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VALUE-ENGINEERED DIGITAL SOLUTIONS

DL-HD24A-H2 Quick Install Guide

This guide is for quick installation only.
For complete owners manual go to www.libav.com or use a QR reader to access the manual via QR code below.

Scan QR Code with your Smart-phone or Tablet

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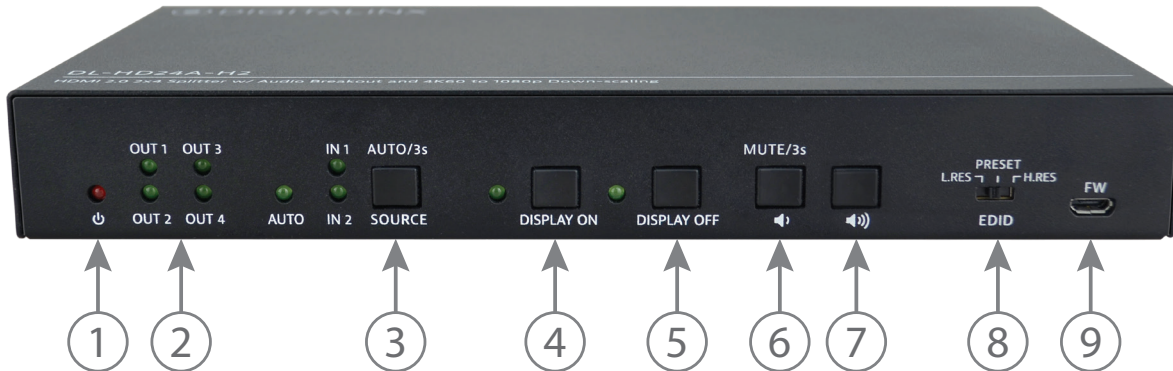Phone: 719-260-0061
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Product Overview

The Digitalinx DL-HD24A-H2 is an HDMI 2.0 compatible 2:4 auto scaling and auto switching HDMI distribution amp / splitter that features two HDMI inputs and four HDMI outputs. The splitters HDMI outputs can switch as a group to either input via auto or manual switching methods and supports down scaling so a 4K video input can automatically be down scaled to an 1080p output when connecting a display that only supports resolutions up to 1080p. The DL-HD24A-H2 supports 4K signals up to 4K@60Hz / 4:4:4 / 8 bit color and features an easy EDID management option using dip switches on the rear panel of the unit. Analog and digital audio can be de-embedded from the selected HDMI input and the DL-HD24A-H2 supports CEC control and is HDCP 2.2 compliant. The DL-HD24A-H2 can be controlled via front panel buttons, RS232 or by TCP/IP control.

Package Contents

- DL-HD24A-H2 2:4 Switching DA
- Quick Install Guide
- (4) Plastic Cushions
- (2) Mounting Clips with (4) Mounting Screws
- 12V DC Power supply with US, EU, UK and AU power adapters.

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Front Panel View

1. **POWER LED INDICATOR -** Illuminates solid RED when device is powered ON

2. **OUTPUT LED INDICATORS** - Illuminates solid GREEN when there is an HDMI output on the corresponding channel

3. **SOURCE BUTTON and LED INDICATORS**

   AUTO - Switching mode indicator; illuminates solid GREEN when device is in auto switching mode, OFF when in manual switching mode. To change switching modes, hold down the SOURCE button for 3 seconds.

   IN1 / IN2 - Input indicator; illuminates solid when corresponding input channel has been selected. To change inputs, use the SOURCE button to toggle between inputs. Front panel input control only works in manual switching mode.

4. **DISPLAY ON** - Press button to turn connected displays ON via CEC or RS232

5. **DISPLAY OFF** - Press button to turn connected displays OFF via CEC or RS232

6. **VOLUME DOWN/MUTE** - Press button to turn connected display volume down via CEC or RS232. To mute audio press and hold button down for 3 seconds

7. **VOLUME UP** - Press button to turn connected display volume UP via CEC or RS232. Use up button to exit audio mute mode

8. **EDID** - EDID value settings selector

9. **FW** - Micro USB connector for firmware updates

Rear Panel View

1. **INPUTS** - Two HDMI input ports to connect HDMI sources

2. **OUTPUTS** - Four HDMI output ports to connect HDMI displays

3. **AUDIO OUT** -3 pin phoenix connector for analog audio output

4. **SPDIF OUT** - Toslink digital audio output port for digital audio output

5. **EDID** - 4 pin dip switches for EDID settings

6. **RS232** - DB-9 female connector for RS232 control

7. **TCP/IP** - RJ45 for Telnet or web GUI control

8. **DC12V** - 2-pin terminal block for external power supply

Connectivity Instructions

1.   Verify all components included with the extender set are present before installation.

2.   Turn off power and disconnect the audio/video equipment by following the manufacturer's instructions.

3.   Connect the source devices to the HDMI inputs using HDMI cables that are less than or equal to 1.5 meters in length for 4k/60Hz signals. For source devices that are further away, it is highly recommended to install an extender such as the Digitalinx DL-HD70, DL-HDE100 or DL-HD2100.

4.   Connect the display devices to HDMI outputs using HDMI cables that are less than or equal to 7 meters in length for 4k/60Hz signals. For display devices that are further away, it is highly recommended to install an extender such as the Digitalinx DL-HD70, DL-HDE100 or DL-HD2100.

5.   Connect Ethernet and RS232 control connections (optional)

6.   Connect and lock the power supply to the power connector by twisting the locking collar clockwise.

7.   Power on attached audio/video devices.

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Technical Specifications

Input/Output Connections	
HDMI Inputs	Two (2) HDMI Type A Receptacles
HDMI Outputs	Four (4) HDMI Type A Receptacles
TCP/IP	One (1) 8P8C Port (Shielded RJ45 Female)
RS232	One (1) Female DB9 Port
Audio	- One (1) Analog L/R audio output, 3-Pin 3.5mm Phoenix connector - One (1) Digital SPDIF output, Toslink connector
Supported Audio, Video, and Embedded Control	
Video Resolutions	Up to 4K@60Hz 4:4:4 8 bit
Video Bandwidth	18Gbps
Maximum Passive HDMI Cable Distance	1.5m for 4k60 signal for input / 7m for 4K60 signal for output
Video Compliance	HDMI 2.0b, HDCP 2.2 and CEC compliant
Embedded Audio	LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X™, and DTS-HD® Master Audio™ pass-through.
De-embedded Audio	Analog L/R Out: PCM Digital Out: PCM, Dolby Digital, DTS, DTS-HD
Device Control Parameters	
Ethernet	100BaseT
RS232 Baud Rate	Up to 115200
Chassis and Environmental	
Enclosure	Painted Aluminum
Dimensions (H x W x D)	28.5mm x 215mm x 110mm (1.1 in x 8.5 in x 4.3 in)
Shipping Weight	630g (1.4 lbs.)
Operating Temperature	-5° to +55° C (+23° to +131° F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-20° to +70° C (-4° to +140° F)
Storage Humidity	10% to 90%, Non-condensing
Power, ESD, and Regulatory	
Power Supply	Input:100V-240VAC / 50-60 Hz Output: 12VDC 1A
Power Consumption	12W (Max.)
ESD Protection	8kV air, 4kV contact
Product Regulatory	FCC, CE, RoHS
Other	
Standard Warranty	5 years
Included Accessories	Quick Install Guide,(4) Plastic Cushions, Rack Mounting Ears with Screws, (1) AC power adapter with US, UK, EU and AU power plugs

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