

MPC Media Presentation Controller M5

- > Wall mount 2-Series control system
- > 10 programmable buttons with LED feedback
- > Customizable backlit button labels
- > Built-in IR receiver
- > RS-232, IR, 2 input, & 2 relay control ports
- > 10/100 Ethernet
- > PoE network powered
- > Onboard e-Control® Web server
- > Fusion RV™ and SNMP remote management
- > SSL (Secure Sockets Layer) network protection
- > Easy setup via SystemBuilder™ software
- > Available in white or black
- > 2-gang wall box mountable

Crestron® MPC is a family of 2-Series control systems designed for installation in a wall or podium, delivering the industry's best multimedia room control technology in a convenient, space-saving design. Perfect for classrooms, meeting rooms, lecture halls, and training facilities, the MPC-M5 provides a fully-programmable user interface featuring an attractive and intuitive layout of pushbuttons with customizable backlit labeling and wireless remote capability.

Available in white or black, the MPC-M5 is constructed to handle the rigors of everyday use in a corporate or educational environment. An assortment of programmable control ports provides for interfacing with AV equipment, lighting, shades, screens, and other room devices. The onboard e-Control® Web server provides for complete integration as part of a facility-wide managed control network.

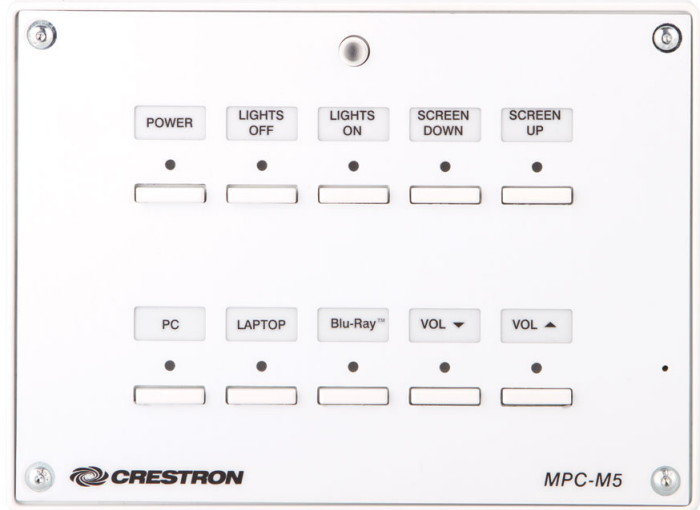
Control...Simplified

The MPC-M5 is engineered to be easy to integrate and use, yet versatile enough to suit each application perfectly. Its 10 programmable "hard key" buttons can be freely programmed for system power, input source selection, transport control, volume adjustment, lighting presets, and any other functions. Custom backlit labeling of the buttons is facilitated using an assortment of pre-printed labels or Crestron Engraver software.

Configuring a complete MPC media presentation control solution is simplified using Crestron [SystemBuilder™](#) software, allowing limitless programmability from the award-winning platform that's familiar to every Crestron dealer. The MPC Wizard included in SystemBuilder enables setup of a full-featured presentation system complete with lighting control and [Fusion RV™](#) remote management without requiring any programming. Uploading and updating a facility full of MPC systems is managed easily over the network, or individually via the front panel USB port.

Wireless Remote

A range of options is available for adding wireless remote control to the MPC system. Its built-in IR receiver allows the use of any Crestron or third-party IR wireless remote without requiring a separate receiver or gateway. For greater range and freedom of movement, MPC also supports



the complete line of Crestron RF wireless and Wi-Fi based [remotes](#) and [touch screens](#).

Built-in Control Ports

Through its onboard control ports, the MPC-M5 interfaces directly with the video display or projector, DVD player or TV receiver, projection screen, lift, occupancy sensors, and other devices in the room. In addition to high-speed Ethernet, there is a bidirectional RS-232 COM port, an IR/serial port, two relays, and two digital input ports right on the rear panel.

Ethernet and e-Control®

Standards based 10/100 Ethernet facilitates secure high-speed network connectivity, enabling extensive capabilities for remote system maintenance and control, and providing an interface to other Crestron control systems. The onboard Web server provides the foundation for Crestron exclusive e-Control Xpanel technology, providing secure IP-based remote control. SSL encryption prevents hackers from breaching the system and accessing its controls.

