ACT 4 16-CH Firmware Update: Version 1.810

1.810 Release Notes

- Resolved Low volume level issue (Volume 1)
- Resolved other volume level issues

1.800 Release Notes

- Updated HDMI 2.0 Support
- Various bug fixes

1.750 Release Notes

- Resolved Night Mode issues (LCD and Night Mode layout changes now update)
- Resolved Trigger Power On issue with Delay (First time startup)
- Improved DTSMA 96.0kHz stability
- Various bug fixes
    - Added 4K HDR HDMI 2.0 board update
    - Improved performance
    - Resolves HDCP Issues with Output Port 2
    - Version 50 / 46 / 58 (HDMI chips Version 21)

1.740 Release Notes

- Added 4K HDR HDMI 2.0 board update
    - Improved switching performance
    - Resolves HDCP Issues without Port
    - Version 46 / 46 / 58 (HDMI chips Version 21)

1.720 Release Notes

- Added 4K HDR HDMI 2.0 board update
    - Improved switching performance
    - Resolves HDCP Issues
    - Version 46 / 44 / 58 (HDMI chips Version 20)

1.710 Release Notes

- Resolved HSR82 Support issue with 1.700 (HDMI Menu – Back and Home working now)
    - Only impacted 1.700 systems with HSR82

1.700 Release Notes

- Updated Dolby and DTS DSP firmware
    - Version 1.9.88

- Added 4K HDR HDMI 2.0 board update
  - Improved switching performance
  - Resolves HDCP Issues
  - Version 46 / 40 / 58 (HDMI chips Version 20)
- Resolved ESD / Audio dropout issue
  - If event has been sensed, then audio will be restored with up to 2 seconds
  - Reboot will not be required now
- Improved Night Mode performance
- Various bug fixes

1.650 Release Notes

- Updated Dolby and DTS DSP firmware
  - Resolves some night mode issues from Dolby Testing
  - Resolves 9.1.2 working on DTSX
  - Version 1.9.87
- Resolved ESD / Audio dropout issue
  - If event has been sensed, then audio will be restored with up to 2 seconds
  - Reboot will not be required now
- Improved Night Mode performance
- Various bug fixes

1.600 Release Notes

- Added 4K HDR HDMI 2.0 board update
  - Resolves muted audio drop out issue
  - Resolves TV turned off on HDMI output audio mute issue
  - Version 46 / 28 / 58 (HDMI chips Version 15)
- Added HDMI 2.0 signal format controls
  - Standard (TDMS limit = 450 MHz)
  - Enhanced (TDMS limit = 600 MHz)

1.550 Release Notes

- Added built in self-test mode (Production Test)
- Added DTS analog compensation (DTS Certification – feature was disabled)
- Updated LCD Screen version

1.500 Release Notes

- Added support for new 4K HDR HDMI 2.0 board (7 input / 2 output)
- Updated LCD graphics for HDMI support
- Improved Dolby Digital Plus Level performance

- Improved system muting performance
- Various bug fixes

1.300 Release Notes

- Resolved LCD intermittent lock up issue
- Resolved DTS PEQ performance issue
- Resolved Dolby Subwoofer Level performance
- Resolved EDID issue with old Sony Blu-ray players and DTS Master Audio formats
- Resolved DTS: Express playback issue
- Improved Crossover frequency selection
- Improved subwoofer performance
- Improved system muting performance
- Various bug fixes

1.200 Release Notes

- Added 16 channel output support for up to 7.3.6 formats (subwoofers 2 and 3 with 6 Height speakers supported for 5.X.6 / 6.X.6 / 7.X.6)
- Subwoofers 2 and 3 signals are output via the Downmix Output (variable output) when 6 Height speakers are enabled (Downmix Left = Subwoofer 2 & Downmix Right = Subwoofer 3)
- Added support for DTS High Resolution format
- Updated web-based control interface (Full Speaker Settings and PEQ controls via the web browser interface)
- Updated web app performance
- Updated Speaker Layout selection (Layout will be updated after selection has been made)
- Improved Night Mode performance
- Improved DTS:X performance
- Improved overall PEQ performance
- Improved Downmix 2.0 performance with Dolby and DTS sources
- Improved system muting performance
- Improved IR Remote functionality with extended IR commands
- Resolved Top Middle Delay issue
- Resolved Generators issues on HDMI, Optical, Coax, and Analog Inputs
- Resolved LCD Power off issue
- Resolved Optical and Coax functionality – PCM 2.0 support now up to 192.0kHz
- Resolved Optical and Coax Upmixing with Dolby surround or DTS Neural:X Surround
- Resolved DTS Master Audio 7.1 issues that were incorrectly reported as 5.1 format

- Added support for DTS High Resolution formats
- Resolved PEQ performance on Front and Rear Height channels
- Improved PEQ performance when Q=0.00
- Various bug fixes

1.010 Release Notes

- Increased Sound Mode switching speed
- Improved audio signal type reporting to LCD screen
- Improved HDMI performance (video and audio)
- Improved system muting performance during stream transitions
- Cross mixing: Dolby Surround can upmix any Dolby or DTS signal
- Cross mixing: DTS Neural:X Surround can upmix any Dolby or DTS signal

- Added support for WIDE speakers up to 9.1.2 signals
- Added Dolby Atmos decoding support for up to 6 Height Channels
- Added Dolby Atmos support for 2.X.2 and 3.X.2 speaker layouts
- Added Downmix 2.0 Output support (Fixed level output – Includes Dolby Atmos and DTS:X cases)
- Resolved LCD Timeout – Now all LCD screen timeout settings are functional
- Resolved LCD Startup Issue
- Resolved Sky set top box HDMI + Dolby Digital Issues
- Added System Reset Command (Reset that preserves speaker, IP, and trigger settings)
- Generators Updated – Controls added to Speaker parameters page (Select Generator and then select the individual speaker to rapidly test all speakers)
- All speaker layouts with 2 Height channels are output on Height 1 (Top middle speaker location was Height 2 on all previous firmware releases)
- ACT 4 Internal temperature is now reported on the Settings Page (Upper left corner in degrees C)
- EQ – Added Global Low Shelving filter (Frequency | Gain)
- EQ – Added Global High Shelving filter (Frequency | Gain)
- EQ – Enabled 4 Bands per output channel (Frequency | Gain | Q)
- EQ – Added PEQ Channel Toggles (Individually toggle PEQ sections ON | OFF)
- EQ – Added Global PEQ Toggle (Toggle all PEQ on all speakers ON | OFF)
- Various bug fixes