

DX0.4 and DX0.6 Firmware update

User Guide



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Updating firmware

Installing new firmware on DX0.4 and DX0.6 processors involves installing the desktop app and connecting your PC and processor using Ethernet. This guide tells you how to do this.

This guide also tells you how to [re-install factory presets on the processor \(page 7\)](#).

For information on how to set up and use these processors, see the **DX0.4 and DX0.6 Control Software User Guide**.

To download the user guide

1. Go to the [Martin Audio website](#).
2. Select **Support > Software/Firmware** and scroll to **DX0.4 and DX0.6 Control Software**.
3. Click the **User Guide** button.

To check your firmware version



The **DX0.4 and DX0.6 Control Software** can automatically check that you have the latest firmware. To do this, the software needs to be version 1.0.2 or above, the PC needs to be connected to the internet and the DX0.4 or DX0.6 needs to be online.

1. At the processor front panel, press **PM3** to display the **Utility Menu**.
2. Press **PM1** to select the **System Utilities** menu.
3. Rotate **PM1** to the right until **Firmware Version** appears on the bottom line of the screen.
4. Press **PM1** and make a note of the **MB** version shown at bottom right (you can ignore the **FP** version shown bottom left). The **MB** version is the firmware version.
5. Press **PM2** three times to exit the menu.

To see the latest firmware version available

1. Go to the [Martin Audio website](#).
2. Select **Support > Software/Firmware**.

3. Scroll down to **DX0.4 and DX0.6 Control Software**.

Out of date firmware

If the checks in the previous sections (or a message in the **DX0.4 and DX0.6 Control Software**) show that your firmware is out of date, you now need to upgrade your firmware. The only way to do this is using the control software. Once you have upgraded, you can, if you wish, use the front panel to configure these processors rather than using the control software. Note that there are a few settings that are only available using the control software.



If you have any problems with the following steps, see the **DX0.4 and DX0.6 Control Software User Guide** available from the [Martin Audio website](#).

Installing the software

The **DX0.4 and DX0.6 Control Software** is a Windows app available as a free download from the Martin Audio website.



We don't support macOS, but some users have run this app successfully on virtual platforms such as Parallels Desktop, VMware Fusion and Apple Boot Camp Assistant.

To set up your processors using the desktop app, you need to install the software and connect your processors to your computer. Before you install you need to download and unzip the software. These steps are explained below.

To download the software

1. Go to the [Martin Audio website](#) and select **Support > Software**.
2. Select and download the **DX0.4 and DX0.6 Control Software**. This downloads a zip file to your downloads folder.

To unzip the files

1. Select **File Explorer** on the Windows taskbar or the Start menu or press the Windows logo key **■** + E on your keyboard.
2. Click **Downloads** on the left to open the downloads folder.
3. Right-click **DX0.4-and-DX0.6-Software-and-Presets** and select **Extract All**.
4. Choose a location or use the **Browse** button. You could for example use your **Documents** folder or your desktop.
5. Click **Extract**.

To install the software

1. In **File Explorer** go to the location you specified in step 4 above and open the **DX0.4-and-DX0.6-Software-and-Presets** folder.
2. Double-click the installation program **Setup DX Series**.
3. The **Windows protected your PC** pop up will appear. Click **More info** and then click **Run anyway**.
4. Click **Yes** to allow the app to make changes to your device.
5. Choose an installation location and whether to create a desktop icon and a quick launch icon.
6. You may wish to move the sub-directories in the **DX0.4-and-DX0.6-Software-and-Presets** folder into the software folder. By default the software folder is `C:\MARTIN AUDIO\DX Series`

Upgrading the software

If you install the software into the default location and already have desktop app version 1.0.0 or above, the new version overwrites the old version. If you already have desktop app version 0.2.3 or below, the installation leaves the old version on your machine. In this case, save any files you want to keep from the old directory and then remove the old version as follows.

To remove an old version

1. Select **Start** **■** and then **Settings** or right-click **Start** **■** and select **Settings**.
2. Select **Apps** from the left column.
3. Select **Installed apps** from the right column.

4. In **Search apps** type **DX**.
5. For the **DX Series** version to delete, click the three-dot icon **⋮** and select **Uninstall**.

