Hypex Filter Design installation and Hypex FusionAmp Firmware update tutorial

PLEASE NOTE
■ The explanations in this manual assume that you have a working knowledge of your Windows® computer.
■ For information on your operating system, please refer to your operating system manual or the online Help function.
■ The explanations of screens and procedures in this manual are primarily for Windows 10® in Windows environments. The screens may vary depending on the version of the operating system.
■ Version numbers in the examples and pictures may vary: Unless specifically mentioned in the text, always check the website for the latest versions.
■ This manual is an independent publication and is neither affiliated with, nor authorized, sponsored, or approved by, Microsoft Corporation.

SOFTWARE LICENSE
The SOFTWARE LICENSE acknowledgement will appear when you install the software. By using all or any portion of the software in the machine, you are agreeing to be bound by the terms of the SOFTWARE LICENSE.

BEFORE INSTALLING THE SOFTWARE
■ Description
Hypex Filter Designer (HFD) is a program to configure Hypex Electronics B.V. DSP modules.
■ Software
Software and documentation can be found and downloaded at www.hypex.nl.
■ Connecting device
For connecting and operating your device, consult the specified device manual.

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1. Hypex Filter Design Installation

1.1: Software download
■ Step 1
Go to www.hypex.nl and select Accessories in the tab Products.
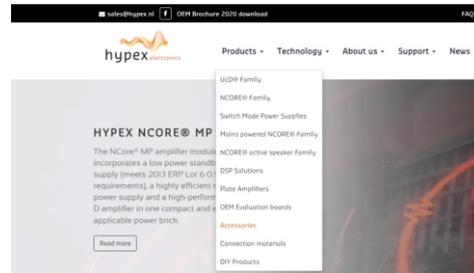
■ Step 2
Select Hypex Filter Design.

■ Step 3
Select Filter Design x.xx for the latest version and follow the download instructions from your webbrowser.

■ Step 4
Open the download location with Windows File Explorer and locate the compressed HFD-file.
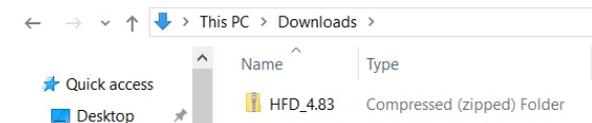
■ Step 5
Unpack the file.
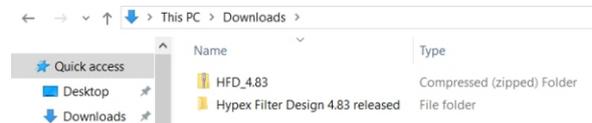
1.2: Software installation
■ Step 1
Open the unpacked folder and run **Setup**.
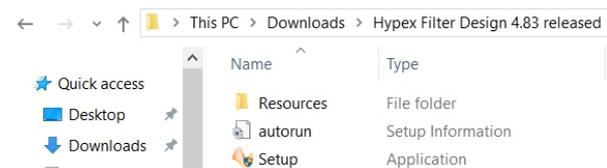
Hypex Filter Design Installer will then prompt:

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■ Step 2
Press **Readme** button to view release notes and additional information.
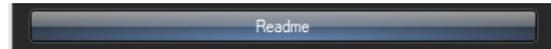
■ Step 3
Select the checkbox to *agree* and press **Install** button to proceed.
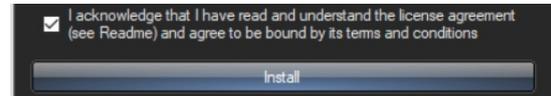
■ Step 4
Select preferences, choose software destination and press **Install!** button.
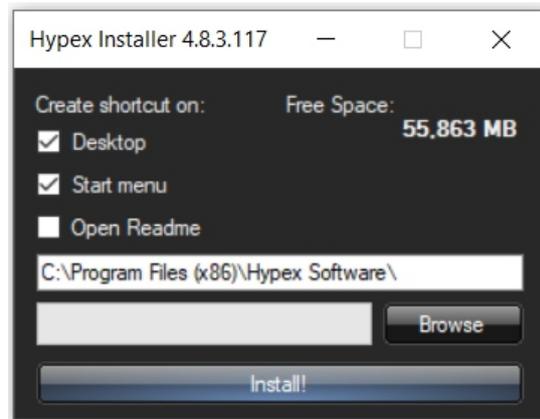
■ Step 5
Press **Yes** button to end the installation process and proceed to run HFD.
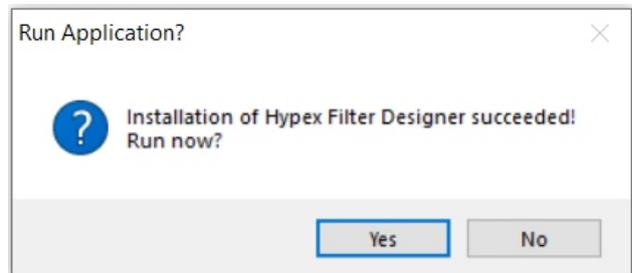
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2. Hypex FusionAmp Firmware Update

