

MaxColor™ 4K60 Series 1 Receiver

MC-RX1

Just Add
Power
AV over IP Solutions



The MaxColor™ 4K60 Series 1 Receiver natively supports 4K60 output, allowing you to view 4K UHD video on the growing number of 4K screens with no downscaling or subsampling. With MaxColor, 4K60/4:4:4/36-bit video can be distributed over a 1Gb managed network using existing Cat 5e/Cat 6 cable, eliminating the expense of upgrading to fiber and buying costly network switches.

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

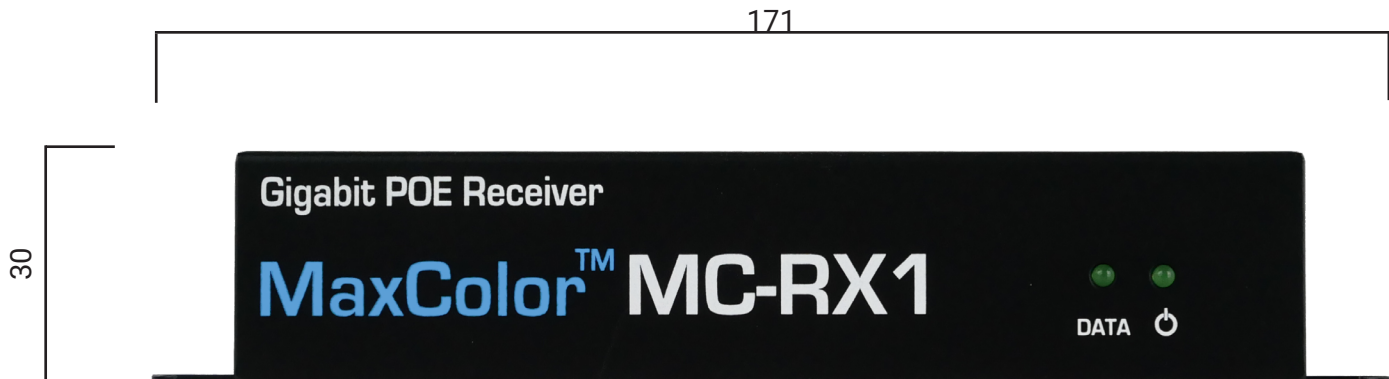
| | | | |
|------------------------------------|---|-----------------------------|--|
| Audio | Supports all lossless audio formats | Image Pull | Preview an image from any source or display, in any web browser or control system, at up to 30 fps |
| Color Depth | Supports deep color up to 36-bit | Image Push | Load a custom default image or logo for when no source is displayed onscreen |
| 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> |

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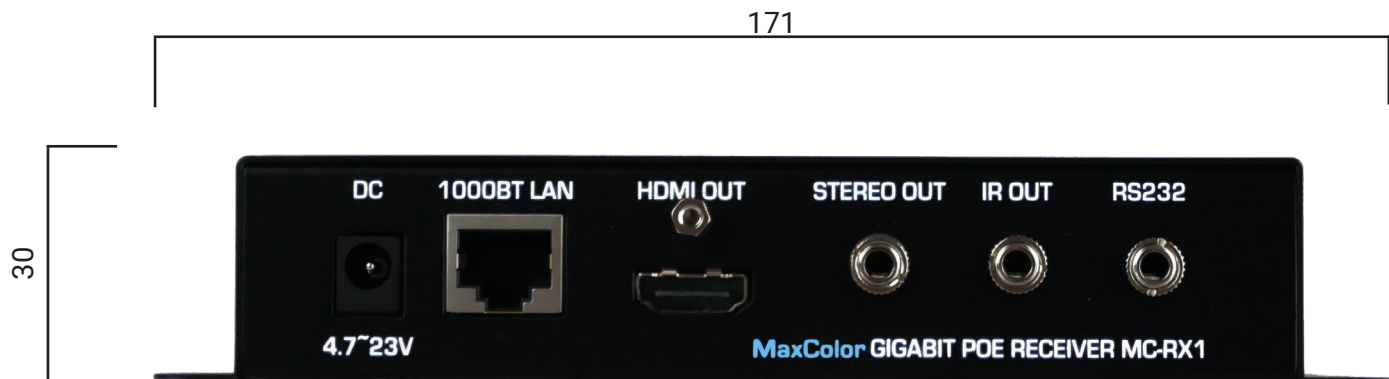
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Front of Device:



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 HDMI (Input-TX, RX-Output) 3x 3.5mm (Stereo Out, IR Out, 2-Way RS232) |
| Dimensions & Weight | 171x30x127 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

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|-------------------------------------|--|
| 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

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|-----------------------------|--|
| 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 |
|--------------------------|------------------|

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) |
| HDMI Input | HDMI Type A female |
| HDMI Outputs (Transmitter loopout & Receiver output) | HDMI Type A female |
| RS232 | 3.5mm female |
| Stereo Output | 3.5mm female |
| USB (Receiver) | USB Type-C female (x2) |
| USB (Transmitter) | USB Type-C female (x1) |
| Infrared (IR) | 3.5mm female |

Environmental

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