver with features including graphic LCD, display jog wheel, IR data link, and headphone monitor.



Features:

- ✂ True diversity operation
- ✂ Up to 1400 selectable frequencies
- ✂ Interactive USB based computer control and monitoring for all aspects of performance
- ✂ Frequency scan function
- ✂ Integral triple tone grip/noise and signal strength mute circuit for protection against external interference
- ✂ Simple programming of transmitter with built-in Infra-red data link
- ✂ Clear and intuitive LCD display
- ✂ EQ and phase reversal
- ✂ Professional metal enclosure



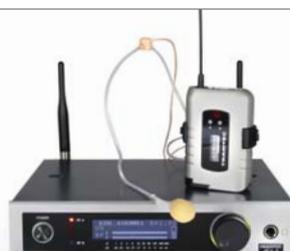
For accessories see pages 22-25
*0dB=1V

Power Consumption	300 mA (13 V DC)	S/N Ratio	110 dB or more (A-weight)
Diversity System	Space diversity (true diversity)	Harmonic Distortion	1% or less (typical)
Audio Output	Line: -22 dB*/ Mic: -62 dB* Line/Mic selectable, 600 Ω, balanced, XLR-3-32 type connector. Headphone: max. 100 mW 16 Ω, unbalanced, phone jack -28 dB*, 600 Ω, unbalanced, phone jack	Frequency Response	50 Hz - 20 kHz, ±3 dB
Antenna Phantom Power	9 V DC, 30 mA (max) (Available to turn off phantom power)	Function	Audio Low-cut, High-boost and phase reverse, Battery indicator (7 steps), Headphone output, Infra-Red link port, Channel scan, Monitoring software with USB connectivity
Receiving Sensitivity	0 dB μV or less (12 dB SINAD)	Dimensions	210 (W) x 46 (H) x 210 (D) mm (8.27" x 1.81" x 8.27") (excluding antenna)
Squelch Sensitivity	6 - 36 dB μV variable	Weight	1.3kg (2.87lb)
Squelch System	Using together of noise SQ, carrier SQ and tone SQ	Frequency Bands	606-638, 636-666, 668-698, 692-722, 722-752, 740-752, 794-830, 830-865 MHz
Indicator	LCD, Power lamp, Mute lamp, ANT A/B lamp		1400 channel capability (24 Simultaneous channels)

S5.5 RX Receiver 24 Channel Wireless Solution



S5.5 B Aerobic System
Supplied with X66



S5.5 B Theatre System
Supplied with X22-P-R



S5.5 B Earworn System
Supplied with EM77-P



S5.5 Handheld

Fully synthesised UHF handheld transmitter with features including: integral LCD, IR data link, battery status indicator, digital gain control, microphone mute switch.

Features:

- ✂ Simple programming of transmitter with built-in Infra-red data link
- ✂ Frequency & Power lock facility
- ✂ Single AA operation of transmitters with battery life of over 10 hours
- ✂ Integral antenna
- ✂ Clear and intuitive LCD display
- ✂ Colour coded ID band
- ✂ Professional metal enclosure

Options:

- ✂ S5.5 HDX Dynamic Capsule
- ✂ S5.5 HCX Condenser Capsule.

RF Carrier Power	Less than 50mW (Factory preset 10mW ERP)
Maximum Input Level S5.5 HDX	146 dB SPL (microphone sensitivity: Gain "0")
Maximum Input Level S5.5 HCX	142 dB SPL (microphone sensitivity: Gain "0")
Audio Frequency Response S5.5 HDX	60 Hz - 20 kHz
Audio Frequency Response S5.5 HCX	90 Hz - 20 kHz
Dynamic Range	110 dB or more (with S5.5-RX)
Battery	LR6 (AA)
Battery Life	10 hours (Alkaline)
Indicator	LCD display, Power lamp
Function	Mute switch, Infra-Red link port, Battery life indicator (4 steps), Microphone sensitivity adjustment (Gain 0-2; 12dB)
Dimensions S5.5 HDX	ø50 x 247.9 mm (ø1.97" x 9.76")
Dimensions S5.5 HCX	ø50 x 232.9 mm (ø1.97" x 9.17")
Weight S5.5 HDX	380g (0.84lb) (with battery)
Weight S5.5 HCX	300g (0.66lb) (with battery)

**S5.5 HDX/HCX Handheld
24 Channel Wireless Solution**



S5.5 Beltpack

Fully synthesised UHF beltpack transmitter with features including: integral LCD, IR data link, battery status indicator, digital gain control.

Features:

- ✂ Credit card size beltpack
- ✂ Simple programming of transmitter with built-in Infra-red data link
- ✂ Frequency & Power lock facility
- ✂ Clear and intuitive LCD display
- ✂ Single AA operation of transmitters with battery life of over 10 hours
- ✂ Detachable antenna
- ✂ Professional metal enclosure

RF Carrier Power	Less than 50mW (Factory preset 10mW ERP)
Modulation System	PLL synthesizer
Maximum Input Level	120 dB SPL (microphone sensitivity: Gain "0")
Audio Input Connector	TA-4 (Mini-XLR 4 pins)
Battery	LR6 (AA)
Battery Life	10 hours (Alkaline)
Indicator	LCD display, Power lamp
Function	Infra-red Link Port, Battery life indicator (4 steps), Microphone sensitivity adjustment (Gain 0-9; 20dB)
Dimensions	55 (W) x 80 (H) x 22 (D) mm (2.17" x 3.15" x 0.87")
Weight	140g (0.31lb) (with battery)

**S5.5 BTX Beltpack
24 Channel Wireless Solution**



S5.5 Handheld System
Supplied with HDX / HCX



S5.5 L Lavalier System
Supplied with X2



S5.5 B Active System
Supplied with X33

S5.3 SERIES

12 Channel Wireless Solution

S5.3 Receiver

25 years after pioneering the first readily available radio mics, Trantec's foresight and imagination has again taken wireless to a whole new level with their ground-breaking S5 Series. Based upon the award winning S6000, widely used in theatre and broadcast, the S5 Series promises a powerful set of features combined with an exceptional performance/cost ratio. For venues of any size, we suggest you check out the specifications of this remarkable system.

The S5.3, one of our latest multi-channel UHF products, is the little brother of the successful S5.5 system. It will enable you to run up to 12 channels simultaneously at a price you will find hard to match.

Fully synthesised UHF dual conversion receiver with features including graphic LCD, display jog wheel, IR data link, and headphone monitor.



Features:

- ✧ True diversity operation
- ✧ Up to 640 selectable frequencies
- ✧ USB based computer monitoring
- ✧ Frequency scan function
- ✧ Integral triple tone grip/noise and signal strength mute circuit for protection against external interference
- ✧ Simple programming of transmitter with built-in Infra-red data link
- ✧ Clear and intuitive LCD displays
- ✧ Professional metal enclosure.

