

BLUSTREAM

HDMI DISTRIBUTION WITHOUT COMPROMISE



Transmitter & Receiver Compatibility Guide



February 2024

	HDBaseT output distance at 4K	PoC from HDBaseT output	PoC be disabled on output	HEX70SL-RX (12v)	HEX11WP-RX (12v - 24v)	HEX70CS-RX (12v)	HEX100CS-RX (12v)	RX70CS (12v - 24v)	RX70CSL (12v - 24v)	RX150CS (12v - 24v)	RX18G (24v)	
AMF42AU	40m	12v	YES		✓			✓				For 18Gbps CSC and ARC use RX70CS
C44CS-KIT	40m	12v	YES						✓			Kit supplied with 4x RX70CSL receivers
C66CS	40m	12v	YES	✓				✓				For 18Gbps CSC use RX70CS
C88CS	40m	12v	YES	✓				✓				For 18Gbps CSC use RX70CS
HMXL42ARC-KIT	40m	24v	YES					✓				Kit supplied with 2x RX70CS receivers
HMXL44ARC-KIT	40m	24v	YES				✓					Kit supplied with 4x RX70CS receivers
HMXL66ARC	40m	24v	YES				✓					
HMXL88ARC	40m	24v	YES				✓					
PRO-OUT2TCS	70m	12v	YES	✓	✓	✓	✓					Can use HEX70CS-RX where under 40m of CAT. No CSC with HEX70SL-RX or HEX11WP-RX
PRO-OUT4TCS	70m	12v	YES	✓	✓	✓	✓					Can use HEX70CS-RX where under 40m of CAT. No CSC with HEX70SL-RX or HEX11WP-RX
PRO-OUT4HTCS	70m	12v	YES	✓	✓	✓	✓					Can use HEX70CS-RX where under 40m of CAT. No CSC with HEX70SL-RX or HEX11WP-RX
PRO-OUT2TL-V2	40m	12v	YES	✓	✓	✓						No CSC with HEX70SL-RX or HEX11WP-RX
PRO-OUT4TL-V2	40m	12v	YES	✓	✓	✓						No CSC with HEX70SL-RX or HEX11WP-RX
PRO-OUT4TLS-V2	40m	12v	YES	✓	✓	✓						No CSC with HEX70SL-RX or HEX11WP-RX
PLA88CS	100m	24v	YES					✓		✓		Use RX150CS for all features. RX70CS for 40m @ 4K distance, IR, RS-232 and ARC
HMX44-18G-KIT	100m	24v	YES								✓	Kit supplied with 4x RX18G receivers. CAT6A required
HMX88-18G	100m	24v	YES								✓	CAT6A required
HSP14CS	40m	12v	NO	✓		✓						Can use HEX70SL-RX where 18Gbps not required
HEX11WP-TX	40m	12v	NO	✓	✓		✓	✓				Use HEX70CS-RX or RX70CS if RS-232 pass-through required
HEX31WP-TX	40m	12v	NO	✓	✓		✓	✓				Use HEX70CS-RX or RX70CS if RS-232 pass-through required
SW41HDBT	40m	12v	YES	✓	✓			✓				Use RX70CS if 18Gbps CSC or RS-232 pass-through required

✓ Indicates the recommended Blustream HDBaseT receiver/s

✓ Indicates compatible Blustream HDBaseT receiver/s

	HDBaseT input distance at 4K	PoC from HDBaseT input	PoC be disabled on input	HEX70SL-TX (12v)	HEX11WP-TX (12v - 24v)	HEX31WP-TX (12v - 24v)	HEX70CS-TX (12v)	TX150CS (12v - 24v)	
PLA88CS	100m	24v	YES		✓	✓		✓	
PRO-IN2H2TCS	70m	NO	n/a				✓		HDBaseT input card does not provide PoC to the Transmitter unit
SW41HDBT	40m	12v	YES	✓	✓	✓			Auto-switching capabilities can be used with HEX31WP-TX

✓ Indicates the recommended Blustream HDBaseT transmitter/s

✓ Indicates compatible Blustream HDBaseT transmitter/s

Please note: standard interoperability of the Valens IC for HDBaseT will mean that most HDBaseT transmitter and receiver equipment can be connected to obtain HDMI signals up to 10.2Gbps (4K 60Hz 4:2:0 / 4K 30Hz 4:4:4), embedded audio, InfraRed, and RS-232 pass-through.

Colour Space Conversion (CSC) is a protocol Blustream implements to allow for 18Gbps signals to be supported over the standard 8Gbps link in HDBaseT Specifications 1.0 and 2.0 - this will not be interoperable with other manufacturers equipment.

Blustream uses PoC (Power over Cable) which is not the standard format for power in HDBaseT (PoH). Using a power scheme not compatible, or differing PoC voltages when mixing products, can lead to product failure and damage to equipment. The PoC voltages of Blustream equipment are all listed in the above table.

The Blustream EX40B and CEX4K extenders do not feature HDBaseT technology and are not compatible with any other Blustream products.