2.1: Run program and connect FusionAmp
🟧 Step 1
Locate HFD or the shortcut and execute HFD.
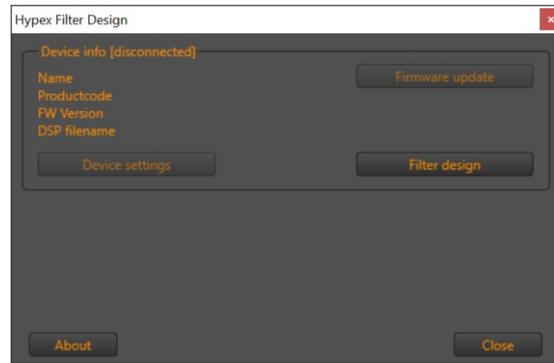
🟧 Step 2
Connect the FusionAmp with USB.

🟧 Step 3
Power on the FusionAmp.
HFD automatically detects the device and displays the current firmware version in Device info.
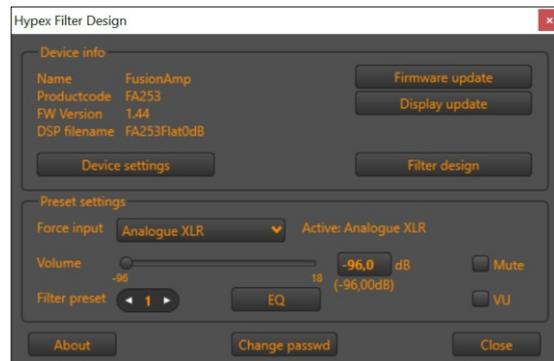
2.2: DSP Firmware Update
🟧 Step 1
Press the button Firmware update.

🟧 Step 2
The firmware* can be found in the folder FusionAmp Firmware.
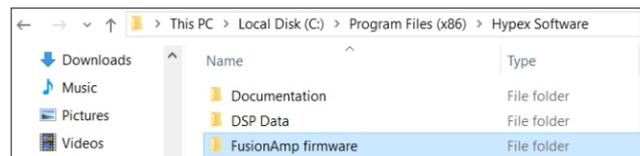
Select the file FusionAmp vx.xx and press **Open**.

* Note: Check our website for the latest version:
  Locate your product and select the Downloads tab for additional files.
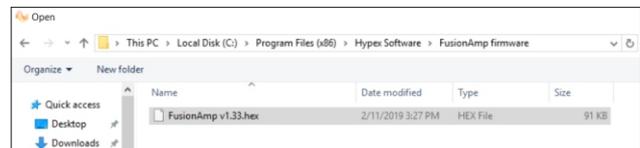
🟧 Step 3
HFD automatically updates the firmware on the device.

The lights on the FusionAmp ('Prot' and 'P1') will blink during this process.

! Don't shut down or disconnect the usb-cable.
  This could damage the FusionAmp!
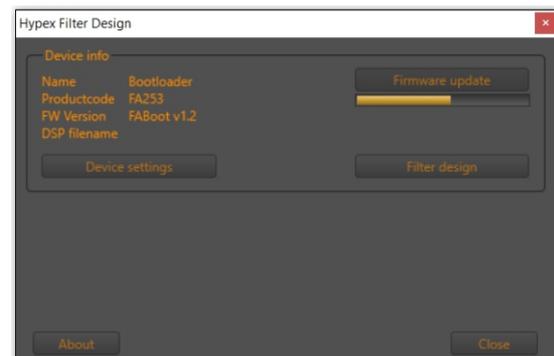
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■ Step 4

The FusionAmp automatically reboots when updating is completed.
Press Ok to finish the process.
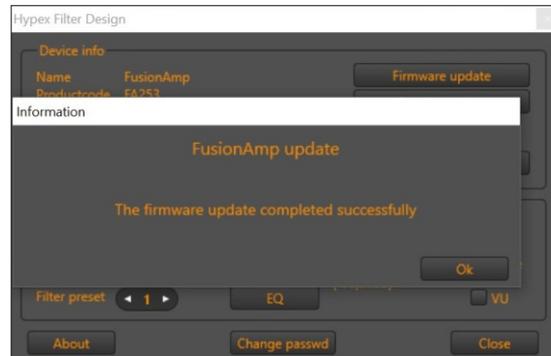
2.3: Update complete

