

MATRIX SWITCHER · HDMI MATRIX

BLU-HDM2-1616AD

Any of sixteen 4K60 sources, to any of sixteen screens.

An 18Gbps 16x16 HDMI matrix that routes any of sixteen uncompressed 4K60 (4:4:4) sources to any of sixteen displays, with 16x coaxial audio de-embed, per-output 4K → 1080P scaling, ARC and smart EDID. A 1U rack chassis driven from the front panel, IR, RS-232, LAN or the built-in web GUI.



16 × 16

HDMI MATRIX

18Gbps

VIDEO BANDWIDTH

4K60 4:4:4

MAX RESOLUTION

4K→1080P

PER-OUTPUT SCALER

ARC

CEC & SMART EDID

SPECIFICATION SUMMARY

Matrix	16 × 16 HDMI
HDMI Compliance	HDMI 2.0b
HDCP	HDCP 2.2 / 1.x, DVI 1.0
Video Bandwidth	18Gbps
Max Resolution	4K2K@60Hz (YUV 4:4:4)
Down Scaler	4K→1080P, each output
HDR	HDR10, HDR10+, Dolby Vision, HLG
Audio de-embed	16× Coaxial (RCA)
Control	Panel, IR, RS-232, LAN, Web GUI
Power	DC 24V/3.75A, 76.8W

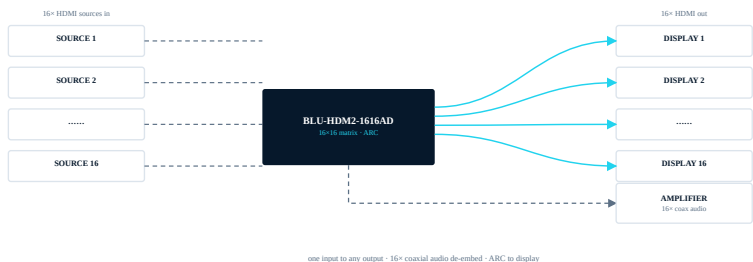
CONTENTS

01	Overview & package	02
02	Specifications	03
03	Front & rear panel	04
04	IR remote & EDID	06
05	Web GUI	08
06	RS-232 control	11
07	Application	14

KEY FEATURES

- HDMI 2.0b, HDCP 2.2/1.x & DVI 1.0 compliant
- 18Gbps bandwidth, 4K2K@60Hz (4:4:4) on all ports
- Dolby Vision, HDR10+ and HLG supported
- ARC, CEC and smart EDID management

One source to any screen. Each of the sixteen HDMI outputs supports an independent 4K → 1080P downscaler, and ARC audio from the display is extracted back to coaxial output. 1U rack design with front-panel OLED.



ONE INPUT TO ANY OUTPUT · 16× COAXIAL AUDIO DE-EMBED · ARC TO DISPLAY

01 Overview

What the matrix does, and what's in the box.

The **18Gbps 16×16 HDMI Matrix** supports the transmission of video (resolution up to **4K2K@60Hz YUV 4:4:4**) and multi-channel high resolution digital audio from 16 HDMI sources to 16 HDMI displays. Audio de-embedded to coaxial audio is supported from 16 HDMI output ports. While HDMI output ARC function is enabled, the ARC audio from HDMI display devices will be extracted to coaxial audio output. Each HDMI output supports **4K2K to 1080P downscaler independently**. Control via front panel buttons, IR remote, RS-232, LAN and Web GUI.

FEATURES

- HDMI 2.0b, HDCP 2.2/1.x and DVI 1.0 compliant
- Video resolution up to 4K2K@60Hz (YUV 4:4:4) on all HDMI ports
- Support 18Gbps video bandwidth
- HDR, HDR10, HDR10+, Dolby Vision and HLG are supported
- Support 4K → 1080P Down Scaler for each output port
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio)
- Audio de-embedded is supported via coax ports
- ARC, CEC and smart EDID management are supported
- 1U rack mounted design with front panel OLED display
- Control via front panel buttons, IR remote, RS-232, LAN and Web GUI

AT A GLANCE

Matrix 16×16	HDMI 2.0b	HDCP 2.2/1.x
BW 18Gbps	Max 4K60 4:4:4	Scaler 4K→1080P
Audio 16× Coax	Rack 1U	

PACKAGE CONTENTS

①	1 × 18Gbps 16×16 HDMI Matrix
②	1 × 24V/3.75A Power Adapter
③	1 × IR Remote
④	1 × RS-232 serial cable (1.5m, male to female)
⑤	2 × Mounting Ear
⑥	1 × User Manual

02 Specifications

Technical, connection, mechanical and environmental figures.

