TECHNICAL SPECIFICATION

VIDEO	
Format	HDMI 1.3 and HDCP compliant
Input Interface (TX)	(1) HDMI 19-pin (female)
Output Interface (RX)	(1) HDMI 19-pin (female)
HDTV Resolutions	480p, 720p, 1080i, 1080p/60Hz/48bit, 4K/30Hz
Audio Format	HDMI Digital Audio
Input Cable Length	Up to 20 ft
Output Cable Length	Up to 20 ft

IR	
Signal Type	38 KHz
Interface	3.5 mm Jack Socket (Female)

RS-232	
Interface	3-pin terminal block

SYSTEM	
Input Interface (TX)	(1) RJ-45
Output Interface (RX)	(1) RJ-45

OTHER	
Power	External 100-240 VAC/12V3A @30W
Dimensions	5"W x 1.125"H x 4.125"D
Weight	0.6 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temp.	32-104°F (0-40 °C)
Storage Temp.	-4-140°F (-20-60 °C)
Humidity	Up to 85% (non-condensing)

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
HDX-ULT-TX	1	HDMI, IR, POE CAT5e/6 Transmitter
HDX-ULT-RX	1	HDMI, IR, POE CAT5e/6 Receiver
Power Supply	2	PS12V3A
Quick Start Guide	1	

NOTICE

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DESIGNED AND MADE IN THE USA

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

HDX-ULT

4K-ready PoE Cat5e/6 HD Extender

POE CAT5E/6 EXTENDER FOR HDMI, RS-232, AND IR CONTROL WATCH AND COMMAND 1080P/4K HDTV FROM 450 FT AWAY
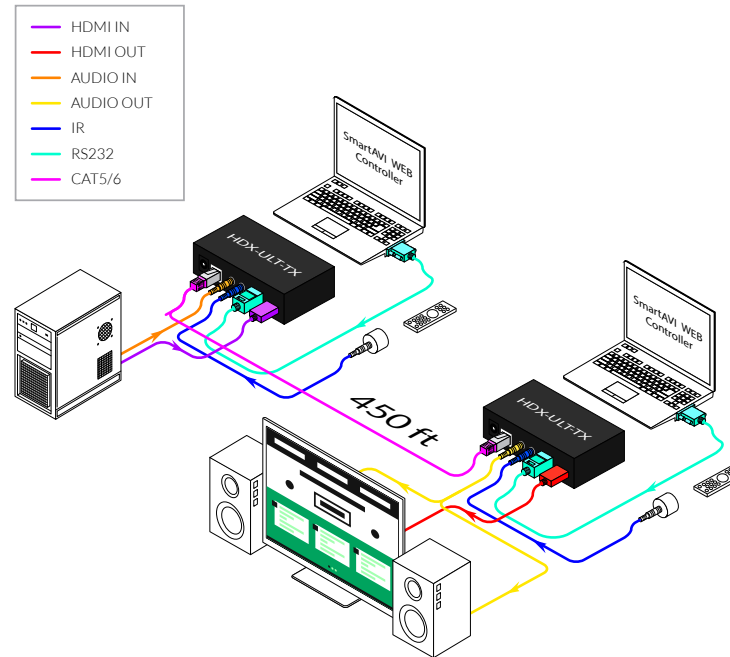
Quick Start Guide

OVEVIEW

The HDX-Ultimate uses only one CAT5e cable to extend 4K HDMI signals hundreds of feet from their source. The The HDX-Ultimate is a crucial extender for any system, and works in tandem with SmartAVI matrixes for robust routing configurations. Control and extend setups up to 300 ft per side, and 450 ft when both are powered. Plus, with RS-232 and IR remote control, taking command is convenient and easy every time! Whether it's for a home entertainment system or a commercial installation, the HDX-Ultimate delivers flexibility and control. Don't let the distance bring your system down: let the HDX-Ultimate extend your reach today!

FEATURES

- Supports POE: Can be powered by TX or RX
- CAT6 extends signals over 450ft
- Powered over Ethernet (PoE)
- (1) HDMI output for HDTV support
- Supports 1080p/60fps and 4K/30Hz resolution
- Up to 10.2 Gbps ultra-high bandwidth
- HDCP compliant; EDID learning
- Bi-directional IR and RS-232 control
- LED status indicators
- Rack optional

HARDWARE INSTALLATION

1. Turn off the computer, display, and speakers.
2. Connect the HDMI cable to your computer and to the HDX-Ultimate-TX.
3. Connect the display to the HDMI connector on the HDX-Ultimate-RX.
4. Connect the HDX-Ultimate TX and RX units via Cat5e/6 cable.
   ** Connect optional RS-232 devices to HDX-Ultimate-TX and HDX-Ultimate-RX. **
5. Connect the power cord and power on either the HDX-Ultimate-TX or the HDX-Ultimate-RX.
6. The connection and power indicator lights should illuminate.
7. Power on the computer, display, speakers and optional RS-232 devices.

HDX-ULT-TX FRONT

HDX-ULT-TX BACK

HDX-ULT-RX FRONT

HDX-ULT-RX BACK