 Refer to [www.allen-heath.com](http://www.allen-heath.com) for instructions on how to update the Avantis firmware and important notes about the update.

### V1.30 November 2023

#### New Features

- Support for Avantis Solo
- Popout Scene List
- PEQ width gesture control
- FX Custom Rotary control
- Support for Custom Control Multi-Unit Configs
- Lock Master Strips Softkey
- Next / Last Scene Recall display
- DX32 optional AES Professional / Consumer mode
- AES I/O card optional AES Professional / Consumer mode
- Support for DX88

#### Additional New Features for dPack users

- NEQ 12-band Mix PEQ

#### Improvements

- Support for latest Avantis Hardware
- DCA/Mute Group assignment from Routing page
- Optionally disable browser based configuration of IP controllers
- DYN8 bypass state now shown in Bank view
- Meter response time improved

#### Fixes

- ID3014 Resolves issue where SLink Preamp scene safes could occasionally be incorrectly unassigned whilst viewing global safes
- ID3148 Fix for rare crash caused by removing USB drive whilst in Library Manager
- ID3089 Global Safes can no longer be changed using the Surface “Safe” key by users without appropriate permissions
- ID644 Compressor control Custom Rotary encoder colours now match 16T when selected
- ID3084 Support for latest QLX-D, ULX-D and Axient Shure RF receivers
- ID2900 USB Record source now reliably recalls after a show recall
- ID2720 DCA Spill now respects bank assignments and will spill over the correct bank.
- ID2774 Renaming a Library in Director Library Manager no longer prevents the Copy To button working as intended.

- ID3027 When fader at full +10dB adjacent faders may have reported incorrect position.
- ID2834 Various USB Softkey playback fixes
- ID3004 Fixes occasional long boot time issue
- ID2389 Flanger FX Unit output reduced by 12dB
- ID3180 Bootloader Network Settings config now consistently applies settings as entered by the user

**Known Issues**

- ID3025 Devices connected in redundant mode to DX2, DX3 and DX4 on DX-Hub do not switch to link B on failure of link A.
- ID3150 EQ Pinch-to-Q does not work reliably on MacOS
- ID3133 Lock Master Strips from Softkey does not work reliably in Director when online.
- ID3188 IP Controller HTTP config enable / disable button may not show current state in Director.
- ID1347 Copy / Paste functions do not always reliably work for DYN8
- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware from v1.03.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

<b>V1.25 April 2023</b>
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Maintenance Release

**Fixes**

- ID3001 Avantis could in certain circumstances fail to boot past ampersand splash screen.
- ID3003 Dante V3 I/O card no longer erroneously setting card fan speed to 0%.
- ID2999 Fixes bug causing Avantis to incorrectly indicate it has not been shut down correctly on the previous boot.

**Known Issues**

- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware from v1.03.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

## V1.24 February 2023

### Maintenance Release

#### Fixes

- ID2907 The Record Send function in Virtual Soundcheck now correctly functions for output 97 and above.
- ID2593 FX Send Level now correctly updating in Relative Scene Update mode.
- ID2972 Ducker now showing correct gain reduction value when key audio is silent.
- ID2836 Inhibits incorrect display of 'Unsafe Shutdown' message.

#### Improvements

- ID2977 Support for V3 **M-DL-DANTE128** and **M-DL-DANTE64** cards following component changes.
- ID2209 Various GUI response time improvements.

#### Known Issues


- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware from v1.03.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

## V1.23 January 2023

### Maintenance Release

#### Fixes

- ID2949 DX-Hub no longer gets stuck in firmware update mode.

 A DX-Hub connected to an Avantis console running V1.23 for the first time may require restarting after 5mins if still in firmware update mode.

#### Known Issues

- ID2907 The Record Send function in Virtual Soundcheck does not correctly function for output 97 and above.
- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware from v1.03.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

## V1.22 December 2022

### Maintenance Release

#### Fixes

- ID2916 A very specific combination of fader level and pan settings on a stereo Mix could result in noise on the Mix output.

#### Improvements

- ID2908 Support of latest Avantis DX168 hardware following component changes.

#### Known Issues

- ID2907 The Record Send function in Virtual Soundcheck does not correctly function for output 97 and above.
- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware from v1.03.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

## V1.21 August 2022

### Maintenance Release

#### Fixes

- ID2793 Fixes issue with metering engine that can in rare circumstances cause a console freeze.
- ID2848 Resolves routing page display issue now allowing access to all controls.
- ID2849 Expander metering data now shown correctly when viewing an expander on both screens of the Avantis.
- ID2867 / ID2868 Fixes issue where console may freeze on audio playback from onboard play/record system.