Running the software

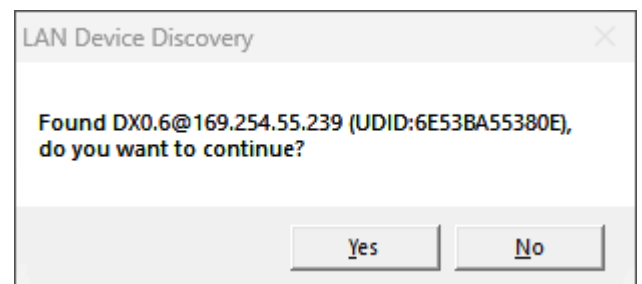
To run the desktop app, select **Start** **■** and type **DX Series** or double-click the desktop shortcut.

Connecting using Ethernet

You can control your processors from a computer connected using USB, RS485 or Ethernet. However, to update the firmware, you must be connected using Ethernet. The simplest method is to use a direct Ethernet connection.

To connect your PC and processor

1. Plug a network cable into the Ethernet port of your computer and the Ethernet port of your processor.
2. Switch on your processor.
3. The desktop app should find your processor automatically. Note that this may take a minute or so.



4. Click **Yes** and the desktop app will display a processor icon.

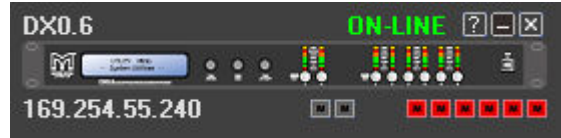


If the desktop app doesn't find your processor automatically, you can add the processor manually using the IP address.

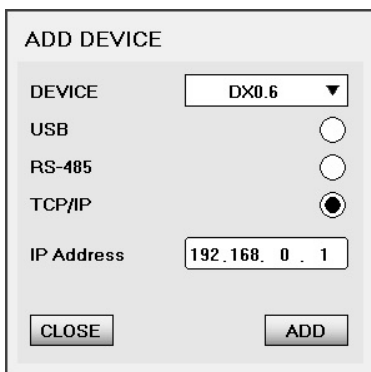
To add a processor using the IP address

1. At the processor front panel, press **PM3** to display the **Utility Menu**.

2. Rotate **PM1** until **Network Utilities** appears on the bottom line of the screen. Then press **PM1**.
3. Rotate **PM1** until **IP Address** appears on the bottom line of the screen.
4. Press **PM1** and make a note of the IP address.
5. Press **PM2** three times to exit the menu.
6. At the desktop app toolbar, click the **Add processor** icon (highlighted below in red).
3. Select **Read current settings from device** and click **OK**.
4. The text at top right goes green and displays **ON-LINE**.



7. The following screen appears:



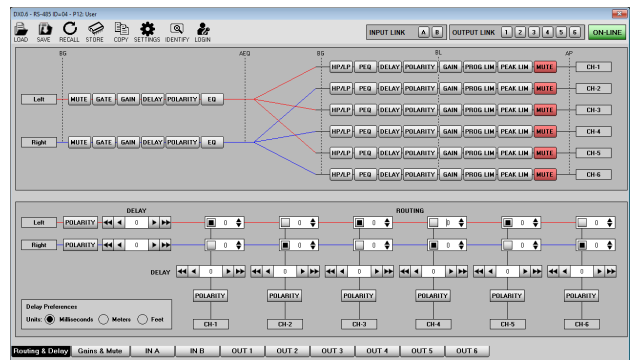
In **DEVICE** select DX0.4 or DX0.6.

Select **TCP/IP** (for Ethernet) and enter the **IP address**.

8. Click **ADD** and the desktop app will display a processor icon.

To update the firmware

1. Double-click the processor icon to open the processor window.



2. Click on **SETTINGS** on the toolbar at the top.



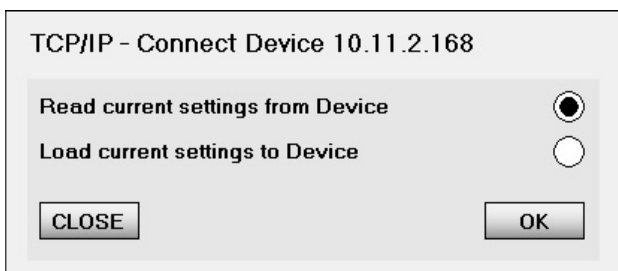
3. Select **FIRMWARE UPDATE** at bottom left.