TECHNICAL

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 / 1.x
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz (4:4:4)
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio (Pass-through)	LPCM 2/5.1/7.1, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Coax Audio Formats	LPCM 2.0, Dolby Digital / Plus, DTS 5.1
HDR formats	HDR10, HDR10+, Dolby Vision, HLG
ESD Protection	Human-body Model: ±8kV (Air-gap), ±4kV (Contact)

CONNECTION

Input Ports	16 × HDMI Type A [19-pin female]
Output Ports	16 × HDMI Type A [19-pin female] 16 × Coax Audio (RCA)
Control Ports	1 × TCP/IP [RJ45] 1 × RS-232 [D-Sub 9]

MECHANICAL

Housing	Metal Enclosure
Color	Black
Dimensions	440mm (W) × 200mm (D) × 44mm (H)
Weight	3.1 kg

POWER

Power Supply	Input: AC 100–240V 50/60Hz Output: DC 24V/3.75A (US/EU, CE/FCC/UL)
Power Consumption	76.8W

ENVIRONMENT

Operating Temp.	-10°C ~ 45°C / 14°F ~ 113°F
Storage Temp.	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

HDMI REACH (CABLE LENGTH)

4K60	16ft / 5M
4K30	32ft / 10M
1080P60	50ft / 15M

The use of "Premium High Speed HDMI" cable is highly recommended.

03 Front & rear panel

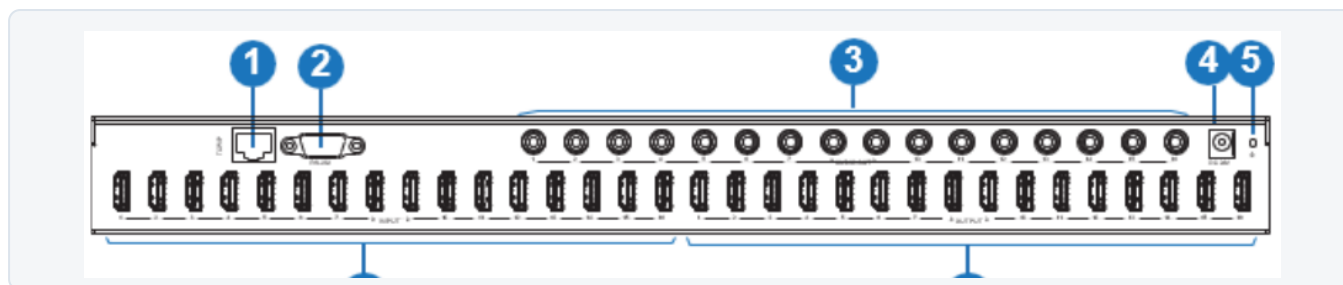
Every control and connector on the unit.

FRONT PANEL



- | | | |
|---|--------------------------|--|
| 1 | OLED screen | Display matrix switching status, input / output port, EDID, Baud rate, IP Address. |
| 2 | Power LED | Illuminates green when connected to power supply, and red when on standby. |
| 3 | Input / Output buttons | Press an input button (1–16) first, then press "AV", then an output button (1–16, including "ALL") to route the corresponding input to output. |
| 4 | AV / ALL buttons | AV: switch a source to an output (e.g. "1 → AV → 3"). ALL: output to all displays (e.g. "1 → AV → ALL"). |
| 5 | MENU / ENTER / UP / DOWN | EDID check & setting, Baud rate setting and IP Address check via the OLED menu. Press MENU again to return to the initial display. |
| 6 | IR Window | IR receiver window; receives the IR remote signal for this product only. |

REAR PANEL



1	TCP/IP port	TCP/IP control port; connect to PC or router with an RJ45 cable.
2	RS-232 port	Connect to a PC or control system by D-Sub 9-pin cable to transmit RS-232 commands.
3	AUDIO OUT (1-16)	Coaxial audio output ports; connect to an audio device such as an amplifier via coaxial cable.
4	DC 24V	Connect to the 24V power adapter.
5	GND	Connect the housing to ground.
6	INPUT ports (1-16)	HDMI input ports; connect to HDMI source devices such as a DVD or set-top box.
7	OUTPUT ports (1-16)	HDMI output ports; connect to HDMI display devices such as a TV or monitor.