#### Improvements

- ID2672 / ID2689 Support of latest Avantis hardware following component changes.

#### Known Issues

- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware from v1.03.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

*Several other minor fixes and improvements.*

**New Features**

- Next Generation Real Time Analyser.
- Sennheiser Wireless Microphone Integration.
- Director CSV channel setting import/export.

**Additional New Features for dPack users**

- Bus compressor.
- Source Expander.
- Dual Threshold Expander.
- Opttronik 'B' model.
- Opttronik Emphasis Control.
- Updated Opto model.

**Improvements**

- DCA Spill Options.
  - DCA on Surface.
  - Right to Left Spill.
  - Frozen Strip overspill.
- Softkey functions.
- Direct Out DCA follow option.
- Routing Screen dB value display.
- Support for new Shure hardware revisions (Axient, ULX-D, QLX-D)
- Added global safe user permission.

**Fixes**

- ID2658 Custom rotaries now correctly show Manual Peak compressor values.
- ID2647 PEQ no longer locks PEQ touch events to PEQ band 1.
- ID2664 ME patches to GX4816 connected via gigaACE now behave correctly.
- ID2697 Show recall now reliably recalls Aux source points.
- ID2750 Fixes boot-hang caused by malformed audio files on USB.
- ID2631 Avantis Director now gracefully handles firmware mismatches.
- ID2638 RF Device GUI now able to handle greater numbers of RF devices correctly.
- ID2536 Firmware updates to devices cascaded from GX4816 now much more reliable.
- ID2550 Meters page now shows channels 1-32 and 33 – 64 correctly.
- ID2558 Erroneous start-up scene recall warning removed.
- ID2577 DX164 / DX012 Cascade / Redundant mode displayed in GUI.
- ID2578 Scene Recall confirmation now shown in front of Insert / FX pages.
- ID2589 Show list GUI issue whereby deleting a show from the list could cause the show manager to become unusable.
- ID2622 Comp and Gate gain reduction GUI accuracy improved.
- ID2506 Dante / Waves SRC anti-aliasing filter for 48khz operation improved.
- ID2383 Fine value control in Director now works correctly.
- ID2352 Director will now show channel gain rotaries for devices connected via I/O port or SLink reliably.
- ID1899 Fixes memory leak caused by channel metering.
- ID1911 Level Up / Down softkeys no longer get stuck to +10 when adjusting Min / Max values.
- ID1627 GX link indication now shows single Link status.

- ID2318 GX4816 connected to gigaACE card during show recall would cause erroneous errors in log.
- ID1538 dB value no longer erroneously shown in naming area on repatch.
- ID1487 Various USB keyboard reliability fixes.
- ID2472 Clock drift fix.
- ID2643 FX Engine PAFL listen no longer becomes locked when changing between certain FX engine types.
- ID1064 Various improvements to GUI response time
- ID928 GUI no longer shows invalid paste destinations when pressing and holding the paste button.

**Known Issues:**

- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware from v1.03.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

**V1.13 February 2022**

Maintenance Release

**New Features:**

Shure Wireless Microphone Integration. (ULX-D, QLX-D, Axient Digital).

**Fixes:**

- ID2624 Dyn8 Library pop up now appears when the Options button is touched.
- ID2619 Fixes sidechain notch filter GUI touch and drag issue.

**Known Issues:**

- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware.
- ID2318 GX4816 connected to gigaACE card during show recall can cause erroneous errors in log.
- ID1913 Talkback key in Director does not work correctly in non-latching mode.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2303 Solo In Place softkeys in Director do not enable SIP.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

## V1.12 February 2022

### Maintenance Release

#### Fixes:

- ID2544 Scenes can now be added to the end of cue lists when cue list is over 16 scenes.
- ID2579 Resolves issue whereby the connection or disconnection of Custom Control could cause the app to temporarily freeze.
- ID2574 Firmware update time and performance significantly improved when updating a DX-Hub and/or cascaded DX units.
- ID2045 Director now correctly displays dB level in Naming Area on level change.
- ID2218 Fixes issue where Sync Selected layer in Strip Assign may not work reliably in both directions.

#### Improvements:

- ID2489 Repositioned the Main Bus in the routing page for easier access.
- ID2409 Added dPack specific splash screen.
- ID2568 Updated fan controller to reduce unwanted modulation.
- ID2564 Support of latest DX32 hardware following component changes.
- ID2559 Support of latest DX012 hardware following component changes.
- ID2556 Support of latest DX164W hardware following component changes.
- ID2549 Support of latest AR & AB hardware following component changes.