Confirm :
 When the update process is succesfully executed
 the new firmware version is shown in HFD.
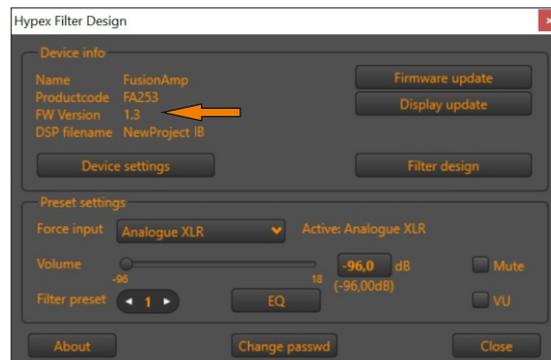
Power off/on:
In case of a Master/Slave configuration:
  Follow step 1 to 4.
In case of a single FusionAmp:
  Execute only Step 2 and 4.

■ Step 1
Power down the Slave.

■ Step 2
Power down the Master and wait until the red light 'Prot' on the FusionAmp is turned off.
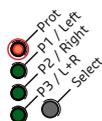
■ Step 3
Power up the Slave.
(This is nesessary for the Master to be able to detect the Slave and configure its settings).

■ Step 4
Power up the Master.
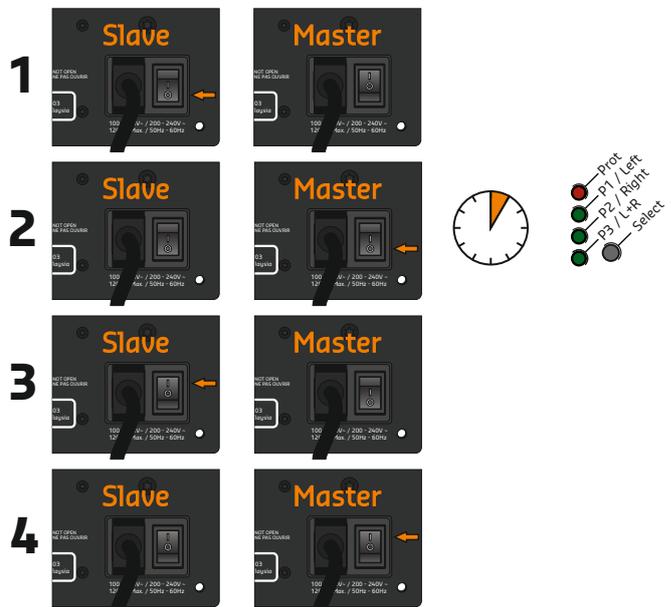
Note:

Release notes can be found in the same folder as the firmware:
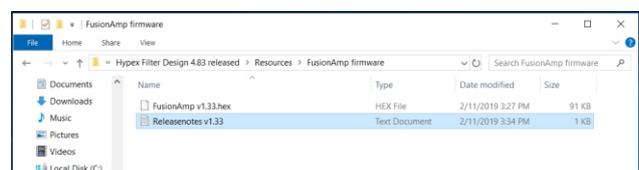
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2.4: Troubleshooting

The next message is displayed in case of an error during the update process.
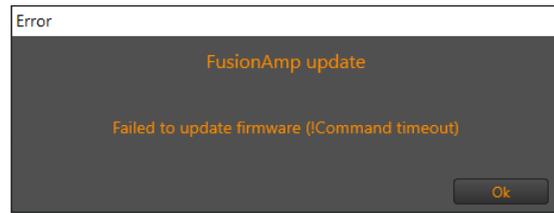
When the device name is Bootloader after turning on or reconnecting, the same error occured.

In this case, the FusionAmp is not broken; it will not function, however the firmware can still be re-installed.

Execute chapter 2.2 on page 4 in order to (re-)install the firmware to fix it.
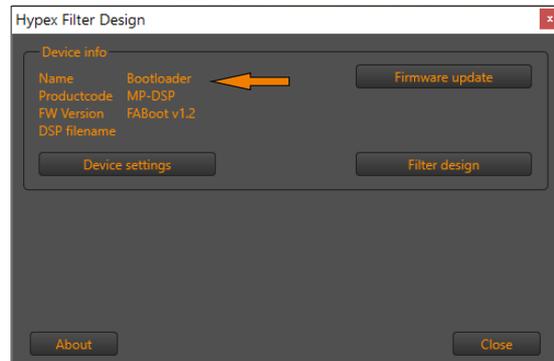
3. FA OLED Display Firmware Update

3.1: Run program and connect FusionAmp
■ If the device or software is not ready yet:
Follow the instructions in chapter 2.1 and continue with chapter 3.2.

