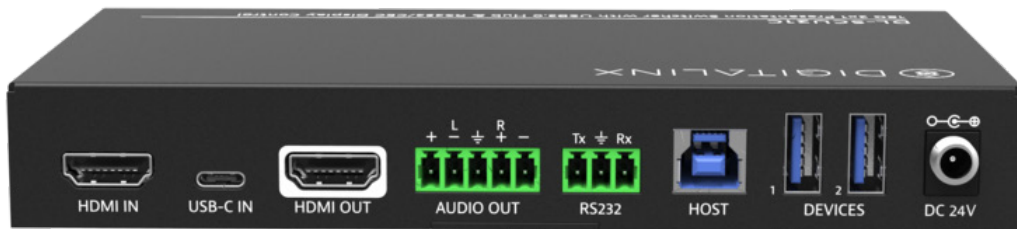




DIGITALINX

VALUE-ENGINEERED DIGITAL SOLUTIONS

DL-SCU21C 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

Product Overview

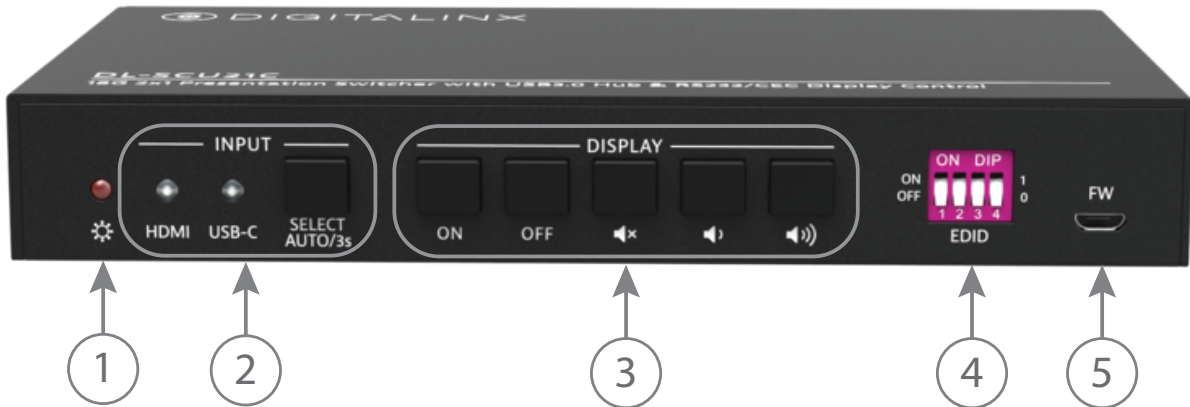
The DL-SCU21C is a 2x1 HDMI 2.0b auto switcher featuring one HDMI input, one USB-C input and one HDMI output. The USB-C input supports video, data (USB host) and power charging up to 40w. There is a built in 2 port USB 3.0 hub that is backwards compatible with USB 2.0 and USB 1.1 formats. This switcher supports video resolutions up to 4Kx2K@60Hz 4:4:4, 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 will de-embed 2 channel analog audio for audio reinforcement which is de-embedded the HDMI output. The devices switching functions can be controlled via RS232 and front panel control buttons can be configured to control 3rd party devices such as TV display via CEC or RS232. For a list of available RS232 control commands, 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. When switching between HDMI and USB-C video inputs, the USB B *Host* port will follow HDMI and USB-C will act as a USB host disengaging USB B Host control.

Package Contents

- DL-SCU21C 2x1 Auto Presentation Switcher
- Quick Install Guide
- (1) 5 pin Phoenix Connector
- (1) DB9- 3 pin Phoenix RS232 breakout cable
- (1) DC24V 2.71A power supply with US power plug
- (2) Mounting Clips with 4 screws
- (4) Plastic Cushions

Front Panel View



1. **POWER LED** - Illuminates solid RED when power is properly applied

2. **INPUT LEDs:**

- *HDMI* - Illuminates solid GREEN when input is selected in auto switch mode, illuminates orange when input is selected in manual switch mode
- *USB-C* - Illuminates solid GREEN when input is selected in auto switch mode, illuminates orange when input is selected in manual switch mode
- *SELECT AUTO / 3s* - Switches between auto and manual switch mode. Hold down for 3 seconds to enable /disable audio switch mode.

