

MaxColor™ 4K60 Series 2 Receiver

MC-RX2

Just Add
Power
AV over IP Solutions

4K60 Receiver with KVM Support, Audio Return Channel & Fiber Port Connection

The MaxColor™ 4K60 Series 2 Receiver includes everything you love about the MaxColor Series 1 Receiver, but now with KVM support, audio return channel (ARC), and a fiber port connection. The MC-RX2 Receiver natively support 4K60Hz in and out, allowing end users to play High Dynamic Range video, including Dolby Vision and HDR10+ formats, using the growing number of Ultra 4K sources and devices. With MaxColor Series 2, 4K60/4:4:4/36-bit color video can be distributed over a 1Gb managed network using existing CatX (Cat5e minimum) cable, or over 10g fiber cable, so that you can take advantage of using the cable that best fits your project.

The new ARC feature allows you to easily send audio from a TV connected to a MaxColor 2 Receiver and send the audio across the network to another MaxColor 2 Receiver connected to an audio video receiver or another ARC enabled amplifier - making project design even easier and more flexible.

Use MaxColor 4K60 Transmitters and Receivers to create your new system, or bridge them to a system with 3G Ultra models to support a variety of source and screen formats.



Features

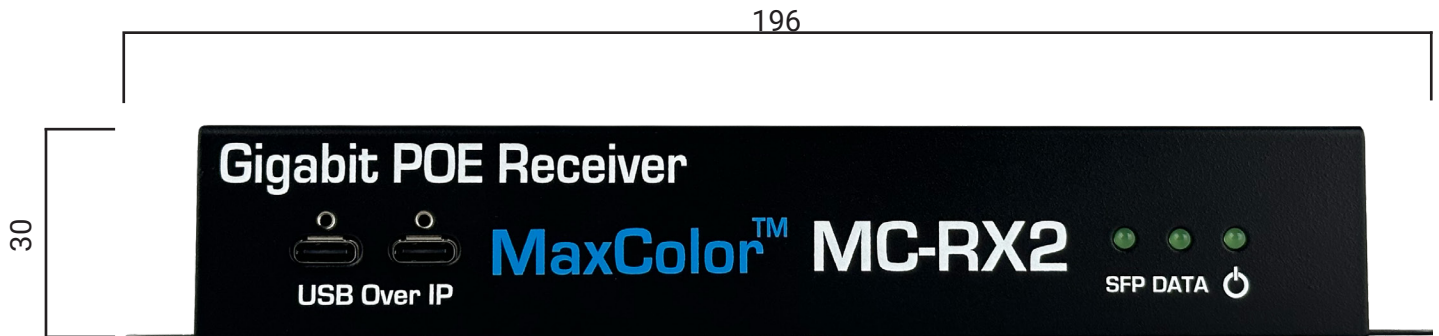
Audio	Supports all lossless audio formats Audio Return Channel (ARC)	Image Push	Load a custom default image or logo for when no source is displayed onscreen
Color Depth	Supports deep color up to 36-bit	KVM Support	Provides local and remote access to all computers on the system with built-in keyboard, mouse, touchscreen, and webcam interface
HDR Support	HDR10, HDR10+, HLG, Dolby Vision, and SDR	Scalability	Fully compatible with all MaxColor products. Can run parallel and or be bridged with all 3G Ultra models Bridging requires additional hardware
Integrated Endpoint Control	Control endpoints with CEC, IR, RS232	Supported Resolution	Computer and video resolution 4K60 @ 4:4:4
Image Pop	Display a custom logo or message as an overlay on any active screen	Video Wall	Video wall support <small>May require free firmware update</small>
Image Pull	Preview an image from any source or display, in any web browser or control system, at up to 30 fps		