For accessories see pages 22-25
*0dB=1V

Power Consumption	300 mA (13 V DC)	Indicator	LCD, Power lamp, Mute lamp, ANT A/B lamp
Diversity System	Space diversity (true diversity)	S/N Ratio	110 dB or more (A-weight)
Audio Output	Line: -22 dB*/ Mic: -62 dB* Line/Mic selectable, 600 Ω, balanced, XLR-3-32 type connector Headphone: max. 100 mW 16 Ω, unbalanced, phone jack -28 dB*, 600 Ω, unbalanced, phone jack	Harmonic Distortion	1% or less (typical)
Antenna Phantom Power	9 V DC, 30 mA (max) (Available to turn off phantom power)	Frequency Response	50 Hz - 20 kHz, ±3 dB
Receiving Sensitivity	0 dB μV or less (12 dB SINAD)	Function	Battery indicator (7 steps), Headphone output, Infra-Red link port, Channel scan, Monitoring software with USB connectivity
Squelch Sensitivity	6 - 36 dB μV variable	Dimensions	210 (W) x 46 (H) x 210 (D) mm (8.27" x 1.81" x 8.27") (excluding antenna)
Squelch System	Using together of noise SQ, carrier SQ and tone SQ	Weight	1.3kg (2.87lb)
		Frequency Bands	606-622, 830-866, 854-865 MHz 640 channel capability (12 Channels simultaneously)

S5.3 RX Receiver 12 Channel Wireless Solution



S5.3 B Aerobic System
Supplied with X66



S5.3 B Theatre System
Supplied with X22-P-R



S5.3 B Earworn System
Supplied with EM77-P



S5.3 Handheld

Fully synthesised UHF handheld transmitter with features including: integral LCD, IR data link, battery status indicator, digital gain control, microphone mute switch.

Features:

- ✂ Simple programming of transmitter with built-in Infra-red data link
- ✂ Frequency & Power lock facility
- ✂ Single AA operation of transmitters with battery life of over 10 hours
- ✂ Integral antenna
- ✂ Clear and intuitive LCD display
- ✂ Colour coded ID band
- ✂ Professional metal enclosure.

Options:

- ✂ S5.3 HDX Dynamic Capsule
- ✂ S5.3 HCX Condenser Capsule.

RF Carrier Power	Less than 50mW (Factory preset 10mW ERP)
Maximum Input Level S5.3 HDX	146 dB SPL (microphone sensitivity: Gain "0")
Maximum Input Level S5.3 HCX	142 dB SPL (microphone sensitivity: Gain "0")
Audio Frequency Response S5.3 HDX	60 Hz - 20 kHz
Audio Frequency Response S5.3 HCX	90 Hz - 20 kHz
Dynamic Range	110 dB or more (with S5.3-RX)
Battery	LR6 (Single AA)
Battery Life	10 hours (Alkaline)
Indicator	LCD display, Power lamp
Function	Mute switch, Infra-Red link port, Battery life indicator (4 steps), Microphone sensitivity adjustment (Gain 0-2; 12dB)
Dimensions S5.3 HDX	ø50 x 247.9 mm (ø1.97" x 9.76")
Dimensions S5.3 HCX	ø50 x 232.9 mm (ø1.97" x 9.17")
Weight S5.3 HDX	380g (0.84lb) (with battery)
Weight S5.3 HCX	300g (0.66lb) (with battery)

**S5.3 HDX/HCX Handheld
12 Channel Wireless Solution**



S5.3 Beltpack

Fully synthesised UHF beltpack with features including: integral LCD, IR data link, battery status indicator, digital gain control.

Features:

- ✂ Credit card size beltpack
- ✂ Simple programming of transmitter with built-in Infra-red data link
- ✂ Frequency & Power lock facility
- ✂ Single AA operation of transmitters with battery life of over 10 hours
- ✂ Detachable antenna
- ✂ Clear and intuitive LCD display
- ✂ Professional metal enclosure.

RF Carrier Power	Less than 50mW (Factory preset 10mW ERP)
Modulation System	PLL synthesizer
Maximum Input Level	120 dB SPL (microphone sensitivity: Gain "0")
Audio Input Connector	TA-4 (Mini-XLR 4 pins)
Battery	LR6 (Single AA)
Battery Life	10 hours (Alkaline)
Indicator	LCD display, Power lamp
Function	Infra-red Link Port, Battery life indicator (4 steps), Microphone sensitivity adjustment (Gain 0-9; 20dB)
Dimensions	55 (W) x 80 (H) x 22 (D) mm (2.17" x 3.15" x 0.87")
Weight	140g (0.31lb) (with battery)

**S5.3 BTX Beltpack
12 Channel Wireless Solution**



S5.3 Handheld System
Supplied with HDX / HCX



S5.3 L Lavalier System
Supplied with X2



S5.3 B Active System
Supplied with X33

5000 SERIES

Wireless Tuner



WT-5810 Space Diversity Tuner

The WT-5810 Wireless Tuner is designed for use on the UHF band, and suitable for vocal or speech reinforcement applications.

It features a compounder circuit that minimizes the influence of ambient noise. 16 different operating frequencies ranging from 576 to 865 MHz. Optimized PLL-synthesizer minimizes the oscillation frequency drift resulting from the ambient temperature change.

Compact size and high reliability.

Features:

- ✧ Phase Locked Loop (PLL) synthesis operation
- ✧ 16 selectable channel frequencies
- ✧ TOA space diversity technology
- ✧ Double super-heterodyne receiving system
- ✧ Auto mixing input function
- ✧ Squelch function (carrier, noise, tone)
- ✧ Usable frequencies scanning and vacant channel search function
- ✧ Compact portable design
- ✧ Comander circuitry for minimizing ambient noise
- ✧ Rod antenna x 2
- ✧ Balanced output (XLR connector) and phone jack output
- ✧ Low-battery indicator (Wireless microphone's battery voltage becomes low)



WT-4820 Tuner

MODULAR DUAL CHANNEL WIRELESS RECEIVER combines cutting-edge wireless technology with user benefits such as fast setup, simple operation and reliable performance.

The WT-4820 accepts up to two WTU-4800 Diversity Tuner Modules available in 3 different frequency bands with sixteen user-selectable channels in the UHF band with simultaneous operation of up to sixteen channels.

Features:

- ✧ 16 selectable channel frequencies
- ✧ Antenna cascade output function (parallel connection possible for linking two WT-4820 units)
- ✧ TOA space diversity technology
- ✧ Auto mixing input function
- ✧ Tuner unit connections accessible from the front (even if rack mounted the front panel opens easily).
- ✧ Mix output/tuner 1 output (selectable); tuner 2 has 2 outputs.
- ✧ Whip antenna x 2
- ✧ Compact half-rack size body
- ✧ External antenna input



5000 SERIES

Wireless Tuner



WT-5805 Space Diversity Tuner

Space diversity reduces a fading effect of a received signal and generates a constant output regardless of a variation of a signal-to-noise ratio of the received signal.

The space diversity receiver compares a signal-to-noise ratio of a signal received from a first antenna and a signal-to-noise ratio of a signal received from a second antenna, so as to amplify the received signal having a higher signal-to-noise ratio and attenuate the received signal having a lower signal-to-noise ratio.

The amplified signal is combined with the attenuated signal.

Features:

- ✂ Phase Locked Loop (PLL) synthesis operation
- ✂ 64 selectable channels
- ✂ TOA space diversity technology
- ✂ Double super-heterodyne receiving system
- ✂ Two-line LCD display
- ✂ Auto mixing input function
- ✂ Squelch function (carrier, noise, tone)
- ✂ Usable frequencies scanning and vacant channel search function
- ✂ Compact half-rack size body
- ✂ 6 points audio level meter for microphone sensitivity adjustment
- ✂ Compander circuitry for minimizing ambient noise
- ✂ Whip antenna x 2
- ✂ Low-battery indicator (Wireless microphone's battery voltage becomes low).