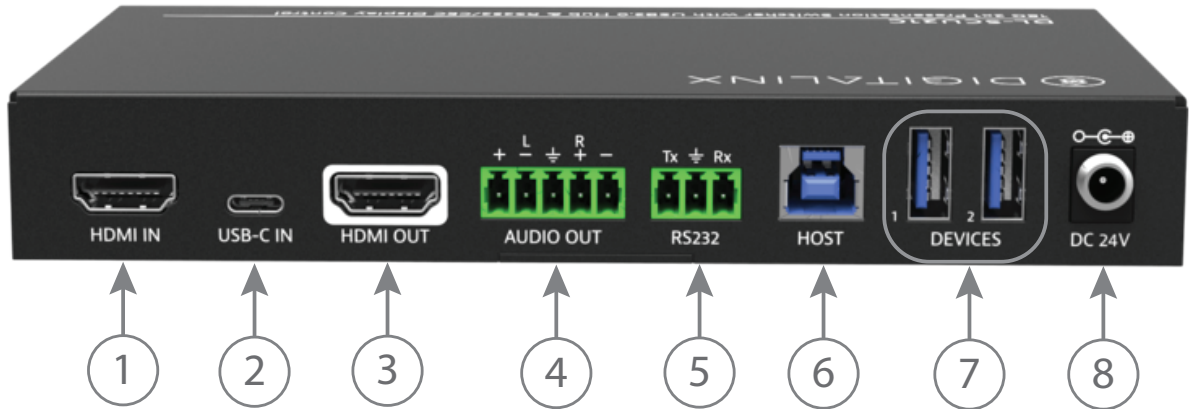
3. **DISPLAY:**

- *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. **EDID** - Dip switch setting for EDID management

5. **FW** - USB port for firmware upgrade procedure

Back Panel View



1. **HDMI IN** - HDMI input port for connecting HDMI source
2. **USB-C IN** - USB-C input port for connecting source; USB-C port supports video, data (USB Host) and power charging.
3. **HDMI OUT** - HDMI output for connecting to TV display
4. **AUDIO OUT** - 5 pin phoenix; balanced left and right analog audio output
5. **RS232** - 3 pin phoenix; output port for connection display or 3rd party control
6. **HOST** - USB B port for USB host device i.e. computer
7. **DEVICES 1/2** - (2) USB A ports for USB client devices i.e. web camera, web microphone
8. **DC 24V** - Locking power supply port

Connectivity Instructions

1. Verify all components included with the DL-SCU21C set are present before installation.
2. If the DL-SCU21C 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-SCU21C. 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 USB-C input using a USB-C video cable that is less than or equal to 2 meters in total length.
7. Connect RS232 control between the display to control connected display or connect to a 3rd party control system to control switcher functions (optional)

NOTE: A list of RS232 commands for this unit is available in the owners manual online at www.libav.com under the *DOCUMENTATION* tab of the DL-SCU21C product page

8. Set EDID mode on front panel of unit to desired EDID setting
9. Connect the included power supply to the DL-SCU21C and lock the power supply to the power connector by twisting the locking collar clockwise.
10. Power on attached audio/video devices.

Technical Specifications

Video	
Video Inputs	One (1) HDMI, (1) USB-C
Video Input Connector	(1) HDMI type A, (1) USB-C
Input Video Signal	HDMI for HDMI input, ALT-DP Mode for USB-C
Video Output	(1) HDMI
Video Output Connector	(1) HDMI type A
Input Resolution Support	Up to 3840 x 2160 @60Hz / 4:4:4 / 8 bit deep color for HDMI Up to 3840 x 2160 @30Hz / 4:4:4 / 8 bit deep color for USB-C
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
USB	
Supported USB Standard	Up to USB 3.0 @ 5Gbps
USB Port Types	(1) USB B (Host) (1) USB C (Host) (2) USB A (Client)
Audio	
Supported output formats	<i>Analog output:</i> PCM <i>HDMI Embedded:</i> LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS: X™, and DTS-HD® Master Audio™ pass-through
Audio Output	Balanced Stereo Analog
Audio Output Connector	5 pin Phoenix
Audio Output Impedance	70 Ohms
Frequency Response	20Hz-20KHz
Control	
Control Port / Connector	(1) 3 Pin Phoenix
Chassis and Environmental	
Dimensions (WxHxD)	168 mm x 24.5 mm x 95 mm (6.6 in x 1 in x 3.7 in)
Shipping Weight	245g (.54 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	24VDC / 2.71A
Power Consumption	54 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) 3-pin to DB9 RS232 Cable, (1) 5 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

www.libav.com

Digitalinx is a brand of:



LIBERTY
AV SOLUTIONS

11675 Ridgeline Drive
Colorado Springs, Colorado
80921 USA
Phone: 719-260-0061
Fax: 719-260-0075
Toll-Free: 800-530-8998