

# Shinybow SB-5669CK-16x35R-Kit 16x16 4K UHD HDBaseT Matrix Switcher Kit/1 x SB-5669CK Switch/16 x SB-6335R Receivers

**SB-5669CK-16x35R-Kit includes:** 1 x SB-5669CK (16x16 HDMI & HDBaseT - UHD 4K2K Matrix Routing Switch), 16 x SB-6335R (HDMI HDBaseT RECEIVER up to 330 Feet)

## SB-5669CK - 16x16 HDMI & HDBaseT - UHD 4K2K Matrix Routing Switch

The SB-5669CK is professional 16x16 matrix routing switch. Supporting (16) HDMI Inputs and (16) HDMI Outputs & (16) HDBaseT™ Outputs. The SB-5669CK is based on HDBaseT™ standards and supports full resolution HDMI video with embedded HDCP, RS-232 and bi-directional IR, all over a single CAT6/6a/7 category cable. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (16) Inputs to (32) Outputs simultaneously (channel outputs mirrored). The switcher is certified as being fully CEC and HDCP 2.0 compliant with HDMI V1.4a, 4K2K, 3D formats and data rates up to 6.75 Gbps. Using the build-in booster, each HDMI output port is capable of driving cable lengths for 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M). Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB- 5669CK has (16) HDMI connector Inputs and (16) HDBaseT™ & (16) HDMI output, effectively making this an (16) in x (32) out switcher (same signal on both outputs). Using the HDBaseT™ output remote transmitter allows you to connect a source in a remote location. Likewise, the HDBaseT™ output and our HDBaseT™ receiver allows you to connect a display in a remote location. EDID management can be selected between (7) different modes and control is provided via front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

## **Features:**

- Enables switching of (16) HDMI digital source devices to (16) HDMI devices and (16) HDBaseT™ Transmitter outputs to (32) destinations
- **New IR Matrix Source Routing Control**
- HDBaseT™ specification with Bi-Directional IR, RS-232, Multi Audio Format and HD video signals over single CAT6/6a/7 category cable
- HDMI digital video w/ embedded HDCP, DVI format and CEC/HDCP 2.0 compliant
- Worldwide EDID control modes for HDMI full 4K2K HD video resolutions
- Link speeds of up to 6.75Gbps (link clock rate of 340MHz), Supports HDMI 1.4a , 4K2K & 3D formats
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
- Compatible with all HDMI source devices, PC monitors, Plasma HD displays, HDTV and audio receivers or audio amplifiers
- Digital video TMDS formats resolutions up to 4K2K with Deep color 36bit
- Digital audio support digital multi-channel audio: Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX PCM, PCM2, LPCM2
- HDBaseT™ supported with IR Remote and RS-232 signals over a single CAT6/6a/ 7 category cable
- Various User Interface controls:
  - Windows based GUI control via RS-232 port
  - Front panel push button
  - IR remote control
  - Ethernet switch control (via PC protocol commands)
  - Third party RS-232 controller (via simple ASCII)
- Supports (7) world wide control function keys:
  - Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
  - Support EDID Modes:
    - a. Embedded EDID Modes: FSS (Fast Speed Start)/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D- M/ 4K2K-3D / DVI-D 1920x1200-60Hz
    - b. External Modes: Learning mode (learning destination EDID link to source device)
- Automatic scanning input & output status via LCM showout on front panel
- Using the build-in booster, each HDMI output port is capable of driving cable lengths of 1080p up to 98 ft (30M) & 4K2K up to 66 ft (20M)
- Supports IR remotes and IR extenders for distances up to ~ 984 ft (300M) Maximum
- Supports Universal power adaptor AC100V~AC240V, 50/60Hz

## SB-6335R - HDMI HDBaseT RECEIVER up to 330 Feet

The SB-6335R HDBaseT™ receiver can receive HDMI, IR in/out, IR remote in/ out and RS-232 I/O signals from a HDBaseT™ Transmitter via a single category cable for long distances up to 328 feet (100M) maximum. SB-6335R uses a single category LAN CAT6, CAT6a or CAT7 (UTP or FTP) cable with RJ-45 8P8C connectors and supports the 568a or 568b color specification table. This HDBaseT™ receiver provides higher full HD HDMI resolutions of 480i/p, 720p, 1080i/p and 4K2K quality that is identical to the source and to the HD destination display. Receives HDMI digital video, digital multi-channel audio signals, IR in/out and RS-232 series interface signals via a single category cable from the HDBaseT™ Transmitter.

## **Inputs:**

- (1) CAT5/6 UTP

## **Outputs:**

- (1) RS-232

- (1) HDMI
- (1) IR EXT port

**Features:**

- HDBaseT™ HDMI Receiver over a single category LAN cable
- Extender for HDMI, IR in/out and RS-232 series interface in/out and is HDCP compliant
- Supports a CAT6, CAT6a and CAT7 UTP/FTP category cable
- Supports link speeds of up to 3.4Gbps
- Supports Digital RGB 36bits, V1.4a HDMI TMDS format
- Extends higher quality DVI video for 1920x1200 resolution
- Supports HD High Definition full range resolutions 480p, 720p 1080i/1080p and 4K2K
- Supports long distances up to 328 feet/100M between HDBaseT™ Transmitter and HDBaseT™ Receiver
- Supports wall mount pack and rack mount installed for a 19 inch 4U Rack mount
- Supports power DC input with low power consumption (Full load 850mA)
- Power supply universal power switch 50/60Hz, 100~240VAC