

DSP Series

DSP306USB
DSP408USB



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Firmware Upgrade Guide

1. INTRODUCTION

This manual is intended to guide the firmware upgrade process of the DSPSeries units by **Master Audio**. The models affected by this upgrade are the following:

- DSP306USB (version 7.05 and newer).
- DSP408USB (version 7.05 and newer).

The new version is 9.02 (04/11/2010). The software included with this version is compatible with Windows XP, Vista and 7.

To make the upgrade the following files are needed. If you don't have them, you can download them from the attached link (Internet connection needed)

- 1) "img" file of the corresponding model to be updated:
DSP306USB: www.master-audio.com/download/DSP306v0902.img
DSP408USB: www.master-audio.com/download/DSP408v0902.img
- 2) Software installer DSPLink v9.02
www.master-audio.com/download/DSPLinkSetup_v0902.exe

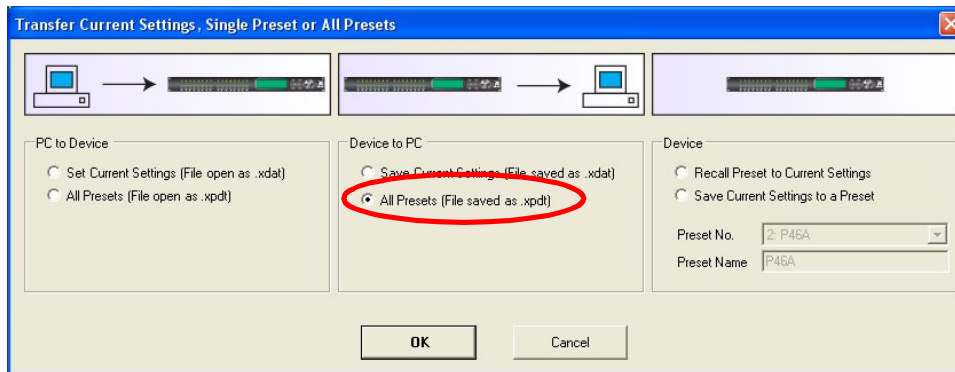
2. BEFORE YOU START

The firmware upgrade will erase all the programs stored in the memory of the DSP unit. If you need to restore them after the upgrade, first you will need to save them to your hard disk. After the upgrade process you will be able to load the programs again to the DSP. In order to save the programs, follow these steps:

- 1) Connect the DSP unit to the PC and open the current version of the DSPLink software (2.11)
- 2) Enter to the device window and select "Presets"



- 3) Select “All Presets (File Saved as .xpdt)” under the section “Device to PC”, as shown in the screenshot below. Save the file to the hard disk of your PC.



3.CONNECTING THE UNIT

If the previous step has been carried out, you can proceed directly to the next section “Upgrading the firmware”

To upgrade the DSP unit, it is necessary to connect it via the USB cable to the PC. After that, power up the DSP and execute the DSPLink software. Answer “Yes” to the question “Do you want to connect to the Device?”

IMPORTANT: The firmware upgrade can be made only via USB. If you currently use an Ethernet connection, you will need to connect the unit through USB for the upgrade.

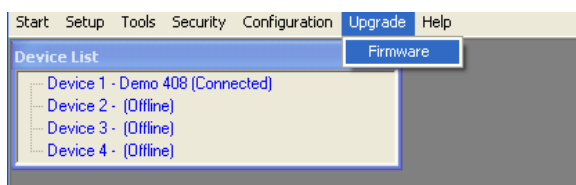
4.UPGRADING THE FIRMWARE

Before executing the upgrade command, make sure that the “img” file of the model you want to update is available:

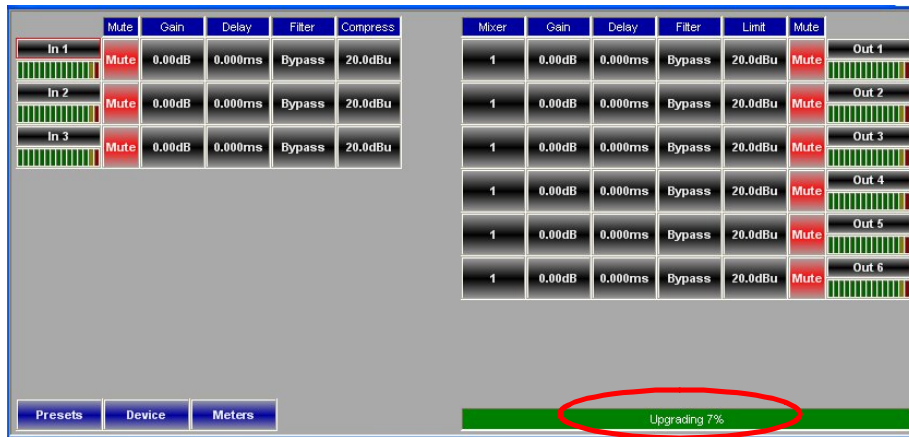
- For DSP306 → DSP306v0902.img
- For DSP408 → DSP408v0902.img

It is strongly recommended to have this file in the PC hard drive (avoid USB pen drives or other removable drives)

To start with the upgrade go to the menu bar and select “Upgrade > Firmware”.



