

# Shinybow SB-5669CKP-8x35R5-Kit 16x16 4K UHD HDBaseT PoH Matrix Switcher Kit/ SB-5669CKP Switch/8 x SB-6335R5 Receivers

## SB-5669CKP - 16x16 HDBaseT PoH UHD 4K2K Matrix Routing Switch

- **Type of HDMI Switcher:** (16) HDMI Inputs to (16) HDMI & (16) HDBaseT™ Outputs Matrix Switcher
- **HDMI Supports:** HDMI 4K2K@30Hz, 1080p@60Hz, H36-bit Deep color, 3D, HDMI V1.4 formats
- **HDBaseT™ Support:** HDMI digital signals, bi-directional IR, RS-232 and PoH over single CAT6/6a/7 cable
- **HDCP/CEC Support:** HDCP 1.3 Compliant, CEC Compliant
- **Video Bandwidth:** Double Data Rates: 340Mhz
- **Digital Video Support:** HD: 480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- **Inputs (HDMI):** (16) HDMI (HDMI or DVI digital source)
- **Outputs (HDMI):** (16) HDMI (to destination)
- **Booster (Each HDMI Output):** 1080p up to ~98 feet (30M) & 4K2K up to ~66 feet (20M)
- **HDBaseT™ Output (PoE):** (16) HDBaseT™ Transmitter (PoE) via a single category cable using RJ-45 connectors
- **HDMI Digital Multi-Channel Audio Support:** Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- **HDBaseT™ Control:**
  - **1. IR Control:**
    - (16) IR In (Sends IR signals to (16) rooms via a HDBaseT™ Transmitter)
    - (16) IR Out (Links to receive IR signals from (16) rooms via a HDBaseT™ Extender)
  - **2. RS-232 I/O Control:** (16) RS-232 I/O (Controls (16) rooms with RS-232 via the switchers HDBaseT™ Extender Tx)
- **Switch Controls:**
  - Select & Function buttons on front panel (Data status via LCM panel show out)
  - IR Remote Controller (switch control) (p/n: SW-HD69CK)
  - (16) IR Room Remote Controller (switch control) (p/n: SW-HD69CK01~16)
  - IR External port (switch control via 3.5mm OD Jack)
  - RS-232 series interface (switch control)
  - Ethernet series interface (switch control)
- **Source Status:** Input status LEDs indicates presence of a live signal
- **(39) Function Control Keys:** 1. ALL, 2. OFF, 3. RECALL, 4. ENTER, 5. MEMORY, 6. LOCK, 7. EDID, 8. Destination 1 thru 16, 9. Source 1 thru 16
- **(7) EDID Management:** Select Embedded EDID Modes: Mode1: Fast Speed Start®, Mode2: H24-3D, Mode3: H24-3D-M, Mode4: H36-3D, Mode5: H36-3D- M, Mode6: 4K2K-3D, PCM-2CH, Mode7: DVI-D 1920x1200
- **Learning Mode:**
  - **1. Select LEARNING mode-1:** Learning single Destination EDID to Link Source
  - **2. Select LEARNING mode-2:** Learning multiple Destination EDID to Link Source
- **Infrared Frequency:** 38Khz
- **IR External Distance:** SB-100 (~984 feet / 300M maximum)
- **HDBaseT™ Extender Distance:** ~328 feet / 100M maximum
- **HDMI I/O Connector:** HDMI Type A - SMD 19pin female type
- **Temperature:** Operating Temperature 32°F - 100°F (0°C - 32°C)
- **Dimensions (LxWxH):** 17.5 x 12 x 7 in
- **Rack Mount:** 4RU High 19 in Rack Mount #4U-440L (with rack mount ears)
- **Power Supply:** AC 100~240VAC 50/60Hz (120V/3A/360W; 220V/ 1.63A/360W)
- **Safety Approvals:** CE, FCC, REACH
- **Weight:** 16.8 lb (Unit only) / 32.0 lb (Net)

## SB-6335R5 - 5-Play HDBaseT PoH RECEIVER up to 330 Feet

- **Type of Extender:** HDBaseT™ Receiver for HDMI signal over a category LAN Cable
- **Input Signals:** HDMI with Digital Video (TMDS)/Audio 0.5~1.0Vpp, DDC 5Vpp
- **HDBaseT™ Supportd:** HDMI Standard, DVI and HDCP Compliant
- **Video Supported:** HDMI and DVI TMDS formats for 1920x1200 resolutions up to 3.4Gbps Digital RGB 36bits deep color, 3D 1.4a HDMI format
- **HDMI Audio Out Supports:** Multi-channel Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS- HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- **PoH Supported:** HDBaseT™ Receiver with PoH (power over HDBaseT™)
- **Category Cable Supported:** CAT6, CAT6a, CAT7 UTP/FTP cable
- **Supportd HDMI Resolutiond:** 480p, 720p, 1080i/1080p
- **Scan Rate Accepted:** Supports HDMI full HD Resolutions; Frequency 24Hz to 60Hz
- **Control:** (1) IR in/out, (1) IR in/out, (1) RS-232 and (1) LAN series interface
- **IR Infrared Frequency:** 38KHz
- **Extender Distance:** Up to 100M (CAT6)
- **Safety Approvals:** CE, FCC, VCCI, REACH & WEEE
- **Dimensions (LxWxH):** 5.31 x 5.11 x 1 in (135x130x26mm)
- **Rack Mount:** Uses a total of 10 pcs installed into one 19 inch rack mount
- **Weight:** 1.1 lb (Unit only) / 2.0 lb (Net)

- **Power Consumption:** Max 850mA (Full load 1080p-60Hz signal with use DC12V input)
- **Power Supply:** *Optional* Power Input +12VDC, 2A, (Universal Type 50/60Hz, 100~240VAC)