

Control4® Leaf 4K Ultra HD 6×6 AV Matrix Switch



Control4 Leaf LU642 4K Ultra HD 6×6 Matrix Switch (LU642)

The 4K Ultra HD range of HDCP 2.2-compliant matrix switches delivers world-class distribution of your source material to every room in a residential or commercial installation. The LU642 is a full-featured model for smaller projects.

This model is capable of distributing six HDMI 4K UHD sources to four zones, utilizing HDBaseT Class A technology and two additional zones via HDMI outputs.

The integrated audio matrix combines audio extracted from the six HDMI sources with eight independent coaxial digital inputs to create a 14 source × 8 zone audio solution, with variable volume, bass & treble controls and audio delay for lip sync correction. Eight total audio zones can be served when AV receivers are connected to the local HDMI outputs.

Featuring an integrated Ethernet hub, the LAN port on the LU642 can be used to switch the incoming feed and send it to up to four LU1E HDBaseT Receivers.

Fast switching times are achieved thanks to Control4's advanced EDID management system EZ-Calibration.

Zone Lock technology ensures home theater and media rooms are able to take full advantage of the latest 7.1 HD audio codecs.

The LU642 is designed to be integrated into a full-function control system.

- 4K Ultra HD compatible
- HDCP 2.2 compliant
- Integrated audio matrix
- PoH (Power over HDBaseT) enabled

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Model number	LU642
Inputs/Outputs	
Inputs	HDMI (6) Coaxial S/PDIF digital audio (8)
Outputs	HDBaseT Class A (4) HDMI (2) Audio zone (stereo analog RCA) (8)
Pass-through control	Directional IR (4) (3.5mm) Bi-directional RS232 (4) (3.5mm)
Compatibility	
HDCP version	HDCP 2.2
Device control	RS232 and IP
Video resolution	Ultra HD 4K 3840 × 2160p (30, 25, 24) 4:4:4 3840 × 2160p (60, 50) 4:2:0 4096 × 2160p (30, 25, 24) 4:4:4
Audio formats	DTS-HD Master Audio, Dolby True HD, multi-channel 5.1 and 7.1, stereo
Video transmission	
Video transmission distances	1080P: CAT5e/CAT6/CAT6a up to 328 ft (100 m) 4K UHD: CAT5e/CAT6 up to 229 ft (70 m) 4K UHD: CAT6a/CAT7 up to 328 ft (100 m)
Dimensions	
Rack	2U (rack ears included)
Outside dimensions	17.3 in (439 mm) × 3.5 in (89 mm) × 10.13 in (257 mm) (WxHxD)

