



# QU-14S

1 to 4 HDMI Distribution Amplifier

**OPERATION MANUAL**



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Version 1.1

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## SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

## REVISION HISTORY

VERSION NO.	DATE	SUMMARY OF CHANGE
v2.00	12/07/2019	Updated format/diagrams

# CONTENTS

<b>1. Introduction</b> .....	<b>6</b>
<b>2. Applications</b> .....	<b>6</b>
<b>3. Package Contents</b> .....	<b>6</b>
<b>4. System Requirements</b> .....	<b>6</b>
<b>5. Features</b> .....	<b>7</b>
<b>6. Operation Controls and Functions</b> .....	<b>8</b>
6.1 Front Panel .....	8
6.2 Rear Panel.....	9
<b>7. Connection Diagram</b> .....	<b>10</b>
<b>8. Specifications</b> .....	<b>11</b>
<b>9. Acronyms</b> .....	<b>12</b>

## **1. INTRODUCTION**

The QU-14S Distribution Amplifier (splitter) accepts one HDMI input and splits this signal to four identical outputs. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour' together with High Definition Audio. Each buffered output can run 1080p/8-bit up to 20 metres and can also be cascaded up to 3 layers.

## **2. APPLICATIONS**

- /// Simultaneously display an HDMI source on 4 TVs/projectors
- /// Showroom display
- /// University lecture hall display
- /// Retail sales displays

## **3. PACKAGE CONTENTS**

- /// 1×1 by 4 HDMI Splitter
- /// 1×5V/2.6 A Power Adaptor
- /// 1×Operation Manual

## **4. SYSTEM REQUIREMENTS**

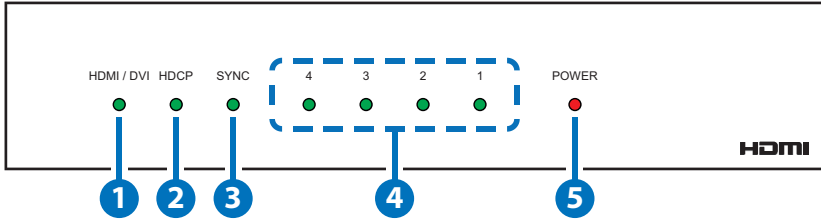
HDMI source device such as a DVD/Blu-ray player and HDMI equipped displays (TVs/monitors) with High Speed HDMI cables.

## 5. FEATURES

- /// v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- /// HDMI 1 to 4 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
- /// Auto signal amplification & equalisation improves signal transmission distances
- /// Supports CEC bypass
- /// Supports Deep Colour (10 & 12 bit)
- /// Selectable EDID settings - TV (downstream) and STD (fixed)
- /// Power, HDMI/DVI, HDCP & SYNC plus independent output LED's indicator
- /// Supports xvYCC
- /// Supports 3D signals

## 6. OPERATION CONTROLS AND FUNCTIONS

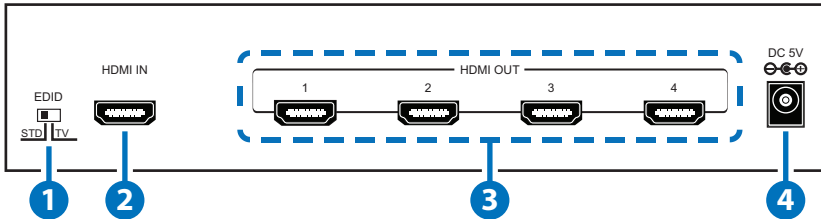
### 6.1 Front Panel



- ① **HDMI/DVI Indicator:** The LED will illuminate when the selected HDMI input source is originally from an HDMI output, the LED will not illuminate when the selected HDMI input source is originally from a DVI output.
- ② **HDCP Indicator:** The LED will illuminate when the selected HDMI input source is HDCP-protected.
- ③ **SYNC Indicator:** The LED will illuminate when the selected HDMI IN connects to an HDMI or DVI output correctly.
- ④ **HDMI output Indicator:** The LED will illuminate when the output sources are been connected.
- ⑤ **POWER Indicator:** The power LED will illuminate when power on.