WT-5800 True Diversity Tuner

The 5000 series tuners are designed to deliver outstanding performance, stability and reliability. A wide choice of channels can be obtained by the using PLL-synthesized oscillators enabling the selection of channels freely without interference.

Additionally, the 5000 series provide significantly less potential for noise caused by antenna changeover, by employing true diversity and space diversity methods. Two-line LCD display enables faster meter reading. Remaining battery power indication. PLL synthesis is incorporated to generate highly accurate frequency output signals that help achieve better overall system performance. For further performance enhancement, a TOA diversity system eliminates dead spots and provides more stable signal reception. Noise reduction is improved with a squelch function (carrier, noise, tone), and a compander function minimising ambient noise. For easier operation, a Channel Check function simplifies channel setting operations on microphones using multiple channels simultaneously.

Features:

- ✂ Phase Locked Loop (PLL) synthesis operation
- ✂ 64 selectable channels
- ✂ True diversity technology
- ✂ Double super-heterodyne receiving system
- ✂ Two-line LCD display
- ✂ Auto mixing input function
- ✂ Squelch function (carrier, noise, tone)
- ✂ Usable frequencies scanning and vacant channel search function
- ✂ Compact half-rack size body
- ✂ 6 points audio level meter for microphone sensitivity adjustment
- ✂ Compander circuitry for minimizing ambient noise
- ✂ Antenna distribution output
- ✂ Whip antenna x 2
- ✂ Low-battery indicator (wireless microphone's battery voltage becomes low)

5000 SERIES

Wireless Microphones

Handhelds

Two handheld microphones powered by rechargeable batteries.

Supported by the WM-5325 wireless transmitter, which also operates on rechargeable batteries, the new WM-5265 vocal microphone and WM-5225 speech microphone maintain the Series' high performance standards while lowering operating costs.

The ability to use rechargeable batteries, which permit up to 13 hours continuous use before recharging, offers the additional advantage of enhancing equipment reliability by assuring that every activity begins with the batteries fully charged.

A selection of three new high-efficiency battery chargers for 2, 6 or 12 batteries and a single-battery microphone add further flexibility to the product line-up.

Features:

WM-5270

- ✕ Dynamic microphone unit: Unidirectional
- ✕ 64 selectable channels
- ✕ Maximum input level: 142 dB SPL
- ✕ Rolling stopper prevents the microphone from rolling.
- ✕ Single AA battery operation for more compact and light weight body
- ✕ Built-in antenna



WM-5270

WM-5265

- ✕ Dynamic microphone unit: Unidirectional
- ✕ 64 selectable channels
- ✕ Maximum input level: 132 dB SPL
- ✕ ON/OFF switch prevents the microphone from rolling
- ✕ WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- ✕ Built-in antenna



WM-5265

WM-5225

- ✕ Electret condenser microphone unit: Unidirectional
- ✕ 64 selectable channels
- ✕ Maximum input level: 126 dB SPL
- ✕ ON/OFF switch prevents the microphone from rolling.
- ✕ WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- ✕ Built-in antenna



WM-5225



UHF WIRELESS

Microphone Sets



WS-5225
WM-5225 + WT-5810



WS-5265
WM-5265 + WT-5810



WS-5325U
WM-5325 + YP-M5300 + WT-5810



WS-5325M
WM-5325 + YP-M5310 + WT-5810



WS-5325H
WM-5325 + WH-4000H + WT-5810

5000 SERIES

Beltpack Receiver/Transmitter

WM-5325

Wireless Transmitter

The WM-5325 wireless transmitter has been manufactured for use with a UHF system. It is for use in speech reinforcement applications. Thanks to the PLL-synthesizer system, 64 different operating frequencies are made available.

A high output power ensures stable radio signal transmission.

Features:

WM-5325

- ✂ 64 selectable channels
- ✂ Maximum input level: -14 dB to -29 dB
- ✂ Built-in circuitry minimizes ambient noise effects
- ✂ WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- ✂ Connector for 3.5 mini-plugs
- ✂ Built-in antenna



WM-4300

Wireless Transmitter

The WM-4300 lavalier wireless microphone has been manufactured for use with a UHF system. It incorporates a cardioid pick-up pattern and has been designed for use in vocal and speech reinforcement applications.

The built-in compressor-expander circuit minimizes the influence from ambient noise.

WM-4300

- ✂ Unidirectional electret condenser microphone element
- ✂ 64 selectable channels
- ✂ Input sensitivity control included
- ✂ Maximum input level: 120 dB SPL
- ✂ Built-in circuitry minimizes ambient noise effects.
- ✂ Highly reliable TA-4 (XLR-type) mini-cannon microphone plug
- ✂ Belt clip rotatable 360 degrees



WT-5100

Wireless Receiver

The WT-5100 is a Portable Receiver designed to receive UHF band radio signals. An optional earphone is required.



YP-E401

YP-E5000

WT-5100

- ✂ Commercial earphones can also be used (ø3.5 mm, impedance: over 16Ω)
- ✂ Allows up to 16 different frequencies to be received by selection
- ✂ An optimized PLL-synthesizer minimizes the oscillation frequency drift resulting from the ambient temperature or voltage fluctuation.
- ✂ WB-2000 rechargeable battery or single AA battery operation for compact and lightweight body
- ✂ Built-in antenna



	WM-5265	WM-5270	WM-5225
Microphone Element	Dynamic microphone: Unidirectional	Dynamic microphone: Cardioid	Electret condenser microphone: Unidirectional
Frequency Range	576 – 932 MHz*1, UHF	576 – 865 MHz*1, UHF	576 – 932 MHz*1, UHF
Channel Selectable	64 channels*1	64 channels*1	64 channels*1
Maximum Input Level	132 dB SPL	142 dB SPL	126 dB SPL
Battery	LR6 (AA) or WB-2000 (Ni-MH battery)	LR6 (AA)	LR6 (AA) or WB-2000 (Ni-MH battery)
Finish	Resin coating	Metal, dark gray	Resin, rubber coating
Dimensions	ø50 x 229 mm (ø1.97" x 9.02")	ø48 x 244 mm (ø1.89" x 9.61")	ø43 x 231.5 mm (ø1.72" x 9.11")
Weight	205 g (0.45lb) (with battery)	340 g (0.75lb) (with battery)	180 g (0.4lb) (with battery)
Accessories	Microphone holder (with stand adapter), Screw driver, Storage case	Microphone holder (with standadapter), Screw driver, Storage case, Rolling Stopper	Microphone holder (with stand adapter), Storage case

**WM-5265, WM-5270, WM-5225
Wireless Handheld Microphones**

	WM-4300	WM-5325
Microphone Element	Electret condenser microphone: Cardioid	—
Frequency Range	690 – 865 MHz*1, UHF	576 – 932 MHz*1, UHF
Channel Selectable	64 channels*1	64 channels*1
Maximum Input Level	120 dB SPL	-14 dB to -29 dB* (Audio level control: Min. to Max.)
Battery	6LR61 (9Vx1)	LR6 (AA) or WB-2000 (Ni-MH battery)
Finish	Resin, coating	Resin, coating (change other's)
Dimensions	62 (W) x 142 (H) x 32 (D) mm (2.44" x 5.59" x 1.26")	62 (W) x 102.5 (H) x 23 (D) mm (2.44" x 4.04" x 0.91")
Weight	135 g (0.30lb) (with battery)	90 g (0.2lb) (with battery)
Accessories	Storage case	Screw driver, Storage case, Neckstrap
Option	—	Ni-MH battery: WB-2000

