

# RELEASE NOTES



Product	Version	Release Date
PAM1-IP-3G	PAM1-IP v331	4/12/202
PAM1-IP-3G and PAM1-IP-3G	PAM2-IP v330 and PAM1-IP v330	1/5/2020
PAM2-IP-3G and PAM1-IP-3G	PAM2-IP v329 and PAM1-IP v329	17/2/2020
PAM2-IP-3G and PAM1-IP-3G	PAM2-IP v328 and PAM1-IP v328	17/10/2019
PAM2-IP-3G and PAM1-IP-3G	PAM2-IP v 327 and PAM1-IP v327	NOT RELEASED
PAM2-IP-3G and PAM1-IP-3G	PAM2-IP v 326 and PAM1-IP v326	NOT RELEASED
PAM2-IP-3G and PAM1-IP-3G	PAM2-IP v 325 and PAM1-IP v325	NOT RELEASED
PAM2-IP-3G and PAM1-IP-3G	PAM2-IP v 324 and PAM1-IP v324	16/10/2019
PAM2-IP-3G and PAM1-IP-3G	PAM2-IP v322 and PAM1-IP v322	02/08/2019
PAM2-IP-3G and PAM1-IP-3G	PAM2-IP v321 and PAM1-IP v321	21/6/2019

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## Overview

Software release PAM1-IP\_v331 is only applicable for the PAM1-IP-3G

**Note:** When connecting your PAM-IP-3G to a 10Gig/E network, please ensure that you use SFP modules supplied by TSL Products only. SFP modules sourced from other suppliers will not function and may even damage your audio monitor

## New Features and Enhancements

### Version

#### PAM1-IP\_v331

- Extended Volume control to support both DIM/CUT and CUT only modes.

#### PAM2-IP\_v330 PAM1-IP\_v330

- Extended RESTful API to provide 'out of band' Preset recall, Volume control and DIM/CUT functionality.
- Extended RESTful API to provide 'out of band' Preset recall, Volume control and DIM/CUT functionality.

#### PAM2-IP\_v329 PAM1-IP\_v329

- No new features
- No new features

#### PAM2-IP\_v328 PAM1-IP\_v328

- No new features
- No new features

#### PAM2-IP\_v324 PAM1-IP\_v324

- Added support for Embrionix 2022-6 firmware version 4.4
- Added support for Embrionix 2110 firmware version 3.1

#### PAM2-IP\_v322 PAM1-IP\_v322

- No new features

#### PAM2-IP\_v321 PAM1-IP\_v321

- No new features

#### PAM2-IP\_v320 PAM1-IP\_v320

- No new features

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PAM2-IP\_v319 PAM1-IP\_v319

- Added a RESTful API providing 'out of band' control of 2110 multicast subscriptions
- Added the ability to adjust the video line offset when working with 2110 sources
- Added new PAM-IP webpage.

## Known Limitations

### Version

PAM1-IP\_v331

- Dante source names are not supported

PAM2-IP\_v330 PAM1-IP\_v330

- Dante source names are not supported

PAM2-IP\_v329 PAM1-IP\_v329

- Dante source names are not supported

PAM2-IP\_v328 PAM1-IP\_v328

- Dante source names are not supported

PAM2-IP\_v324 PAM1-IP\_v324

- Dante source names are not supported

PAM2-IP\_v322 PAM1-IP\_v322

- Dante source names are not supported

PAM2-IP\_v321 PAM1-IP\_v321

- Dante source names are not supported

PAM2-IP\_v320 PAM1-IP\_v320

- Dante source names are not supported

PAM2-IP\_v319 PAM1-IP\_v319

- Dante source names are not supported

## Bug Fixes

### Version

PAM1-IP\_v331

- No bug fixes

PAM2-IP\_v329 PAM1-IP\_v329

- No bug fixes

PAM2-IP\_v329 PAM1-IP\_v329

- Improved fan control 'profile' of temperature controlled fans.

PAM2-IP\_v328 PAM1-IP\_v328

- Fixed bug that prevented Embrionix modules whose active firmware was 'Slot 4' from being recognised.
- Fixed a bug in the parsing of the TSL AUDIO RESTful API.
- Fixed bug that could cause internal fans to run unnecessarily fast.

PAM2-IP\_v324 PAM1-IP\_v324

- Fixed SDI Output router selection
- Fix to prevent the IP address from defaulting to 0.0.0.0 following a power recycle
- Fix to enable SDI Router Output #2 when set to SDI 1, following a power recycle

PAM2-IP\_v322 PAM1-IP\_v322

- Fixed SDI Output re-clocking

PAM2-IP\_v321 PAM1-IP\_v321

- Fixed LED control and Dante module detection.

PAM2-IP\_v320 PAM1-IP\_v320

- Minor fixes to PAM-IP webpage

PAM2-IP\_v319 PAM1-IP\_v319

- SDI Output 2 no longer loses its setting following a power re-cycle
- Default preset names now match their default function

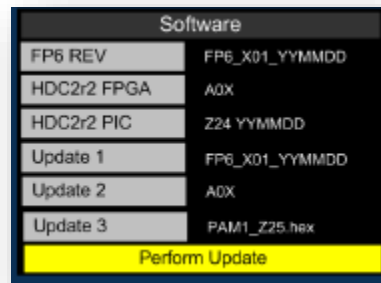
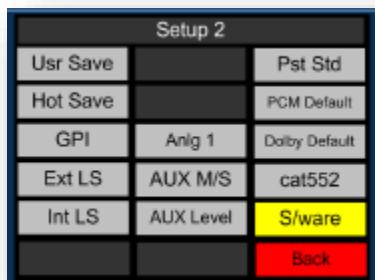
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## Upgrade Procedure for all PAM-IP devices.