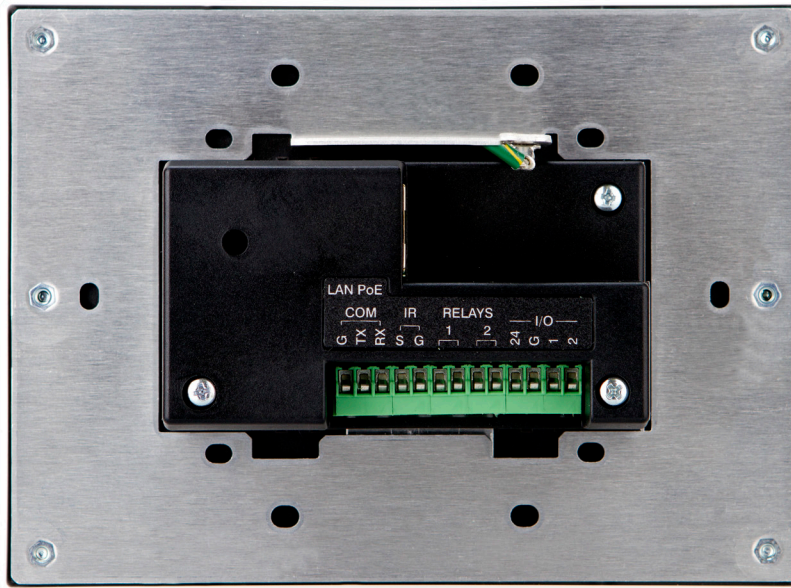
Power over Ethernet

Using 802.3af PoE technology, the MPC-M5 gets its operating power right through the LAN wiring. PoE (Power over Ethernet) eliminates the need for a local power supply or any dedicated power wiring. A PoE Injector ([PWE-4803RU^{\(1\)}](#)) simply connects in line with the LAN cable at a convenient location. Crestron PoE switches ([CEN-SW-POE-5](#) or [CEN-SW-POE-24^{\(1\)}](#)) may also be used to provide a total networking solution with built-in PoE.

Fusion RV™ and SNMP

As part of a complete managed network in a corporate enterprise, college campus, convention center or any other facility, the MPC-M5 works integrally with Crestron [Fusion RV](#) Remote Asset Management Software to enable remote scheduling, monitoring, and control of rooms and technology from a central help desk. Built-in SNMP support enables integration with third-party network management software, allowing control and monitoring in a format that's familiar to IT personnel.

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MPC-M5-W – Rear View

SPECIFICATIONS

Control Engine

Crestron® 2-Series; real-time, preemptive multi-threaded/multitasking kernel; FAT32 file system with long names

Memory

SDRAM: 32 MB

NVRAM: 256 KB

Flash: 8 MB

Communications

Ethernet: 10/100 Mbps; auto-switching; auto-negotiating; auto-discovery; full/half duplex; TCP/IP; UDP/IP; CIP; DHCP; Private Network Mode; SSL; SNMP; IPv4; SMTP e-mail client; Web Server; installer setup via Crestron Toolbox™; supports all e-Control®, Crestron Mobile®, Crestron Fusion™ and RoomView® applications, IEEE 802.3af PoE compliant

USB: USB service port for computer console

RS-232: 2-way device control and monitoring up to 115.2k baud with software handshaking

IR/Serial: 1-way device control via infrared up to 1.2 MHz or serial TTL/RS-232 (0-5 Volts) up to 115.2k baud

Connectors

LAN PoE: (1) 8-wire RJ45; 10Base-T/100Base-TX Ethernet port; 802.3af Power over Ethernet compliant

COM: (3) captive screw terminals; Bidirectional RS-232 port; Up to 115.2k baud; software handshaking only

IR: (2) captive screw terminals; IR/Serial output port; IR output up to 1.2 MHz; 1-way serial TTL/RS-232 (0-5 Volts) up to 115.2k baud

