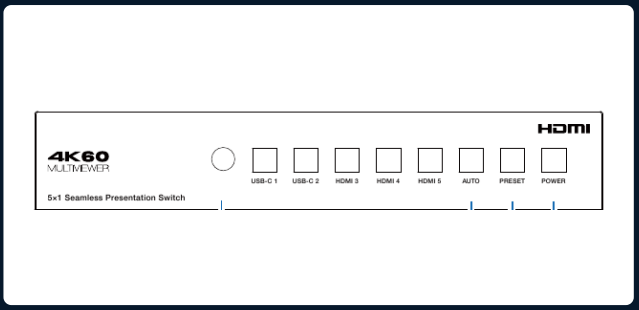
PRESENTATION SWITCHER · HDBASET 70M

BLU-HDC-51M-H70

Five sources, one room, no cables to chase.

A 5×1 seamless presentation switch with 3 HDMI and 2 USB-C inputs (DisplayPort Alt mode, USB 2.0, 100M Ethernet, 60W charging), mirrored HDMI + HDBaseT 3.0 outputs to 70m, USB 2.0 KVM, and a built-in Dante 2×2 audio matrix with independent EQ, volume and delay — controlled from the panel, IR, Web GUI or RS-232.



5 × 1	40–70m	4K60 4:4:4	Dante 2×2	USB KVM
HDMI / USB-C	HDBASET 3.0	18GBPS	AUDIO MATRIX	+ 60W PD

SPECIFICATION SUMMARY

Type	5×1 presentation switch + HDBaseT
Inputs	3× HDMI, 2× USB-C (DP Alt)
HDMI / DP	HDMI 2.0b / DP 1.2
HDCP	HDCP 2.2
Max Resolution	4K2K@60Hz 4:4:4
HDBaseT reach	70m @ 1080P/4K30, 40m @ 4K60
Display modes	Single, PIP, PBP, Triple, Quad
Audio	Analog + Dante 2×2, 3×3 matrix
Control	Panel, IR, RS-232, TCP/IP, Web GUI
Power	DC 24V/8A, 150W max

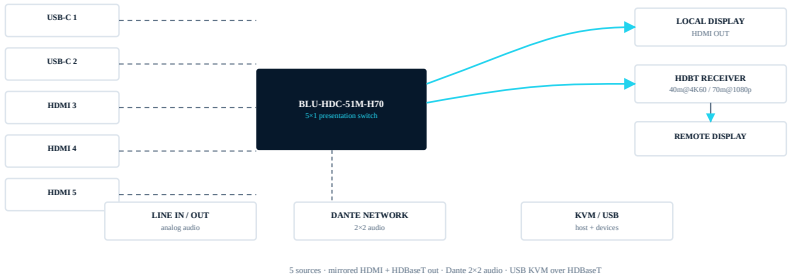
CONTENTS

01	Overview & package	02
02	Specifications	03
03	Panels	05
04	IR remote	07
05	Web GUI	08
06	Dante Web GUI	10
07	RS-232 control	11
08	Application	16

KEY FEATURES

- HDMI 2.0b, HDCP 2.2, DP 1.2; 18Gbps
- Uncompressed 4K60 over HDBaseT 3.0 to 40m
- 5 multiview layouts; seamless switching
- Dante 2×2 + analog, 3×3 audio matrix with EQ

The room's front-of-house box. Three HDMI and two USB-C inputs (with 60W charging), seamless multiview switching, mirrored local and HDBaseT-remote outputs, USB KVM pass-through, and a Dante-ready audio matrix — one box handles the whole presentation chain.



5 SOURCES · MIRRORED LOCAL + HDBASET DISPLAY · DANTE 2×2 AUDIO · USB KVM

www.bronx.co.in · admin@bronx.co.in · sales@bronx.co.in

01 Overview

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

This **5×1 seamless presentation switch** features 3 HDMI inputs, 2 USB-C inputs (DP Alt mode, USB 2.0, 100M Ethernet and 60W charging), 1 HDMI output and 1 HDBT mirrored output. HDBT supports standard PoE power and can extend uncompressed signal up to **70m (4K@30Hz 4:4:4)** or **40m (4K@60Hz 4:4:4)** via a single CAT6A (F/FTP) cable. Output supports single full-screen or various multiview display modes (Single/PIP/PBP/Triple/Quad). The switch supports USB 2.0 local KVM switching and local Hub—HDBT USB pass-through (TX to RX), plus bi-directional RS-232 and IR control pass-through. It is fitted with 1 analog audio input, 1 analog audio output, and Dante 2×2 audio input/output, with a built-in **3×3 audio matrix** with independent audio EQ, volume and delay adjustment.