04 IR remote & EDID

Remote operation, then EDID management modes.

IR REMOTE

- **Power on / Standby** — power on the Matrix or set it to standby.
- **Input 1–16** — select input source button.
- **Output 1–16** — select output source button.
- **All** — select all output sources simultaneously.

Operation: press the **input** button first, then the **output** button. Press Input-Y (Y = 1–16), then Output-X (X = 1–16, including "All"). For example, pressing input "1" then "All" outputs source 1 to all display devices.

EDID MANAGEMENT

This Matrix has **21 factory-defined EDID settings, 2 user-defined EDID modes and 16 copy EDID modes**. Select a defined or copy EDID mode for an input port via the front-panel buttons, RS-232 control or Web GUI.

On-panel	MENU → select EDID with UP/DOWN → ENTER → "copy to input :" → select input → ENTER.
RS-232	Send ASCII command "s edid in x from z!" (see RS-232 Control).
Web GUI	Set EDID in the "Input page" of the Web GUI.

DEFINED EDID LIST

39 EDID modes: 21 factory-defined, 2 user-defined, 16 copy-from-output.

Mode	EDID Description	Mode	EDID Description
1	1080p, Stereo Audio 2.0	21	4K2K60_444, HD Audio 7.1 HDR
2	1080p, Dolby/DTS 5.1	22	USER1
3	1080p, HD Audio 7.1	23	USER2
4	1080i, Stereo Audio 2.0	24	Copy from hdmi output 1
5	1080i, Dolby/DTS 5.1	25	Copy from hdmi output 2
6	1080i, HD Audio 7.1	26	Copy from hdmi output 3
7	3D, Stereo Audio 2.0	27	Copy from hdmi output 4
8	3D, Dolby/DTS 5.1	28	Copy from hdmi output 5
9	3D, HD Audio 7.1	29	Copy from hdmi output 6
10	4K2K30_444, Stereo Audio 2.0	30	Copy from hdmi output 7
11	4K2K30_444, Dolby/DTS 5.1	31	Copy from hdmi output 8
12	4K2K30_444, HD Audio 7.1	32	Copy from hdmi output 9
13	4K2K60_420, Stereo Audio 2.0	33	Copy from hdmi output 10
14	4K2K60_420, Dolby/DTS 5.1	34	Copy from hdmi output 11
15	4K2K60_420, HD Audio 7.1	35	Copy from hdmi output 12
16	4K2K60_444, Stereo Audio 2.0	36	Copy from hdmi output 13
17	4K2K60_444, Dolby/DTS 5.1	37	Copy from hdmi output 14
18	4K2K60_444, HD Audio 7.1	38	Copy from hdmi output 15
19	4K2K60_444, Stereo Audio 2.0 HDR	39	Copy from hdmi output 16
20	4K2K60_444, Dolby/DTS 5.1 HDR		

05 Web GUI user guide

Log in over the network, then drive the matrix from a browser.

GETTING CONNECTED

- Step 1 — Get the IP address.** Default is **192.168.1.100**. Read it from the OLED (MENU → IP), or send "r ipconfig!" over RS-232.
- Step 2 — Connect.** Link the TCP/IP port to a PC and set the PC to the same network segment as the Matrix.
- Step 3 — Open.** Enter the Matrix IP address in a browser to reach the Web GUI.
- Step 4 — Log in.** Select the Username and enter the password.

Username	User / Admin
Password	user / admin (default)

STATUS PAGE

The Status page provides basic information about the Model, the installed firmware version and the network settings of the device.

VIDEO PAGE

Output — the device's OUTPUT port; select a signal source for it.

Input — click the drop-down to select a signal source for the OUTPUT port.

Presets Name / Set / Save / Clear — name (max 12 chars), restore, save or clear an audio-video matrix switching relationship.

INPUT PAGE

Inputs — input channel of the device.

Active — indicates whether the channel is connected to a signal source.

