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DL-AS61U-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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Product Overview

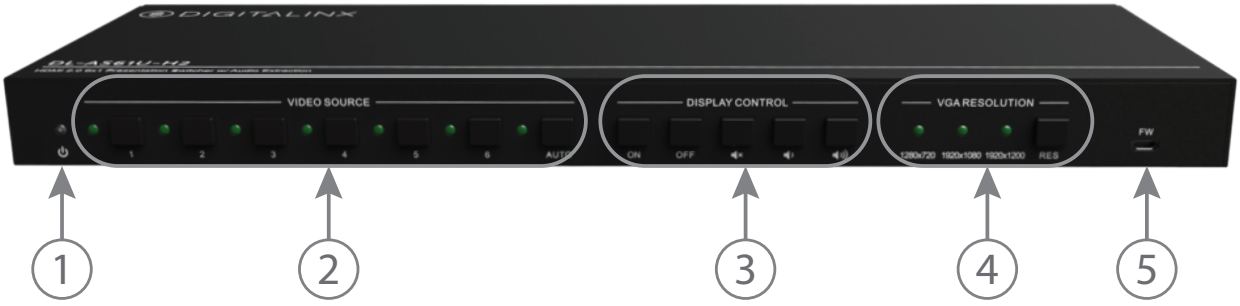
The DL-AS61U-H2 is a 6x1 HDMI 2.0b auto presentation switcher featuring three HDMI, one USB-C , one DisplayPort and one VGA input as well as one HDMI output. The first two HDMI inputs support MHL. This switcher supports video resolutions up to 4Kx2K@60Hz 4:4:4 / 8 bit deep color as well as HDR and multichannel audio. In addition to passing native EDID information from the display to an input on the switcher, there are multiple built-in EDID settings to choose from to simplify an installation. The switcher can de-embed digital and/or analog audio for audio reinforcement purposes which is de-embedded from the HDMI output. The switchers functions can be controlled by built in web server / GUI, IR remote, RS232, IP or by front panel button operation. Integrated CEC support for display control via front panel buttons is built in. For a list of available control commands for RS232 and IP control, please see the owners manual for this product located online at www.libav.com.

When in auto-switch mode, the switcher will switch to an input as soon as a new source is connected. When the active source is removed, the switcher will select the first source on the lowest numbered input.

Package Contents

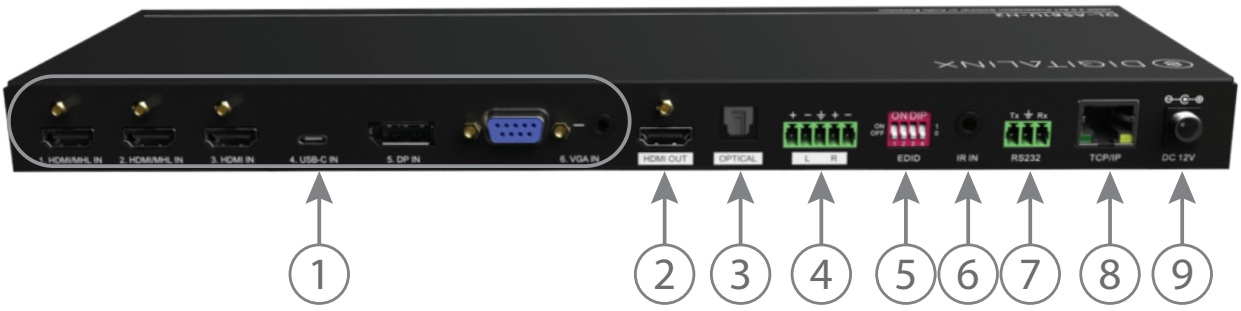
- DL-AS61U-H2 Auto Presentation Switcher
- Quick Install Guide
- (1) IR Receiver
- (1) IR Remote
- (1) 3 pin Phoenix Connector
- (1) 5 pin Phoenix Connector
- (1) DB9- 3 pin Phoenix RS232 breakout cable
- (1) DC12V 2A power supply with US, UK, AU and EU power plugs
- (2) Mounting Clips with 4 screws
- (4) Plastic Cushions

Front Panel View



1. **POWER LED** - Illuminates solid RED when device is in standby mode, illuminates GREEN when device power is ON
2. **VIDEO SOURCE:**
   - *Buttons 1-6* - Video input front panel buttons, LEDs for the respective inputs will illuminate GREEN when selected
   - *AUTO Button* - Switches between auto and manual switch mode. Hold down for 3 seconds to enable /disable audio switch mode.
3. **DISPLAY CONTROL:**
   - *ON* - Press to turn display ON either by CEC or RS232
   - *OFF* - Press to turn display OFF either by CEC or RS232
   - *Volume Mute* - Press to mute display either by CEC or RS232
   - *Volume Down* - Press to turn display volume down either by CEC or RS232
   - *Volume Up* - Press to turn display volume up either by CEC or RS232
4. **VGA RESOLUTION:**
   - VGA resolution selection. Press *RES* repeatedly to set the preferred VGA resolution when the VGA input source is selected. Illuminates GREEN to indicate VGA resolution selected.
5. **FW** - USB port for firmware upgrade procedure

Back Panel View



1. **VIDEO INPUTS:**
   - *Three HDMI input ports*
   - *One USB- C USB input port*
   - *One DisplayPort input port*
   - *One VGA input port with 3.5mm audio input*
2. **HDMI OUT** - HDMI output for connecting to TV display
3. **OPTICAL** - Toslink output for digital audio output
4. **L/R AUDIO** - 5 pin phoenix; balanced left and right analog audio output
5. **EDID** - Dip switch setting for EDID management
6. **IR IN** - 3.5mm connector to connect IR receiver to control switcher by IR remote
7. **RS232** - 3 pin phoenix; output port for connection display or 3rd party control
8. **TCP/IP** - RJ45; Networking port
9. **DC 24V** - Locking power supply port

Connectivity Instructions

1. Verify all components included with the DL-AS61U-H2 set are present before installation.

2. If the DL-AS61U-H2 is going to be permanently mounted to a surface, attach the included mounting brackets with the supplied screws.