**WM-4300, WM-5325
Wireless Beltpack Transmitters**

	WT-5100
Receiving Frequencies	UHF band (16 ch)
Receiving System	Double super-heterodyne
Receiving Sensitivity	Better than 60 dB Signal to Noise ratio (20 dB μ V input, \pm 40 kHz deviation)
Frequency Response	200 Hz – 5 kHz (Portable transmitter to Portable receiver)
Battery	LR6 (AA) or WB-2000 (Ni-MH battery)
Finish	Resin, dark silver
Dimensions	62 (W) x 163.6 (H) x 32.5 (D) mm (2.44" x 6.44" x 1.28")
Weight	125 g (0.28lb) (with battery)
Accessory	Neck strap x 1
Options	Ni-MH battery: WB-2000, Assist Earphone: YP-E5000 Ear-suspension Earphone: YP-E401

**WT-5100
Wireless Receiver**

	WT-5800	WT-5805	WT-5810	WT-4820
Power Requirement	AC mains (AC adapter must be used)			
Frequency Range	576 – 865 MHz*1, UHF	576 – 865 MHz*1, UHF	576 – 932 MHz	576 – 865 MHz*1, UHF (WTU-4800)
Channel Selectable	64 Selectable frequencies		16 channels	
Receiving System	Double Super-heterodyne			Double Super-heterodyne (WTU-4800)
Diversity System	True diversity	Space diversity	Space diversity	Space diversity (WTU-4800)
Mixing Output	MIC: -60 dB*2, 600 Ω , balanced, XLR-3-31 type connector LINE: -20 dB*2, 600 Ω , unbalanced, phone jack*			—
Mixing Input	-20 dB*2, 10 k Ω , unbalanced, phone jack			
Antenna	Whip antenna Rod antenna		Whip antenna	
Antenna Input	75 Ω , BNC,	9 V DC 75 Ω , BNC, 9 V DC	—	75 Ω , BNC, 9 V DC
Antenna Output	75 Ω , BNC (Gain 0dB)	—	—	75 Ω , BNC (Gain 0dB)
Receiving Sensitivity	90 dB or more			80 dB or more (WTU-4800)
Squelch Sensitivity	18 – 40 dB μ V variable			18 dB μ V (WTU-4800)
Tone Frequency	32.768 kHz			—
S/N Ratio	110dB or more (A-weight, unbalanced output)		104dB or more (A-weight, balanced output)	102dB or more (A-weight, balanced output)
Harmonic Distortion	1% or less (typical)			
Frequency Response	100 – 15,000 Hz, \pm 3 dB			50 – 18,000 Hz, \pm 3 dB
Finish	Resin, black			
Dimensions	210(W) x 44(H) x 205.1(D) mm (8.27" x 1.73" x 8.07")	210(W) x 44(H) x 205.1(D) mm (8.27" x 1.73" x 8.07")	206(W) x 40.6(H) x 152.7(D) mm (8.11" x 1.60" x 6.01")	210(W) x 44.2(H) x 181(D) mm (8.27" x 1.73" x 7.13")
Weight	700 g (1.54lb)	700 g (1.54lb)	590 g (1.30lb)	770 g (1.70lb) (without tuner module)

**WT-5800 WT-5805 WT-5810 WT-4820
Wireless Tuners**

* 1. The number of channels may differ from country to country

* 2. 0dB = 1V



S4.16 SERIES

12 Channel Wireless Solution



S4.16 Receiver

Multichannel wireless simply does not get any easier. Based on Trantec's award winning S4000 Series, the S4.16 is 16 channels of tough, reliable quality that is priced to suit the tightest of budgets.

This multifunction system is optimised for use with handheld, lapel mic and a range of headsets – or switch to use with a musical instrument. A single 9V battery gives approximately 10 hours of quality performance with a range of up to 100 metres.

Features:

- ✂ 16 selectable frequencies
- ✂ Up to 8 simultaneous channels
- ✂ Fully synthesised PLL quartz tuning technology
- ✂ Receiver LED's show AF Peak level, RF Level, and Diversity Channel A or B
- ✂ Diversity operation with detachable antennae
- ✂ Professional metal enclosure
- ✂ 19" rack mount option for one or two receivers.



*0dB=0.775V

Power Consumption	100 mA (12 V DC)	Frequency Response	100 - 15,000 Hz, ± 3 dB
Audio Output	Balanced output: +16 dB*(max), 600 Ω , balanced, XLR-3-31 type connector Unbalanced output: +10 dB*(max), 600 Ω , unbalanced, phone jack	Operation Temperature	-10°C to +45°C
Receiving Sensitivity	Over 90 dB, S/N ratio (20 dB μ V input, 40 kHz deviation)	Dimensions	214 (W) x 35 (H) x 100.5 (D) mm (8.4" x 1.39" x 6.06") (excluding antenna)
Squelch Sensitivity	18 - 40 dB μ V variable	Weight	580g (1.28lb)
Indicator	ANT A/B, Audio (peak), RF level, Power	Frequency Bands	606-614, 719-744, 854-865 MHz
S/N Ratio	Over 95 dB (A-weight, unbalanced output)	16 Channel Capability (12 Simultaneous Channels)	
Harmonic Distortion	Under 1% (typical)		

S4.16 RX Receiver 12 Channel Wireless System



S4.16B Aerobic System
Supplied with SJ66 & AB1000



S4.16 B Theatre System
Supplied with SJ22-P-R



S4.16 B Earworn System
Supplied with SJEM77-P



S4.16 Handheld

For powerful vocal performance or general speech applications, the S4.16 HDX is an ergonomically designed mic featuring a high quality Trantec cardioid dynamic capsule suitable for the most demanding of vocal applications.

Features:

- ✂ 16 selectable frequencies
- ✂ Fully synthesised PLL quartz tuning technology
- ✂ Detachable antenna
- ✂ Single 9V transmitter battery life of approx. 10 hours.



S4.16 Beltpack

The beltpack is equally at home in applications as diverse as a quiet church through to a grinding step class or a stadium rock'n'roll gig thanks to its range of matching microphone and cable options.

Features:

- ✂ 16 selectable frequencies
- ✂ Fully synthesised PLL quartz tuning technology
- ✂ Detachable antenna
- ✂ Locking 3.5mm jack
- ✂ Integral switch for selection between instrument and microphone
- ✂ Single 9V transmitter battery life of approx. 10 hours.

For accessories see pages 22-25

RF Carrier Power	Max. 10 mW
Modulation System	PLL Synthesizer
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 hours
Indicator	Battery Status LED
Dimensions	ø50 x 270 mm (ø1.97" x 10.63")
Weight	220g (0.49lb)

S4.16 HDX Handheld
12 Channel Wireless System

RF Carrier Power	Max. 10 mW
Modulation System	PLL synthesizer
Mic Input Connector	ø3.5 mini jack
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 hours
Indicator	Battery status LED
Dimensions	62 (W) x 102 (H) x 31.5 (D) mm (2.48" x 4.02" x 1.27") (excluding antenna)
Weight	90g (0.2lb)

S4.16 BTX Beltpack
12 Channel Wireless System



S4.16 Handheld System
Supplied with S4.16 HDX



S4.16 L Presenter System
Supplied with LP2 & Instrument Cable



S4.16 B Active System
Supplied with SJ33

S4.16 SERIES

8 Channel Wireless Solution



S4.16 Receiver

The S4.16 Dual Channel Wireless Receiver is a multifunctional system available in 16 selectable frequencies which can run up to 8 simultaneous channels.

