

MC-12HD Digital Controller/Processor

Release Notes

The purpose of this document is to communicate any points that are not fully discussed or to correct and update text within the MC-12HD User Guide, Part No. 070-17555, Rev 0.

Manual revisions pertinent to the V2.00 Software upgrade:

- The V2.00 allows the passing of 7.1 PCM (LPCM) upto 96 KHz source via HDMI inputs. Upon receiving a 7.1 LPCM source over HDMI, the MC-12HD automatically loads **7.1HD DIRECT** mode. This new mode is analogous to 5.1mc STANDARD and allows the use of bass management, speaker crossovers, speaker distance calibration, and audio controls (tone controls). When these features are not used, the **7.1HD DIRECT** listening mode is similar to the 7.1mc BYPASS listening mode. Note: no special setting on the MC-12HD is required. Upon detecting the 7.1 LPCM audio, the MC-12HD will display **7.1HD DIRECT** in quick status.
- When listening to 7.1 LPCM audio, pressing 2CH button on the remote loads **7.1HD 2-CHAN** mode. In **7.1HD 2-CHAN** mode all channels are downmixed to Front L/R.
- The V2.00 fixes an abrupt noise issue when switching from certain 48KHz LPCM tracks to 96KHz LPCM disc title track and vice versa.
- Improved audio sync time when playing CD.

NOTE:

- It is recommended that users back up their settings using configuration utility as a precaution.
- When source's HDMI audio output is selected as LPCM, the MC-12HD does not decode the audio signal. That is, in case of Dolby and DTS formats, the upstream source device is responsible for decoding the signal and outputting a LPCM signal to the MC-12HD.
- If source device is setup to output HDMI Audio in "Bitstream", then the MC-12HD will NOT detect the 7.1 audio streams.

Manual revisions pertinent to the V1.25 Software upgrade:

The V1.25 software upgrade resolves a potential noise issue. In some cases, while using the 5.1mc surround mode and 5.1 surround analog inputs, there may be noise on the analog output line. This software revision resolves potential noise on the analog output while using the 5.1 analog inputs.



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Manual revisions pertinent to the V1.21 Software upgrade:

The V1.21 software upgrade provides the following support for the MC-12HD Digital Controller:

- Compatibility with Pioneer Kuro Plasma and Sony KDS monitors.
- Resolves the video artifacts issue (occurrence of a blue line to the left side of the picture) with Toshiba HD-DVD players.
- Resolves the loss of center channel condition that can occur while using the Logic 7 multi-channel surround modes.

Manual revisions pertinent to the V1.20 Software upgrade:

With the V1.20 software upgrade, the MC-12 HD supports 1080p 60 Hz, 1080p 50 Hz, and 1080p 24 Hz video resolutions over HDMI. The following changes pertain to the MC-12 HD user manual in support of this change:

Page 1-2: About the MC-12 HD summary

The MC-12 HD can pass digital video signals of up to 1080p, and multiple digital audio channels (5.1 channels) at sample rates of up to 96 kHz through the HDMI interface.

Page 2-23: HDMI Status menu and page 2-29: HDMI Status menu description

The VID FMT (Video Format) parameter can display 480i, 480p, 720p, 1080i, and 1080p as possible video resolution settings, as reflected by the actual setup of the MC-12 HD Processor.

Page A-2: HDMI Performance Specifications

The Video Resolutions parameter can display 480i, 480p, 720p, 1080i, and 1080p as possible video resolution settings. Note that the available resolution levels are dependent upon the capabilities of the HDMI display connected to the MC-12 HD HDMI output connector.

Manual revision pertinent to the V1.10 Software upgrade:

Page 3-22: Format Detection Parameter description

The Format Detect parameter is independently adjustable for each input. It was implemented to correct anomalies in certain mixed audio format and satellite broadcast signals. Within the V1.10 software upgrade, if you require the FAST FORMAT DETECT setting for one of your inputs, you should avoid using PLIIx listening modes with that input.

General Manual Corrections (not dependent upon a software upgrade)

Customer Service and Product Shipment Information

Contact and address information have changed. Refer to www.lexicon.com for the correct information.

Page 2-8: Rear Panel graphic and page 2-10: Digital Audio Input Connectors (Section #19) description

The Rear Panel graphic, in section #19: Digital Audio Input Connectors, is incorrect, as is the accompanying description on page 2-10. The available connectors include six S/PDIF coaxial (RCA) and six S/PDIF optical TosLink connectors. There is no optical mini jack connector available.



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Page 3-19: Main Advanced menu descriptions

The Main Advanced menu description on HDMI OSD was omitted from the manual. The description is:

HDMI OSD

Controls the appearance of the on-screen display when the display device is connected to the HDMI output connector. When ON, the display device shows the on-screen display as a video signal overlaid on the incoming HDMI video. If the SETUP>DISPLAYS>ON-SCREEN DISPLAY>BACKGROUND parameter is set to ON, or the INPUT SETUP menu HDMI IN parameter is set to NONE, the OSD will display on a full blue screen background. If the current input also has an active incoming S-video or composite video signal, the OSD on both the HDMI and S-video/composite Main Zone outputs display as white characters on the screen. Otherwise the HDMI OSD displays in full color. Available settings are HDMI-1 to HDMI-6 & NONE.

Corrected text to explain video connections

Pages 2-7 and 3-13 contain explanations of video output connector availability that differ (the explanation on page 3-13 is incorrect). The correct explanation follows:

- Composite video output connectors are available when a composite or S-video source is present.
- S-video output connectors are available when an S-video source is present.
- Component video output connectors are available when a component, composite or S-video source is present.

On-Screen Display color limitations

Depending on the analog video configuration of your system, when MAIN MENU > SETUP > DISPLAYS > ON-SCREEN DISPLAY > BACKGROUND is set to OFF, you may see a black-and-white on-screen display (OSD) instead of a color OSD when HDMI video is selected.

This behavior is a limitation that occurs only when an active composite or S-video source is assigned as an input in addition to an HDMI input, and you are using the HDMI OUT connector to view the video source.

To overcome this limitation, on the input(s) you have set up to pass HDMI video, set VIDEO IN to NONE.

Incorrect column headings

On pages 2-18 and 2-19, the Zone 1 column headings should read Zone 2.



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