

Equal-i 2S Image Processor – Unit revisions 2.1

Microcontroller changelog

2.08 (Release date 05/18/2016)

Note: Must be paired with FPGA code 2.00, and utilizes installation updated EQ Map Set B.

- Improved look and feel for Video+Content Mode for EQ Map Set B
- Added new white balance commands:
 - :BALL!
Action command that balances to inside left-hand box
 - :BALMATCH!
Action command that matches to balance obtained in :BALL! command, designed to force right-hand box to match left
 - :BALBOXES=0,1
Command to display left/right ROI boxes for white balancing
 - :BALBOXPOS=1-100
Command to position left/right boxes vertically up/down for installer optimal balancing
- Added new Gamma command:
 - :GAMMA=1-6
Command to adjust gamma with 6 separate preset level options. Factory default = 1
- Updated factory default white balance RGB colors and color gain values

1.14 (Release date 2/12/2016)

- Adjustment to default offsets for Immersive Everywhere mode (OPMODEFE=4)
- Enables Immersive PTZ function
Note: Must be paired with FPGA code 926/912/912, and may require installation of additional EQ Map.
- Removed all WiFi-related code
- Updated codebase to latest compiler version

1.13 (Release date 10/23/2015)

- Adjustment to default offsets for Immersive Everywhere mode (OPMODEFE=4)

1.12 (Release date 10/21/2015)

- Adjustment to default EQ Map utilized with Immersive Everywhere mode (OPMODEFE=4)

1.11 (Release date 10/18/2015)

- Change to LOADFAC command to allow it to reset default framerate to 30Hz
- Fixes intermittent offset corruption issue when switching between front end operating modes
- Adds new OPMODEFE value (:OPMODEFE=4) that allows for “Immersive Everywhere” feature

1.10 (Release date 7/31/2015)

- Adjustment to default offsets for Letterbox mode (OPMODEFE=2)

1.09 (Release date 6/26/15)

- Adjusted HORPAN/VERTPAN offsets for new warp maps. Modified procedure for changing frame rates for new FPGA code.

1.08 (Release date 5/15/15)

- Increased size of TX/RX buffers from 220 to 240 to accommodate longer responses from WiFi module.

1.07 (Release date 5/14/15)

- Increased max range on HORPAN and VERTPAN commands from 384 to 1000.

1.06 (Release date 5/6/15)

- Additional modifications to OPMODEFE=2 by adjusting top/bottom black-bars.
- Resolved issue with bootloader by moving mCmdDictionary from const in ROM to RAM variable.

1.05 (Release date 5/3/15)

- Modified default horizontal and vertical offsets for OPMODEFE=2 to match EQ Map changes

1.04 (Release date 4/28/15)

- Modified default horizontal and vertical offsets for front end operating mode #1 to match warp file changes.
- Added register initialization for Geo #2, Address 0x09 to value 0x40.

1.03 (Release date 4/26/2015)

- Modified process to set back end operating mode (OPMODEBE) to match modifications to FPGA.

1.02 (Release date 4/24/2015)

- Resolved issue with WIFICMD dropping out after several iterations by changing timeout value in WF_WaitForAns().
- Modified RS232_Get_Message() so that when a caller restricts message length to less than message in buffer contents, remaining chars are discarded so that rx_msg_pointer is correctly positioned.

1.01 (Release date 4/21/2015)

- Modified default horizontal and vertical offset values associated with front end operating mode changes.
- Added an additional rs232 buffer reset in main() initialization to fix problem with initial LAN password submission created by garbage from WiFi module when not configured for no debug messages.

1.00 (Release date 4/1/2015)

- Initial Release