

## VX44-18G-Kit

### 4 x 4 4K HDBaseT™ Matrix Switcher

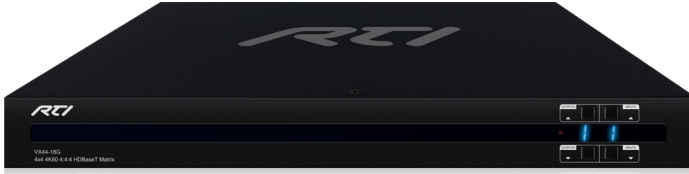
The RTI 4x4 HDBaseT™ Matrix combines exceptional performance with outstanding value for custom integrators world-wide. The VX44-18G-KIT is an HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.2 matrix using Color Space Conversion (CSC) technology to deliver HDMI, Bi-directional IR and PoC up to lengths of 70m over a single CAT cable. The Matrix delivers advanced features including simultaneous HDBaseT™/HDMI on output 1, video down-conversion on HDBaseT™ outputs and a web browser interface module for simple configuration of the Matrix. Four (4) receivers are included in this kit.

Included in the box:

- 1 x VX44-18G
- 4 x VRX70-18G
- 1 x Rack Mounting Kit
- 1 x Remote Control
- 4 x IR Emitters
- 5 x IR Receivers
- 1 x RS-232 Control Cable
- 1 x IR Control Cable - 3.5mm-3.5mm Cable
- 1 x Power Cable

## Key Features

- Advanced HDBaseT™ technology enables distribution of video and audio over a single CAT cable
- Advanced Color Space Conversion (CSC) supports HDMI 2.0 18Gbps specification including HDR
- The four (4) HDMI inputs can be independently routed to four (4) HDBaseT™ outputs with output 1 featuring simultaneous HDMI and HDBaseT™ output
- Video down-conversion on HDBaseT™ outputs allows a display only capable of supporting lower video resolutions (4K 60Hz 4:2:0 or 1080p) to receive 4K 60Hz 4:4:4 video content while still showing maximum original 4K UHD resolution on remaining video outputs
- Supports 4K 60Hz 4:4:4 UHD video up to 131ft (40m) and 1080p video up to 131ft (70m)
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K and all known HDMI audio formats including Dolby TrueHD®, Dolby Atmos®, Dolby Digital Plus® and DTS-HD Master Audio® transmission
- Control via front panel , IR, RS-232 and TCP/IP
- Supports PoC (Power over Cable) to power compatible HDBaseT™ receivers
- Advanced EDID management and HDCP 2.2 compliant



VX44-18G 4 x 4 4K HDBaseT™ Matrix Switcher



VRX70-18G 4 x 4 4K HDBaseT™ Receiver

## Specifications

### VX44-18G HDBaseT™ Matrix Switcher

Video Input Connectors	4 x HDMI Type A, 19-pin, female
Video Output Connectors	1 x HDMI Type A, 19-pin, female 4 x HDBaseT™ RJ45 connector
HDBaseT™ Transmission Distance	1080p @50/60Hz ≤ 131ft (70m) 3840 x 2160 @50/60Hz 4:4:4 ≤ 229ft (40m)
Max. Bandwidth	18Gbps
RS-232 serial port	1 x 3-Pin Phoenix Connector
TCP/IP Control	1 x RJ45, female
IR Input ports	5 x 3.5mm Stereo Jack
IR Output ports	4 x 3.5mm Mono Jack
Rack-Mountable	1 U rack height, Rack Ears included
Dimensions (W x D x H)	17.2" x 15.1" x 2.1" (437mm x 384mm x 53mm)
Dimensions (W x D x H) (without feet)	17.2" x 14.8" x 1.7" (437mm x 377mm x 44mm)
Shipping Weight	11lbs. (5.0kg)
Operating Temperature	32°F to 104°F (-5°C to +55°C)
Storage Temperature	-4°F to 140°F (-25°C to +70°C)
Power Supply	115VAC or 240VAC
Warranty	Three Years (Parts & Labor)

### VRX70-18G HDBaseT™ Receiver

Video Input Connectors	1 x HDBaseT™ RJ45 Connector
Video Output Connectors	1 x HDMI Type A, 19-pin, female
Audio Input Connectors	1 x Toslink (S/PDIF)
Audio Output Connectors	1 x Toslink (S/PDIF), 1 x 3.5mm L/R Analog Audio
HDBaseT™ Transmission Distance	1080p @50/60Hz ≤ 131ft (70m) 3840 x 2160 @50/60Hz 4:4:4 ≤ 229ft (40m)
Max. Bandwidth	18Gbps
RS-232 serial port	1 x 3-Pin Phoenix Connector
IR Input ports	1 x 3.5mm Stereo Jack
IR Output ports	1 x 3.5mm Mono Jack
Mounting Kit	Included
Dimensions (W x D x H)	5.5" x 3.3" x .7" (140mm x 84mm x 18mm)
Dimensions (W x D x H) (including connectors)	5.5" x 3.5" x .7" (140mm x 88mm x 18mm)
Shipping Weight	1.3lbs. (0.6kg)
Operating Temperature	32°F to 104°F (-5°C to +55°C)
Storage Temperature	-4°F to 140°F (-25°C to +70°C)
Power Supply	1x 12V/1A DC, Screw Connector
Warranty	Three Years (Parts & Labor)

All features and specifications subject to change without notice

## State-of-the-Art HDBaseT Technology



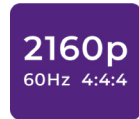
### HDBaseT™

No bottleneck with the latest HDBaseT™ 18Gbps standard that provides the highest possible bandwidth that currently exists.



### 4K UHD

Enjoy stunning picture quality with 4K UHD resolution.



### 2160p/60Hz/4:4:4

Eliminate blurred fast motions in action movies. 4K resolution paired with 60Hz refresh rate provides a crystal clear and crisp picture quality.



### Long Distance

Go beyond the distance limitations of HDMI cables. Video can be transmitted over a Cat cable up to 229ft/70m.



### HDCP 2.2

Be fully compliant with the latest copy protection algorithms to avoid black screens when connecting an HDMI source.



### Power over HDBaseT™

Get rid of extra power supplies for HDBaseT™ receivers. Remote devices can be powered over the HDBaseT cable.



It's Under Control®

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