FEATURES

- HDMI 2.0b, HDCP 2.2 and DP 1.2 compliant; 18Gbps
- 4K@60Hz 4:4:4; HDBaseT 3.0 to 40m (4K60) or 70m (1080P/4K30)
- Up to 5 multiview modes: Single, PIP, PBP, Triple, Quad
- 5×1 seamless switching (single screen) and fast switching (multiview)
- Input: 2× USB-C, 3× HDMI, 1× Analog audio, 1× Dante 2ch
- Output: 1× HDMI + 1× HDBT mirrored, 1× Analog audio, 1× Dante 2ch
- USB-C supports DP Alt mode, USB 2.0, 100M Ethernet, 60W charging
- Local USB 2.0 KVM switching; USB 2.0 extension over HDBT 3.0
- Manual and automatic input switching
- Analog/Dante audio embed and de-embed
- CEC / RS-232 control of external displays (on/off)
- Advanced EDID management
- Control via panel, IR remote, RS-232, TCP/IP or Web GUI
- Standard PoE power supply (TX_PSE, RX_PD)

AT A GLANCE

In	3 HDMI + 2 USB-C
Out	HDMI + HDBT
HDCP	2.2
BW	18Gbps
Max	4K60 4:4:4
Reach	40–70m
Audio	Dante 2×2
KVM	USB 2.0

PACKAGE CONTENTS

①	1 × 5×1 Seamless Presentation Switch
②	1 × HDBaseT Receiver
③	1 × IR Blaster Cable (1.5m)
④	1 × IR Wideband Receiver Cable (1.5m)
⑤	2 × 3-pin 3.5mm Phoenix Connector
⑥	3 × 5-pin 3.5mm Phoenix Connector
⑦	4 × Mounting Ear
⑧	8 × Machine Screw
⑨	24V/8A Desktop Power Supply + AC Cord (1.5m)
⑩	1 × IR Remote
⑪	1 × User Manual

02 Specifications

Technical performance figures.

TECHNICAL

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
DP Version	DP 1.2
Video Bandwidth	18Gbps
USB Bandwidth	TX devices→TX Host/USB-C: 480Mbps RX devices→TX Host/USB-C: 350Mbps RX devices→RX Host: 480Mbps
Network Bandwidth	100Mbps (LAN and USB-C)
Input Video Resolution	480i–1080p50/60Hz, 4K×2K@24/30Hz, 4K2K@50/60Hz 4:4:4
IR Level	12Vp-p
IR Frequency	Wideband 20K–60KHz
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
Color Depth	Input: 8/10/12-bit, 8-bit (4K60 4:4:4) Output: 8-bit
Audio Formats	LPCM 2.0
Audio Sample Rate	48KHz
Transmission Distance	1080P & 4K30: 70m · 4K60: 40m
HDR	Input supports HDR; output does not
ESD Protection	Human-body Model: ±8kV (Air-gap), ±4kV (Contact)

TX ANALOG AUDIO

Input Impedance	10K Ohms
Output Impedance	330 Ohms
Line Input Level (Max)	8.2dBu (2Vrms) balanced or unbalanced
Line Output Level (Max)	8.2dBu (2Vrms) balanced 2.2dBu (1Vrms) unbalanced
Frequency Response	(+0.5dB, -1dB) 20Hz–20kHz
Audio Sync Delay	0 to 50ms
Audio S/N Ratio	93dB @ 2Vrms, 1kHz A-weighted
Audio THD+N	<0.1% @ 0dBV, 1kHz

RX ANALOG AUDIO & DANTE

RX Output Impedance	330 Ohms
RX Line Output (Max)	8.2dBu (2Vrms) bal. / 2.2dBu (1Vrms) unbal.
RX S/N Ratio	93dB @ 2Vrms, 1kHz A-weighted
Dante Audio Formats	LPCM 2.0
Dante Sample Rate	44.1 / 48 / 88.2 / 96KHz at 24-bit
Dante Audio Delay	2 / 3 / 4 / 5 / 10 ms
Dante Network Bandwidth	100Mbps

