KanexPro®

Premium Extender Kit for K-12 Educational Applications

Connect and Control a Projector, Smart Board, Microphone, Speakers, and Laptops in a K-12 Classroom

MPN: WP-EDUKIT4K

The **KanexPro WP-EDUKIT4K** is a Premium Extender Kit that lets you connect and control a projector, smart board, microphone, speakers, laptops, and more in K-12 classroom settings. It also can be used in presentation rooms and boardrooms. This kit includes: a wall-plate Transmitter, a Receiver, and a wallplate Control Panel.

The Transmitter provides two HDMI and a single VGA signal input which support HDCP 2.2 and can be switched freely. It transmits the HDMI or VGA signals up to 40 meters at 4K@60Hz or 70 meters at 1080p@60Hz over standard Cat5e/6a cable to the Receiver. The Control Panel has four buttons that let you easily select common functions to control distant devices, such as projectors.

The HDBaseT Kit provides front panel control and GUI control. The kit supports PoC which allows power to be transmitted from the HDBaseT Receiver to the HDBaseT Transmitter and the Control Panel.

FEATURES

- Switch freely between HDMI and VGA input signals
- Supports HDMI output resolutions up to 4K@60Hz
- Supports HDCP 2.2
- Provides MIC input
- Provides 2x30Watt@4Ohm amplifier output
- Control Panel control of projector screen position through system relay
- Supports Universal Plug and Play (UPnP)

SPECIFICATIONS

- **Wallplate Transmitter**

Video Input: (2) HDMI, (1) VGA

Audio Input: (1) 3.5mm

Video Input Connector: (2) 19-pin type-A female HDMI, (1) DB15 female VGA

Video Output: (1) PoC IN/Extender OUT, (1) POWER/RS232

Video Output Connector: (2) RJ45

Control: (1) USB-B (TO PC)

Program Port: (1) Micro USB (FIRMWARE)

Other: (1) Button (SOURCE SELECT)

Dimensions (WxHxD): 4.13" x 3.5" x 1.73" (115.9mm x 114.3mm x 38.7mm)

Net Weight: 0.67 lbs. (305g)

- **Premium Receiver**

Video Input: (1) Premium Extender IN/PoC

Video Input Connector: (1) RJ45

Video Output: (1) HDMI

Video Output Connector: (1) 19-pin type-A female HDMI

Audio Input: (1) MIC

Audio Input Connector: (1) 3-pin pluggable terminal block

Audio Output: (1) Amplifier (2x30Watt@4ff), (1) Analog audio (LINE OUT)

Audio Output Connector: (1) 4-pin pluggable terminal block, (1) 3-pin pluggable terminal block

Audio Format: HDMI embedded audio: PCM/Dolby/DTS, MIC input audio: PCM, Analog output audio: PCM

Control: (1) USB-A, (1) RELAY (3-pin pluggable terminal block), (1) RS232 (3-pin pluggable terminal block), (1) TCP/IP (RJ45), (1) REMOTE MUTE (2-pin pluggable terminal block

Program Port: (1) Micro USB (FIRMWARE)

Power Supply: 24V DC 2.71A

Power Consumption: 75W (Max)

Dimensions (WxHxD): 9.84" x 4.94" x 1.19" (250mm x 104mm x 30mm)

