



KRAMER

KIT-400

4K Auto-Switcher/Scaler Kit over
Long-Reach HDBaseT

| HDMI | Ethernet - RJ-45 | HDBaseT
| 4K/60 UHD (4:2:0)



KIT-400 is a high-performance auto-switcher/scaler kit for 4K HDMI™ and VGA over long-reach HDBaseT. The kit includes the KIT-400T transmitter/switcher and the KIT-400R receiver/scaler. The KIT-400T transmitter converts the user-selected input signal into the transmitted HDBaseT signal. The KIT-400R receiver receives the HDBaseT signal, converts it to HDMI and up- or down-scales the picture to match the resolution of the HDMI monitor. KIT-400 extends video signals to up to 40m (130ft) over CAT copper cables at up to 4K@60Hz (4:2:0) 24bpp video resolution and provides even further reach for lower HD video resolutions

FEATURES

Simple and Powerful Maestro Room Automation - Intuitive user interface enables you to fully automate your meeting room elements. Configure lights, shades, devices and more to be activated by an extensive range of triggers, including scheduling, input/output connectivity, routing, and button pressing. By minimizing user intervention, Maestro room automation saves meeting prep time and minimizes human error before presentations

HDMI Signal Extension - HDCP 1.4 / 2.2. 4K60, CEC, xvYCC color (on input)

PoC (Power over Cable) Enabled - Choose to power only one of the units and power the other unit of the receiver/transmitter pair over the HDBaseT extension

Local Switching Control of 3 Local and 1 Remote Source - Select from 4 sources, each with a dedicated selector button on the transmitter front panel, to output to an HDMI display: 2 HDMI inputs and 1 VGA input, with dedicated audio jack, on the transmitter side and an additional HDMI input on the receiver side

Audio De-embedding - Output the HDMI audio to a balanced stereo output on the receiver side, and an unbalanced stereo output on the transmitter side

Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control

I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling, processing and pass-through algorithm that ensures Plug and Play operation

Easy Remote Device Control - Control devices connected to KIT-400 from the user-friendly Kramer Aware interface on the KIT-400 embedded webpages. You can also access the interface using the Kramer Aware app on a compatible Kramer touch panel

Convenient Unit Control and Configuration Options - Local control via front panel source and output switching buttons, DIP-switches for configuring connection priority, and OSD menu. Distance control via user-friendly embedded web pages via Ethernet, Protocol 3000 API, RS-232 serial commands transmitted by a PC, touch screen system or other serial controller and relay switches

Easy, Cost-effective Maintenance - Local firmware upgrade via USB connector

Easy and Elegant Installation - Single cable connectivity for both HDBaseT signals and power. Compact MegaTOOLS™ fan-less enclosure for dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter



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TECHNICAL SPECIFICATIONS

TRANSMITTER Inputs/Outputs

INPUTS

- 2 HDMI: On female HDMI connectors
- 1 VGA: On a 15-pin HD connector
- 1 Unbalanced Audio: On a 3.5mm mini jack

OUTPUTS

- 1 HDBaseT: On an RJ-45 connector
- 1 Unbalanced Audio: On a 3.5mm mini jack

PORTS

- 1 Ethernet: On an RJ-45 connector
- 1 Control RS-232: On a 3-pin terminal block connector
- 1 Data RS-232: On a 3-pin terminal block connector
- 1 Remote Contact-Closure: On a 4 pin terminal block connector
- 1 Service USB: On a mini-USB connector for firmware upgrade

RECEIVER Inputs/Outputs

INPUTS

- 1 HDBaseT: On an RJ-45 connector
- 1 HDMI: On female HDMI connectors

OUTPUTS

- 1 HDMI: On female HDMI connectors
- 1 Balanced Audio: On a 5-pin terminal block connector

PORTS

- 1 Control RS-232: On a 3-pin terminal block connector
- 1 Data RS-232: On a 3-pin terminal block connector
- 1 Remote Contact-Closure: On a 4 pin terminal block connector
- 1 Relay: On a 3-pin terminal block connector
- 1 Program USB: On a USB-A connector for firmware upgrade

Video

Max Data Rate (on the HDMI ports) KIT-400R: 18Gbps, KIT-400T: 10.2Gbps

Max Resolution (on HDMI ports) KIT-400R: 4K@60Hz (4:4:4), KIT-400T: 4K@60Hz (4:2:0)

HDMI Support: 4K60, CEC, xvYCC color

Content Protection: HDCP 1.4 and 2.2 (KIT-400R)

KIT-400R Output Resolutions 640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x768@60Hz, 1280x800@60Hz, 1280x1024@60Hz, 1360x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1200@60Hz RB, 2560x1600@60Hz RB, 1920x1080@60Hz, 1280x720@60Hz, 2048x1080@50/60Hz, 2560x1440@60Hz RB, 720x480p@60Hz, 720x576p@50Hz, 1280x720p@50/60Hz, 1920x1080p@24/25/30/50/60Hz, 2560x1080p@50/60Hz, 2K@24/25/30/50/60Hz, 4K@24/25/30/50/60Hz

Extension Line

Up to 40m (130ft): At 4K@60Hz (4:2:0)

Up to 70m (230ft) At full HD (1080p@60Hz)

Extended RS-232

Baud Rate 300 to 115200

Power

Source: 12V DC

Combined Consumption of Both Units 2A (1 unit connected to 12V DC + 1 unit powered by PoC)

User Interface

Control Input selection buttons, DIP-switches, remote contact-closure switches, relay switches. Kramer API via RS-232 serial commands transmitted by a PC, touch screen system or other serial controller, embedded web pages via LAN for configuration and control

Indicators Power, link, input selection LEDs

Environmental Conditions

Operating Temperature: 0° to +40°C (32° to 104°F)

Storage Temperature: -40° to +70°C (-40° to 158°F)

Humidity: 10% to 90%, RHL non-condensing

Enclosure

Size: MegaTOOLS®

Type: Aluminum

Cooling: Convection ventilation

STANDARDS
COMPLIANCE

Safety CE

Environmental FCC, UL

Accessories

Included: 1 Power adapter, 8 rubber feet, 2 bracket sets

