

# QMOD HD Modulator QIP IPTV Encoder Firmware History

## Version (all models):

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Version: 1.0.61 03.25.2015

- Fixed 480i/576i issues on SDI.
- Added 1080p/25 input resolution.
- Added hardware versions to LCD display menu.
- Updated SDI CC handling.
- Updated CC Source menu to include SDI-2.
- Fixed SDI audio group 3 and 4.
- Fixed problem on the HDMI2 when switching HDMI-1 and HDMI-2 inputs at the same time on the web page.
- New LCD Keyboard v2.2 to fix occasional single line display problem.
- Added Reboot Counter to front panel Counter menu under Program A & B.
- Fixed problem editing IP addresses in front panel menus.
- Added display of input resolution on Program A & B pages.
- Fix for HDMI2 and SDI2 audio sources not selecting properly.

Version 1.078 6.24.2015

- Improved SDI digital captioning
- Fixes selection of SDI groups
- Improved SDI input handling
- Added the ability to change the number for each Program
- Updated Web pages and menus, Advanced page/menus for special functions
- Improved scaling, especially for RGBHV
- Added hardware versions to menus and Web pages
- Implemented EAS, any AV input can be selected for use
- Improves fan operation

Version 1.079 7.1.2015

- Fixed SDI audio input selection for SPDIF, note audio options for the SDI 2/1.5 in the manual

Version 1.1.10 9.28.2015

- Supports AC-3 Pass-through
- Fixes SDI 608 Closed Caption packets
- General improvements to operation
- Updated HDMI EDID for video and audio

#### Version 1.1.12 10.5.15

- Fixed variable bit rate problem on Ethernet stream.
- Set upper limit on destination port to 65535.
- Fixed problem setting Unicast IP address for some specific numbers.

#### Version 2.0.0 3.22.16

- Adds MPEG4 H.264 encoding
  - RF QAM will be one stream with up to two programs
  - IPTV streams will always be independent SPST streams
- A number of bug fixes, including audio drop-outs.

#### Version 2.0.6 Date: 4.15.2016

- 1. Changed 1080P60 input to output 1080i on H.264.
- 2. Added support for QIP models

#### Version 2.2.0 Date: 6.22.16

- Fixed long term audio loss.
- Added error log.
- TTL is now fully adjustable.
- Added adjustable Ethernet speed, Auto/100Mbps
- Added support for 8 SDI pairs (if existing setting is G2-G4, change audio pair)  
Previous: G1=P1, G2=P2, G3=P3, G4=P4
- Changed maximum for major channel from 999 to 9999.

#### Version 2.3.4 Date: 11.12.16

- Reduced encoding latency setting for MPEG2 (200-500 ms), MPEG4 (300-500 ms). Note that buffer operation adds 150 ms, and TV decoding adds about 150ms, so typical RF end-to-end latency will average about 500 ms
- Audio In format menu displays analog, PCM, AC3, and AAC formats
- RTP protocol for IP streaming
- 1080p H.264 streaming when output resolution is set to Auto
- Improved front-panel USB detection

#### Version 2.4.0 1.19.17

- Eliminates fuzzy video that occurred if a Composite video source is connected after the QMOD is powered up
- Enables scaling for 1080psf24/23.94 Structured Progressive video
- Encodes H.264 1080p encoding for RF channels