

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.



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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	<u>'</u>		
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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