QU-14WE

v1.3 HDMI 1 to 4 Mountable Distribution Amplifier

OPERATION MANUAL

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1. Introduction

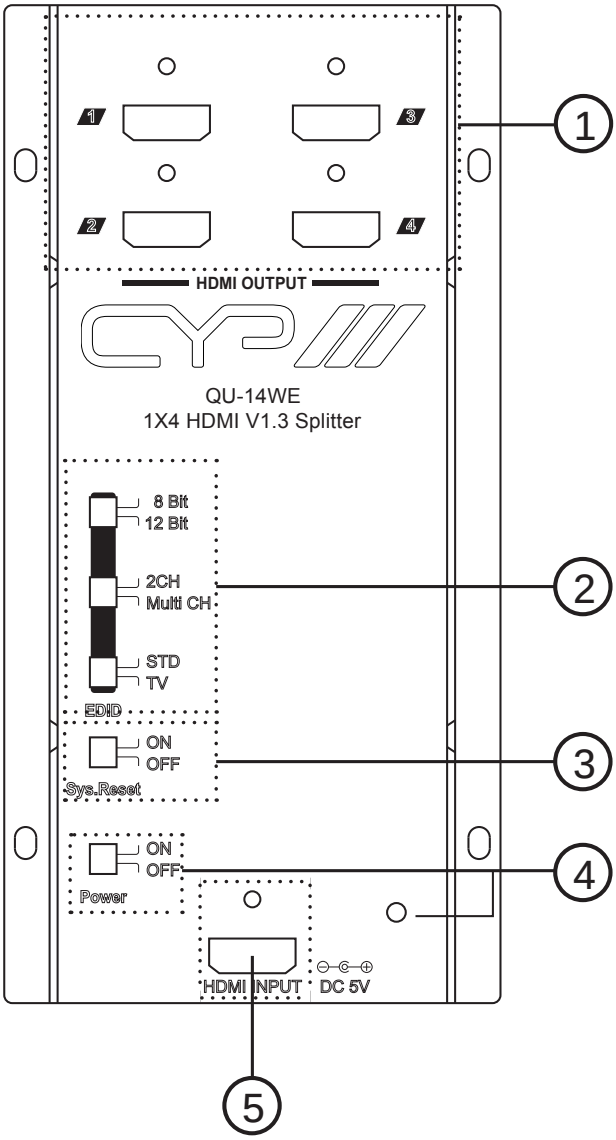
The QU-14WE Wall Mountable HDMI Distribution Amplifier has a single HDMI input with 4 HDMI outputs. The Explorer chipset based splitter is compatible with both Deep Colour and High Definition Audio, with EDID boost and System Reset Controls. It boasts an extended HDMI output range of up to 10 metres. EDID management is handled by a simple switch. A common application of this product is in commercial and residential installations where one HDMI source is required at multiple HDTV's.

2. Features

- Compliant with v1.3 HDMI, HDCP 1.1 and DVI 1.1 standards.
- HDMI 1 to 4 Distribution Amplifier (Splitter).
- Resolutions Supported:
  - PC: VGA to UXGA
  - HDTV: 480i to 1080p, plus 1080p24fps.
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio, plus LPCM (32-192KHz sample rate).
- Auto signal amplification & equalisation improves signal transmission distances.
- Support CEC bypass.
- Supports 'Deep Colour' (10 & 12 bit).
- Selectable EDID settings - TV (downstream) and STD (fixed).
- System reset function switch generate a command every 10 minutes to the connected displayus which resets them to the correct HDMI input.
- HDCP Keysets allows each output to work independently when connecting different colour depth HDMI displays.
- Supports xvYCC.

3. Operation Controls and Functions

3.1 Front Panel



1. HDMI Outputs 1 ~ 4: Connect your HD TV or other HD device with HDMI cables.
2. EDID Control Switch: Default setting is TV (downstream). In this mode the QU-14WE will search all output ports (starting at output 1) for the highest video/audio settings connected to each of the outputs. The detection priority of the matrix is v1.3 HDMI, v1.2 HDMI, DVI. Switch to STD (fixed EDID) if you have any issues with the default setting (TV). When switching to STD, please ensure that the unit is powered OFF, then ON again, for the setting to be made. By changing to STD, this will force the source to be configured as standard stereo (PCM) Audio and initiate a search for a common compatible video resolution.