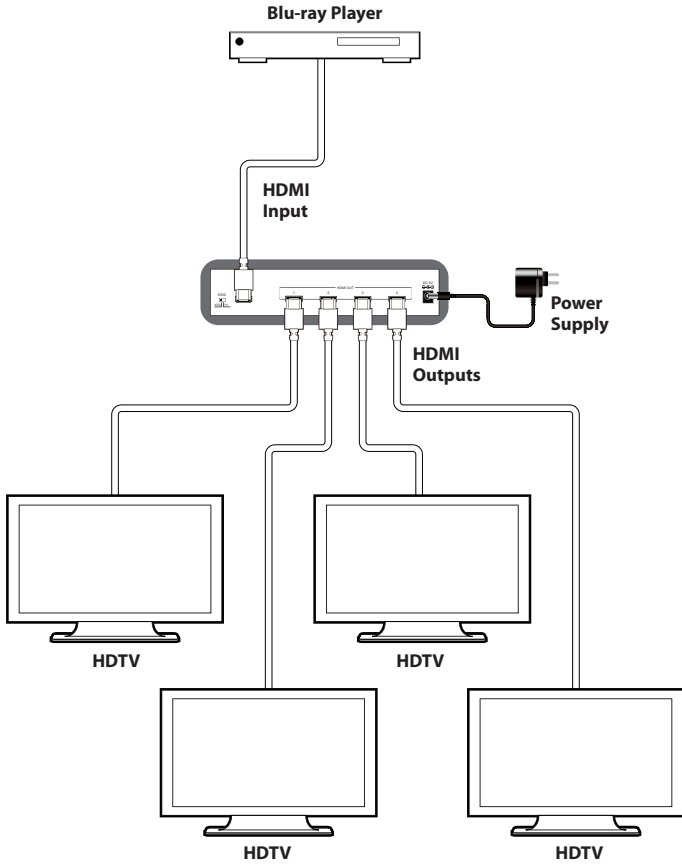


## 6.2 Rear Panel



- 1 EDID Control Jumper:** Default factory setting is TV, leave as is if the display is properly. Switch to STD to use built-in EDID if the display has problems. When the EDID control jumper in TV selection, the unit will detect the first HDMI output source's EDID and record in the unit. If the first detected output source is DVI it will pass to next source, until the first HDMI been detected.
- 2 HDMI Input:** Connect input port to the HDMI or DVI output of your source equipment such as DVD player or set-top-box.
- 3 HDMI Outputs 1 to 4:** Connect each of the output ports to the HDMI display. When more than one output connected, the HDMI outputs play identical video signal simultaneously.
- 4 Power:** Plug the 5V DC power supply into the splitter and connect the adaptor to AC wall outlet.

## 7. CONNECTION DIAGRAM



## 8. SPECIFICATIONS

<b>Frequency Bandwidth</b>	2.25Gbps (single link)
<b>Input Port</b>	1x HDMI female port (Type A connector)
<b>Output Port</b>	4 x HDMI female ports
<b>Power Supply</b>	5VDC/2.6A (US/EU standards, CE/FCC/UL certified)
<b>Dimensions (mm)</b>	215(W) x 133(D) x 44(H)
<b>Weight(g)</b>	850
<b>Chassis Material</b>	Metal
<b>Silkscreen Color</b>	Black
<b>Operating Temperature</b>	0°C ~ 40°C

## 9. ACRONYMS

<b>ACRONYM</b>	<b>COMPLETE TERM</b>
<b>DTS</b>	Digital Theater System
<b>EDID</b>	Extended Display Identification Data
<b>HDCP</b>	High-bandwidth Digital Content Protection
<b>HDMI</b>	High-Definition Multimedia Interface
<b>HDTV</b>	High Definition Television









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