The S4.16 couples efficiency and simplicity to ensure consistent performance each and every time.

The S4.16 Dual Channel permits multiple receivers to conjoin, perfect for schools, churches and audio visual applications.

Features:

- ✂ 16 selectable frequencies
- ✂ Up to 8 simultaneous channels
- ✂ Fully synthesised PLL quartz tuning technology
- ✂ Receiver LED's show AF Peak level, RF Level, and Diversity Channel A or B
- ✂ Diversity operation with detachable antennae
- ✂ 19" rack mount option for one or two receivers.



Power Consumption	250 mA (13.8 V DC)	Antenna Output	75Ω, BNC (Gain 0 dB)	
First If Frequency	55.875 MHz	Indicator	ANT A/B, Audio (peak), Power	
Second If Frequency	10.700 MHz	S/N Ratio	Over100dB(A-weight)	
Audio Output	AF Output 1:	Harmonic Distortion	Under 1%	
	+10dBu unbalanced via 1/4 inch mono jacksocket	Frequency Response	Handheld 80 Hz -16 kHz +/-3dB.	
	+16dBu balanced via XLR 3F connector Pin 2+	Beltpack 60 Hz -16 kHz +/-3dB.	Finish	Resin, black
	AF Output 2 BAL	Dimensions	210 (W) x 44 (H) x 181 (D) mm (8.27" x 1.73" x 7.13")	
Antenna Input	+10dBu unbalanced via 1/4 inch mono jacksocket.	Weight	720g (1.59lb)	
	+16dBu balanced via XLR 3F connector Pin 2+	Receiving Frequency	606-614 MHz.UHF	
Antenna Input	75Ω, BNC (phantom powering for antenna), 9 V DC, 30mA (max)			

S4.16 RX2 8 Channel Wireless Solution



S4.16 RX2 Aerobic System
Supplied with SJ66 & AB1000



S4.16 RX2-T Theatre System
Supplied with SJ22-P-R



S4.16 RX2-E Earworn System
Supplied with SJEM77-P



S4.16 Handheld

For powerful vocal performance or general speech applications, the S4.16 HDX is an ergonomically designed mic featuring a high quality Trantec cardioid dynamic capsule suitable for the most demanding of vocal applications.

Features:

- ✂ 16 selectable frequencies
- ✂ Fully synthesised PLL quartz tuning technology
- ✂ Detachable antenna
- ✂ Single 9V transmitter battery life of approx. 10 hours.



S4.16 Beltpack

The beltpack is equally at home in applications as diverse as a quiet church through to a grinding step class or a stadium rock'n'roll gig thanks to its range of matching microphone and cable options.

Features:

- ✂ 16 selectable frequencies
- ✂ Fully synthesised PLL quartz tuning technology
- ✂ Detachable antenna
- ✂ Locking 3.5mm jack
- ✂ Integral switch for selection between instrument and microphone
- ✂ Single 9V transmitter battery life of approx. 10 hours.

For accessories see pages 22-25

RF Carrier Power	Max. 10 mW
Modulation System	PLL Synthesizer
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 hours
Indicator	Battery Status LED
Dimensions	ø50 x 270 mm (ø1.97" x 10.63")
Weight	220g (0.49lb)

S4.16 Handheld

RF Carrier Power	Max. 10 mW
Modulation System	PLL synthesizer
Mic Input Connector	ø3.5 mini jack
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 hours
Indicator	Battery status LED
Dimensions	62 (W) x 102 (H) x 31.5 (D) mm (2.48" x 4.02" x 1.27") (excluding antenna)
Weight	90g (0.2lb)

S4.16 Beltpack



S4.16 RX2 Handheld System
Supplied with S4.16 HDX



S4.16 RX2-L Presenter System
Supplied with LP2 & Instrument Cable



S4.16 RX2-A Active System
Supplied with SJ33



S4.4 SERIES

Wireless Starter Pack



S4.4 Receiver

Trantec's S4.4 is a function-packed system designed to launch you into the world of wireless. Tough, reliable and compact, this multi-function system is optimised for use with handheld, lapel mic and a range of headsets – or switch to use with a musical instrument.

Not only does the S4.4 come with a bargain basement price tag, it is also extremely economical to run. Its four channels can be used licence free in the UK, and a single 9V battery will give you approximately 10 hours of quality performance with a range of up to 100 metres.

Features:

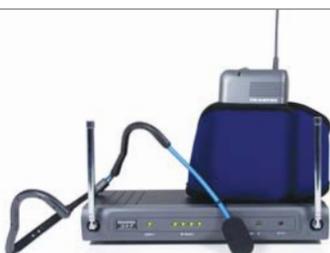
- ✂ Four switchable frequencies
- ✂ Fully synthesised PLL quartz tuning technology
- ✂ Receiver LED's show AF Peak level, RF Level, and Diversity Channel A or B
- ✂ Professional metal enclosure
- ✂ 19" rack mount option for one or two receivers



*0dB=0.775V

Power Consumption	100 mA (12 V DC)	Frequency Response	100 - 15,000 Hz, ± 3 dB
Audio Output	Balanced output: +16 dB*(max), 600 Ω , balanced, XLR-3-31 type connector Unbalanced output: +10 dB*(max), 600 Ω , unbalanced, phone jack	Operation Temperature	-10°C to +45°C
Receiving Sensitivity	Over 90 dB, S/N ratio (20 dB μ V input, 40 kHz deviation)	Dimensions	214 (W) x 35 (H) x 100.5 (D) mm (8.43" x 1.38" x 3.96") (excluding antenna)
Squelch Sensitivity	18 - 40 dB μ V variable	Weight	580g (1.28lb)
Indicator	ANT A/B, Audio (peak), RF level, Power	Frequency Bands	691-693, 719-721, 742-744, 863-865 MHz
S/N Ratio	Over 95 dB (A-weight, unbalanced output)	4 Channel Capability	
Harmonic Distortion	Under 1% (typical)		

S4.4 RX Receiver Wireless Starter Pack



S4.4 B Aerobic System
Supplied with SJ66 & AB1000



S4.4 B Theatre System
Supplied with SJ22-P-R



S4.4 B Earworn System
Supplied with SJEM77-P



S4.4 Handheld

For powerful vocal performance or general speech applications, the S4.4 HDX is an ergonomically designed mic featuring a high quality Trantec cardioid dynamic capsule suitable for the most demanding of vocal applications.

Features:

- ✂ Four switchable licence-free frequencies
- ✂ Fully synthesised PLL quartz tuning technology
- ✂ Detachable antenna
- ✂ Single 9V transmitter battery life of approx. 10 hours.



S4.4 Beltpack

The beltpack is equally at home in applications as diverse as a quiet church through to a grinding step class or a stadium rock'n'roll gig thanks to its range of matching microphone and cable options.

Features:

- ✂ Four switchable free frequencies
- ✂ Fully synthesised PLL quartz tuning technology
- ✂ Detachable antenna
- ✂ Locking 3.5mm jack
- ✂ Integral switch for selection between instrument and microphone
- ✂ Single 9V transmitter battery life of approx. 10 hours.

