



DIGITALINX

VALUE-ENGINEERED DIGITAL SOLUTIONS

DL-SCU-RX Quick Install Guide



Product Overview

The DigitaLinx DL-SCU-RX is an HDBaseT 2.0 receiver designed to work with the DL-SC41U-TX and the DL-SC41UP-BXTX switchers (sold separately). The DL-SCU-RX will reliably extend audio, video, USB 2.0 High Speed signals up to 190Mbps and RS232 up to 70m / 232'. The receiver is 4K compatible with a max resolution of 4K@60Hz / 4:2:0 8bit deep color. With an integrated PSE module built in, the DL-SCU-RX can power the compatible HDBT 2.0 transmitters devices via HDBaseT transmission. The DL-SCU-RX features an HDMI input for a local A/V source, a balanced stereo audio analog output (de-embeds two channel audio from HDMI), a 2 port USB 2.0 client hub, an RS232 port for display or control system support and two relay switches.

The DL-SCU-RX once paired with the DL-SC41U-TX or DL-SC41UP-BXTX switcher is ideal for software based video teleconference rooms that require the consolidation and sync of A/V and USB signals from a laptop or room PC.

NOTE: The DL-SCU-RX HDBaseT receiver can be used with the DL-SC41U-TX and the DL-SC41UP-BXTX HDBaseT 2.0 transmitter (sold separately) to complete the circuit.

Package Contents

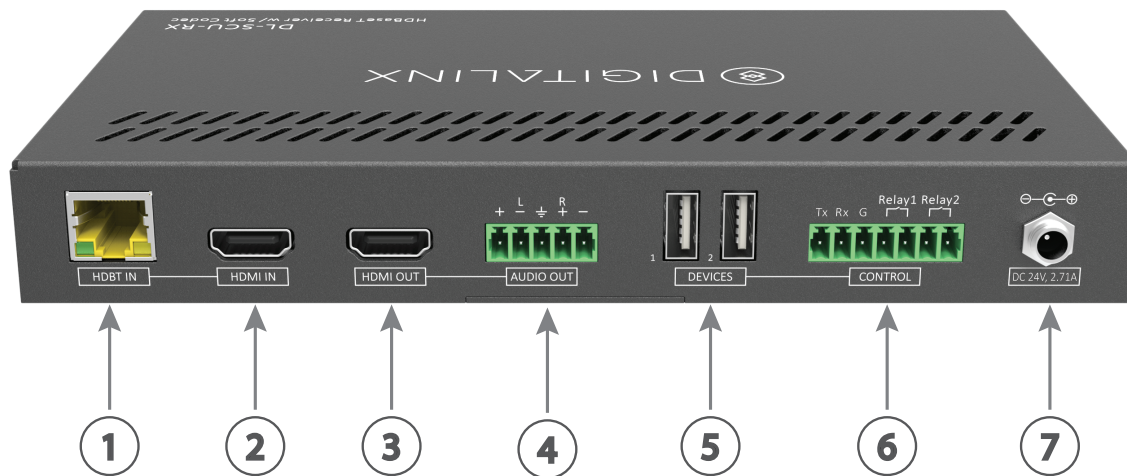
- DL-SCU-RX HDBaseT Receiver
- (1) Quick Install Guide
- (1) RS232 Breakout Cable, 3pin phoenix to DB9
- (1) 4 pin Phoenix Male Connector
- (1) 5 pin Phoenix Male Connector
- (1) DC24V Power Supply with US, UK, EU and AU adapter plugs
- (2) Mounting Brackets
- (4) Plastic Cushions

Front Panel View



1. **POWER LED** - Illuminates red when power is applied
2. **HDBT LED** - Illuminates blue when HDBaseT input is selected
3. **HDMI LED** - Illuminates blue when HDMI input is selected
4. **FIRMWARE** - Micro USB port for firmware updates

Back Panel View



1. **HDBT IN** - HDBaseT input
2. **HDMI IN** - Local HDMI input
3. **HDMI OUT** - HDMI output
4. **AUDIO OUTPUT** - Stereo balanced analog output
5. **DEVICE 1 / 2** - 2 port USB client hub
6. **CONTROL**
 - RS232; The 3 pins to the left is the serial / RS232 connection
 - RELAY 1/2; The 4 pins to the right is relay 1 and relay 2 switch control
7. **DC24V** - Power supply input

