

MPC-M5

MPC Media Presentation Controller™ M5

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 connectivity for audio, video, and lighting equipment. 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 **RoomView®** 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 use of any Crestron IR wireless touchpanel or handheld remote without requiring a separate receiver or gateway. For greater range and freedom of movement, MPC also supports Crestron RF wireless and WiFi based products.

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 sensor input ports right on the rear panel.

Ethernet and e-Control®2

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 2** Xpanel technology, providing secure IP-based remote control. SSL encryption prevents hackers from breaching the system and accessing its controls.

RoomView® and SNMP

The MPC-M5 communicates directly with Crestron exclusive **RoomView** help desk software, the industry's most comprehensive facility-wide solution for remote monitoring and asset management. Built-in SNMP support also



full control and monitoring from the IT Help Desk or NOC in a format that's familiar to IT personnel.

> [Wall mount 2-Series Ethernet 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](#)

> [RoomView® and SNMP remote management](#)

> [SSL \(Secure Sockets Layer\) network protection](#)

> [Setup via SystemBuilder™ software](#)

> [Rugged construction](#)

> [Available in white or black](#)

> [2-gang wall-mountable](#)

SPECIFICATIONS

Processor

CPU: 32-bit Freescale ColdFire® Microprocessor

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Memory

SDRAM: 32 MB
NVRAM: 256 KB
Flash: 8 MB

Operating System

Real-time, preemptive multi-threaded/multitasking kernel; FAT32 file system with long names; supports **SIMPL™ Windows** and **SIMPL+®**

Ethernet

10BaseT/100BaseTX, auto-negotiating, full/half duplex, static IP or DHCP, DNS, SSL, TCP/IP, UDP/IP, CIP, SMTP, SNMP, built-in Web server and e-mail client; supports Crestron **e-Control@2 XPanel** and **RoomView®** applications, IEEE 802.3af compliant

Connectors

LAN PoE: (1) 8-wire RJ45 with 2 LED indicators;
10BaseT/100BaseTX Ethernet port, 802.3af Power over Ethernet compliant;
Bottom green LED indicates link status;
Top green LED indicates Ethernet activity
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) contact-closure or voltage-logic sensing inputs (referenced to GND) with 24 Volt DC power output;
Input Voltage Range: 0-26 Volts DC;
Logic Threshold: ≥ 2.8 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;
Pull-down Resistor: 2.5k Ohms per input, programmable;
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 1.1 computer console port
Ground: (1) flying lead, chassis ground wire

Controls and 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)

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: High-impact plastic, black or white, with polycarbonate label overlay
Chassis: Injection-molded plastic with steel mounting plate
Mounting: Requires 2-gang plaster ring or electrical box (ü2.5 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)

