

## QMOD HD Modulator QIP IPTV Encoder Release Notes

Version 2.5.8 Date:2018.01.17

- Update to fix 8VSB Air modulation.
- Fixed SDI Closed Caption buffer overflow.

Version 2.5.6 Date:2017.12.13

- Updated Kernel and u-boot for new Rev G Encoder boards.

Version 2.5.5 Date:2017.10.05

- Changed default Source ID to be non-zero.

Version 2.5.3 Date:2017.09.13

- Added new modulation format Air 8VSB.
- Added adjustable Source ID for each Program.

Version 2.4.6 Date:2017.06.28

- Fixed video stutter on Program B when Program A was set to MPEG2 and Program B set to H.264. This issue was only in version 2.4.4.

Version 2.4.4 Date:2017.05.24

- Fix for crash on DM8165 for 2x H264 1080p60 encoding.
- Added "Custom No IP" reset so that you can clone a QMOD/QIP without overwriting the IP settings.
- Bitrate for H.264 1080p output can now be from 7.5 to 15Mbps.
- Allow 2 encoders with same video input to have different output resolutions as long as they are both progressive or both interlaced.

Version 2.4.0 Date:2017.01.19

- Corrected Reboot counter not incrementing in version 2.3.9.

Version 2.3.9 Date:2017.01.18

- Eliminates fuzzy video that occurred if a Composite video source is connected after the QMOD is powered up.
- Added H.264 1080p output encoding for RF with auto out resolution enabled.
- Added SDI 1080psf24 Segmented Frame video input resolution support.

Version 2.3.4 Date:2016.11.08

- Added RTP protocol for Ethernet output.
- Added 1080p output resolution for H.264 Ethernet only with auto out resolution.
- Lowered latency and added adjustments under Advanced menu.
- New LCD firmware 4.2 to fix front panel USB detection.

- New Audio FPGA firmware 1.3 detects AAC input but AAC pass through is not supported. Audio input format displayed on Program A and B menus.

Version 2.2.0 Date:2016.06.22

- Fixed long term audio loss.
- Added error log.
- TTL is now fully adjustable.
- Added adjustable Ethernet speed.
- Added support for 8 SDI pairs.
- Changed maximum for major channel from 999 to 9999.

Version 2.0.6 Date:2016.04.15

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

Version 2.0.2 Date:2016.04.01

- Fix Video 1 usage with SDI\_HDMI model.
- Added IP TS Mode to allow either one MPTS or 2 SPTS.
- Allowed SPTS destination ports to be the same if IP address is different.

Version 2.0.0 Date:2016.03.22

- Added MPEG4 video encoding.
- Added AAC audio encoding.
- Split Ethernet output into 2 SPTS streams.
- Added save/load custom reset data.
- Implemented user password on web page.
- Added front panel lockout.
- Fixed loss of audio bug.
- Increased program number range to 9999.
- Added user set Unit Name.
- Added 567i-25Hz output resolution.

Version 1.1.12 Date:2015.10.05

- 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 1.1.10 Date:2015.09.28

- Supports AC3 pass through.
- Supports new QMOD-SDI HDMI.
- Fixed SDI 608 closed caption packets.

Version 1.0.79 Date:2015.07.01

- Fixed SDI audio problems on SPDIF. S/P-DIF inputs are fixed on SDI QMODs.

Known issues, SDI QMODs only:

- Only two of the four available SDI audio groups, (stereo pairs), may be selected at a time from an SDI input. (Example: if SDI1-G1 and SDI1-G2 are used with Program A, then SDI1-G3 and SDI1-G4 are unavailable for Program B.)
- Only one audio group can be used from an SDI input, if the two S/P-DIF inputs are already being used.
  - An S/P-DIF input may be unavailable if 2 SDI audio groups are already selected from an SDI input.
- If there is no audio from a selected S/P-DIF input and there are two audio groups selected from an SDI input, then temporarily deselect all SDI groups, (go to NONE), reselect the S/P-DIF, (go to NONE then SPDIF), then reselect the SDI groups.

Version 1.0.78 Date:2015.06.24

- Fixed fan control problem.

Version 1.0.77 Date:2015.06.23

- Corrected SDI audio group selections.
- Fixed MAC address changing problem

Version: 1.0.76 Date: 2015.06.18

- Updated web pages.
- Improved digital closed captions.
- Added program number.

Version: 1.0.70 Date: 2015.05.27

- Improved scaling.
- Implemented EAS.
- SDI video handler improved.

Version: 1.0.61 Date: 2015.03.25

- 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.
- Known issue on SDI Closed Captions: 720p input resolution does not always work. Try to use 1080i input resolution with digital closed captions.

Version: 1.0.53 Date: 2015.02.11

- New Audio FPGA version 0.11 for SDI and YPB. Fixes noise on YPB SPDIF input with no signal.

Version: 1.0.52 Date: 2015.02.02

- Bitrate for 480p output is limited to 6-16,000,000 default 11.
- Default for Audio-1 is AC3.
- Fixed web page problem for Audio-2 in Program A.
- New RGB resolutions for HDMI QMODs, WXGA (1280x768-60Hz), 1360x768-60Hz.
- Lower latency.

Version: 1.0.50 Date: 2015.01.26

- Improved analog closed captioning.