CONNECTIONS

TRANSMITTER

Input	3× HDMI IN [Type A, 19-pin female] 2× USB-C [24-pin female] 1× LINE IN [5-pin 3.5mm Phoenix] 1× DANTE [RJ45]
Output	1× HDMI OUTPUT [19-pin female] 1× HDBT OUTPUT [RJ45] 1× LINE OUT [5-pin 3.5mm Phoenix]
Control	1× RS-232 [3-pin Phoenix] 1× LAN [RJ45] 1× USB HOST [Type B] 2× USB DEVICES [Type A] 1× IR IN + 1× IR OUT [3.5mm]

HDBASET RECEIVER

Input	1× HDMI IN [19-pin female] 1× HDBaseT IN [RJ45]
Output	1× HDMI OUT [19-pin female] 1× LINE OUT [5-pin 3.5mm Phoenix]
Control	1× RS-232 [3-pin Phoenix] 1× USB HOST [Type B] 2× USB DEVICES [Type A] 1× SERVICE [Micro-USB] 1× IR IN + 1× IR OUT [3.5mm]

MECHANICAL

Housing	Front panel: Aluminum · Rear case: Metal
Color	Black
Dimensions	TX: 220 × 150 × 44 mm RX: 140 × 105 × 21.5 mm
Weight	TX: 1.21 kg · RX: 424 g

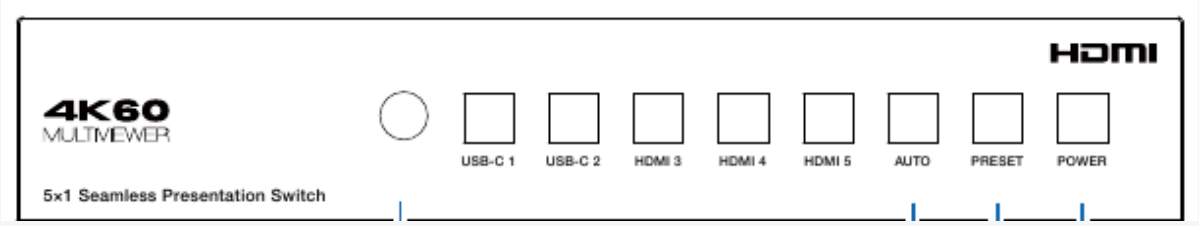
POWER & ENVIRONMENT

Power Supply	Input: AC 100–240V 50/60Hz Output: DC 24V/8A (US/EU, CE/FCC/UL)
Power Consumption	150W (Max)
Operating Temp.	0°C–40°C / 32°F–104°F
Storage Temp.	-20°C–60°C / -4°F–140°F
Relative Humidity	20–90% RH (non-condensing)

03 Switch panel

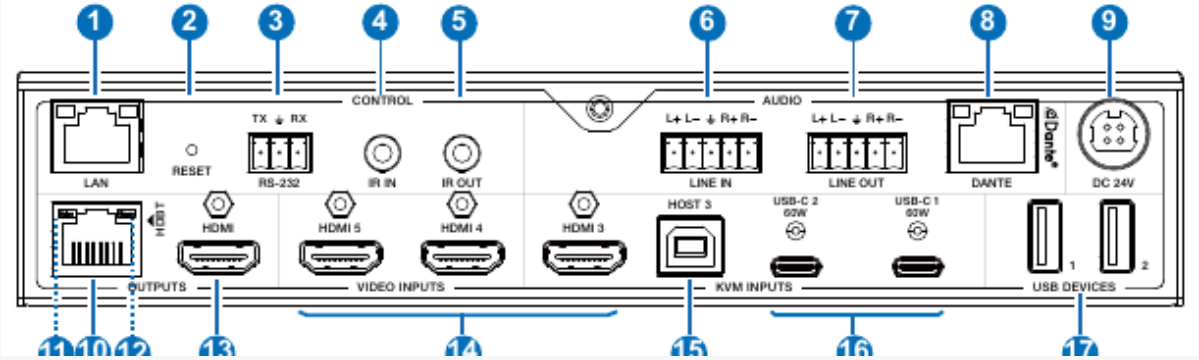
Transmitter front and rear panel controls.

FRONT PANEL



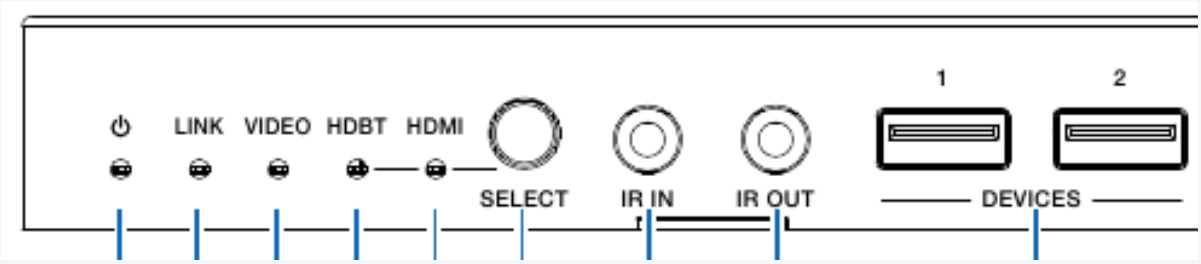
1	IR Window	IR signal receiving window, for the IR remote signal.
2	USB-C 1/2, HDMI 3/4/5 buttons	In single-screen mode, press to select the input channel (button lights on). In multiview mode, the lit buttons show which inputs are on screen; pressing any input button returns to single-screen mode. Configurable via Web GUI; light auto-off after 1s.
3	AUTO button	Enable/disable auto switching; button lights when enabled.
4	PRESET button	Cycle through preset application scenes (configured via Web GUI); light auto-off after 1s.
5	POWER button	Hold 3s to enter standby (light on); short press in standby to power on (light off).

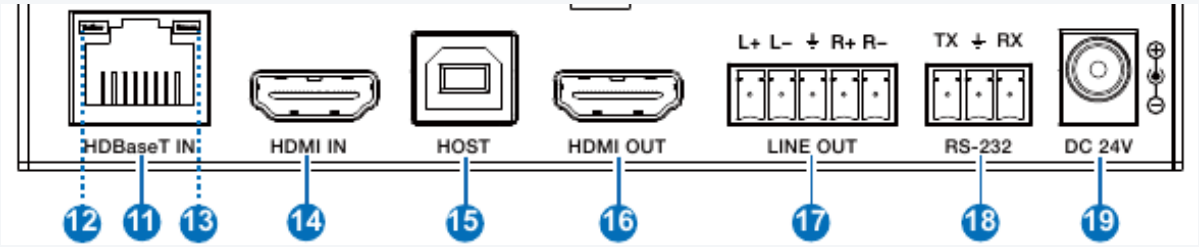
REAR PANEL



1	LAN	Connect to a router/switch for USB-C internet access or Web GUI control.
2	RESET	Hold 5s to restore factory defaults.
3	RS-232	Serial pass-through or RS-232 command control.
4/5	IR IN / IR OUT	IR pass-through and remote control input/output.
6/7	LINE IN / LINE OUT	Balanced/unbalanced analog audio in and out (up to 2Vrms).
8	DANTE	Dante network port for other Dante receivers; send and receive.
9	DC 24V	Power input from the 24V adapter.
11	HDBT OUTPUT + indicators	HDBaseT output over CAT6A to the receiver; Data (yellow) and Link (green) status LEDs.
13	HDMI OUTPUT	HDMI output to a local display or monitor.
14	HDMI 3/4/5 INPUTS	HDMI source inputs.
15	HOST 3	USB Host port, connected to a PC.
16	USB-C 1/2 (60W)	USB-C signal input with 60W charging.
17	USB DEVICES	Two USB extension ports for mouse, keyboard, camera, etc.

HDBASET RECEIVER PANEL





1–5	Power / Link / Video / HDBT / HDMI LEDs	Status indicators: power on (red), TX–RX link quality, HDMI signal/HDCP presence, and active input source (HDBT or HDMI).
6	SELECT	Select the signal input channel (HDBT or local HDMI).
7/8	IR IN / IR OUT	IR receiver and blaster pass-through to/from the transmitter.
9	DEVICES (1/2)	Two USB extension ports for whiteboard, mouse, keyboard, camera, etc.
10	SERVICE	Micro-USB firmware update port.
12	HDBaseT IN + indicators	HDBaseT input from the transmitter, with Data (yellow) and Link (green) status LEDs.
14	HDMI IN	Local HDMI source input at the receiver end.
15	HOST	USB Host port, connected to a PC.
16	HDMI OUT	HDMI output to the display or monitor.
17	LINE OUT	Balanced/unbalanced analog audio output.
18	RS-232	Serial pass-through or RS-232 command control of the receiver.
19	DC 24V	Power input; the receiver can alternatively be powered by PoE via the HDBaseT IN port.

04 IR remote

Full remote operation across video, multiview and audio.

- **Power** — power on the switch or set it to standby mode.
- **VIDEO — USB-C 1/2, HDMI 3/4/5** — select input source in single-screen mode (front-panel button lights blue). Step buttons cycle the last/next source.
- **AUTO** — enable/disable auto switching.
- **PRESET** — cycle through preset application scenes.
- **Multiview button** — cycle Single–PIP–PBP–Triple–Quad.
- **RES.** — cycle the output resolution.
- **FREEZE** — freeze / unfreeze the screen.
- **RX HDBT / RX HDMI** — select the HDBaseT-IN or local HDMI-IN port as the receiver's signal source.
- **AUDIO — USB-C 1/2, HDMI 3/4/5, WIN 1, AIN, DANTE** — select the audio input channel for the HDMI/HDBT output (USB-C 1/2, HDMI 3/4/5 and WIN 1 belong to the Main In/USB-C In audio channels).
- **Mute** — mute / unmute Master Out audio.
- **VOL-, VOL+** — decrease / increase the Master Out audio volume.

IR CABLE PIN ASSIGNMENT

IR Blaster	`2-pin: + (tip) and – (sleeve)`
IR Receiver	`Pin 1: IR Signal · Pin 2: Grounding · Pin 3: Power 12V`

> At ±45° between the IR receiver and the remote, transmission distance is 0–5m; at ±90°, it extends to 0–8m.

05 Web GUI user guide

Get connected, log in, then drive the room from a browser.

GETTING CONNECTED

1. **Step 1 — get the IP.** Default is **192.168.0.100** (no router). Read the current IP via RS-232: send "r ip addr".
2. **Step 2 — connect.** Link the LAN port to a PC with a UTP cable and match the PC's IP segment.
3. **Step 3 — open.** Enter the switch's IP address in a browser to reach the Web GUI login page.
4. **Step 4 — log in.** User (view/basic control) or Admin (full configuration).

Username	`User / Admin`
Password	`user / admin (default)`

USER PAGE

Preset — recall preset application scenes.

Video — set multiview mode, select input per screen, freeze or mute.

Master Out — set volume/mute for HDMI/HDBT Out, Line Out or Dante Out independently.

ADMIN – INFORMATION & STATUS

Information — model, software version, IP info and current temperature.

Status — input/output connection status, resolution, colour space/depth and HDCP.

PRESET & EDID PAGES

Preset — up to 5 scenes: Name, Save, Clear, Recall.

EDID — set EDID per input from a 16-mode list (Auto, Copy HDMI OUT, Copy HDBT OUT, plus fixed and user-defined modes); download/upload EDID as a .bin file per port.

VIDEO PAGE

Switch mode — Auto Switch on/off; Fallback Input (Auto steps USB-C1→USB-C2→HDMI3→HDMI4→HDMI5 when the current source drops, single-screen mode only).

Window layout — Single/PIP/PBP/Triple/Quad; Freeze; AV Mute; PIP position/size; PBP/Triple/Quad display mode, aspect and border/colour.

Output setting — output resolution (15-mode list); HDMI HDCP and HDBT HDCP version.

AUDIO PAGE

Source select — Main In, HDMI/HDBT Out, Line Out, Dante Out sources.

Input/Output setting — per-channel volume/mute for Main In, Line In, Dante In, and Master Out (HDMI/HDBT/Line/Dante), with mix, delay and sync options.

GEQ setting — per-output equalizer: Flat or Custom 1–5.

USB, RS-232, NETWORK & SYSTEM PAGES

USB — Follow Video, Manual Switch (USB-C1/2, Host 3), or Auto Switch.

RS-232 — local/remote Baud Rate, Data Bit, Parity, Stop Bit; Display Auto Power command sequencing with delays.

Network — IP Mode, IP/Subnet/Gateway, Telnet Port, Domain Name; account passwords.