Name — modify the input channel name (max 12 characters).

EDID — set the current channel's EDID. Browse and upload a .bin file to User 1 / User 2, and download the EDID file of a selected input channel.

OUTPUT PAGE

Outputs — output channel of the device.

Cable — connection status (green = display connected, gray = not).

Name — modify the output channel name (max 12 characters).

Scaler Mode — set the current output resolution mode.

ARC — turn the ARC function on / off.

Stream — turn the output stream on / off.

CEC PAGE

Input Control — control each input source by clicking the on-page icons.

Output Control — control each display: power on/off, volume +/-, active source switching.

NETWORK PAGE

Set Network Defaults — restore default network, then re-search the IP address.

Modify Username — enter Old / New / Confirm password, then Save. Password can't be empty; New can't equal Old; New and Confirm must match.

Modify Network Setting — change Mode / IP Address / Gateway / Subnet Mask / Telnet Port, then Save. Static switches to the set IP; DHCP takes the router-assigned IP.

SYSTEM PAGE

Panel Lock — lock / unlock the panel buttons.

Beep — turn the beep on / off.

LCD — turn the LCD on / off and set the on-time (15s / 30s / 60s).

Serial Baud Rate — set the serial baud rate.

Firmware Update — browse to the update file, then Update.

Factory Reset — reset the unit to factory defaults.

Reboot — reboot the unit.

After reset / reboot, the Web GUI returns to the login page.

06 RS-232 control command

Serial control over a D-Sub 9 connection.

The product supports RS-232 control. Use a serial cable with an RS-232 male head and a DB9-to-USB male head. Connect the RS-232 end to the RS-232 port (DB9) on the rear of the Matrix and the USB end to a PC, then open a Serial Command tool to send ASCII commands.

Baud rate	115200
Data bits	8 bit
Stop bits	1
Check bit	0
Syntax	x = Parameter 1, y = Parameter 2, ! = Delimiter

The full ASCII command list follows. Command codes, function descriptions, examples, feedback and default settings are reproduced from the product manual.

COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
Power				
s power z!	Power on/off the device, z=0~1 (z=0 power off, z=1 power on)	s power 1!	Power on System Initializing... Initialization Finished! power off	power on
r power!	Get current power state	r power!	power on power off	
s reboot!	Reboot the device	s reboot!	Reboot... System Initializing... Initialization Finished! FW version x.xx.xx	
System Setup				
help!	List all commands	help!		
r type!	Get device model	r type!	HDP-MXB1616	
r status!	Get device current status	r status!	Get the unit all status: power, beep, lock, in/out connection, video/audio crosspoint, edid, scaler, network status	
r fw version!	Get Firmware version	r fw version!	MCU BOOT: Vx.xx.xx MCU APP: Vx.xx.xx WEB GUI: Vx.xx	
r link in x!	Get the connection status of the x input port, x=0~16 (0=all)	r link in 1!	hdmi input 1: connect	
r link out y!	Get the connection status of the y output port, y=0~16 (0=all)	r link out 1!	hdmi output 1: connect	
s reset!	Reset to factory defaults	s reset!	Reset to factory defaults System Initializing... Initialization Finished! FW version x.xx.xx	
s beep z!	Enable/Disable buzzer function, z=0~1 (z=0 beep off, z=1 beep on)	s beep 1!	beep on beep off	beep on
r beep!	Get buzzer state	r beep!	beep on beep off	
s lock z!	Lock/Unlock front panel button, z=0~1 (z=0 lock off, z=1 lock on)	s lock 1!	panel button lock on panel button lock off	panel button lock off
r lock!	Get panel button lock state	r lock!	panel button lock on/off	
s lcd on time z!	Set LCD screen remain on time, z=0~4 (0:off, 1:always on, 2:15s, 3:30s, 4:60s)	s lcd on time 1!	lcd on 15 seconds	lcd on 30 seconds

COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
r lcd mode!	Get the backlight status of lcd screen	r lcd mode!	lcd always on	
s save preset z!	Save switch state between all output port and the input port to preset z, z=1~8	s save preset 1!	save to preset 1	
s recall preset z!	Call saved preset z scenarios, z=1~8	s recall preset 1!	recall from preset 1	
s clear preset z!	Clear stored preset z scenarios, z=1~8	s clear preset 1!	clear preset 1	
r preset z!	Get preset z information, z=1~8	r preset 1!	video/audio crosspoint	
Output Setting				
s in x av out y!	Set input x to output y, x=1~16, y=0~16 (0=all)	s in 1 av out 2!	input 1 -> output 2	PTP
r av out y!	Get output y signal status y=0~16 (0=all)	r av out 0!	input 1 -> output 1 input 2 -> output 2 input 16 -> output 16	
s hdmi y stream z!	Set output y stream on/off, y=0~16 (0=all) z=0~1 (0:disable,1:enable)	s hdmi 1 stream 1! s hdmi 0 stream 1!	Enable hdmi output 1 stream Disable hdmi output 1 stream Enable hdmi all outputs stream Disable hdmi all outputs stream	enable
r hdmi y stream!	Get output y stream status, y=0~16 (0=all)	r hdmi 1 stream!	Enable hdmi output 1 stream	
s hdmi y scaler z!	Set hdmi output y port output scaler mode, y=0~16 (0=all), z=1~3 (1=bypass, 2=4k->1080p, 3=Auto)	s hdmi 1 scaler 1! s hdmi 0 scaler 1!	hdmi output 1 set to bypass mode hdmi all outputs set to bypass mode	hdmi all outputs set to bypass mode
r hdmi y scaler!	Get hdmi output y port output mode y=0~16 (0=all)	r hdmi 1 scaler !	hdmi output 1 set to bypass mode	
EDID Setting				
s edid in x from z!	Set input x EDID from default EDID z, x=0~16 (0=all) z=1~39. 1: 1080p,Stereo Audio 2.0 / 2: 1080p,Dolby/DTS 5.1 / 3: 1080p,HD Audio 7.1 / 4: 1080i,Stereo Audio 2.0 / 5: 1080i,Dolby/DTS 5.1 / 6: 1080i,HD Audio 7.1 / 7: 3D,Stereo Audio 2.0 / 8: 3D,Dolby/DTS 5.1 / 9: 3D,HD Audio 7.1 / 10: 4K2K30_444,Stereo Audio 2.0 / 11: 4K2K30_444,Dolby/DTS 5.1 / 12: 4K2K30_444,HD Audio 7.1 / 13: 4K2K60_420,Stereo Audio 2.0 / 14: 4K2K60_420,Dolby/DTS 5.1 / 15: 4K2K60_420,HD Audio 7.1 / 16: 4K2K60_444,Stereo Audio 2.0 / 17: 4K2K60_444,Dolby/DTS 5.1 / 18: 4K2K60_444,HD Audio 7.1 / 19: 4K2K60_444,Stereo Audio 2.0 HDR / 20: 4K2K60_444,Dolby/DTS 5.1 HDR / 21: 4K2K60_444,HD Audio 7.1 HDR / 22: User1 / 23: User2 / 24~39: copy from hdmi output 1~16	s edid in 1 from 1! s edid in 0 from 1!	input 1 EDID:1080p, Stereo Audio 2.0 all inputs EDID:1080p, Stereo Audio 2.0	1080p,Stereo Audio 2.0
r edid in x!	Get EDID status of the input x, x=0~16 (0=all input)	r edid in 0!	input 1 EDID: 4K2K60_444,Stereo Audio 2.0 input 16 EDID: 4K2K60_444,Stereo Audio 2.0	
r edid data hdmi y!	Get the EDID data of the hdmi output y port, y=1~16	r edid data hdmi 1!	EDID: 00 FF FF FF FF FF FF 00	
Audio Setting				

