

ALF-DSP FIRMWARE UPDATE GUIDE

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Version: ALF-DSP Upgrade – V1.1 05122023

Overview

This guide is an overview of the process to update the DSP firmware.

SPECIAL NOTE:

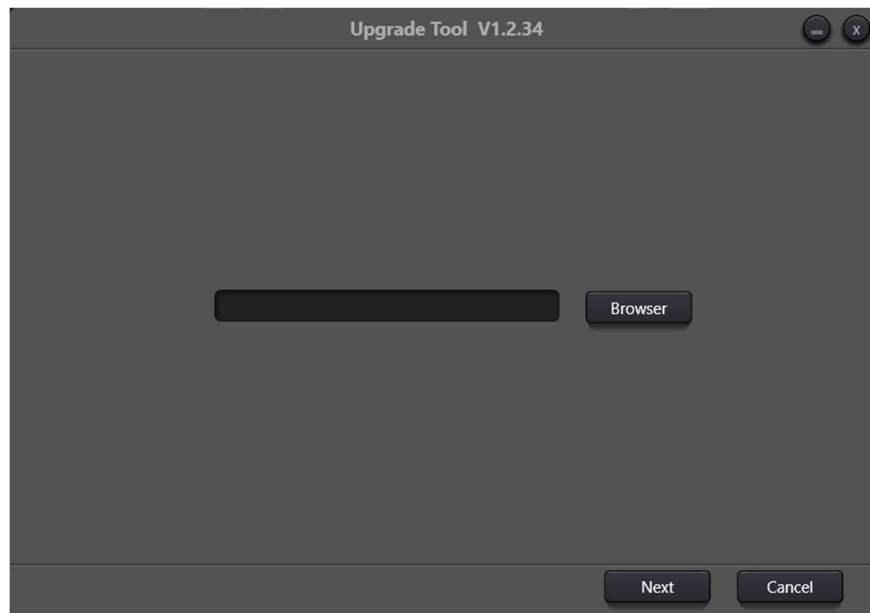
PLEASE ENSURE YOU HAVE SAVED THE CURRENT DSP SETTINGS BEFORE PROCEEDING WITH ANY FIRMWARE UPDATES BY SELECTING **[FILE -> SAVE AS...]** AND SAVING THE CURRENT CONFIGURATION AS SOME FIRMWARE UPDATES MAY REQUIRE A FACTORY RESET OF THE DSP IN ORDER TO FINISH THE FIRMWARE UPDATE PROCESS.

SHOULD YOU HAVE ANY OR MULTIPLE PRESETS CONFIGURED AND IN USE, PLEASE ALSO SAVE THESE INDIVIDUALLY BY SELECTING THE SAVE PRESET BUTTON FROM THE MAIN DSP SOFTWARE INTERFACE. SEE THE DSP USERGUIDE FOR MORE DETAILS.

Firmware update procedure:

Step1:

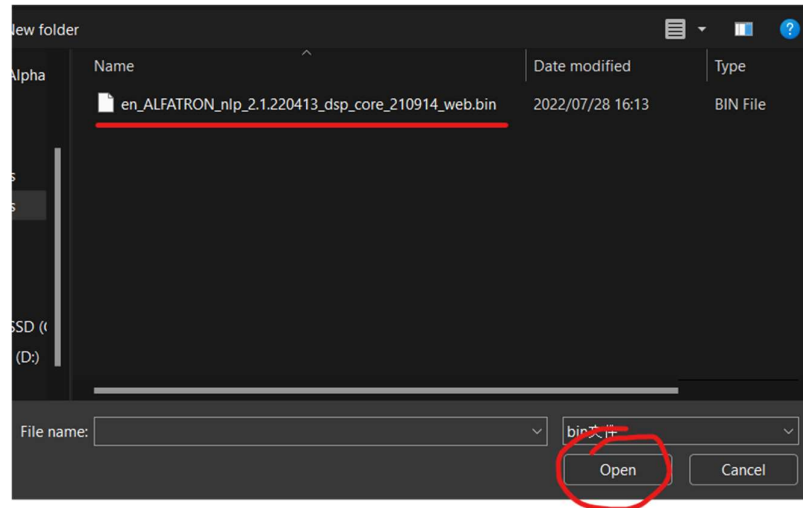
- UnZip the DSP upgrade files downloaded from the DSP product page on the website
- Ensure the DSP and PC used for the upgrade are in the same network segment. The DSP's default IP range of 169.254.10.227 with subnet 255.255.0.0 is recommended to be used during the update process. Please set your PC to DHCP/ Self Assign IP range.
- Open the DSP Upgrade tool



Step 2:

- Click on 'Browser'

