The MP-B10 is an enhanced pushbutton control panel designed for installation in a wall or podium. It is ideal for expanding a Crestron MPC Media Presentation Controller™, or as a cost-effective user interface for a MPS Multimedia Presentation System or any other Crestron system. Available in white or black, the MP-B10 is constructed to handle the rigors of everyday use in a typical classroom, meeting room, lecture hall, or training facility.

Its 10 programmable “hard key” buttons can be freely programmed for any function such as system power, input source selection, transport control, and lighting presets. Custom backlit labeling of the buttons is facilitated using an assortment of pre-printed labels or Crestron Engraver software. Adjusting audio volume and other parameters is enabled using the continuous-turn control knob and LED bargraph.

A built-in IR receiver provides a gateway for Crestron IR wireless touchpanels and handheld remotes. A light sensor is also included, programmable for controlling the MP-B10’s backlight intensity, or for providing ambient lighting level data to the control system for other applications. The MP-B10 may be powered through the network wiring using either Cresnet or PoE (Power-over-Ethernet), requiring just one wire for operation.

### Controls and Indicators
- **Hard Keys:** (10) Programmable pushbuttons with backlit labeling
- **Feedback Indicators:** (10) Programmable red LEDs (1 per hard key)
- **VOLUME:** (1) Programmable continuous turn rotary encoder
- **Bargraph:** (1) Programmable red 5-segment LED bargraph
- **HW-R:** (1) Recessed miniature pushbutton for hardware reset
- **SETUP:** (1) Recessed miniature pushbutton for setting up connection with the control system via Cresnet or Ethernet

### Light Sensor
Photosensor, programmable for auto-dimming of front panel labeling and other functions

### 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
- **Cresnet Power Usage:** 4 Watts (0.17 Amps @ 24 Volts DC)
- **Power over Ethernet:** IEEE 802.3af Class 2 PoE Powered Device
  - Note: If both PoE and Cresnet power are connected, power will be drawn from Cresnet.

### 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

---

**SPECIFICATIONS**

### Ethernet
10BaseT/100BaseTX, static IP or DHCP, DNS, full duplex, auto-switching, auto-negotiating, auto-discovery, TCP/IP, UDP/IP, CIP, IEEE 802.3u & 802.3af compliant

### Connectors
- **NET:** (2) sets of (4) captive screw terminals;
  - Cresnet slave port with parallel pass-thru
- **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
- **Computer:** (1) USB Type B female (behind front cover);
  - USB 1.1 computer console port for firmware upgrade
- **Ground:** (1) flying lead, chassis ground wire
**Mounting:** Requires 3-gang plaster ring or electrical box (&ge;2 inch deep recommended)

**Dimensions**

- **Height:** 4.50 in (11.43 cm)
- **Width:** 6.70 in (17.02 cm)
- **Depth:** 2.23 in (5.67 cm)

**Weight**

- 17 oz (475 g)

**Available Models**

- **MP-B10-B-T:** Media Presentation Button Panel B10, Black
- **MP-B10-W:** Media Presentation Button Panel B10, 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
- **TTK-MP/MPC/IPAC-B-T:** Table Mount Kit, Black
- **TTK-MP/MPC/IPAC-W:** Table Mount Kit, White
- **SMK-MP/MPC/IPAC:** Swivel Mount Kit
- **PWE-4803RU:** PoE Injector
- **CEN-SW-POE-5:** 5-Port PoE Switch
- **CRESNET-NP-BK-B500:** Cresnet® Control Cable, non-plenum, black, 500 ft box
- **CRESNET-NP-BK-SP500:** Cresnet® Control Cable, non-plenum, black, 500 ft spool
- **CRESNET-NP-OR-B500:** Cresnet® Control Cable, non-plenum, orange, 500 ft box
- **CRESNET-NP-OR-SP500:** Cresnet® Control Cable, non-plenum, orange, 500 ft spool
- **CRESNET-NP-YL-B500:** Cresnet® Control Cable, non-plenum, yellow, 500 ft box
- **CRESNET-NP-YL-SP500:** Cresnet® Control Cable, non-plenum, yellow, 500 ft spool
- **CRESNET-NP-TL-B250:** Cresnet® Control Cable, non-plenum, teal, 250 ft box
- **CRESNET-NP-TL-SP500:** Cresnet® Control Cable, non-plenum, teal, 500 ft spool
- **CRESNET-NP-TL-SP1000:** Cresnet® Control Cable, non-plenum, teal, 1000 ft spool
- **CRESNET-P-BK-SP500:** Cresnet® Control Cable, plenum, black, 500 ft spool
- **CRESNET-P-OR-SP500:** Cresnet® Control Cable, plenum, orange, 500 ft spool
- **CRESNET-P-YL-SP500:** Cresnet® Control Cable, plenum, yellow, 500 ft spool
- **CRESNET-P-TL-SP500:** Cresnet® Control Cable, plenum, teal, 500 ft spool
- **CRESNET-P-TL-SP1000:** Cresnet® Control Cable, plenum, teal, 1000 ft spool
- **CRESNET-HP-NP-TL-SP500:** Cresnet® "High-Power" Control Cable, non-plenum, teal, 500 ft spool
- **CRESNET-HP-NP-TL-SP1000:** Cresnet® "High-Power" Control Cable, non-plenum, teal, 1000 ft spool