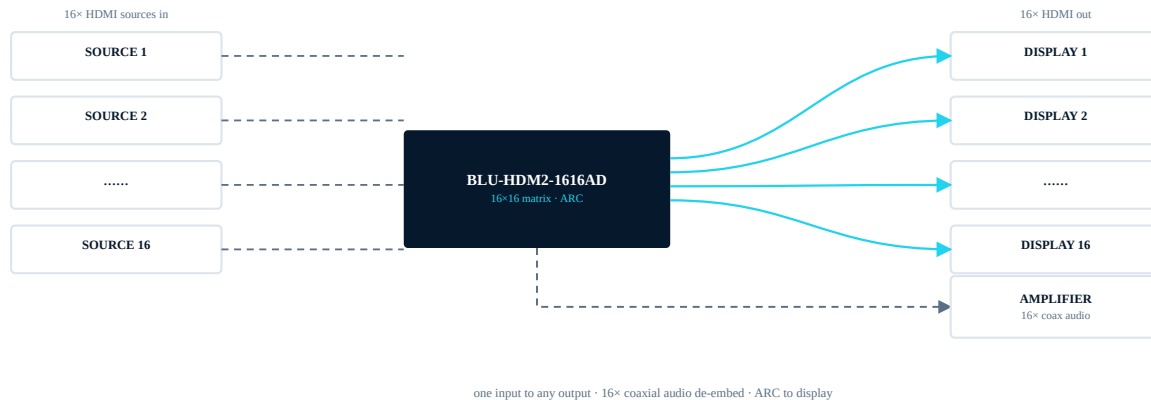
COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
s hdmi y arc z!	Turn on/off ARC of HDMI output y, y=0~16 (0=all) z=0~1 (z=0 off, z=1 on)	s hdmi 1 arc 1! s hdmi 0 arc 1!	hdmi output 1 arc on hdmi output 1 arc off hdmi all outputs arc on hdmi all outputs arc off	off
r hdmi y arc!	Get the ARC state of HDMI output y, y=0~16 (0=all)	r hdmi 1 arc!	hdmi output 1 arc on	
CEC Setting				
s cec in x on!	set input x power on by CEC, x=0~16 (0=all input)	s cec in 1 on!	input 1 power on	
s cec in x off!	set input x power off by CEC, x=0~16 (0=all input)	s cec in 1 off!	input 1 power off	
s cec in x menu!	set input x open menu by CEC, x=0~16 (0=all input)	s cec in 1 menu!	input 1 open menu	
s cec in x back!	set input x back operation by CEC, x=0~16 (0=all input)	s cec in 1 back!	input 1 back operation	
s cec in x up!	set input x menu up operation by CEC, x=0~16 (0=all input)	s cec in 1 up!	input 1 menu up operation	
s cec in x down!	set input x menu down operation by CEC, x=0~16 (0=all input)	s cec in 1 down!	input 1 menu down operation	
s cec in x left!	set input x menu left operation by CEC, x=0~16 (0=all input)	s cec in 1 left!	input 1 menu left operation	
s cec in x right!	set input x menu right operation by CEC, x=0~16 (0=all input)	s cec in 1 right!	input 1 menu right operation	
s cec in x enter!	set input x menu enter by CEC, x=0~16 (0=all input)	s cec in 1 enter!	input 1 menu enter operation	
s cec in x play!	set input x play by CEC, x=0~16 (0=all input)	s cec in 1 play!	input 1 play operation	
s cec in x pause!	set input x pause by CEC, x=0~16 (0=all input)	s cec in 1 pause!	input 1 pause operation	
s cec in x stop!	set input x stop by CEC, x=0~16 (0=all input)	s cec in 1 stop!	input 1 stop operation	
s cec in x rew!	set input x rewind by CEC, x=0~16 (0=all input)	s cec in 1 rew!	input 1 rewind operation	
s cec in x mute!	set input x volume mute by CEC, x=0~16 (0=all input)	s cec in 1 mute!	input 1 volume mute	

COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
s cec in x vol-!	set input x volume down by CEC, x=0~16 (0=all input)	s cec in 1 vol-!	input 1 volume down	
s cec in x vol+!	set input x volume up by CEC, x=0~16 (0=all input)	s cec in 1 vol+!	input 1 volume up	
s cec in x ff!	set input x fast forward by CEC, x=0~16 (0=all input)	s cec in 1 ff!	input 1 fast forward operation	
s cec in x previous!	set input x previous by CEC, x=0~16 (0=all input)	s cec in 1 previous!	input 1 previous operation	
s cec in x next!	set input x next by CEC, x=0~16 (0=all input)	s cec in 1 next!	input 1 next operation	
s cec hdmi out y on!	set hdmi output y power on by CEC, y=0~16 (0=all output)	s cec hdmi out 1 on!	hdmi output 1 power on	
s cec hdmi out y off!	set hdmi output y power off by CEC, y=0~16 (0=all output)	s cec hdmi out 1 off!	hdmi output 1 power off	
s cec hdmi out y mute!	set hdmi output y volume mute by CEC, y=0~16 (0=all output)	s cec hdmi out 1 mute!	hdmi output 1 volume mute	
s cec hdmi out y vol-!	set hdmi output y volume down by CEC, y=0~16 (0=all output)	s cec hdmi out 1 vol-!	hdmi output 1 volume down	
s cec hdmi out y vol+!	set hdmi output y volume up by CEC, y=0~16 (0=all output)	s cec hdmi out 1 vol+!	hdmi output 1 volume up	
s cec hdmi out y active!	set hdmi output y active source by CEC, y=0~16 (0=all output)	s cec hdmi out 1 active!	hdmi output 1 active source	
Network Setting				
r ipconfig!	Get the Current IP Configuration	r ipconfig!	IP Mode: Static IP: 192.168.1.72 Subnet Mask: 255.255.255.0 Gateway: 192.168.1.1 TCP/IP port=8000 Telnet port=10 Mac address: 00:1C:91:03:80:01	
r mac addr!	Get network MAC address	r mac addr!	Mac address: 00:1C:91:03:80:01	
s ip mode z!	Set network IP mode to static IP or DHCP, z=0~1 (z=0 Static, z=1 DHCP)	s ip mode 0!	Set IP mode:Static (Please use "s net reboot!" command or repower device to apply new config!)	
r ip mode!	Get network IP mode	r ip mode!	IP Mode: Static	
s ip addr xxx.xxx.xxx.xxx!	Set network IP address	s ip addr 192.168.1.100!	Set IP address: 192.168.1.100 (Please use "s net reboot!" command or repower device to apply new config!) DHCP on, Device can't config static address, set DHCP off first.	

COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
r ip addr!	Get network IP address	r ip addr!	IP address: 192.168.1.100	
s subnet xxx.xxx.xxx.xxx!	Set network subnet mask	s subnet 255.255.255.0!	Set subnet Mask: 255.255.255.0 (Please use "s net reboot!" command or repower device to apply new config!) DHCP on, Device can't config subnet mask, set DHCP off first.	
r subnet!	Get network subnet mask	r subnet!	Subnet Mask: 255.255.255.0	
s gateway xxx.xxx.xxx.xxx!	Set network gateway	s gateway 192.168.1.1!	Set gateway: 192.168.1.1 (Please use "s net reboot!" command or repower device to apply new config!) DHCP on, Device can't config gateway, set DHCP off first.	
r gateway!	Get network gateway	r gateway!	Gateway: 192.168.1.1	
s tcp/ip port x!	Set network TCP/IP port (x=1~65535)	s tcp/ip port 8000!	Set TCP/IP port:8000	
r tcp/ip port!	Get network TCP/IP port	r tcp/ip port!	TCP/IP port:8000	
s telnet port x!	Set network telnet port (x=1~65535)	s telnet port 23!	Set Telnet port:23	
r telnet port!	Get network telnet port	r telnet port!	Telnet port:23	
s net reboot!	Reboot network modules	s network reboot!	Network reboot... IP Mode: Static IP: 192.168.1.72 Subnet Mask: 255.255.255.0 Gateway: 192.168.1.1 TCP/IP port=8000 Telnet port=10 Mac address: 00:1C:91:03:80:01	

07 Application example

Any of sixteen sources to any of sixteen screens, with audio de-embedded.



Route anything, anywhere. Any of the sixteen HDMI inputs can be sent to any of the sixteen outputs, independently, at up to 4K2K@60Hz (4:4:4).

Audio, extracted. Each output de-embeds to coaxial audio; with ARC enabled, display audio returns to the coaxial output for a local amplifier.

ORDERING

BLU-HDM2-1616AD

18Gbps 16×16 HDMI Matrix with ARC — HDMI 2.0b, HDCP 2.2/1.x, 4K2K@60Hz (4:4:4), per-output 4K → 1080P downscaler, 16× coaxial audio de-embed, ARC/CEC, smart EDID, control via panel / IR / RS-232 / LAN / Web GUI

bluKnot

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. Bluknot is a registered trademark of Bronx Systems India Private Limited. www.bronx.co.in · admin@bronx.co.in · sales@bronx.co.in