

MPC-M5

MPC Media Presentation Controller M5

- > Wall mount Crestron® 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
- > Crestron Fusion® and SNMP remote management
- > 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. 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. Ethernet connectivity allows for integration with [Crestron Fusion® Cloud](#) as part of a complete managed enterprise solution.

Control Simplified

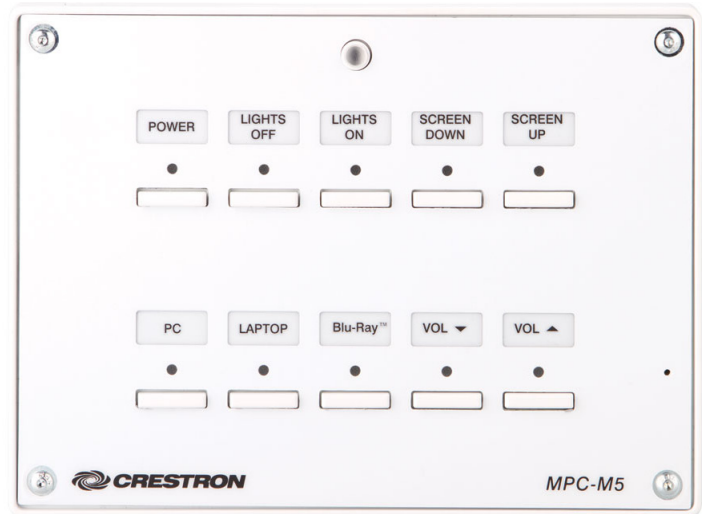
The MPC-M5 is engineered to be easy to integrate and use, yet versatile enough to suit each application perfectly. Its 10 programmable “hard key” buttons can be freely programmed for system power, input source selection, transport control, volume adjustment, lighting presets, and any other functions.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

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 remote that supports RC-5 commands. Adding a [CEN-GWEXER](#) wireless gateway enables support for Crestron infiNET EX® and ER [wireless remotes](#) and [touch screens](#).^[1]

Built-in Control Ports

Through its onboard control ports, the MPC-M5 interfaces directly with the video display or projector, 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.



Power over Ethernet

Using 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-SWPOE-16](#)^[1]) may also be used to provide a total networking solution with built-in PoE.

Crestron Fusion® 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 Cloud](#) 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.

SPECIFICATIONS

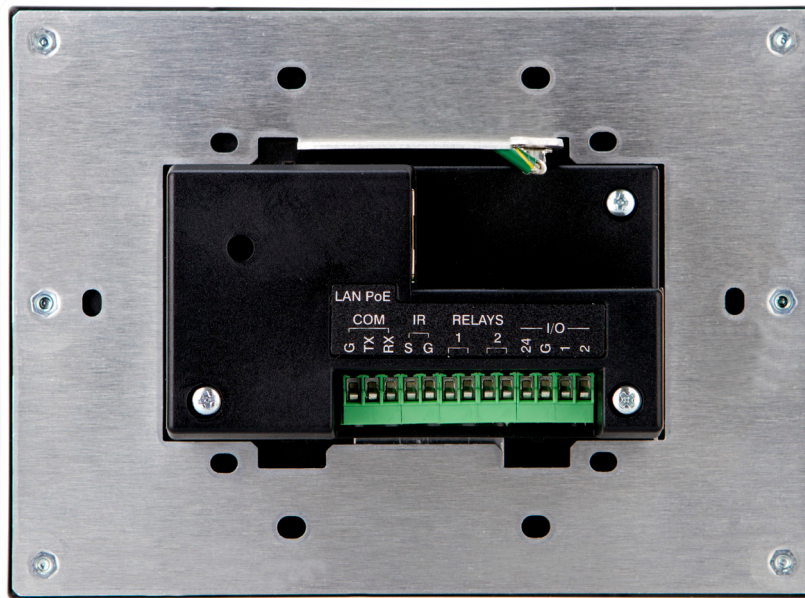
Control Engine

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

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MPC-M5-W – Rear View

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, IEEE 802.3af & 802.3at Type 1 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-pin RJ45, female;
10Base-T/100Base-TX Ethernet port;
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;
Comprises (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;
Comprises (2) programmable digital inputs;
Supports sensing of contact-closures, voltage logic, and Crestron GLS Series “NS type” 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 pushbutton for hardware reset (reboots the processor)

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

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

IR Receiver

IR 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 802.3at Type 1 (802.3af compatible) Class 2 (6.49 Watts) PoE Powered Device

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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 a 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-16: 16-Port Managed PoE Switch

CNSP-XX: Custom Serial Interface Cable

IRP2: IR Emitter Probe w/Terminal Block Connector

GLS-ODT-C-NS: Dual-Technology Ceiling Mount Occupancy Sensors

GLS-ODT-W-1200: Dual-Technology Wall Mount Occupancy Sensor

GLS-OIR-C-NS: Passive Infrared Ceiling Mount Occupancy Sensors

GLS-OIR-W-2500: Passive Infrared Wall Mount Occupancy Sensor

Crestron Fusion®: Enterprise Management Platform

Crestron® App: Control App for Apple® iOS® and Android™

XPanel: Crestron Control® for Computers

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.

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

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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