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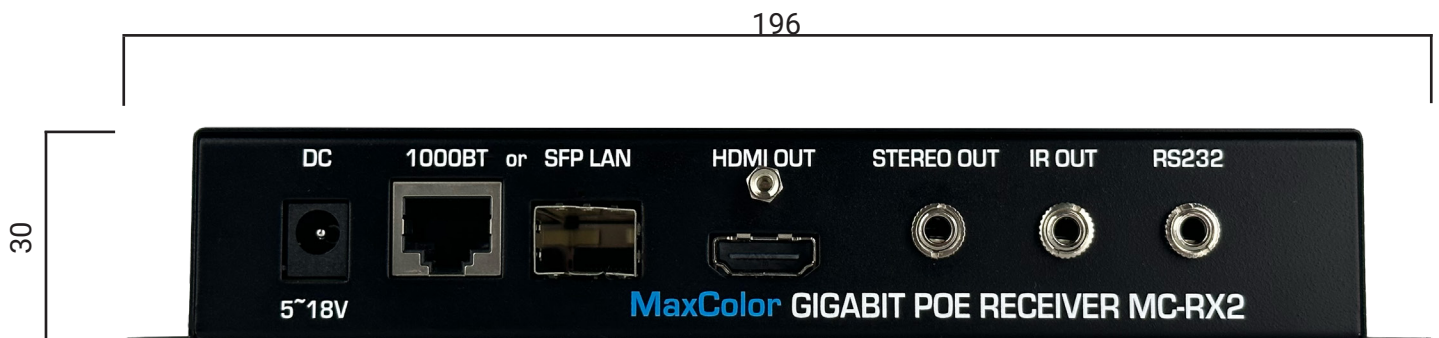
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Front of Device:



All measurements in millimeters (mm)

Back of Device:



All measurements in millimeters (mm)

Specifications

Bandwidth	850 Mbps	POE	802.3af (standard) 15 watts maximum
Compliance	FCC/CE/ROHS Compliant	Ports	1x RJ45 (1GbE Gigabit Ethernet LAN) 1x Shared SFP (1 GbE Gigabit Ethernet LAN) 1x HDMI Output 3x 3.5mm (Stereo Out, IR Out, 2-Way RS232) 1x USB 2.0 Type-C
Dimensions & Weight	196x30x131 mm 1-lb/0.45-kg	Power Supply (not included)	DC5~18V, 15W 5.5mm/2.1mm, positive tip
Encryption	AES256 Hardware Based Crypto Engine HDCP 2.2/2.3	Supported Audio & Video	Audio: Up to Dolby Atmos, DTS:X, HD/HBR Audio, 12-channel LPCM Video: Up to 4K60 with 36-bit color YCbCr444/422/420, RGB444, ICtCp444 HDR10, HDR10+, HLG, Dolby Vision, SDR
Operating Temp	0-60 °C / 32-140 °F		

MaxColor™ 4K60

Product Line Specifications

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Specifications

Encoding/Decoding

Video Codec	AGIC-G3 Proprietary Visually Lossless Video Codec
Audio Codec	Proprietary I2S Lossless Audio Codec
Bit Rates	850 Mbps
Latency	Ultra-low latency 16ms @ 4K60 & 1080p60 33ms @ 4K30
Streaming Protocols	IP, UDP, TCP, ICMP, IGMP, MPJEG
Copy Protection	HDCP 2.2 & 2.3 , AES-256 Encryption

Video

Maximum Resolutions	High Dynamic Range HDR10+ and Dolby Vision 4K60 4:4:4 HDR 12-bit 4K30 4:4:4 HDR 12-bit 1080p60 4:4:4 HDR 12-bit
Input Signal Types (Encoder)	HDMI
Output Signal Types	HDMI
Scaler (Decoder)	720p up to 4K30 with many options inbetween

Audio

Input Signal Types	HDMI
Output Signal Types	HDMI, Analog Stereo
Digital Formats	Dolby Atmos, DTS:X, Dolby TrueHD, DTS-HD, Dolby Digital, Dolby Pro Logic, DTS, LPCM up to 8 channels
Analog Formats	Stereo 2-channel up to 192 kHz
Audio Return Channel	ARC

Power

Power Consumption	10 watts maximum
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Compliance

CE, FCC, RoHS

Communication & Control of External Devices

Ethernet	1Gb RJ-45 for control and AV Shared SFP for control and AV
USB	USB 2.0
Serial/RS-232	Bi-directional control and monitoring
HDMI	CEC, EDID (Transmitter)
Infrared (IR)	Native

Connectors

LAN	8-pin female RJ-45 1000Base-T SFP female POE (802.3af)
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HDMI Input	HDMI Type A female
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HDMI Outputs (Transmitter loopout & Receiver output)	HDMI Type A female
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RS232	3.5mm female
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Stereo Output	3.5mm female
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USB (Receiver)	USB Type-C female (x2)
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USB (Transmitter)	USB Type-C female (x1)
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Infrared (IR)	3.5mm female
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Environmental

Cooling	Convection / no fan (no moving parts)
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Temperature	0-60 C / 32-140 F
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Heat Dissipation	34 BTU/hr
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Acoustic Noise	0 dBA
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