

## ATSC-SDI 4 Firmware History

### Control Firmware:

- S37 2.06 7-17-15 Adds ability to select 60/59.94 Hz for 1080i and 720p, sets 1080p to 60Hz
- S37 2.07 09-28-15 Improve USB stick HD update, ignore Power button while updating.
- 2.08 S37 11-17-15 Added password to web page. Single password that can be cleared through front panel menu.
  - Added UDP reply, and reply enable/disable commands ">UO", ">UF".
  - IR remote volume buttons will no longer turn on unit.
  - Added "auto" setting to output resolution.
  - Fixed Output Setting in Front Panel Mode Response String
- 2.09 12-16-15 Fixed bug where 720p was setting tuner to 480i, 480i was setting to 720p
- 2.11 4-1-16 Enables faster Auto resolution switching
- 2.12 05-09-16 Fixes possible issue with webpage password on firmware update (if updating from old, previous firmware, you may need to use the front-panel menu to clear the Web page password, then reboot power)
- 2.13 5-27-16 Adds Consumer and Pro digital audio settings, SDI audio On/Off
- 2.16 7-6-16 Fixed bug where 720p was setting tuner to 480i, 480i was setting to 720p, adds UDP Reply Enable in FP menus and setting stays if tuner cycles power
- 2.17 7-14-16 Improves HD USB update (Install before updating HD firmware)
- 2.18 8-25-16 Setup will start tuner if it is locked at Power On, DHCP and Subnet are now sensed correctly – which corrects issue with non-responsive Web control, Web correctly selects 1080i and 720p
- 2.20 11-16-16 Keeps Web page password after power loss. Universal update for ATSC+1, ATSC+SDI, ATSC-SDI4 tuners
- 2.21 11-18-18 Fixes MAC address bug in 2.20 for SDI tuners
- 2.22 12-2-16 Improvements in Web page operation in large networks
- 2.23 12-12-16 Fixes bug in Web Control page that can cause disconnects
- 2.24 1-27-17 Press and hold Setup to show the IP address, sends Status string when tuning analog channels, DHCP settings are saved for setting Static address, improved IP/Gateway front-panel settings
- 2.25 2-22-17 Now shows No Signal on a channel with no program (fix to V2.24)

## HD Load Firmware

- 3.04 adds ability to select 60/59.94 Hz for 1080i and 720p, sets 1080p to 60Hz. Also reduces jitter for SDI output.
- 3.11 improves SDI color performance, especially Luminance
- 3.14 11/23/15 Improved color space and black level, channel list won't change or drop virtual channel live – must rescan to ID virtual channels, added 36ms audio delay to improve lip sync, initializes overscan to zero
- 3.17 4/1/16 - Improves H.264 reception. Improves on-screen closed captions
- 3.19 4-22-15 Allows single-part channels above 1023, changes audio streams to Copy Permit from Copy Inhibit for SPDIF audio.
- 3.20 5-27-16 Adds Consumer and Pro digital audio settings, SDI audio On/Off
- 3.22 7-11-16 Fixes tuning of Times Warner programs with incorrect CVCT
- 3.23 8-25-16 Adds more memory for channel lists
- 3.25 11-18-16 Fixes errors in 708 captioning
- 3.26 2-8-17 Assures that analog channels are stored in non-volatile memory
- 3.33 3-30-17 Reduces audio looping, adds MPEG2/MPEG4 detection and physical channel ID to Info pop-up, the tuner won't switch to an analog channel if a single-part digital is sent channel twice