



## KIT-400

4K AutoSwitcher/Scaler Kit over LongReach  
HDBaseT

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



KIT400 is a highperformance autoswitcher/scaler kit for 4K HDMI™ and VGA over longreach HDBaseT. The kit includes the KIT400T transmitter/switcher and the KIT400R receiver/scaler. The KIT400T transmitter converts the userselected input signal into the transmitted HDBaseT signal. The KIT400R receiver receives the HDBaseT signal, converts it to HDMI and up or downscales the picture to match the resolution of the HDMI monitor. KIT400 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

**Convenient Unit Control and Configuration Options** - Local control via front panel source and output switching buttons, DIPswitches for configuring connection priority, and OSD menu. Distance control via userfriendly 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



# KRAMER

## TECHNICAL SPECIFICATIONS

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<b>TRANSMITTER</b> Inputs/Outputs	<b>INPUTS</b> 2 HDMI: On female HDMI connectors 1 VGA: On a 15-pin HD connector 1 Unbalanced Audio: On a 3.5mm mini jack <b>OUTPUTS</b> 1 HDBaseT: On an RJ45 connector 1 Unbalanced Audio: On a 3.5mm mini jack <b>PORTS</b> 1 Ethernet: On an RJ45 connector 1 Control RS232: On a 3-pin terminal block connector 1 Data RS232: On a 3-pin terminal block connector 1 Remote ContactClosure: On a 4 pin terminal block connector 1 Service USB: On a miniUSB connector for firmware upgrade
<b>RECEIVER</b> Inputs/Outputs	<b>INPUTS</b> 1 HDBaseT: On an RJ45 connector 1 HDMI: On female HDMI connectors <b>OUTPUTS</b> 1 HDMI: On female HDMI connectors 1 Balanced Audio: On a 5pin terminal block connector <b>PORTS</b> 1 Control RS232: On a 3-pin terminal block connector 1 Data RS232: On a 3-pin terminal block connector 1 Remote ContactClosure: On a 4 pin terminal block connector 1 Relay: On a 3-pin terminal block connector 1 Program USB: On a USB connector for firmware upgrade
Video	Max Data Rate (on the HDMI ports) KIT400R: 18Gbps, KIT400T: 10.2Gbps  Max Resolution (on HDMI ports) KIT400R: 4K@60Hz (4:4:4), KIT400T: 4K@60Hz (4:2:0)  HDMI Support: 4K60, CEC, xvYCC color  Content Protection: HDCP 1.4 and 2.2 (KIT400R)  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, DIPswitches, remote contactclosure 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
Product Dimensions	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00" ) W, D, H
Product Weight	1.2kg (2.6lbs) approx
Shipping Dimensions	44.50cm x 23.50cm x 5.50cm (17.52" x 9.25" x 2.17" ) W, D, H
Shipping Weight	2.0kg (4.4lbs) approx