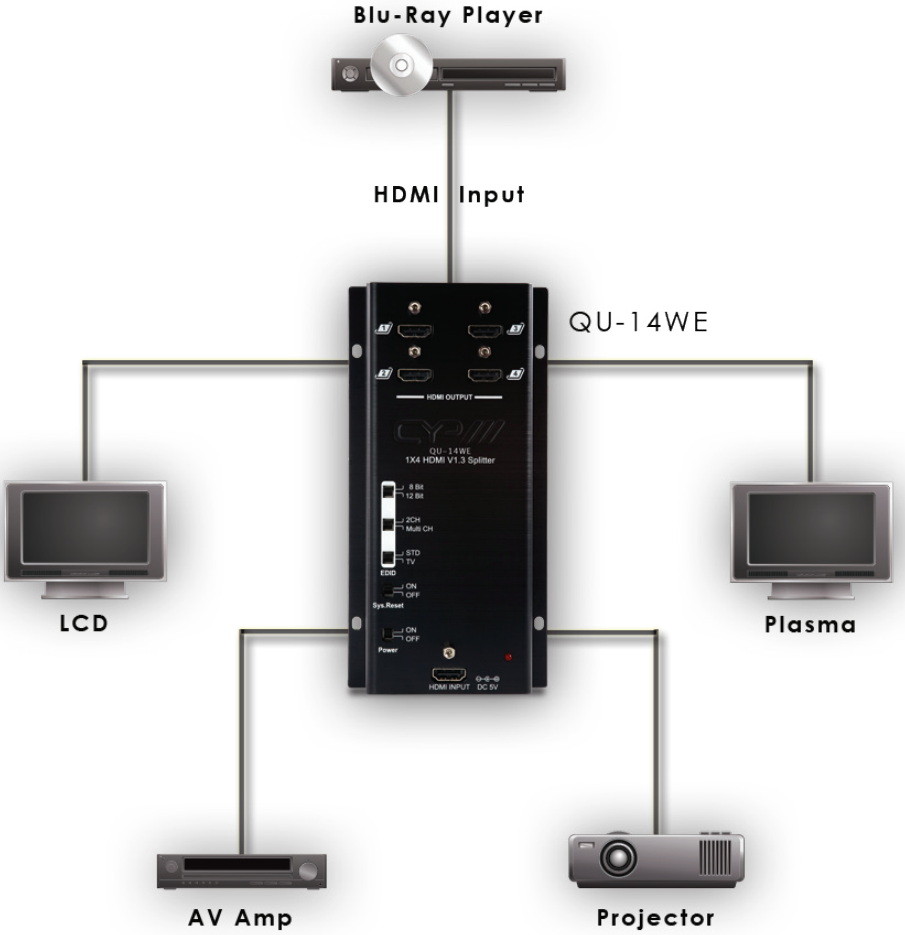
   Note: When in STD mode the deep color is suggest to switch to 8-bit for longer distant display.
   2CH/Multi CH – Supports 2 channels or Multi audio channels audio function. This selection is only available when EDID is in STD mode.
   Note: When Multi CH is selected TV/display must also supports Multi CH function otherwise, TV/display will have no audio output. Unless, HDMI output connect to Amp and then to TV/display.
   8/12 bit – Supports 8 or 12 bit's deep color function. This selection is only available when EDID is in STD mode.
   Note: When HDMI output has both 8-bit and 12-bit displays, to ensure all output will display, switch to 8-bit.
   On the other hand, when all output are with the same bit's displayer of 12-bit or 8-bit then switch the function to 12-bit or 8-bit will be proper. The splitter will not function according to different bits' of display on HDMI outputs simultaneously

3. System reset function: It is suggested that this function is switched OFF, except when doing system reset. By switching this ON the system will reset TV to HDMI Input within 8~10 minutes. Switching to OFF means CEC bypass.
   Note: The system reset function will only operate when the display has built-in CEC functionality.

4. Power & LED: Power switch On/Off - Red LED illuminates when power is on.

5. HDMI INPUT: Connect your source equipment with HDMI cables.

4. Connection Diagram



5. Specifications

Input Port	1 x HDMI
Output Port	4 x HDMI
Power Supply	5V/3.2A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	94(W) x 187(D) x 32(H)
Gross Weight (g)	560
Net. Weight (g)	460
Chassis Material	Aluminium
Colour	Black
Operating Temperature	Operating from 0°C ~ 40°C
Power Consumption	5.5W (max.)

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