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

4. Connect an HDMI cable that is less to or equal to 5 meters in length between the display and the HDMI output of the DL-AS61U-H2. For display devices that are further away, an HDMI extension device will be required to complete the connection.

5. Connect a source device to the HDMI input using a HDMI cable that is less than or equal to 5 meters in length. For source devices that are further away, an HDMI extension device will be required to complete the connection.

6. Connect a source device to the DisplayPort input using a DisplayPort cable that is less than or equal to 5 meters in length. For source devices that are further away, an extension device will be required to complete the connection.

7. Connect a source device to the USB-C input using a USB-C video cable that is less than or equal to 2 meters in total length.

8. Connect a VGA source device to the VGA input using a 15-pin VGA cable.

9. Connect a 3.5mm audio cable into the respective VGA audio input

10. Connect RS232 control between the display to control connected display or connect to a 3rd party control system to control switcher functions (optional)

11. Connect TCP/IP control to a 3rd party control system to control switcher functions (optional)

NOTE: A list of control commands for this unit is available in the owners manual online at *www.libav.com* under the *DOCUMENTATION* tab of the DL-AS61U-H2 product page

12. Connect IR receiver to IR IN port to control switcher via supplied IR remote (optional)

13. Set EDID mode on front panel of unit to desired EDID setting

14. Connect the included power supply to the DL-AS61U-H2 and lock the power supply to the power connector by twisting the locking collar clockwise.

15. Power on attached audio/video devices.

Technical Specifications

Video	
Video Inputs	(2) HDMI/MHL, (1) HDMI, (1) USB-C, (1) DisplayPort, (1) VGA
Video Input Connector	(3) HDMI Type A Female, (1) USB-C , (1) DisplayPort, (1) 15-pin VGA
Input Video Signal	HDMI for HDMI input, ALT-DP Mode for USB-C, DP Version 1.2 for DisplayPort input, MHL Version 2.2 for MHL
HDMI Input Resolution Support	Up to 3840 x 2160 @60Hz / 4:4:4 / 8 bit deep color for HDMI
MHL Input Resolution Support	Up to 10809 @60Hz
USB C Input Resolution Support	Up to 3840 x 2160 @30Hz / 4:4:4 / 8 bit deep color for HDMI
DisplayPort Input Resolution Support	Up to 3840 x 2160 @60Hz / 4:4:4 / 8 bit deep color for HDMI
VGA Input Resolution Support	Up to 1920x1200 @50/60Hz
Video Output	(1) HDMI
Video Output Connector	(1) HDMI type A
Output Resolution Support	Up to 3840 x 2160 @60Hz / 4:4:4 / 8 bit deep color
Standards	Compliant with HDMI 2.0b, HDCP 2.2 and CEC
Bandwidth	18Gbps
Audio	
Supported output formats	*Analog output:* PCM *HDMI Embedded:* LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS: X™, and DTS-HD® Master Audio™ pass-through *DisplayPort Audio Format:* 8 channels LPCM, up to 24bit 192Khz, AC3, DTS *Toslink Output:* PCM, Dolby Digital, DTS, DTS-HD
Audio Output	Balanced Stereo Analog
Audio Output Connector	*Analog output:* 5 pin Phoenix *Digital output:* Optical / Toslink
Audio Output Impedance	70 Ohms
Frequency Response	20Hz-20KHz
Control	
Control Port / Connector	(1) 3 Pin Phoenix for RS232, (1) RJ45 for TCP/IP control, (1) IR input port for IR receiver
Chassis and Environmental	
Dimensions (WxHxD)	342 mm x 26 mm x 115 mm (13.5 in x 1 in x 4.5 in)
Shipping Weight	620g (1.4 lbs.)
Operating Temperature	0° to +55° C (+32° to +131° F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-20° to +70° C (+14° to +158° F)
Storage Humidity	10% to 90%, Non-condensing
Power, ESD, and Regulatory	
Power Supply Input	100V-240VAC / 50-60 Hz
Power Supply Output	12VDC / 2A
Power Consumption	10 watts (max)
ESD Protection	15kV
Product Regulatory	FCC, CE, RoHS
Power Supply Regulatory	CE, RoHS
Other	
Standard Warranty	5 years
Included Accessories	Quick Install Guide, Power Supply with US power plug, (1) IR Receiver, (1) IR Remote, (1) 3-pin to DB9 RS232 Cable, (1) 5 pin Phoenix connector, (1) 3 pin Phoenix connector, (2) Mounting clips with screws and (4) plastic cushions

Thank you for your purchase.

For Technical Support please call our toll free number at
800-530-8998 or email us at supportlibav@libav.com

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