

#### 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 <u>www.hypex.nl.</u>

Connecting device

For connecting and operating your device, consult the specified device manual.

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1. Hypex Filter Design Installation	Application Products Technology
Step 1 Go to <u>www.hypex.nl</u> and select Accessories in the products tab.	Accessories
Step 2 Select Hypex Filter Design.	Wypex Filter Design         Creame
Step 3 Select the <b>Downloads</b> tab and find the latest version. Click on the correspondonding button and follow the download instructions from your webbrowser.	✓ Description       Software <ul> <li></li></ul>
Step 4 Open the download location with Windows File Explorer and locate the compressed HFD file.	<ul> <li>← → · ↑ ↓ &gt; This PC &gt; Downloads &gt;</li> <li></li></ul>
Step 5 Unpack the file.	<ul> <li>← → ▼ ↑ ◆ &gt; This PC &gt; Downloads &gt;</li> <li>★ Quick access</li> <li>Desktop ★ HFDSetup</li> <li>Compressed (zipped) Folder</li> <li>HFDSetup ← File folder</li> </ul>
<ul> <li>1.2: Software installation</li> <li>Step 1         Open the unpacked folder and run Setup.     </li> </ul>	<ul> <li>← → ▼ ↑ ↓ &gt; This PC &gt; Downloads &gt; HFDSetup</li> <li>Mame</li> <li>Type</li> <li>Adobe Acrobat D</li> <li>Pownloads *</li> </ul>
Hypex Filter Design Installer will then prompt:	Hypex filter design Setup     -      X      License Agreement      Please review the license terms before installing hypex filter design.











When the update process is succesfully executed the new firmware version is shown in HFD.

Restart the FusionAmp (see next page).

Filter design

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#### 3. Fusion 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: Firmware download Step 1 Application Products Technology Go to <u>www.hypex.nl</u> and select Accessories hypexelectronics in the **products** tab. Accessorie Step 2 Select Fusion OLED Display. OLED Step 3 🥠 Downloads Select the **Approximited Select** the **Downloads** tab and find the latest version. Click on the correspondonding Sobutton **Firmware** and follow the download instructions from your ♀ [filename].zip webbrowser. Step 4 → 🗸 ↑ 🖊 > This PC > Downloads > Open the download location with Windows File Name Туре Ouick access Explorer and locate the compressed firmware-file. a\_front\_P04\_UG\_Firmware\_updates.zip Compressed (zipped) Folder Desktop Step 5 Unpack the file. Name Type Ouick access 👖 fa\_front\_P04\_UG\_Firmware\_updates.zip Compressed (zipped) Folder 💻 Desktop fa\_front\_P04\_UG\_Firmware\_updates File folder 🕹 Downloads 🖈 3.3: Firmware update Step 1 **Display update** Press Step 2 → 🔹 ↑ 🖡 > This PC > Downloads > fa\_front\_P04\_UG\_Firmware\_updates After you download the latest firmware from our Name Туре website, the folder with the display firmware can be 📌 Quick access fa\_front\_P04\_UG\_Application.hex HEX-file 💻 Desktop 🛛 🖈 found in the folder: Downloads fa\_front\_P04\_UG\_Releasenotes.txt Textdocument 🖶 Downloads 🖈 ReleaseNotes FA Display.pdf Adobe Acrobat Document Select the HEX file and press Open

Note: Release notes can be found in the same folder.

### Hypex Filter Design installation and Hypex FusionAmp Firmware update tutorial hypexelectronics Step 3 Hypex Filter Design x HFD automatically updates the firmware on the display. The status is shown in HFD UI BTL vi.i FA A and the display will switch to EEP VER 3624 bootloader status. A lot of data is being transfered so 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. Information The display will show UI BTL v1.1 FA A the word **PASS**. VER 35508 PASS Press Ok to finish the process. 3.4: 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. 3.5: Troubleshooting Error

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



In both cases:

bootloader-mode.

Execute the update-process starting at chapter 3.3 and the display will function normally again after a successful update.