#### Known Issues:

- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware.
- ID2318 GX4816 connected to gigaACE card during show recall can cause erroneous errors in log.
- ID1913 Talkback key in Director does not work correctly in non-latching mode.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2303 Solo In Place softkeys in Director do not enable SIP.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

## Maintenance Release

**Fixes:**

- ID893 In certain circumstances, the touchscreens could freeze on the ampersand screen when attempting to update firmware.
- ID2434/2435/2412/2461 Several issues related to Dyn8 including erroneous 'Insert Bypassed' message, stereo mix channels losing Dyn8 assignment after reboot, and Listen function not working for Dyn8 bands.
- ID2364/2406/2458 In some circumstances the screen application would crash and restart when attempting to shut down.
- ID2334/992/1913 Several SoftKey issues including some assignments erroneously show as invalid, Tap Tempo not flashing accurately at every beat, and Talkback not working correctly in momentary (non-latching) mode.
- ID2429 The global Direct Out source would switch to Post Preamp after viewing the Routing screen.
- ID1647 Event Logs could cause the mixer to run out of memory after a prolonged period of use.
- ID2471 Locking the mixer would not lock all screens.
- ID1542 A stalled fan would only be reported if already stalled at boot up.
- ID2442 Delays for mix channels were not displayed correctly after a bus config change.
- ID2348 The static IP address was not greyed out when activating DHCP.
- ID2438 Follow Main Pan icons were incorrectly displayed for mono mixes.
- ID2414 Recalling a Show from the Director Show manager would sometimes fail.
- ID2074 Block strip assignment would sometimes not work correctly.
- ID2416 MIDI strips in Director would only send the default MIDI messages.
- ID2307 Some MIDI MMC controls would not work reliably at every press.
- ID2308 Overwriting a Template Show on a USB drive would cause errors.
- ID2303 Solo In Place softkeys in Director would not enable SIP.

*Several other minor fixes and improvements.*

**Known Issues**

- ID2318 GX4816 connected to gigaACE card during show recall can cause erroneous errors in log.
- ID2424 AES and Wordclock settings are not persistent after reboot and don't update correctly after a Show recall.
- ID2510 Recalling a V1.0x Show from the Director Show file manager can fail while running Director online.
- ID2306 MIDI Softkeys in Director send both their 'on press' and 'on release' events on press.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.



## Feature Release

**New Features**

- Support of Avantis Director (offline editor / online control software for Windows and Mac).
- Follow / Invert pan option for Stereo Auxes and Matrices.
- LCR+ Main bus mode with Divergence control.
- Support of MIDI over TCP/IP.
- Solo in Place.
- Several new routing and patching options:
  - Mixes and PAFL available as Input sources
  - Mixes can be patched to PAFL Ext In
  - Mixes and PAFL can be patched to Mix Ext In

**Additional New Features for dPack users**

- Optronik compressor.
- Hypabass subharmonic synth RackFX unit.
- Transient Controller RackFX unit.

**Improvements**

- Embedded Scene Recall now supports remote Avantis, dLive and AHM units.
- New Softkey functions.
- New De-Esser modes.
- USB Audio Playback shows Elapsed and Remaining time.
- Stereo Record options expanded to include Tie Lines, PAFL or FX Unit outputs.
- Improved meter performance.

**Fixes**

- ID1684 Unplugging cascaded DX unit connected to GX4816 could cause Preamp controls to disappear.
- ID1635 Fixes issue whereby in certain circumstances, recalling a Scene from a Cue List would not work.
- ID1630 Corrects GX4816 gain Insert behaviour. Return socket now correctly defaults to 0dB.
- ID1624 Directly patching RackFX output after change from Insert to Mix could cause a crash.
- ID1372 Various improvements to GUI responsiveness.
- ID1354 Cascaded devices connected to AR2412 now reconnect correctly after disconnecting and reconnecting dSnake.
- ID1238 Connecting SLink to gigaACE card immediately after a GX4816 could cause channels not to pass audio until Avantis is power cycled.
- ID623 Side chain sources now shown correctly in drop down menu.
- ID1926 Removes erroneous source point drop down for FX return.
- ID1683 Corrects Preamp GUI behaviour after hotplugging GX4816.
- ID1673 A Scene created with a DX unit connected now recalls correctly without the DX unit connected.