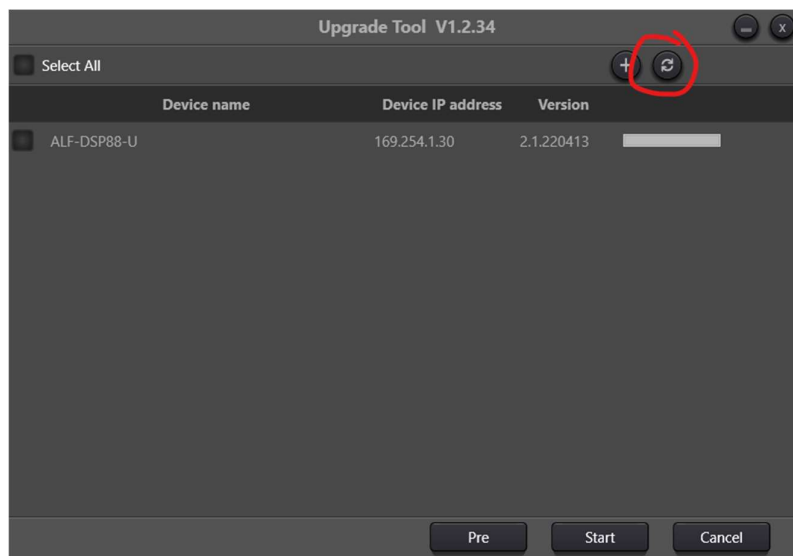
- Navigate to the folder where you unzipped the downloaded files and select the *.bin file and press “open”



- Press ‘Next’

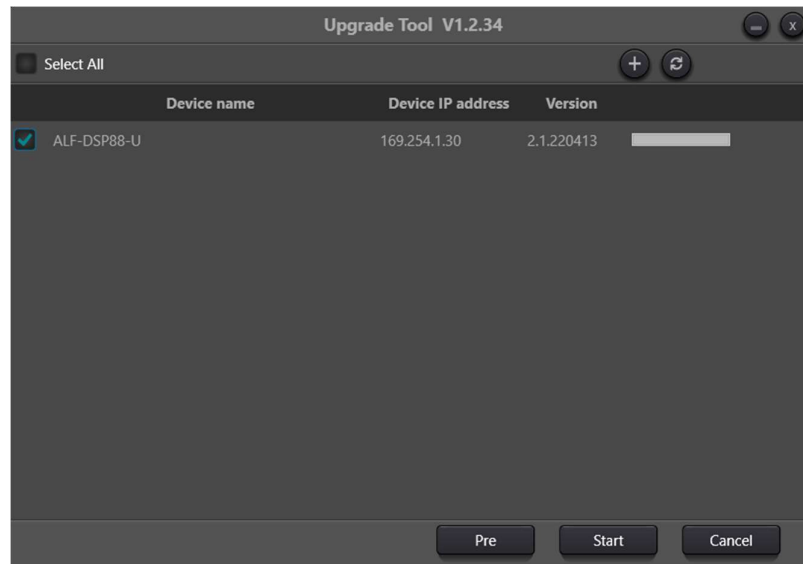
Step 3:

- On the next Screen, the software will scan the network for all connected DSP's. If the DSP does not show automatically, press the ‘re-scan’ button as per below.



Step 4:

- Select the individual DSP's you wish to upgrade or select all if you wish to update all connected DSP's.



- Press 'Start'.

The update process will take approximately 7 to 10 min, whereafter the DSP will reboot. Please ensure that power remains on during the update process. The progress bar will show the % of completion of the update process. Once the unit has rebooted, the upgrade tool will display 'Successful'. You may then close the upgrade tool.

After the update is completed, you may resume normal operation of the DSP via the DSP3.0 software. Please also ensure you have installed the relevant DSP3.0 software update included with the firmware download package.

As noted above, some firmware updates may require a full factory reset. In this case, please ensure that all DSP configuration files are backed up and stored by selecting **[FILE -> SAVE AS...]** and saving the configuration to your computer. If any presets are in use, please also ensure these are saved individually. Once the factory reset is completed, you may load the dsp configuration by selecting the load preset button from the main dsp software interface. Similarly, you may load each preset individually as well. Please see the DSP user guide for more details.

If you have any difficulties during the update or require assistance, please contact our support team.

PATCH NOTES:

DSP88-U

V2.1.220413 -

- Bug fix update to allow 'System' mute/unmute to trigger correctly from GPIO input contact closure

CP1L

V1.1.8

- Bug fix to correct Preset name not displaying on GUI interface of DSPPro application.

ALL MODELS – Major Feature update

***Please note that the below firmware updates require a full factory reset of the DSP to complete.**

V10a.1.2.1 – ALF-DSP44U/D

V2b.3.2.1 – ALF-DSP88U/D and ALF-DSP1616U/D

V8a.0.a.0 – ALF-CP1-L

- Added channel strips for USB input and output channels. The USB channels will now appear in the channel strips under the inputs and outputs sections as the last 2 channel strips. All DSP modules are selectable for these channel strips as per normal analogue and digital (Dante) audio channels.
- Added Source selection mode to User Interface (See source selection section in the DSP User guide for more details)
- Added Matrix Cross-point volume control to User interface.
- Added Matrix Crosspoint Stepped volume control commands for 3rd party control.
- Added TCP/IP support for external 3rd party control.
- Added TCP/IP support to ALF-CP1-L
- Added TCP/IP support to User Interface
- Added TCP/IP and UDP control to Camera module for ALF-DSP88U/D and ALF-DSP1616U/D
- Added module reset to default button to each DSP module.
- Fixed fader channel volume set when group mode is selected. Channel fader volumes will remain relative to each other instead of defaulting to the same volume level.
- Updated input meters to input peak level meters instead of RMS level meters.
- Updated meter response times to respond slower.