For accessories see pages 22-25

RF Carrier Power	Max. 10 mW
Modulation System	PLL Synthesizer
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 hours
Indicator	Battery Status LED
Dimensions	ø50 x 270 mm (ø1.97" x 10.63")
Weight	220g (0.49lb)

**S4.4 HDX Handheld
Wireless Starter Pack**

RF Carrier Power	Max. 10 mW
Modulation System	PLL synthesizer
Mic Input Connector	ø3.5 mini jack
Battery	6LR61 (PP3 9V)
Battery Life	Approx. 10 hours
Indicator	Battery status LED
Dimensions	62 (W) x 102 (H) x 31.5 (D) mm (2.48" x 4.02" x 1.27") (excluding antenna)
Weight	90g (0.2lb)

**S4.4 BTX Beltpack
Wireless Starter Pack**



S4.4 Handheld System
Supplied with HDX



S4.4 L Presenter System
Supplied with LP2 & Instrument Cable



S4.4 B Active System
Supplied with SJ33

LAVALIER MICS

LP-2

PRODUCT CODE:

MIC-X2 (FOR S.5.5, BLACK),
MIC-X2 (FOR S.5.3, BLACK),
MIC-LP2 (FOR S.4.16, BLACK),
MIC-LP2 (FOR S.4.4, BLACK)

The LP-2 miniature lavalier microphone offers superb audio quality combined with stylish looks at an affordable price.



Type:	Omni-directional electret condenser
Nominal Impedance:	3000 ohms
Max SPL:	>120dB
Operating Voltage:	2-10 volts min/max
Current Consumption:	50uA
Frequency response:	60Hz-16kHz ±3dB
Cable Length:	1500mm
Colours Available:	Black

LP-2 Lavalier Mic

The robustly designed LP-2 is a high quality microphone consisting of an electret transducer capsule exhibiting an omni-directional characteristic. It has been specifically designed to suit the requirements of everyday applications and is particularly suitable for voice applications, where highly intelligible speech is required. The LP-2 is available in black, and has a permanently attached cable.

LM-55

PRODUCT CODE:

MIC-X55 (FOR S.5.5, BLACK),
MIC-X55 (FOR S.5.3, BLACK),
MIC-SJ55 (FOR S.4.16, BLACK),
MIC-SJ55 (FOR S.4.4, BLACK)

The LM-55 electret sub-miniature microphone capsule has been provided with a moulded plastic housing and cable for convenient on lapel or tie for communications, public address, music recording and other applications.



Type:	Omni-directional electret condenser
Nominal Impedance:	4700 ohms
Max SPL:	>120dB
Operating Voltage:	2-20 volts min/max
Current Consumption:	50uA
Frequency response:	30Hz -16 kHz, ±3dB
Cable Length:	1500mm
Colours Available:	Black

LM-55 Lavalier Mic

This microphone features a flat, extended frequency response suitable for reproduction of voice or musical instruments. A 1.5 metre long black shielded cable of 2.5mm diameter is provided in the basic configuration. This cable includes two wires plus a spiral wound shield, which are soldered to the microphone capsule. A composite steel retainer plus moulded elastic strain relief provide a very rugged miniature package. Noise transmission from handling and clothing movement is very low. The LM-55 has a wide band omni-directional polar pattern. Internal RFI suppression is included.



YP-M5300

UNIDIRECTIONAL LAVALIER MICROPHONE

PRODUCT CODE: YP-M5300

- ✂ Unidirectional electret condenser microphone element
- ✂ Connector for 3.5 mini-plug
- ✂ Maximum input level: 120 dB SP
- ✂ Weight: 20 g

LAVALIER CONNECTOR VARIATIONS

	Model Number			
	LP-2	LM-55	SJ-690H	LM-212
S5.5	MIC-X2	MIC-X55	MIC-X690H	MIC-X212
S5.3	MIC-X2	MIC-X55	MIC-X690H	MIC-X212
S4.16	MIC-LP2	MIC-SJ55	MIC-SJ690H	MIC-SJ212
S4.4	MIC-LP2	MIC-SJ55	MIC-SJ690H	MIC-SJ212

LAVALIER MICS

SJ-690H

PRODUCT CODE:

MIC-X690H (FOR S5.5, BEIGE),
MIC-X690H (FOR S5.3, BEIGE),
MIC-SJ690H (FOR S4.16, BEIGE),
MIC-SJ690H (FOR S4.4, BEIGE)

The SJ-690H high quality glasses frame microphone has been designed to offer the finest microphone alternative for users with glasses. Designed with a view to flexibility, the single sided microphone fits tightly onto several frame sizes.



Type:	Omni-directional electret condenser
Nominal Impedance:	1000 ohms
Max SPL:	>58dB (high SPL version available)
Operating Voltage:	1-10 volts min/max
Frequency response:	20Hz -20 kHz, ±3dB
Cable Length:	1300mm
Colours Available:	Beige

SJ-690H Lavalier Mic

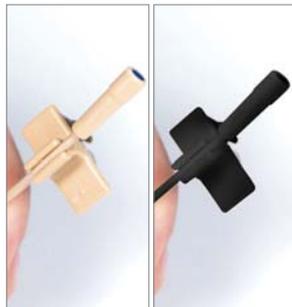
The SJ-690H is lightweight and does not limit the movement of the user, the microphone is mounted onto a boom enabling adjustments to the microphone to allow for optimum sound quality.

LM-212

PRODUCT CODE:

MIC-X212-BK (FOR S5.5, BLACK),
MIC-X212-BE (FOR S5.5, BEIGE),
MIC-X212-BK (FOR S5.3, BLACK),
MIC-X212-BE (FOR S5.3, BEIGE),
MIC-SJ212-BK (FOR S4.16, BLACK),
MIC-SJ212-BE (FOR S4.16, BEIGE),
MIC-SJ212-BK (FOR S4.4, BLACK),
MIC-SJ212-BE (FOR S4.4, BEIGE)

The LM-212 high quality lavalier microphone has been designed with the professional in mind. Its subminiature construction, together with its durable microphone clip makes it an ideal partner for all area of live work.



Type:	Omni-directional electret condenser
Nominal Impedance:	4400 ohms
Max SPL:	>120dB (high SPL version available)
Operating Voltage:	2-10 volts min/max
Current Consumption:	12-25uA min/max
Frequency response:	40Hz -18 kHz, ±3dB
Cable Length:	1200mm
Colours Available:	Black & Beige

LM-212 Lavalier Mic

It can be used either as a microphone for instrument pick-up or for delivering highly intelligible speech or vocals. The extremely low profile of the LM-212 enables this microphone to be used in places where others have failed due to their more obtrusive size. With an exceptionally low physical profile, it can withstand the penetration of moisture and make-up, and has the same membrane construction as its sister product the HM-22. Whether used in the hair, on the face or as a body-worn lavalier, this microphone will withstand the everyday rigours of production.



YP-M5310

OMNIDIRECTIONAL LAVALIER MICROPHONE

PRODUCT CODE: YP-M5310

- ✂ Omnidirectional electret condenser microphone element
- ✂ Maximum input level: 110 dB SPL
- ✂ Connector for 3.5 mini-plug
- ✂ Weight: 20 g

LP/SJ = 3.5mm Screw Jack

X = 4 Pin Mini XLR



HEADWORN MICS

HM-33

PRODUCT CODE:

MIC-X33 (FOR S5.5, BLACK),
MIC-33 (FOR S5.3, BLACK),
SJ-33 (FOR S4.16, BLACK),
SJ-33 (FOR S4.4, BLACK)

The HM-33 has been designed primarily for the active professional who needs hands-free operation.