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 Category 6 or greater solid core twisted pair cable with RJ45 connectors between a compatible transmitter (DL-SC41U-TX and the DL-SC41UP-BXTX sold separately) and the DL-SCU-RX receivers HDBaseT ports. TIA/EIA-568B straight-through wiring connections must be used with all HDBaseT extenders.
4. Connect an HDMI cable between the display device and the DL-SCU-RX receiver.
5. (Optional) Connect USB cables between the USB hub to USB devices
6. (Optional) Connect audio cables between the audio output to a local power amplifier
7. (Optional) Connect relays with 2 conductor cables between the relay ports and a 3rd party device control such as shades, projector screen
8. (Optional) Connect an RS232 cable between the DL-SCU-RX and the RS232 port of a display device
9. Connect the power supply adapter to the DL-SCU-RX receiver locking input port and plug into an AC outlet.
10. Power on attached audio/video and USB devices.

Cabling Wiring Requirements

HDBaseT Cabling

To ensure proper performance of the DL-SCU-RX, it is recommended that you use solid core, shielded Category 6 F/UTP cabling at a minimum. Category 5e F/UTP may perform well but may not support power over HDBaseT reliably over longer distances.



When using shielded category cabling *ALWAYS*...

-use shielded connectors
-properly ground the category cable

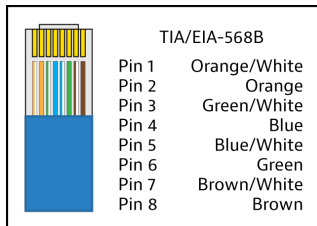
For optimized HDBaseT performance use the following Liberty Wire and Cable branded cabling;

Category 6 plenum; **24-4P-P-L6SH**

Category 6A plenum; **24-4P-P-L6ASH**

Category 6 NON-plenum; **24-4P-L6SH**

Category 6A NON-plenum; **24-4P-L6ASH**



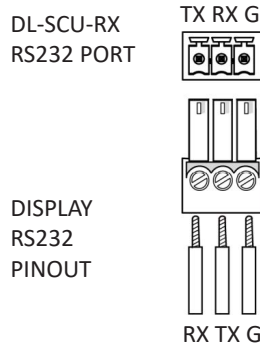
Twisted Pair Wiring

Use TIA/EIA-568B wiring for Category 6 connection between send and receive units.

RS232 Wiring

Connect the display device RX signal to TX on the DL-SCU-RX extender. Connect the display device TX signal to RX on the DL-SCU-RX extender.

Connecting to
TV Display



Technical Specifications

Video	
Video Inputs	(1) HDMI, (1) HDBaseT
Video Input Connector	(1) HDMI type A, (1) RJ45
Video Output	(1) HDMI
Video Output Connector	(1) HDMI type A
Input Resolution Support	HDBT: Up to 4K@60Hz 4:2:0 8bit deep color HDMI: Up to 4K@60Hz 4:4:4 8bit deep color
Output Resolution Support	HDMI: Up to 4K@60Hz 4:4:4 8bit deep color HDBaseT: Up to 4K@60Hz 4:2:0 8bit deep color
Standards	Compliant with HDMI 2.0 & HDCP2.2
USB	
Supported USB Standard	Up to USB 2.0 High Speed up to 190Mbps
USB Port Type	(2) USB A
Audio	
Supported audio formats	HDMI: PCM 2.0, LPCM 5.1, LPCM 7.1, Dolby TrueHD, DTS-HD Master Audio Balanced Stereo Output: 2 Channel Stereo
Frequency Response	20 Hz to 20 kHz, ± 1 dB
Max Output Level	2.2 \pm 0.1Vrms
Control	
Control / Port Type	(1) RS232 / 3pin phoenix, (2) RELAY / 4 pin phoenix
General	
System Bandwidth	HDMI Input: 18Gbps HDBaseT Input: 10.2Gbps HDMI Output: 18Gbps
Transmission Distance	1080P @ 70m or less when using Cat6 F/UTP, 4K @ 40m or less when using Cat6 F/UTP
Operating Temperature	0 ~ +45 C (32 F to +113 F)
Storage Temperature	-20 - +70 C (-4 - +158 F)
Humidity	10% ~ 90%
Power Supply	DC24V , 2.71A
Power Consumption	32 watts (maximum -powering receiver and transmitter)
Dimension (W*H*D)	205mm x 27.5mm x 115mm (8.1 x 1.1in x 4.5in)
Weight	390g, .8lbs
Warranty	5 years
Certification	CE, FCC, RoHS
Included Accessories	Quick Install Guide, Power Supply with US, UK, AU and EU power plugs, (1), 3 pin to DB9 RS232 breakout cable, (1) 4 pin phoenix connector, (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

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