

ACT 4 20-CH Firmware Update

3.100 Release Notes (Production - Feb 2025)

- DSP Decoding improvements for front wide (9.x.x) layouts with native and upmixed sources
- Web UI code upgrades to increase refresh speed and prevent browser hanging
- Web UI now features faster direct numeric parameter entry
- Web UI now includes factory reset button
- Bootup time reduced by 50% (1 min average reduction)
- Bootup now indicated by orange power button illumination
- Factory reset now indicated by aqua power button illumination
- ESD events previously causing audio loss and reboot now auto-recover in less than a second
- Auto-brightness touch screen mode adjusts to environment ambient lighting conditions
- Support for redesigned backup and restore utility in IAL Tools application
- Touch screen sleep mode now also wakes up with volume knob adjustment
- Fixed intermittent analog input bug requiring re-selection of the input to pass audio
- Fixed PEQ bypass bug causing inconsistent PEQ filter state
- Various bug fixes

3.002 Release Notes (Production - December 2024)

- Stability improvements
- Fix for 'sticking' ramping touch buttons

3.000 Release Notes (Production - March 2024)

- Full Control 4 Support
- Improved SPDIF behavior
- Improved Analog Input behavior

2.999 Release Notes (Production - August 2023)

- Improved Ethernet for Control 4 Support

2.998 Release Notes (Production - July 2023)

- Added support for LCD Hardware revisions
- Updated Ethernet for Control 4 Support
- Resolved Pink Noise issue on Subwoofers 2 & 3

2.997 Release Notes (Production - May 2023)

- Added support for LCD Hardware revisions
- Updated Ethernet

2.995 Release Notes (Production - January 2023)

- Resolved Ethernet DHCP Setup Issue

2.992 Release Notes (Production - July 2022)

- Added support for additional Hardware revisions

2.990 Release Notes (Production - May 2022)

- Updated HDMI Infoframe handling
- Added UDP SDDP support for network discovery

2.980 Release Notes (Production - December 2021)

- Resolved audio muting performance with compressed sources during transitions
- Improved LCD format updating

2.970 Release Notes (Production - November 2021)

- Resolved High Shelf filter not functioning
- Resolved audio drop out issue with compressed sources
- Resolved DTSX Dialog controls not functioning when available
- Resolved DTS 24/96kHz playback issue with small layouts
- Improved audio muting performance during transitions
- Improved DTSX lock in speed
- Improved HDMI & SPDIF lock in speed
- Improved handling for all DSP configurations
- Improved SPDIF (Optical and Coax) performance

2.960 Release Notes (Production - August 2021)

- Resolved issue with older DSP upgrade

2.950 Release Notes (Production - July 2021)

- Improved Atmos playback performance
- Improved HDMI Audio / Video lock in performance & stability
- Resolved PCM 2.0 / 5.1 Playback issues
- Improved audio muting performance during transitions

2.940 Release Notes (Production - May 2021)

- Improved HDMI audio lock in performance
- Improved HDMI Bitstream handling

2.930 Release Notes (Production - March 2021)

- Improved handling of HDMI Bitstream content
- Added HDMI Advanced Input Detection option for all HDMI Inputs (Enabled on i7 & i8)
- Added HDMI Advanced Input Detection controls to Web (IP/pro.html)
- Advanced Input Detection – Improves lock in performance with Apple TV & other sources
- Resolved Web Page Sub #1 Crossover Issue

2.920 Release Notes (Production - February 2021)

- Improved handling of HDMI Bitstream content
- Improved SPDIF lock in performance
- Added Processor Image support
- Improved Web Page performance

2.910 Release Notes (Production - January 2021)

- Resolved Dolby Digital Plus lock in issue
- Resolved Web Page Sound Mode Control (2.1 – 7.1)
- Resolved Web Page Volume Level iOS – Safari issue
- Improved Tivo / Dolby Digital lock in performance

2.900 Release Notes (Production)

- Improved HDMI PCM & Bitstream lock in timing
- Resolved Sub2 & Sub3 pink noise issue

2.890 Release Notes (Production)

- Improved locking speed with ADC/SPDIF/HDMI interfaces
- Resolved loss of Night Mode Issue

2.880 Release Notes (Production)

- Improved HDMI performance switching between Bitstream and PCM based signals

2.870 Release Notes (Production)

- Improved SPDIF lock speed (Optical and Coax)
- Enhanced SPDIF handling (HDMI)

2.860 Release Notes (Production)

- Resolved volume control issue at low levels
- Enhanced controls added

2.850 Release Notes (Production)

- Improved HDMI performance with Bitstream and PCM based signals
- Improved volume control performance
- Updated web interface subwoofer crossover controls

2.840 Release Notes (Production - August 2020)

- Resolved DSP boot up sensing behavior

2.830 Release Notes (Production - June 2020)

- Resolved FH & RH no sound issue for internal generators
- Improved HDMI performance
- Improved Auto Sound Mode “Native” format selection
- Improved Night Sound Mode “Native” format selection