Suitable for people in the sports, journalism, event organizers and restaurant applications.



Type:	Electret condenser
Nominal Impedance:	3300 ohms
Max SPL:	>120dB
Frequency response:	20Hz -16kHz
Cable Length:	1500mm
Colours Available:	Black

HM-33 Headworn Mic

The headband is perfect for those applications which require a high performance cost-effective solution.

Supplied with foam windshield.

HM-66

PRODUCT CODE:

MIC-X66-BK (FOR S5, BLACK),
MIC-X66-BL (FOR S5, BLUE),
MIC-X66-YE (FOR S5, YELLOW),
MIC-SJ66-BK (FOR S4, BLACK),
MIC-SJ66-BL (FOR S4, BLUE),
MIC-SJ66-YE (FOR S4, YELLOW)

The HM-66 has been designed primarily with the sports and aerobics industry in mind and is therefore built to withstand the everyday rigours of an active lifestyle.

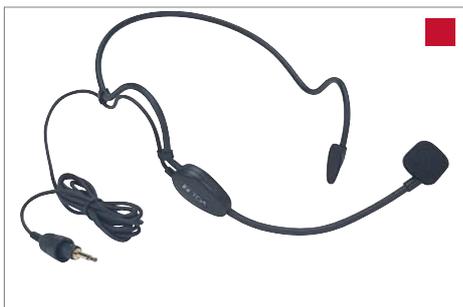


Type:	Super cardioid electret condenser
Nominal Impedance:	3000 ohms
Max SPL:	125dB
Operating Voltage:	2-10 volts min/max
Current Consumption:	50uA
Frequency response:	60Hz-16kHz ±3dB
Cable Length:	1500mm
Colours Available:	Black, Blue & Yellow

HM-66 Headworn Mic

The construction of this headband microphone offers a high degree of protection against the ingress of sweat. Precise placement is obtained with the 4mm diameter flexible gooseneck, and the condenser capsule is highly efficient at noise cancellation – helping prevent feedback or interference from crowd noise etc.

This slim-line Aerobic Headset is available in a choice of the following colours: Black, Blue & Yellow.



WH-4000H

HEADSET MICROPHONE

PRODUCT CODE: WH-4000H

✘ Unidirectional electret condenser microphone element

- ✘ Maximum input level: 120 dB SPL
- ✘ Connector for 3.5 mini-plug
- ✘ Secure and comfortably fitting headset
- ✘ Weight: 50 g

HEADWORN/EARWORN MIC CONNECTOR VARIATIONS

	Model Number			
	HM-33	HM-66	HM-22	EM-77
S5.5	MIC-X33	MIC-X66	MIC-X22	MIC-XEM77
S5.3	MIC-X33	MIC-X66	MIC-X22	MIC-XEM77
S4.16	SJ-33	MIC-SJ66	MIC-SJ22	MIC-SJEM77
S4.4	SJ-33	MIC-SJ66	MIC-SJ22	MIC-SJEM77

HEADWORN MICS

HM-22



PRODUCT CODE:

MIC-X22-BK (FOR S5.5, BLACK),
MIC-X22-BE (FOR S5.5, BEIGE),
MIC-X22-BK (FOR S5.3, BLACK),
MIC-X22-BE (FOR S5.3, BEIGE),
MIC-SJ22-BK (FOR S4.16, BLACK),
MIC-SJ22-BE (FOR S4.16, BEIGE),
MIC-SJ22-BK (FOR S4.4, BLACK),
MIC-SJ22-BE (FOR S4.4, BEIGE)

The HM-22 is a high quality headband microphone, which not only claims to be one of the smallest but also one of the lightest headband microphones on the planet.



Type:	Omni-directional electret condenser
Nominal Impedance:	4400 ohms
Max SPL:	>120dB (high SPL version available)
Operating Voltage:	2-10 volts min/max
Current Consumption:	12-25uA min/max
Frequency response:	40Hz-18 kHz, ±3dB
Cable Length:	1200mm
Colours Available:	Black & Beige

HM-22 Headworn Mic

It has been designed to be worn around the head and to be hidden discreetly under the hair.

The headband is engineered from a hard wearing nylon composite, which has been specially selected to withstand robust use and yet can be adjusted to fit any user's head and ear shape. The high quality microphone, optimized for speech and vocals, is mounted on a boom that can be bent into shape to allow for optimum sound quality. A small membrane is inserted into the capsule housing which protects the capsule from moisture, make-up and any other dirt and can be replaced cheaply and effectively to allow the microphone to perform consistently at its best.

EM-77

EARWORN MIC



PRODUCT CODE:

MIC-XEM77 (FOR S5.5, BEIGE),
MIC-XEM77 (FOR S5.3, BEIGE),
MIC-SJEM77 (FOR S4.16, BEIGE),
MIC-SJEM77 (FOR S4.4, BEIGE)

The EM-77 is a high quality single ear microphone. Its lightweight construction allows the user complete freedom of movement making it ideal for theatre, conference and educational use.



Element:	Back electret condenser
Polar Pattern:	Omni-directional
Frequency Response:	20Hz ~ 20kHz
Sensitivity:	5mV/Pa +/- 3dB
Operating Voltage:	1.5V ~ 10V D.C.
Cable Length:	1200mm
Colours Available:	Beige

EM-77 Earworn Mic

This single ear microphone features a highly configurable and discreet capsule, making it ideal for countless applications.



WH-4000A

HEADSET (AEROBIC) MICROPHONE

PRODUCT CODE: WH-4000A

- ✂ Unidirectional electret condenser microphone element
- ✂ Connector for 3.5 mini-plug
- ✂ Maximum input level: 120 dB SPL
- ✂ Extra-secure and comfortably-fitting head set
- ✂ Weight: 50 g

SJ = 3.5mm Screw Jack

X = 4 Pin Mini XLR



ACCESSORIES

Antenna Distribution



S5 ADU ANTENNA DISTRIBUTOR

PRODUCT CODE: S5-ADU

The S5-ADU allows a single pair of antenna to feed up to four tuners.



The largest systems (up to 12 channels), additional ADUs can be cascaded.



WD-4800 ANTENNA DISTRIBUTOR

PRODUCT CODE: WD-4800

Is designed to be used in conjunction with VHF/UHF band systems. It comes with 2 channels, in which 2 input signals are mixed and distributed to 4 outputs. The WD-4800 also has 4 DCpower distribution outputs.



YW-7000

RF AMPLIFIER

PRODUCT CODE: YW-7000

An RF amplifier specifically designed to be used with 10-12 metre length cable runs of RG58/URM43 connecting to remote antennae.



SPLITTER

PASSIVE ANTENNA SPLITTER

PRODUCT CODE: ACC-SPLIT-2W

Allows 1 x RF feed to be split in order to feed 2 outputs.
Connector: TNC-type. Isolation: 25dB
Insertion Loss: 5dB.
Frequency Range:500MHz-1GHz

Remote Antenna



YW-7570 REMOTE ANTENNA

PRODUCT CODE: YW-7570

The YW-7520 and YW-7570 are antennas for the UHF band wireless system and are designed to be mounted on an optional microphone stand.