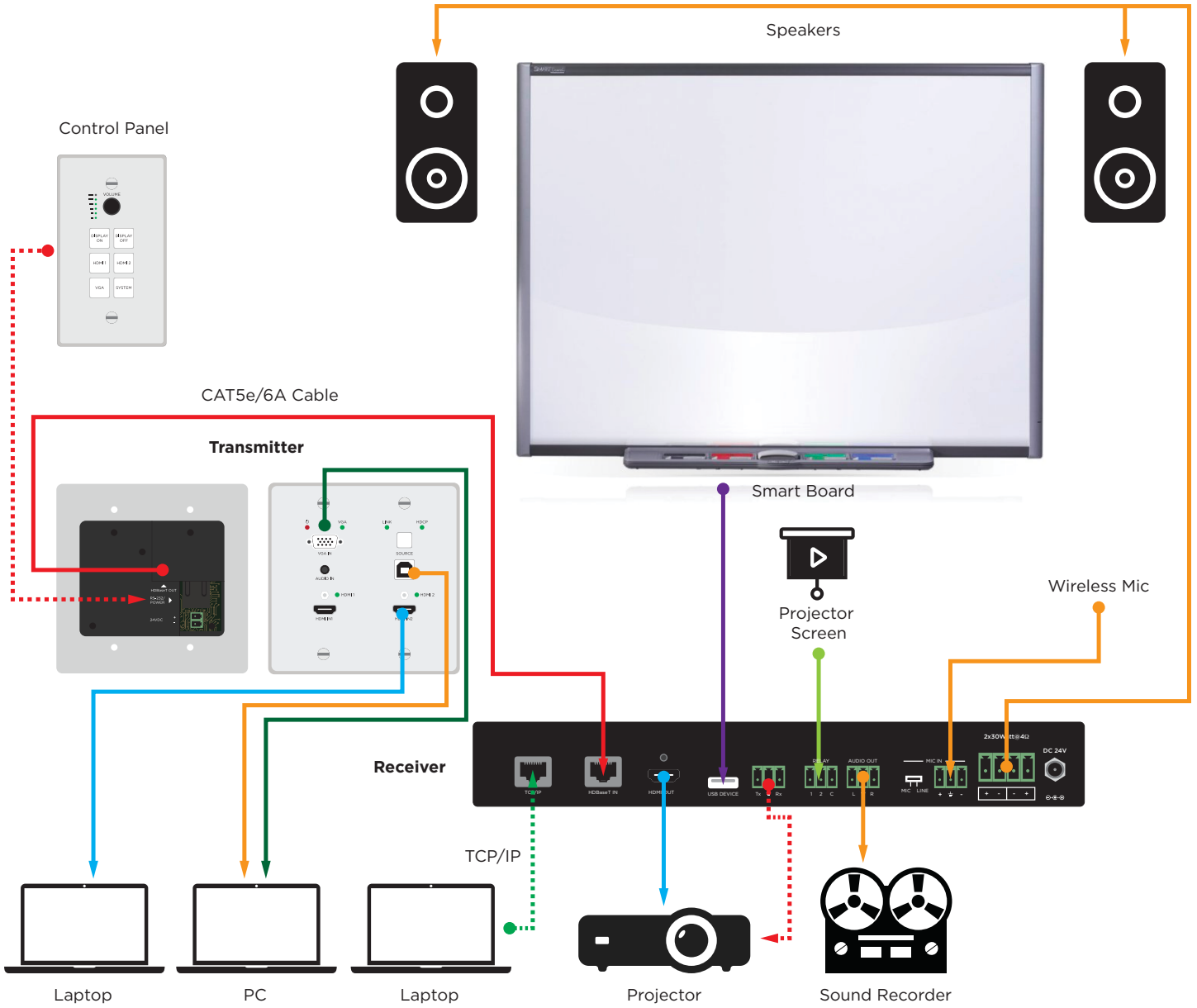**Net Weight:** 1.67 lbs. (758g)

- **Wallplate Control Panel**

Output Port: (1) POWER/RS232

Configuration Port: (1) USB-A (CONFIG)

Other: (1) VOLUME knob, (6) Buttons (Display ON, Display OFF, HDMI 1, HDMI 2, VGA, SYSTEM) (1) HDMI embedded audio signal indicator, (6) LED volume indicators

Program Port: (1) Micro USB (FIRMWARE)

Dimensions (WxHxD): 4.49" x 2.76" x 1.34" (114.3mm x 69.9mm x 22.2mm)

Net Weight: 0.40 lbs. (180g)

- **General**

Video Resolution: Up to 4K@30Hz

Deep Color: 24-Bit at 1920x1080 (24/25/30/50/60Hz) 4:4:4, 48-Bit at 1920x1080 (50/60Hz) 4:4:4

Transmission Mode: RJ45 Extender system

Transmission Distance: Up to 40 meters@4K/60, up to 70 meters@1080p/60 via Cat5e/6a cable

Bandwidth: 10.2Gbps

HDMI Version: 1.4

HDCP Version: 2.2

Operating Temperature: -10°C to +55°C (14°F to +131°C

Storage Temperature: -25°C to +70°C (-13°F to +158°C)

Relative Humidity: 10% - 90%

APPLICATION DIAGRAM

Speakers

Control Panel

CAT5e/6A Cable

Transmitter

Smart Board

Projector
Screen

Wireless Mic

Receiver

2x30Watt@4Ω   DC 24V

TCP/IP   HDBaseT IN   HDMI OUT   USB DEVICE   Tx Rx   RELAY   AUDIO OUT   MIC IN

TCP/IP

Laptop   PC   Laptop   Projector   Sound Recorder

———	VGA
———	HDMI
———	Audio
———	HDBT
———	USB Control
·········	TCP/IP Control
·········	RS232 Control
———	Remote Control