Answer “Yes” to the questions asked by the software. After that select the img file **corresponding** to your model (306 or 408)



The green bar will notify the upgrade process.

IMPORTANT: Do not interrupt this process. The unit could be seriously damaged.

When the upgrade is finished, a message will appear. You will be prompted to switch OFF and again ON the DSP unit. This is needed in order that new program is initialized. Close first the DSPLink program and after that switch OFF and ON the unit.

If the upgrade has been made correctly, the first time the unit is switched ON, the front LCD display will show the message “Initializing....” for a few seconds.

IMPORTANT: Do not interrupt this process. The unit could be seriously damaged.

After that, the LCD display will show the new firmware version:

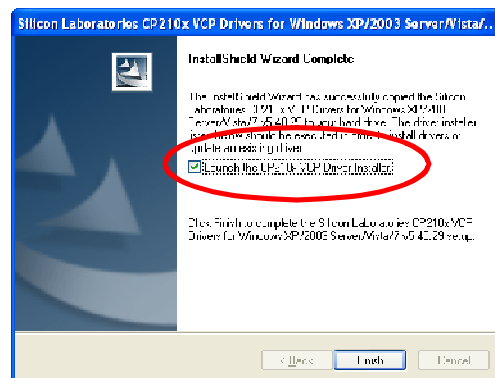
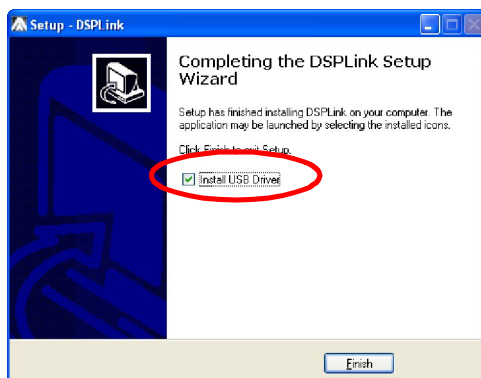
MASTER DSP 408
DSP408 **V9.02**

5. UPDATING THE SOFTWARE

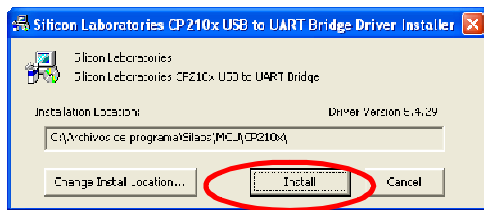
The new firmware requires also an update of the interface software DSPLink. To install it execute in your PC the setup file (DSPLinkSetupv0902.exe) and follow the on-screen instructions. The program may prompt to install also the Microsoft .NET Framework 3.5.


IMPORTANT: During the software update it is recommended to remove all DSP units connected to your computer.

You will be prompted to install also the USB driver. Select the checkbox “Install USB driver” (default) and then “Launch the CP210x VCP Driver Installer”



Complete the driver installation by clicking on “Install”:



The new DSPLink software will be identified by the following icon: 

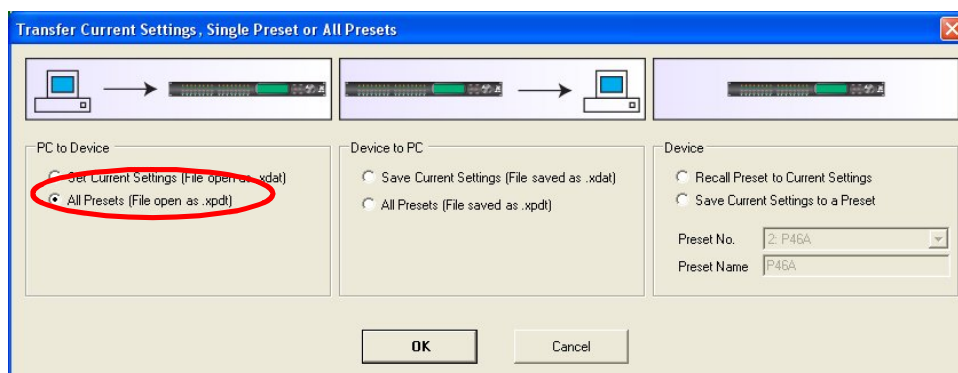
The previous software version (DSPLink 2.11) may be uninstalled if you are sure that you don't need to connect to any unit with the old firmware. To uninstall, go to “Control Panel”, “Add or remove Programs”, and search for DSPLink. Uninstall the instance with the icon showing the Master Audio logo in grey:



6. RESTORE THE PREVIOUS PROGRAMS

Once the software has been upgraded to the version 9.02, it is possible to restore the DSP configuration saved before the upgrade process. To proceed with this, execute DSPLink and connect the unit to the PC. Enter to the device window and select “Presets”.

Under the section “PC to device” select the option “All Presets (File open as .xpdt)”. You will be prompted for the file save previously in Section 2 of this manual:



Once the file is loaded, the unit will restore all the programs.