Features:

- ✂ An omnidirectional antenna YW-7520 designed for receiving radio signal from all 360° directions.
- ✂ A directional antenna YW-7570 designed for having higher receiving sensitivity in the directional angle compared with an omnidirectional antenna.



YW-7520 OMNIDIRECTIONAL ANTENNA

PRODUCT CODE: YW-7520



UHF WALL MOUNT ANTENNA

PRODUCT CODE: YW-4500

Cable loss can be compensated for by a built-in RF signal booster.
The YW-4500 is a dipole antenna designed to be installed indoors.

ACCESSORIES

Receiver Antenna



Receiver Antenna

PRODUCT CODE:
ANT-S4.16 RX-D (830-865 MHz)
ANT-S4.16 RX-G (606-638 MHz)

For S4.16 receiver



Receiver Antenna

PRODUCT CODE:
ANT-S5 RX-D (830-865 MHz)
ANT-S5 RX-G (606-638 MHz)

For S5.3 and S5.5 series.

Transmitter Antenna



Whip Antenna

PRODUCT CODE:
ANT-54 BTX-D(830-865 MHz)
ANT-54 BTX-G(606-638 MHz)

For S4 & S5 Series
UHF belt-pack transmitters.



Helical Antenna

PRODUCT CODE:
ANT-54 HDX-D(830-865 MHz)
ANT-54 HDX-G(606-638 MHz)

For S4.4 & S4.16
UHF hand-held transmitters.

Battery Chargers & Power Supplies



BC-5000-12

BATTERY CHARGER

- ✂ Number of wireless microphone to be charged simultaneously: 12
- ✂ Fully charged within 3 hours

PRODUCT CODE: BC-5000-12



BC-5000-6

BATTERY CHARGER

- ✂ Number of wireless microphone to be charged simultaneously: 6
- ✂ Fully charged within 3 hours

PRODUCT CODE: BC-5000-6



BC-5000-2

BATTERY CHARGER

- ✂ Number of wireless microphone to be charged simultaneously: 2
- ✂ Fully charged within 3 hours

PRODUCT CODE: BC-5000-2



WB-2000-2

RECHARGEABLE BATTERY

- ✂ AA nickel-metal hydride (Ni-MH) rechargeable battery
- ✂ For Wireless Microphones, Wireless Transmitter, and Portable Receiver

PRODUCT CODE: WB-2000-2



AD-5000-6

AC ADAPTER

PRODUCT CODE: AD-5000-6

- ✂ For BC-5000-12 and BC-5000-6 Battery Chargers



AD-5000-2

AC ADAPTER

PRODUCT CODE: AD-5000-6

- ✂ For BC-5000-2 Battery Charger



UK

PRODUCT CODE: PS-S115-UK
UK Power supply for
S4/S5 Series Receiver
Output 13V DC 300mA.



Europe

PRODUCT CODE: PS-S115-EU
European Power supply for S4/S5 Series
Receiver. Output 13V DC 300mA.

USA

PRODUCT CODE: PS-S115-USA
USA Power supply for S4/S5 Series
Receiver. Output 13V DC 300mA.

ACCESSORIES

Antenna Cable



Link Cable ANTENNA
EXTENSION CABLE
PRODUCT CODE: LD-BNC-TNC

Using RG58 50ohm coaxial cable. Available in 60cm^s lengths S4/S5 Series



S4 Series ANTENNA
EXTENSION CABLE
PRODUCT CODE: LD-TNC ADU

TNC panel mount socket - BNC plug using 35cms RG58 50ohm coaxial cable.

Instrument Cable



Guitar Cable
S4.4 AND S4.16 SERIES
PRODUCT CODE: LD-SJ-JAC

Instrument cable terminated with 3.5mm Screw Jack – 6.3mm Mono Jack Plug, 1.3m length.



Guitar Cable
S5.3 AND S5.5 SERIES
PRODUCT CODE: LD-X-JAC

Instrument cable terminated with 4 pin mini XLR (TA-4) – 6.3mm Mono Jack Plug, 1.3m length.

Rackmount Kits



ACC-S5RX-MBI
RACK MOUNT KIT FOR
S5 RECEIVER

This kit will enable you to mount 1 x S5 receiver in a 1U, 19" rack space.



ACC-S5RX-MB3
RACK MOUNT KIT FOR
S5 RECEIVER

Mount 1 x S5 receiver in a 1U, 19" rack space, kit included 2 x Panel mount TNC extension cables.



MB-15B
RACK MOUNT BRACKET
For Rack Mounting 1 WD-4800 unit



MB-WT3
RACK MOUNT BRACKET KIT
For Rack Mounting 1 WT-5800,
WT580 and/or WT-4820 unit



MB-WT4
RACK MOUNT BRACKET KIT
For Rack Mounting 2 WT-5800,
WT5805 and/or WT-4820 units



ACC-S5RX-MB2
RACK MOUNT KIT FOR S5
RECEIVER

This kit will enable you to mount 2 x S5 receivers side by side.



PAN-1U19-TNC
TNC RACK MOUNT PANEL
For mounting 2 x TNC panel mount
sockets.



MW-1U-BLANK
BLANK PANEL

ACCESSORIES

Microphone Windshields



YP-E401PAD01
PRODUCT CODE: YP-E401PAD01

Earphone Pads
Contains 100 Pieces



HM-22B
PRODUCT CODE: ACC-WS-BLK

LM-212B
PRODUCT CODE: ACC-WS-BLK

Foam windshield for HM-22B and LM-212B



WH-4000S
PRODUCT CODE: WH-4000S

Windscreens
Contains 10 Pieces



LM-55
PRODUCT CODE: ACC-5200WS

Foam windshield for LM-55



LP-2
PRODUCT CODE: ACC-LP2-TC

Spare Tie Clip for LP-2



HM-33
PRODUCT CODE: ACC-33WS

Foam windshield for HM-33



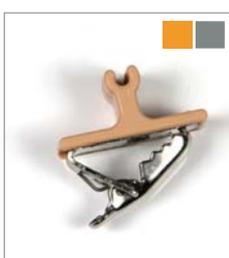
LM-55
PRODUCT CODE: ACC-5200-TC

Spare Tie Clip for LM-55



HM-66
PRODUCT CODE: ACC-66WS

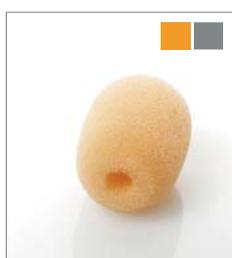
Foam windshield for HM-66



HM-22P
PRODUCT CODE: ACC-TC-BGE

LM-212
PRODUCT CODE: ACC-TC-BGE

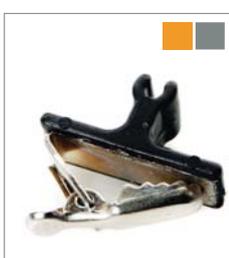
Spare Tie Clip for HM-22P and LM-212



HM-22P
PRODUCT CODE: ACC-WS-BGE

LM-212P
PRODUCT CODE: ACC-WS-BGE

Foam windshield for HM-22P and LM-212P



HM-22B
PRODUCT CODE: ACC-TC-BLK

LM-212
PRODUCT CODE: ACC-TC-BLK

Spare Tie Clip for HM22B and LM-212

Tie Clips



**Human Society with
Sound & Communication**

TOA Corporation

www.toa.jp

Specifications are subject to change without notice.

833-61-790-30