3.2: FA OLED Display Firmware Update
■ Step 1
Press the button Display update.

■ Step 2
After you have installed the latest HFD software, the display firmware* can be found in the folder FusionAmp Firmware.
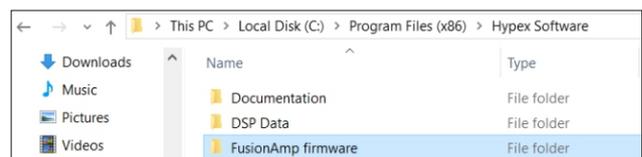
Select the file FA_Display_vx.x and press **Open**.
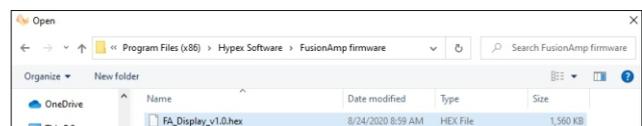
* Note: Check for the latest version our website:
Locate the Fusion OLED display product page and select the Downloads tab for additional files.

■ Step 3
HFD automatically updates the firmware on the display.

The status is shown in HFD and the display will switch to bootloader status.
There is nothing wrong if this process will take a while...

! Power and connections must be maintained during the upload process untill the next step.
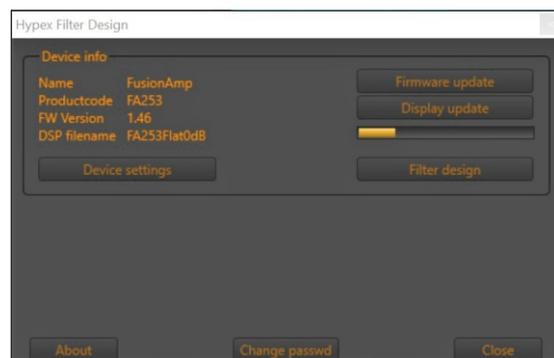
■ Step 4

A popup window will confirm a successful update.

The display will show
the word **PASS**.
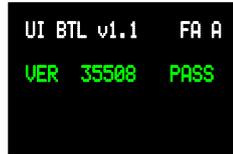
Press Ok to finish the process.
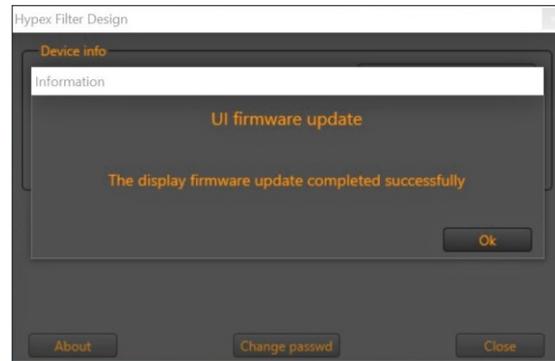
3.3: Update complete

■ Step 1
Power down the FusionAmp and
wait until the red light 'Prot' on
the FusionAmp is turned off.
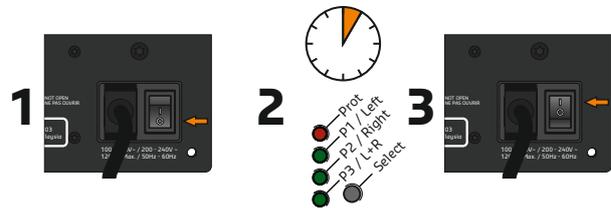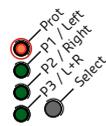
■ Step 2
Wait at least 5 seconds.

■ Step 3
Power up the the FusionAmp.

3.4: Troubleshooting

The next message is displayed in HFD in case of an
error during the update process.

The display will freeze at the line
it was processing.

If this error occured before re-
starting the device, HFD will
not show a warning but the
IR-receiver is unresponsive
and the display is still showing
bootloader-mode.
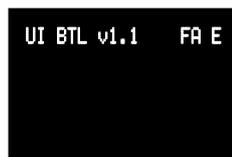
In both cases:
■ Execute the update-process starting at chapter 3.2
and the display will function normally again after a
successful update.

Note:

Release notes can be found in the same folder as the
firmware: