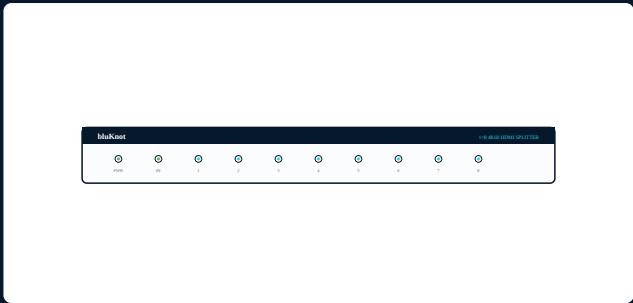


SPLITTERS · HDMI SPLITTER

BLU-HDM-DA18

One 4K source, eight screens.

An 18Gbps HDMI 1×8 splitter that distributes one HDMI source to eight displays synchronously, at up to 4K@60Hz (4:4:4). HDMI 2.0b / HDCP 2.2 with HDR support and COPY/AUTO EDID via an on-board DIP switch — reliable, high-quality distribution in a compact chassis.



1 × 8	18Gbps	4K@60Hz	HDR	COPY/AUTO
HDMI SPLITTER	594 MHZ	4 : 4 : 4	SUPPORTED	EDID VIA DIP

SPECIFICATION SUMMARY

Type	HDMI 1×8 Splitter
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	594 MHz / 18Gbps
Max Resolution	4K2K@60Hz (4:4:4)
HDR	Supported
EDID	COPY / AUTO (DIP switch)
Dimensions	243 × 102 × 16 mm
Weight	572 g
Power	DC 12V/1A, 6.15W

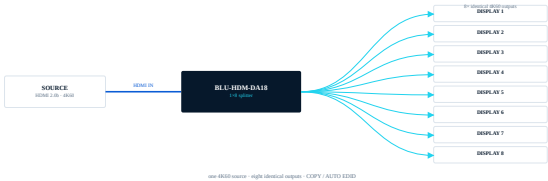
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KEY FEATURES

- HDMI 2.0b, HDCP 2.2 compliant
- Supports 18Gbps bandwidth
- Resolution up to 4K@60Hz 4:4:4
- HDR support; COPY/AUTO EDID via DIP switch

One in, eight out, all identical. Every output carries the same picture at the source's full resolution. The COPY / AUTO EDID DIP switch lets the splitter present a common format so every screen syncs cleanly.



DISTRIBUTION · ONE 4K60 SOURCE TO EIGHT DISPLAYS

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SPLITTER · 1 × 8

01 Overview

What the splitter does, and how EDID keeps eight screens in sync.

The **18Gbps 1×8 HDMI Splitter** is an advanced solution for splitting a single HDMI signal to **eight HDMI outputs synchronously**. It supports up to 18Gbps bandwidth and HDMI 2.0b / HDCP 2.2 content up to **4K@60Hz 4:4:4**. The COPY / AUTO EDID configuration can be set from an on-board DIP switch. Supporting the latest HDMI features, it delivers reliable, high-quality HDMI distribution.

FEATURES

- HDMI 2.0b, HDCP 2.2 compliant
- Supports 18Gbps bandwidth
- Supports resolution up to 4K@60Hz 4:4:4
- Supports HDR function
- Supports COPY / AUTO EDID control via the DIP switch
- Compact design for easy and flexible installation

AT A GLANCE

Type 1×8	HDMI 2.0b	HDCP 2.2	BW 18Gbps
Max 4K60 4:4:4	HDR Yes	EDID COPY/AUTO	
Update Micro-USB			

HOW EDID WORKS HERE

- **COPY mode** mirrors the EDID of a connected display so the source outputs a format that display supports.
- **AUTO mode** settles on a common format all connected screens can show.
- Set via the DIP switch on the unit; a Micro-USB SERVICE port is provided for firmware updates.

02 Specifications

Technical, connection, mechanical and environmental figures.

TECHNICAL

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	594 MHz / 18Gbps
Video Resolution	480i ~ 1080p50/60Hz, 4K×2K@24/30Hz, 4K2K@60Hz
HDMI Audio Formats	PCM 2CH, LPCM 7.1/5.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) ±4kV (Contact discharge)

CONNECTIONS

Input Port	1 × HDMI Type A (19-pin female) 1 × SERVICE (Micro-USB, update port)
Output Ports	8 × HDMI Type A (19-pin female)

MECHANICAL

Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions	243mm (W) × 102mm (D) × 16mm (H)
Weight	572 g

POWER

Power Supply	Input: AC100–240V 50/60Hz Output: DC 12V/1A (US/EU, CE/FCC/UL)
Power Consumption	6.15W

ENVIRONMENT

Operation Temp.	14°F–122°F / -10°C–50°C
Storage Temp.	-4°F–140°F / -20°C–60°C
Relative Humidity	20–90% RH (no condensation)

03 Interfaces & EDID

Every connector on the unit, and how the DIP switch sets EDID.



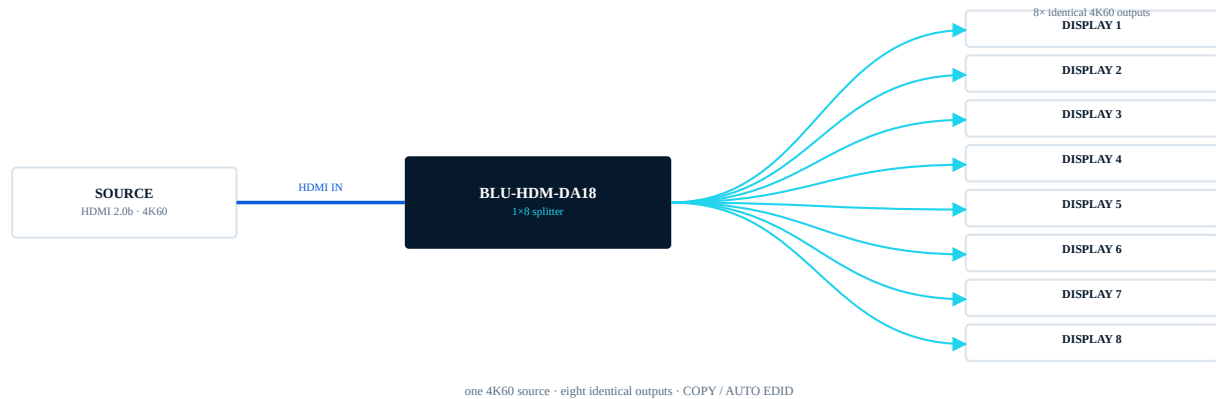
1	DC 12V	Barrel input from the external 12V / 1A supply (AC 100–240V adapter, CE/FCC/UL).
2	HDMI IN	Single HDMI Type A source input. HDMI 2.0b, HDCP 2.2.
3	SERVICE	Micro-USB port for firmware updates.
4	HDMI OUT 1–8	Eight HDMI Type A outputs, each carrying the same picture at the source's full resolution.

EDID DIP switch. Set COPY or AUTO EDID by dialling the on-board DIP switch. COPY mirrors a display's EDID; AUTO settles on a common format for the connected screens.

Cable matters at 4K60. Use certified Premium High Speed HDMI on every run; marginal cable shows first as sparkle or dropout on the longest output.

04 Application example

One source, eight destinations — a signage wall, an overflow room, a concourse.



Every screen, the same feed. The splitter mirrors one 4K60 source to all eight outputs at once — no routing, no per-screen setup.

Plan the EDID first. On a wall of mixed panels, set COPY / AUTO EDID to a format they all handle before going live.

ORDERING

BLU-HDM-DA18

1x8 4K60 HDMI Splitter — HDMI 2.0b, HDCP 2.2, 594 MHz / 18Gbps, 4K2K@60Hz (4:4:4), HDR, COPY/AUTO EDID via DIP switch, Micro-USB service port, 12V DC

bluKnot

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