



ALLEN HEATH Axient Integrates Shure Wireless Control User Manual

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November 2023

New Features

- Support for Avantis Solo
- Pop Out 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 d Pack 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** bIP 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.

April 2023

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.

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.

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 5 mins 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.

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.

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.

June 2022

New Features

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

Additional New Features for d Pack users

- Bus compressor.
- Source Expander.
- Dual Threshold Expander.
- Optronik 'B' model.
- Optronik 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 giga ACE 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 giga ACE 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.

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 giga ACE 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.

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 DXHub 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 d Pack 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 giga ACE 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.

June 2021

Maintenance Release

Fixes:

- **ID893** In certain circumstances, the touchscreen's 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 giga ACE 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.

March 2021

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 d Pack users

- Optronik compressor.
- Hyperbass subharmonic synth Rack FX unit.
- Transient Controller Rack FX 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 Rack FX 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 giga ACE 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 giga ACE 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.

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.

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.

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.

December 2019

This is the first public release of Avantis firmware.

Customers Support

Avantis Release Notes




Refer to www.allen-heath.com for instructions on how to update the Avantis firmware and important notes about the update.

Avantis Firmware Release Notes V1.30

ALLEN & HEATH

Documents / Resources



[ALLEN HEATH Axient Integrates Shure Wireless Control](#) [pdf] User Manual

Axient Integrates Shure Wireless Control, Axient, Integrates Shure Wireless Control, Shure Wireless Control, Wireless Control, Control

References

- [& Allen & Heath - Heard Everywhere](#)
- [& Allen & Heath - Heard Everywhere](#)
- [User Manual](#)