PAM1-IP and PAM2-IP Software updates can be downloaded from the following location:

<http://www.tslproducts.com/product-support/audio-products-support/>

1. Download the PAM1-IP or PAM12-IP update file from the TSL Products Website using the link shown above
2. Unzip the contents and place the PAM2-IP or PAM1-IP folder into the root of a USB thumb drive.
3. Place the USB thumb drive into the front panel of the PAM-IP
4. Select the S/Ware option in the Setup/Setup2 menu.



5. Select 'Perform Update'.
6. You can monitor update progress on the left-hand screen of the PAM-IP.
7. Once the update is complete, press the red button as instructed.
8. Remove the USB memory stick and power recycle the PAM-IP.

We recommended that following a software upgrade, you perform a factory reset as follows:

### PAM2-IP-3G

1. Power re-cycle the unit whilst holding in preset buttons 6 7 and 8 until the message 'Default Memories Cleared' appears.

### PAM1-IP-3G

1. Power re-cycle the unit whilst holding in the Menu button and preset button 3 until the message 'Default Memories Cleared' appears.



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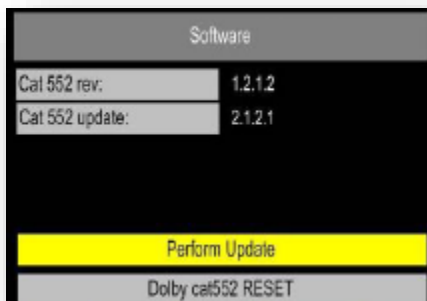
## Upgrade Procedure for PAM-IP devices fitted with Dolby CAT1100 only

As well as the upgrade procedure described on the previous page, PAM1-IP and PAM2-IP products fitted with the optional Dolby CAT1100 module can benefit from firmware upgrades specific to the Dolby module.

Dolby firmware updates for the PAM1-IP and PAM2-IP can be downloaded from the following location:

<http://www.tslproducts.com/product-support/audio-products-support/>

1. Download the Dolby update file from the TSL Products Website using the link shown above
2. Unzip the contents directly onto a FAT 16 formatted USB memory stick
3. Place the USB memory stick into the front panel of the PAM-IP
4. Select the CAT1100 Menu in the Setup 2 Menu of the PAM-IP
5. S/Ware option in the Setup/Setup2 menu.
6. Select the 'Perform Update'.
7. You can monitor update progress on the left-hand screen of the PAM-IP.
8. Once the update is complete, you can power off the PAM-IP, remove the USB memory stick and re-apply power.



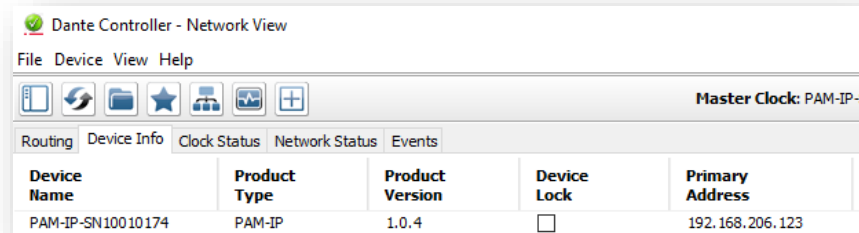
## Upgrade Procedure (for DANTE enabled PAM-IP devices only)

Having updated your PAM2-IP-3G as detailed above, it may also be necessary to upgrade the Dante Firmware to achieve full functionality when used on Dante/AES-67 networks.

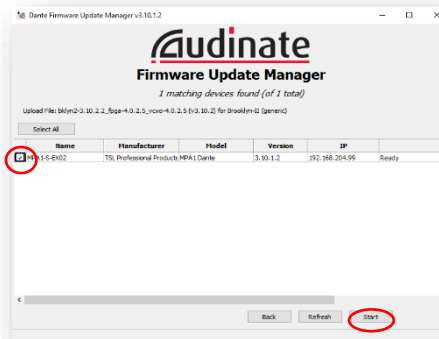
DANTE Firmware for use with PAM-IP products is available here:

<http://www.tslproducts.com/product-support/audio-products-support/>

1. Download the PAM-IP Dante Firmware update file from the TSL Products Website using the link shown above, this will comprise two files.
2. Download the Dante Firmware Update Manager from <https://www.audinate.com/>
3. Using Dante controller, make a note of the 'Primary Address' belonging to the PAM-IP product you wish to update.



4. Using Audinate Firmware Update Manager, select the Ethernet Interface on your PC connected to the same network as the 'Primary Address' belonging to the PAM-IP product you wish to upgrade.
5. Click 'Next' in the Audinate Firmware Update Manager
6. Click 'Update Dante Firmware' in the Audinate Firmware Manager
7. Browse to the location of the DANTE Firmware update file downloaded from <http://www.tslproducts.com/product-support/audio-products-support/>, whose filename takes the form 'bkly2-xxxx\_fpga-x.x.x.dnt'
8. Click 'Next' in the Audinate Firmware Update Manager
9. Your PAM-IP should now be listed in the Audinate Firmware Manger (see below)
10. Select the checkbox belonging to the PAM-IP product you wish to upgrade and click on Start.



11. Wait until the Firmware Update process has completed and reboot your device when instructed by the Audinate Firmware Manager.

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Troubleshooting

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## Technical Support

For technical support, please contact:

<http://www.tslproducts.com/product-support/>