

ATSC-SDI Release Notes

Control Firmware (S37):

- **V2.28** 12/7/18 – Allow more special characters in web page password. Improve web page loading.
- **V2.27** 1/2/18
 - Add PCM audio **AC3 Cmpr Mode** setting
 - Fix web page bug, initial unwanted characters, bad baud rate display.
- **V2.26** 11/27/17
 - Fix non-responsive Web pages.
 - Adds "." as delimiter for serial HD channel commands.
 - Fix occasional flashing character when menu times out.
- **V2.25** 2/22/17 - Now shows No Signal on a channel with no program (fix to V2.24)
- **V2.24** 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
- **V2.23** 12/12/16 - Fixes bug in Web Control page that can cause disconnects
- **V2.22** 12/2/16 - Improvements in Web page operation in large networks
- **V2.20** 11/16/16
 - Keeps Web page password after power loss.
 - Universal update for ATSC+1, ATSC+SDI, ATSC-SDI4 tuners
- **V2.18** 8/25/16
 - Setup will start tuner if it is locked at Power On
 - DHCP and Subnet are now sensed correctly
 - Web correctly selects 1080i and 720p
- **V2.17** 7/14/16 - Improves HD USB update (install before updating HD firmware)
- **V2.16** 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
- **V2.14** 6/1/16 - Fixes minor issue using Up button at HD Output menu
- **V2.13** 5/27/16 - Add selection of Consumer or Pro digital audio, HDMI audio on/off
- **V2.09** 12/16/15 - Fixed bug where 720p was setting tuner to 480i, 480i was setting to 720p
- **V2.08** 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.
- **V2.07**
 - S37 2.07 09-28-15 Improves USB stick HD update
 - Ignore Power button while updating.
- **V2.06** - Selection of 60/59.94 Hz for 1080i/720p
- **V2.04** - Starting with this update, the ATSC+1 uses the same S37 and HD Load
- **V1.19** - Fixes RS-232 selection of minor channels over 255
- **V1.18** - Improved IR communication to work with automation systems.
- **V1.10**

- improves RS-232 and daisy-chain operation
 - HD Load 5.02 firmware, initial production release
- **V1.9** - Adds testing features for factory production
- **V1.8** - Fixes RS-232 daisy-chain operation
- **V1.7** - Initial S37 firmware for HD firmware 5.02 used with new board
- **V1.6**
 - Fixes RS-232 command for tuning analog channels.
For example, channel 6 can be tuned with a >TC6 or >TC6-0 command.
- **V1.5**
 - Adds status command for Channel and Program name (requires HD firmware 4.06 and above)
 - Add: Channel name to front panel LCD.
 - Add: Serial commands for channel name (>NC), and program name (>NP).
 - Add: Support for up to two telnet sessions.
 - Fix: Volume LCD display off by one with single step changes with IR remote.
 - Fix: Saving IP Port addresses greater than 255 with Setup menu.
 - Fix: Keep Digital Audio setting with HD firmware update.
- **V1.3**
 - Adds HD Load mode, shows HD firmware on **Setup: Firmware** selection
 - When user sets tuner to default settings, values are set without needing to reset power.
- **V1.2**
 - Adds Web Control and Settings pages, now displays 1-part digital channels correctly
 - Update voltage while in Setup/Firmware.
 - Added serial commands KK=141-144, KK=158-160, S2 and R5
 - Fixed replies for >EN, >EF commands, (<xEN, <xEF).
 - Added serial commands KK=155-157, KK=161,162.
 - Fixed bug, baud rate was not restored with a power-up reset
 - Added user-changeable Tuner Name
 - >NW=Our Tuner -command
 - >NM -get name
 - <1NMOur Tuner -reply
 - Added backlight, contrast and tuner name serial commands
 - >M0=x -backlight setting, x = 0-9
 - >M8=x -LCD contrast setting, x = 0-8
 - Fixed >S0 command
 - Fixed >S4 (lockout) greater than 7
 - Fixed display of "VOLTAGE HIGH"
 - Fixed IR Power On command
 - Bug fix for 1-part channel numbers and channels greater than 254
- **V1.1**
 - Fixes errors in status feedback,
 - better volume level operation,
 - reset by holding down Power and Up buttons.
 - Added special front-panel button sequences
 - SELECT + (down) toggles HDCP on/off.
 - (up) + (down) toggles air/cable.
 - (left) + (right) toggles mute on/off.
 - While on Setup: Firmware, SETUP + POWER will cause entry into bootloader.
 - If the setup operation is locked-out, SETUP + > (right) will unlock setup until a reset.
 - If the power is locked-out and the it is off, SETUP + > (right) will turn it on.
 - Holding (up) + (down) during a power-on will cause entry into bootloader.

- While in Firmware Loader: < (left) button will cause reset, to exit Firmware Loader, if good application exists.

HD Load Firmware

- **2.22** 4/7/17 Prevent the toggling between analog and digital channel when entering single-part channel.
- **2.21** 7/15/16 Increases cable channel IDs to 1700
- **2.10** 4/22/16 Allows single-part channels above 1023, changes audio streams to Copy Permit from Copy Inhibit
- **2.19** 5/27/16 Adds Consumer and Pro digital audio settings, SDI audio On/Off
- **2.08** Updates how the channel list operates; the list won't change or drop virtual channel live – must rescan to add or change virtual channels
- **2.06** Improves Closed Captioning operation
- **2.05** More universal playback of AC-3 and MPEG1 audio, tweaks lip-sync
- **2.03** raises Composite video to optimum level
- **2.02** Sets embedded SDI audio to Group 1 and ignores other groups
- **1.16** fixes tuner reboot on transport stream errors
- **1.14** locks audio sync to video, eliminates any drift