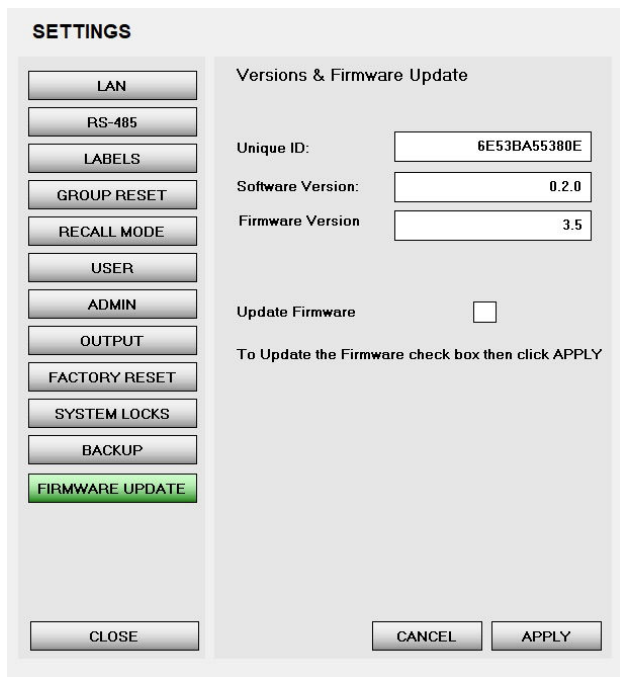
To put the processor online

1. On the processor icon, click on the text **OFF-LINE** at top right.



2. The app displays the following window:





4. Tick **Update Firmware** on the right and click **APPLY**.
5. Select the location and file name of the sfu file and click **Open**.

If you are using the file bundled with the software, go to the location where you unzipped the files. Select the following folder:

DX0.4-and-DX0.6-Software-and-Presets\Firmware

At the time of writing, the sfu files are:

MARTINAUDIO_DX04_v3.5_20230607.sfu
 MARTINAUDIO_DX06_v3.5_20230607.sfu

As you can see, there is one file for the DX0.4 and one for the DX0.6. Note that the software won't let you install the wrong file.

6. When the update is complete, a pop up will appear with the text **Firmware Successfully Loaded**.

Updating presets

We supply the DX0.4 and DX0.6 processors with a library of factory presets for Martin Audio point source systems. These presets aren't locked, so you can overwrite them. If you want to restore the presets back to factory settings, follow the instructions below.

We shipped some early models of these processors with no presets installed. If you have one of these models, use the instructions below to install the factory presets for the first time.



As an alternative to the presets stored on the processor, you can use the presets bundled with the desktop app. For details, see the [control software user guide \(page 3\)](#) and search for **Channel presets**.

To restore the factory presets

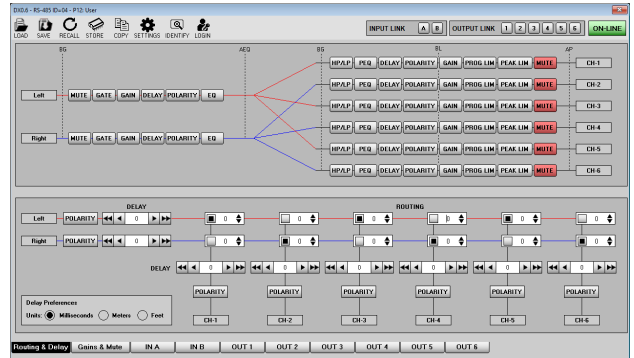


Restoring factory presets overwrites your settings, so you may want to backup first.

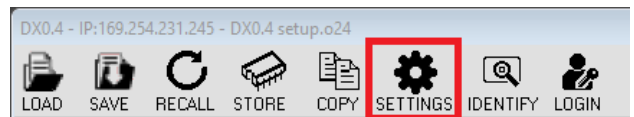
1. Upgrade your firmware using the [instructions above \(page 3\)](#). Make sure that you're still connected by Ethernet and that the desktop app is running.
2. If the processor is offline, right-click **OFF-LINE** at top right of the processor icon to put the processor online.