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_ENGRAVED-B-T: Custom Engravable Backlit Labels, Black
MP/MPC/IPAC_FRONT_LABEL_ENGRAVED-W: Custom Engravable Backlit Labels, White
PWE-4803RU: PoE Injector
CEN-SW-POE-5: 5-Port PoE Switch
CNSP-XX: Custom Serial Interface Cable
IRP2: IR Emitter Probe w/Terminal Block Connector
GLS-ODT-C-500: Crestron Green Light™ Dual-Technology Ceiling Mount Occupancy Sensor, 500 Sq. Ft.
GLS-ODT-C-1000: Crestron Green Light™ Dual-Technology Ceiling Mount Occupancy Sensor, 1000 Sq. Ft.
GLS-ODT-C-2000: Crestron Green Light™ Dual-Technology Ceiling Mount Occupancy Sensor, 2000 Sq. Ft.
GLS-ODT-W-1200: Crestron Green Light™ Dual-Technology Wall Mount Occupancy Sensor, 1200 Sq. Ft.
GLS-OIR-C-450: Crestron Green Light™ Passive Infrared Ceiling Mount Occupancy Sensor, 450 Sq. Ft.
GLS-OIR-C-1500: Crestron Green Light™ Passive Infrared Ceiling Mount Occupancy Sensor, 1500 Sq. Ft.
GLS-OIR-W-2500: Crestron Green Light™ Passive Infrared Wall Mount Occupancy Sensor, 2500 Sq. Ft.
MP-WP100-B: Media Presentation Wall Plate - RCA Composite Video w/RCA Stereo Audio, Black
MP-WP100-W: Media Presentation Wall Plate - RCA Composite Video w/RCA Stereo Audio, White
MP-WP110-B: Media Presentation Wall Plate - Mini-DIN S-Video w/RCA Stereo Audio, Black
MP-WP110-W: Media Presentation Wall Plate - Mini-DIN S-Video w/RCA Stereo Audio, White
MP-WP120-B: Media Presentation Wall Plate - RCA Component Video w/RCA Stereo Audio, Black
MP-WP120-W: Media Presentation Wall Plate - RCA Component Video w/RCA Stereo Audio, White
MP-WP125-B: Media Presentation Wall Plate - RCA Component & Composite Video w/2x RCA Stereo Audio, Black
MP-WP125-W: Media Presentation Wall Plate - RCA Component & Composite Video w/2x RCA Stereo Audio, White
MP-WP130-B: Media Presentation Wall Plate - DB15HD Computer VGA w/ Mini-TRS Stereo Audio, Bulkhead, Black

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- MP-WP130-W:** Media Presentation Wall Plate - DB15HD Computer VGA w/Mini-TRS Stereo Audio, Bulkhead, White
- MP-WP131-B:** Media Presentation Wall Plate - DB15HD Computer VGA w/Mini-TRS Stereo Audio, Breakout, Black
- MP-WP131-W:** Media Presentation Wall Plate - DB15HD Computer VGA w/Mini-TRS Stereo Audio, Breakout, White
- MP-WP140-B:** Media Presentation Wall Plate - DVI-I w/Mini-TRS Stereo Audio, Black
- MP-WP140-W:** Media Presentation Wall Plate - DVI-I w/Mini-TRS Stereo Audio, White
- MP-WP150-B:** Media Presentation Wall Plate - HDMI™ w/Mini-TRS Stereo Audio, Black
- MP-WP150-W:** Media Presentation Wall Plate - HDMI™ w/Mini-TRS Stereo Audio, White
- MP-WP152-B:** Media Presentation Wall Plate - HDMI™, Black
- MP-WP152-W:** Media Presentation Wall Plate - HDMI™, White
- MP-WP160-B:** Media Presentation Wall Plate - DisplayPort w/Mini-TRS Stereo Audio, Black
- MP-WP160-W:** Media Presentation Wall Plate - DisplayPort w/Mini-TRS Stereo Audio, White
- MP-WP162-B:** Media Presentation Wall Plate - DisplayPort, Black
- MP-WP162-W:** Media Presentation Wall Plate - DisplayPort, White
- MP-WP180-B:** Media Presentation Wall Plate - QuickMedia®, Black
- MP-WP180-W:** Media Presentation Wall Plate - QuickMedia®, White
- MP-WP185-B:** Media Presentation Wall Plate - DigitalMedia™ CAT, Black
- MP-WP185-W:** Media Presentation Wall Plate - DigitalMedia™ CAT, White
- MP-WP186-B:** Media Presentation Wall Plate - DigitalMedia™ Fiber, Black
- MP-WP186-W:** Media Presentation Wall Plate - DigitalMedia™ Fiber, White
- MP-WP190-B:** Media Presentation Wall Plate - Cresnet®, Black
- MP-WP190-W:** Media Presentation Wall Plate - Cresnet®, White
- MP-AMP30:** Media Presentation Audio Amplifier
- SW-ROOMVW-ENT:** RoomView® Express - Remote Help Desk and Resource Management Software
- SW-ROOMVW-SERVER:** RoomView® Server Edition - Enterprise Management and Scheduling Software



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