2.820 Release Notes (Production - April 2020)

- Resolved Subwoofer Pink Noise low level issue

2.800 Release Notes (Production - March 2020)

- Extended DSP support
- Improved overall system performance

2.700 Release Notes (Production - December 2019)

- Resolved DTS 24/96.0kHz playback issue with DTS Sound Mode
- Improved noise performance of digital system

2.610 Release Notes (Production - December 2019)

- Resolved Generator Issue with Height 3 output mapping error (Left and Right were swapped)

2.600 Release Notes (Production - November 2019)

- Resolved 9.X.X wide speaker output mapping error (Left and Right were swapped)
- Resolved 9.X.X wide speaker PEQ | Delay | Level | Polarity functionality
- Extended functionality of controls available via the Web Interface
- Updated subwoofer crossover behavior on LCD
- Updated i16 analog Sound Mode loss of audio issue (Only when i16 is an input)

2.599 Release Notes (Production - November 2019)

- Resolved issue with subwoofer delay controls for subwoofers 1, 2, and 3
- Resolved issue with NVIDIA Shield High Bit Rate audio support
- Resolved Sound Mode loss of audio when switching from Auto to DTS Sound Mode
- Resolved incorrect response for TCP/IP, RS232 control of Dolby Center Spread and DTS DRC
- Resolved IR Remote "analog" toggle not working on ACT4
- Resolved Trigger output not enabling properly
- Resolved low output level "pink" noise output on subwoofers
- Resolved LCD update of "Direct" processing for layouts 7.1 and lower
- Improved IR Remote performance "analog" and "digital" toggle behavior
- Extended functionality of controls available via the Web Interface

2.520 Release Notes (Production - June 2019)

- Improved audio system performance

2.510 Release Notes (Production - June 2019)

- Improved system update performance
- Adjusted wide output level with Dolby Surround and 9.X.X layouts

2.500 Release Notes (Production - June 2019)

- Improved Network Connectivity and DHCP compatibility
- Improved Wide Support for Dolby Surround and DTS Neural X upmixing with 9.X.X layouts
- Resolved DTS X / DTS Height issues with 9.X.X layouts
- Resolved Volume Level 1 output issue
- Resolved AUX Output low level issue after startup
- Resolved Sound Mode issue producing Direct Mode behavior when switching between DTS and Dolby Sound Modes

2.410 Release Notes (Production - May 2019)

- Improved Web Controls – Sound Modes / Subwoofer Controls
- Resolved DTS Format Playback Issues
- Resolved DTS DRC Issue
- Updated PEQ Default Frequency Bands to (125Hz | 250 Hz | 500 Hz | 1.0 kHz | 2.0 kHz)
- Independent Crossover Per Subwoofer reverted back to single crossover as in 2.197 for all subwoofers for this release. Will be adding this back in the next DSP firmware update.

2.400 Release Notes (Production - May 2019)

- Improved Web Controls – Full Speaker Parameter Controls via Web Page
- Improved Subwoofer Crossover Performance – Independent Crossover Per Subwoofer
- Improved Switching Audio Performance

- Resolved Locked Signal / Muted Audio Issue
- Resolved Trigger Output Enabling Issue
- Resolved Web Page Input / Sound Mode State Issue
- Resolved Wide / Top Rear Generator Issue
- Resolved Wide / Top Rear Trim Controls
- Improved HDMI Audio Performance
- Improved DSP Performance Switching and LCD Information
- Improved Switching Audio Performance

2.197 Release Notes (Production - January 2019)

- Resolved AUX Output & Downmix Off Issue from 2.195 (AUX and Downmix now work again)

2.196 Release Notes (Development - January 2019)

- Resolved Micro C Firmware Updating bug

2.195 Release Notes (Production - January 2019)

- Resolved Night Mode Issues – Speaker layout and real time updating of different night mode layouts
- Added UDP Legacy command support (1way UDP)
- Added UDP (2 way support) – Complete reporting of states
- Added TCP/IP (2 way support) – Complete reporting of states
- Improved/Updated RS232 serial port command responses
- Updated HDMI build 50 (Found 52 to have drop outs)

2.190 Release Notes (Development - January 2019)

- Improved DHCP / Static IP address Setup
- Lowered Downmix output level (1V now)
- Updated DSP build 2.2.5
- Updated HDMI build 52
- Improved DSP boot up stability
- REV D Hardware SYS5 (Removed SPI buffers to DSPs and HDMI)

2.100 Release Notes (Production - November 2018)

- Initial Production Release of the 20-CH

2.000 Release Notes (Development - September 2018)

- Enabled 9.1.6 Audio Output
- Enabled 4 AUX Audio Outputs (AUX DB-9)