- ID1667 De-Esser Dual Mono mode would always key from channel 1.
  - ID1563 Incorrect show was highlighted after show update.
  - ID1256 Matrix DCA membership indication could be incorrect in naming area after assignment.
  - ID1220 FX Return PEQ could recall during scene changes even when safe.
  - ID555 Utility page could be shown after show recall.
  - ID1977 FX Send name and colour could recall during scene changes even when safe.
  - ID1363 Scene update softkey now correctly opens scene update page.
  - ID1038 Adding large amounts of DCA gain (20db+) to outputs could cause audio level reduction.
  - ID507 Frozen strip indication could become unsynced from GUI after mix config change.
  - ID450 Blank space option missing from user meters.
  - ID1691 / ID1614 / ID1394 / ID1426 / ID1488 / ID1004 / ID935  
Various USB Play/Record system fixes.
  - ID1188 / ID1015 / ID910 / ID1349  
Various fixes to GUI behaviour on scene auto-increment.
- Several other minor fixes and improvements.*

**Known Issues**

- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware.
- ID2318 GX4816 connected to gigaACE card during show recall can cause erroneous errors in log.
- ID1913 Talkback key in Director does not work correctly in non-latching mode.
- ID2306 MIDI Softkeys in Director fire both their 'on press' and 'on release' events on press.
- ID2303 Solo In Place softkeys in Director do not enable SIP.
- ID2300 DCA Spills do not work in Director when online.
- ID2182 LPF/HPF GUI not showing in bank view when off.
- ID2357 If running Director on a Microsoft Surface, touch and hold does not trigger right click menu on custom rotaries.

**V1.03 April 2020**

Maintenance Release

**Fixes:**

- ID1619 DX expanders would not automatically update over SLink.
- ID1610 Improved management of internal fan speed.
- ID1607/1605 Fixes to USB playback system.
- ID1624 Repatching FX units in the I/O screen could sometimes crash the software.
- ID1630 Inserts over SLink would sometimes present the wrong return level.
- ID1631/1629 Fixes to gain control on channel rotaries.

ID200/1553 Resolution of several Internal Errors in the Event Log.

*Several other minor fixes and improvements.*

**Known issues:**

- ID1635 In certain circumstances, recalling a Scene from a Cue List doesn't work.
- ID0893 In certain circumstances, the touchscreens can freeze on the ampersand screen when attempting to update firmware.
- ID1031 A disconnected IP Controller can cause controls and metering to freeze every few seconds until the IP Controller is removed from the connection list.
- ID1131 Creating a stereo input can take longer if multiple pages have been viewed.
- ID1354 If an AB168/AR84 is connected to an AR2412 and becomes disconnected, the AR2412 will need to be reconnected to re-establish the AB168/AR84 connection.
- ID1394 When moving a recording from internal storage to USB storage, the mixer can freeze for around 60 seconds.

**V1.02 February 2020**

Maintenance Release

**Improvements:**

- Second PAFL bus added.
- The Processing and Routing menu options now latch.
- Mono main meter added.
- Hardware Insert icons added to Bank view.

**Fixes:**

- ID0207 AMM meters not working in Name Blocks.
- ID0694 Input levels could be overwritten with Input to Matrix Send levels after a mix config change where Main is changed to None.
- ID0989 The metering source point selection only affected meters on the Meters page, and not the channel strip meters.
- ID1070 Pressing a SoftKey assigned to DCA Mix twice would not return the active Mix to Main.
- ID1186 When sending Mains to a Stereo Matrix, the Mains send pan control would affect the Mains balance and not the send pan.
- ID1420 Some Direct Out options were missing on the Routing screen when the Options button is pressed.
- ID1449 The Output Patchbay option in the Scene Safe system does not safe USB audio patching.
- ID1490 Under certain circumstances the mixer could crash after a scene recall.
- ID1493/1509/1528 The touchscreens could freeze or crash after a show recall.
- ID1500 Touchscreens could freeze after a Mix Config change.
- ID1550/1565/1586/1592 Fixes to channel strip rotary behaviour in sends mode.
- ID1581 Touchscreens could restart after changes to the Input Stereos configuration.

*Several other minor fixes and improvements.*

## **V1.01 January 2020**

### Maintenance Release

#### **Fixes:**

- ID1433 Occasionally the touchscreen can freeze when recalling a show with a different mix configuration to the current show.
- ID1440 Internal error incorrectly shown when Name Block is configured to show IO and a strip where no IO may be assigned is selected.
- ID1419 Internal error incorrectly shown when selecting mono channel after selecting stereo channel or vice versa.

## **V1.00 December 2019**

This is the first public release of Avantis firmware.