System — CEC command, Display Auto Power, Auto Power-off Timer, Control Type; panel-button lock, beep, USB-C Ethernet access, fan speed, reboot, factory reset, config export/import, firmware update.

06 Dante Web GUI user guide

A separate, built-in interface for the Dante audio network.

GETTING CONNECTED

1. **Step 1** — connect the switch and a PC to the same Ethernet switch.
2. **Step 2** — set the PC's network adapter to obtain an IP automatically.
3. **Step 3** — open Dante Controller software and find the device on the Routing page.
4. **Step 4** — check the Device Info tab for the Dante device's IP address.
5. **Step 5** — enter that IP in a browser to reach the Dante Web GUI login page.
6. **Step 6** — log in as Admin (default password: admin).

PAGES

Information — model name, software version, IP information.

Network — IP Mode, IP/Subnet/Gateway, Telnet Port, TCP Port, Domain Name; product model editable.

System — Account Passwords (Admin); Firmware/DEP SDK update; Dante Control (factory reset, reboot).

07 RS-232 control command

Serial control over a 3-pin Phoenix connection.

The product supports RS-232 command control. Connect the RS-232 port to a PC with a 3-pin Phoenix connector and an RS-232-to-USB cable, then open a Serial Command tool to send ASCII commands.

Baud rate	`115200 (default)`
Data bits	`8-bit`
Stop bits	`1`
Parity bit	`None`
TCP/IP port	`8000`
Syntax	`x = Parameter 1, y = Parameter 2. End mark: <CR><LF>`

> The ASCII command list follows, grouped by System, Input, Output, Single-Screen, Multiview, Audio, USB, CEC, Preset and Network settings.

COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
System Setting				
help	Get the list of all commands	help	List of all API commands	
r type	Get device model	r type	PS51KVM	
r status	Get device current status	r status	Full status report	
r fw version	Get Firmware version	r fw version	MCU 1.1.0 Web 1.1.0 Scaler 20230228-10 FPGA 1.1.0 RX 1.18.02	
s power on / s power off	Power on / off the device	s power on	Power on System Initializing... Initialization Finished!	
r power	Get current power state	r power	power on power off	
s reboot	Reboot the device	s reboot	Reboot… System Initializing... Initialization Finished!	
s reset	Reset to factory defaults	s reset	Reset to factory defaults System Initializing... Initialization Finished!	
s front button x	Lock/unlock front panel buttons, x=0~1 (0=Unlocked, 1=Locked)	s front button 0	Front button: Unlocked	0
r front button	Get front button lock status	r front button	Front button: Unlocked	
s beep x	Set buzzer on/off, x=0~1	s beep 1	Beep: On	0

COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
r beep	Get buzzer on/off status	r beep	Beep: Off	
s ir x	Set IR on/off, x=0~1	s ir 1	IR: On	1
r ir	Get IR on/off status	r ir	IR: Off	
s UsbcAccessNetwork x	Set USB-C network access on/off, x=0~1	s UsbcAccessNetwork 1	USB-C Access Network: On	1
r UsbcAccessNetwork	Get USB-C network access status	r UsbcAccessNetwork	USB-C Access Network: On	
s fan speed x	Set fan speed, x=0~4 (0=Auto, 1=25%, 2=50%, 3=75%, 4=100%)	s fan speed 0	Fan Speed: Auto	0
Input Setting				
s input x EDID y	Set input EDID, x=0~5 (0=all, 1~5=USB-C 1/2, HDMI 3/4/5), y=1~16. 1: Auto (HDBT or HDMI or HDBT+HDMI) / 2: Copy HDMI OUT / 3: Copy HDBT OUT / 4: 4K2K60_444,Stereo Audio 2.0 / 5: 4K2K30_444,Stereo Audio 2.0 / 6: 1080P,Stereo Audio 2.0 / 7: 720p,Stereo Audio 2.0 / 8: 1920x1200,Stereo Audio 2.0 / 9: 1680x1050,Stereo Audio 2.0 / 10: 1600x1200,Stereo Audio 2.0 / 11: 1440x900,Stereo Audio 2.0 / 12: 1360x768,Stereo Audio 2.0 / 13: 1280x1024,Stereo Audio 2.0 / 14: 1024x768,Stereo Audio 2.0 / 15: User Defined 1 / 16: User Defined 2	s input 0 EDID 1	Input USB-C 1 EDID: Auto (all inputs)	
r input x EDID	Get input EDID mode, x=0~5	r input 0 EDID	Input USB-C 1 EDID: Auto (all inputs)	
r input x EdidData	Get input EDID data, x=0~5	r input 0 EdidData	Input USB-C 1 EDID Data: <00 FF FF FF….>	
Output Setting				
s output res x	Set output resolution, x=1~15. 1: Auto / 2: 3840x2160p60 / 3: 3840x2160p50 / 4: 4096x2160p60 / 5: 4096x2160p50 / 6: 3840x2160p30 / 7: 3840x2160p25 / 8: 1920x1200p60RB / 9: 1920x1080p60 / 10: 1920x1080p50 / 11: 1360x768p60 / 12: 1280x800p60 / 13: 1280x720p60 / 14: 1280x720p50 / 15: 1024x768p60	s output res 2	Output resolution: 3840x2160p60	1 (Auto)

COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
r output res	Get output resolution	r output res	Output resolution: 3840x2160p60	
s output hdmi hdcp x	Set HDMI output HDCP version, x=1~3 (1=1.4, 2=2.2, 3=off)	s output hdmi hdcp 2	HDMI HDCP: HDCP 2.2	HDCP 2.2
r output hdmi hdcp	Get HDMI output HDCP version	r output hdmi hdcp	HDMI HDCP: HDCP 2.2	
s output hdbt hdcp x	Set HDBT output HDCP version, x=1~3	s output hdbt hdcp 2	HDBT HDCP: HDCP 2.2	HDCP 2.2
r output hdbt hdcp	Get HDBT output HDCP version	r output hdbt hdcp	HDBT HDCP: HDCP 2.2	
Single Screen Setting				
s auto switch x	Enable/disable auto switching, x=0~1	s auto switch 1	Auto switch: On	0
r auto switch	Get auto switching state	r auto switch	Auto switch: Off	
s fallback input x	Set fallback input source, x=0~5 (0=Auto, 1~5=USB-C1/2, HDMI3/4/5)	s fallback input 0	Fallback input: Auto	Auto
r fallback input	Get fallback input source	r fallback input	Fallback input: Auto	
s in source x	Switch to input x in single-screen mode, x=1~5	s in source 3	Input source: HDMI 3	USB-C 1
Multiview Setting				

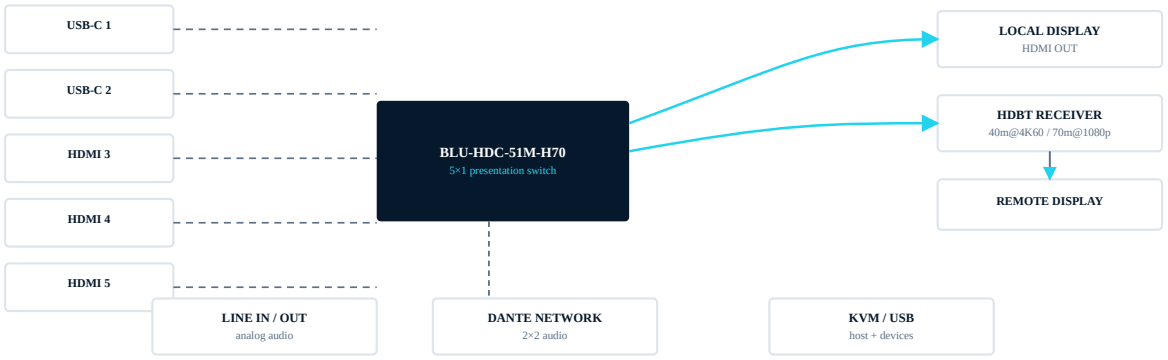
COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
s multiview x	Set window layout, x=1~5 (1=Single, 2=PIP, 3=PBP, 4=Triple, 5=Quad)	s multiview 1	Multiview: Single	Single
r multiview	Get window layout	r multiview	Multiview: Single	
s freeze x	Freeze/unfreeze the screen, x=0~1	s freeze 1	Freeze: On	0
s av mute x	Mute/unmute audio and video, x=0~1	s av mute 1	AV Mute: On	0
s pip position x	Set PIP window position, x=1~4 (Left/Right Top/Bottom)	s pip position 3	PIP position: Right Top	Right Top
s pip size x	Set PIP window size, x=1~3 (small/middle/large)	s pip size 3	PIP size: large	large
s window x border y	Set the border on/off for window x, y=0~1	s window 1 border 1	Window 1 border: On	Off
s window x border color y	Set border color for window x (BLACK/RED/GREEN/BLUE/YELLOW/MAGENTA/CYAN/WHITE/GRAY)	s window 1 border color 5	Window 1 border color: YELLOW	YELLOW
Audio Setting				
s audio main in x	Set the signal source for Main In, x=1~5 (USB-C 1/2, HDMI 3/4/5)	s audio main in 1	Main In: USB-C 1	USB-C 1
s audio hdmi hdbt out x	Set the audio source for HDMI/HDBT Out	s audio hdmi hdbt out 0	HDMI/HDBT Out: follow video	follow video
s audio line out x	Set the audio source for Line Out	s audio line out 0	Line Out: follow video	follow video

COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
s audio dante out x	Set the audio source for Dante Out	s audio dante out 0	Dante Out: follow video	follow video
s vol master x	Set Master Out volume, x=0~100	s vol master 80	Master Out volume: 80	70
s mute master x	Mute/unmute Master Out, x=0~1	s mute master 1	Master Out: Mute On	0
s geq output x preset y	Set GEQ preset for output x (Flat/Custom1~5)	s geq output 1 preset 1	Output 1 EQ: Flat	Flat
USB Setting				
s usb switch follow video	Set USB transmission to follow the video source (window 1 in multiview)	s usb switch follow video	USB Switch: Follow Video	Follow Video
s usb switch manual x	Manually switch USB, x=1~3 (USB-C 1/2, Host 3)	s usb switch manual 1	USB Switch: USB-C 1	
s usb switch auto	Auto-detect and switch USB source	s usb switch auto	USB Switch: Auto	
CEC Setting				
s cec x	Turn CEC command on/off, x=0~1	s cec 1	CEC: On	0
s display auto power x	Turn Display Auto Power on/off, x=0~1	s display auto power 1	Display Auto Power: On	0
s auto power off timer x	Set delay before auto power-off command, x=index into delay list	s auto power off timer 2	Auto Power Off Timer: 10min	

COMMAND CODE	FUNCTION DESCRIPTION	EXAMPLE	FEEDBACK	DEFAULT
Preset Setting				
s preset save x	Save current scene to preset x, x=1~5	s preset save 1	Preset 1 saved	
s preset recall x	Recall preset scene x, x=1~5	s preset recall 1	Preset 1 recalled	
s preset clear x	Clear preset scene x, x=1~5	s preset clear 1	Preset 1 cleared	
Network Setting				
r ip addr	Get the current IP address	r ip addr	IP Address: 192.168.0.100	
s ip mode x	Set IP mode, x=0~1 (0=Static, 1=DHCP)	s ip mode 0	IP Mode: Static	DHCP
s ip addr xxx.xxx.xxx.xxx	Set static IP address	s ip addr 192.168.0.100	IP Address set: 192.168.0.100	
s subnet mask xxx.xxx.xxx.xxx	Set subnet mask	s subnet mask 255.255.255.0	Subnet Mask set: 255.255.255.0	
s gateway xxx.xxx.xxx.xxx	Set gateway address	s gateway 192.168.0.1	Gateway set: 192.168.0.1	
s telnet port x	Set Telnet port	s telnet port 23	Telnet Port set: 23	23

08 Application example

Five sources, mirrored to a local and a remote HDBaseT display, with Dante audio.



5 sources · mirrored HDMI + HDBaseT out · Dante 2×2 audio · USB KVM over HDBaseT

One box, two displays. HDMI and HDBaseT outputs mirror the same signal — a local screen and a remote one up to 70m away over a single CAT6A cable.

Audio, matrixed. The built-in 3×3 audio matrix routes analog and Dante sources to Master Out with independent EQ, volume and delay per channel.

ORDERING

BLU-HDC-51M-H70	5×1 HDMI/USB-C 4K60 Seamless Presentation Switch with HDBaseT 3.0 70m Out — HDMI 2.0b / HDCP 2.2 / DP 1.2, 18Gbps, 4K2K@60Hz 4:4:4, 5 multiview modes, Dante 2×2 + analog audio with 3×3 matrix, USB 2.0 KVM, control via panel / IR / RS-232 / TCP/IP / Web GUI. Includes HDBaseT receiver.

bluknot