DIGITALINX
VALUE-ENGINEERED DIGITAL SOLUTIONS

DL-UHDILC Quick Install Guide

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

Scan QR Code with your Smart-phone or Tablet

Important notice:

- Do not attempt to disassemble or alter the housing. There are no user-serviceable parts inside the unit. Doing so will void your warranty.
- To minimize the possibility of equipment damage from electrostatic discharge (ESD), all source and destination equipment must be powered off during installation.
- Do not connect the device to a telecommunication outlet wired to unrelated equipment. Doing so may damage the unit or any connected equipment. Ensure all connected twisted pair cabling is straight-through (point-to-point).
- Allow proper ventilation to reduce the risk of thermal failure.

Product Overview

The DigitaLinx DL-UHDILC is an HDMI in-line controller that can automate room peripherals and sink devices when a video signal is introduced to the unit. The DL-UHDILC is 4K compatible, supports HDCP version 2.2, has an analog and digital de-embedded audio output and has 15 built in EDID presets that can be adjusted by the rotary dial on the front panel.

When the DL-UHDILC auto-detects an input video signal, the DL-UHDILC will automatically turn a display or projector on either by CEC or by pre-loaded RS232 serial commands. The DL-UHDILC will trigger the first relay port to switch a projector screen or window shade down. When a video signal is no longer present after a specified amount of time, the DL-UHDILC will turn off the display or projector by either CEC or pre-loaded RS232 commands and will trigger the second relay port to switch a projector screen or window shade up.

Package Contents

- (1) DL-UHDILC
- (1) DC12 0.5A Power Adapter with 4 Power Adapter for US, UK, EU and AU
- (3) Phoenix 3.5mm 3 pin Male Connectors
- (1) RS232 to 3 pin Phoenix Breakout Cable

Front / Rear Panel

1. DC12V- Locking DC 12V power connector with POWER on/off indicator
2. HDMI IN- Video input; connects to video source
3. EDID- Rotary dial for 15 resolution presets
   - The EDID preset chart is located on the bottom of the DL-UHDILC
4. S/PDIF OUT- Digital audio de-embedded output; connects to an AVR or audio amplifier
5. AUDIO OUT- Analog audio de-embedded output; connects to an AVR or audio amplifier
6. RELAY1 / RELAY2- Relay triggers; connects to projector screen or window shade relay controls
7. HDMI OUT- Video output; connects to display or projector
8. RS232 - Control port; connects to and controls display device with pre-loaded RS232 serial commands
   - ***NOTE***: The RS232 port can be configured by connecting a computer with a serial to USB adapter to the DL-UHDILC RS232 port and using the Display Control software to configure the port. The serial upload software is located on the DL-UHDILC product page Online at www.libav.com

Connectivity Instructions

1. Verify all components included are present before installation.
2. Connect an HDMI source device to the HDMI IN port using an HDMI cable
3. Connect a display device to the HDMI OUT port using an HDMI cable
4. Adjust EDID preset for desired resolution setting
5. Connect either S/PDIF OUT or AUDIO OUT to an audio amplifier or AVR for audio reinforcement with an RCA or 3.5mm audio .cable
6. Connect RELAY1 / RELAY2 to the relay pins of a relay switch on a projector screen or window shade with a shielded 2 conductor cable such as the Liberty 22-1P-EZ cable
   - RELAY1 will automatically switch from normally open (NO) to normally closed (NC) when a video signal is introduced to the system. RELAY2 will automatically switch from normally open (NO) to normally closed (NC) when a video signal is absent from system after a specified time that has been determined by the serial upload software
7. Connect the 3 pin phoenix connector of the RS232 breakout cable to the RS232 port on the DL-UHDILC, then connect the DB-9 side of the breakout cable to a DB9 cable to connect that will connect to the sink device
   - ***NOTE***: The RS232 port on the DigitaLinx DL-UHDILC can be configured by connecting a computer to the RS232 port of the DL-UHDILC and by using the Display Control software which is located on the DL-UHDILC product page Online at www.libav.com.
8. Apply power to DL-UHDILC

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Technical Specifications

VIDEO	
Video Inputs	(1) HDMI
Video Input Connector	(1) HDMI type A
Video Output	(1) HDMI
Video Output Connector	(1) HDMI type A
Maximum Pixel Clock	600Mhz
Output Resolution Support	4096 x 2160; 3840 x 2160; 1920x1200; 1920x1080; 1680x1050; 1600x1200; 1600x900; 1440x900; 1400x1050; 1366x768; 1360x768; 1280x1024; 1280x960; 1280x800; 1280x768; 1024x768; 800x600
Standards	Compliant with HDMI 2.0 & HDCP2.2
Audio	
Audio Output	(1) S/PDIF (1) Analog
Audio Output Connector	(1) RCA (1) Stereo 3.5mm
Frequency Response	20Hz~20K Hz
CONTROL	
Control Port	(2) RELAY (1) RS232
Control Connector	(2) 3 pin phoenix connector (RELAY) (1) 3 pin phoenix connector (RS232)
Other	
Temperature	0 ~ +45 C (32 F- 113 F)
Humidity	10% ~ 90%
Power Supply	DC12V 0.5A
Power Consumption	<3W
Dimension (W*H*D)	4.72” x .79” x 3.15”
Weight	.5 lbs
Warranty	5 years
Included Accessories	(1) 12V Power Supply with 4 power adapter plugs for US, UK, EU and AU; (1) RS232 to 3 pin phoenix breakout cable; (3) 3 pin phoenix male connectors; (1) Quick Install Guide

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REV 81228

Thank you for your purchase.

If you have any product issues please contact technical support by phone at 800-530-8998 or by email at supportlibav@libav.com.

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