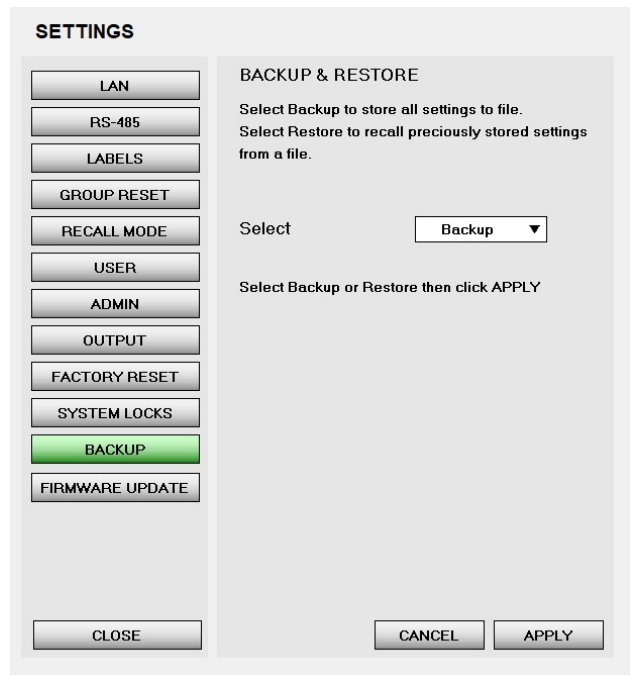
3. Double-click the processor icon to display the processor window.



4. From the processor window toolbar, click **SETTINGS**.

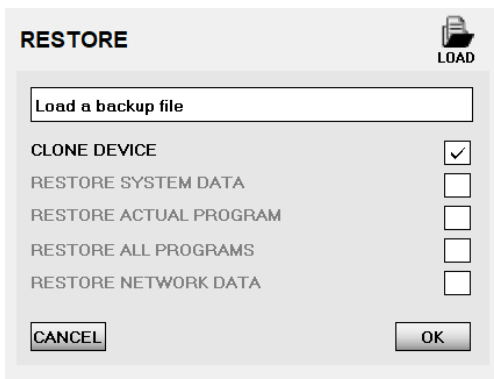


5. Click the **BACKUP** button on the left.

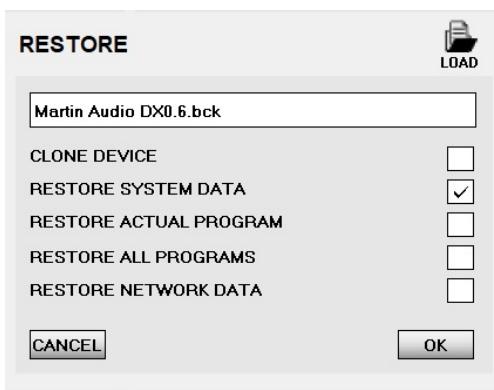


6. Select **Restore** from the drop-down menu on the right.

7. Click **APPLY** button at bottom right. The following pop-up will appear.



8. Untick **CLOSE DEVICE** and tick **RESTORE SYSTEM DATA**.



9. Click the **LOAD** icon at top right. Go to the location where you unzipped the files when you installed the software and select the following sub-folder:

Backup files to install Factory Presets

Choose the correct backup file:

Martin Audio DX0.4.bck
Martin Audio DX0.6.bck

Note that the app won't let you install the wrong file.

10. Click **OK** and the desktop app will load the factory presets to the processor.
11. Click the **CLOSE** button at bottom left.

What next?

See the **DX0.4 and DX0.6 Control Software User Guide** available from the [Martin Audio website](#).

Martin Audio Limited

Century Point

Halifax Road

Cressex Business Park

High Wycombe

Buckinghamshire

HP12 3SL

England

FOR SALES ENQUIRIES

UK

+44 1494 535 312

info@martin-audio.com

NORTH AMERICA

+1 323 381 5310

www.martin-audio.com

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