RELAYS 1 – 2: (4) captive screw terminals comprising (2) normally open, isolated relays; Rated 1 Amp, 30 Volts AC/DC; MOV arc suppression across contacts

I/O 1 – 2: (4) captive screw terminals comprising (2) programmable digital inputs; Supports sensing of contact-closures, voltage logic, and Crestron GLS Series occupancy sensors; Input Voltage Range: 0 to 24 Volts DC, referenced to GND; Logic Threshold: ≥ 3 Volts DC active/high, ≤ 1.8 Volt DC inactive/low; Input Impedance: 10k Ohms @ > 5 Volts, 1M Ohms @ < 5 Volts; Pull-up Resistor: 2.2k Ohms per input, always enabled; Pull-down Resistor: 2.5k Ohms per input, programmable, for use with GLS Series occupancy sensors; Maximum Power Output: 2 Watts (80 mA) @ 24 Volts DC, provides operating power for (2) Crestron GLS Series occupancy sensors

Computer: (1) Mini-USB Type B female (behind front cover); USB computer console port

Ground: (1) flying lead, chassis ground wire

Controls & Indicators

Hard Keys: (10) Programmable pushbuttons with backlit labeling

Feedback Indicators: (10) Programmable red LEDs (1 per hard key)

HW-R: (1) Recessed miniature pushbutton for hardware reset (reboots the processor)

SW-R: (1) Recessed miniature pushbutton (behind front cover) for software reset (restarts the SIMPL program)

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LAN PoE (rear): (2) green LEDs, bottom LED indicates Ethernet link status, top LED indicates Ethernet activity

IR Receiver

Reception Frequency: 36 to 38 kHz IR

Formats: Crestron format, RC5

Range: Up to 50 ft line of sight (typical), dependent upon angle, obstructions, IR interference, and IR remote signal strength

Power Requirements

Power over Ethernet: IEEE 802.3af Class 2 PoE Powered Device

Environmental

Temperature: 32° to 104°F (0° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Heat Dissipation: 14 BTU/hr

Enclosure

Faceplate: Plastic, textured, with polycarbonate label overlay

Chassis: Plastic with steel mounting plate

Mounting: Requires 2-gang plaster ring or electrical box (≥2.5 inch deep recommended)

Dimensions

Height: 4.50 in (115 mm)

Width: 6.10 in (155 mm)

Depth: 1.94 in (50 mm)

Weight

15.0 oz (424 g)

MODELS & ACCESSORIES

Available Models

MPC-M5-B-T: Media Presentation Controller M5, Black

MPC-M5-W: Media Presentation Controller M5, White

Available Accessories

MP/MPC/IPAC_FRONT_LABEL: Set of engravable backlit labels

PWE-4803RU: PoE Injector

CEN-SW-POE-5: 5-Port PoE Switch

CEN-SWPOE-24: 24-Port Managed PoE Switch

CNSP-XX: Custom Serial Interface Cable

IRP2: IR Emitter Probe w/Terminal Block Connector

GLS-ODT-C: Crestron Green Light® Dual-Technology Ceiling Mount Occupancy Sensors

GLS-ODT-W-1200: Crestron Green Light® Dual-Technology Wall Mount Occupancy Sensor, 1200 Sq. Ft.

GLS-OIR-C: Crestron Green Light® Passive Infrared Ceiling Mount Occupancy Sensors

GLS-OIR-W-2500: Crestron Green Light® Passive Infrared Wall Mount Occupancy Sensor, 2500 Sq. Ft.

CRESTRON-MOBILE-PRO: Crestron Mobile Pro® Control App for iPhone®, iPod touch®, and Android™; refer to the iTunes® App Store and Google Play™ for pricing and download

CRESTRON-MOBILE-PRO-G: Crestron Mobile Pro® G Control App for iPad®; refer to the iTunes® App Store for pricing and download

SW-FUSION-RV: Fusion RV™ Remote Asset Management Software

SW-ROOMVW-ENT: RoomView® Express - Remote Help Desk and Resource Management Software, Full License

CSP-LIR-USB: IR Learner

Notes:

1. Item(s) sold separately.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

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The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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