MP-B10

Media Presentation Button Panel B10

> *Wall mount pushbutton control panel*

> *No programming required with select .AV Framework™ enabled switchers*

> *10 programmable buttons with LED feedback*

> *Customizable backlit button labels*

> *Volume control knob and LED bargraph*

> *Built-in IR receiver and light sensor*

> *High-speed Ethernet or Cresnet® communications*

> *PoE or Cresnet network powered*

> *3-gang wall box-mountable*

The MP-B10 is an enhanced pushbutton control panel designed for installation in a wall or podium. It can be used with any Crestron® control system or presentation switcher, and it provides a perfect complement to any Crestron MPC Media Presentation Controller. 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 "hard key" buttons can be custom programmed to control any function, such as system power, input source selection, and lighting presets. Audio volume and other parameters are adjustable using the control knob and LED bargraph. Custom backlit labeling of each button is facilitated using an assortment of pre-printed labels or Crestron Engraver software.

A built-in IR receiver provides a gateway for RC-5 and Crestron compatible IR wireless remotes. An ambient light sensor is also included, which may be programmed to control the MP-B10's backlight intensity and other customer functions. The MP-B10 can be powered through the network wiring using either Cresnet® or PoE (Power over Ethernet), requiring just one wire for operation.

SPECIFICATIONS

Communications

Ethernet: 10/100 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, DHCP, IEEE 802.3af and 802.3at Type 1 compliant
Cresnet®: Cresnet slave mode
USB: USB 1.1 device port for computer console (firmware update)
IR: Built-in RC-5 compatible IR receiver

Connectors

NET: (2) sets of (4) captive screw terminals;
Cresnet slave port with parallel pass-through

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

Computer: (1) USB Type B, female (behind front cover);
USB 1.1 computer console port for firmware update

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)
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 (behind front cover) for setting up connection with the control system via Cresnet or Ethernet
LAN PoE (rear): (2) green LEDs, bottom LED indicates link status, top LED indicates Ethernet activity

Light Sensor

Photosensor, programmable for auto-dimming of the backlight and other functions

IR Receiver

Reception Frequency: 36 to 38 kHz IR
Formats: Crestron format, RC-5
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 802.3at Type 1 (802.3af compatible) Class 2 (6.49W) 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)

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Heat Dissipation: 14 BTU/hr

Enclosure

Faceplate: Plastic, black or white, with polycarbonate label overlay
Chassis: Plastic with metal mounting plate
Mounting: Mounts in a 3-gang electrical box or mud ring, 2 inch (51 mm) or greater mounting depth recommended

Dimensions

Height: 4.50 in (115 mm)
Width: 6.70 in (171 mm)
Depth: 2.23 in (57 mm)

Weight

17 oz (475 g)

MODELS & ACCESSORIES

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: Custom Engravable Backlit Labels
TTK-MP/MPC/IPAC: Table Mount Kit
SMK-MP/MPC/IPAC: Swivel Mount Kit
PWE-4803RU: PoE Injector
CEN-SW-POE-5: 5-Port PoE Switch
CEN-SWPOE-16: 16-Port Managed PoE Switch
CRESNET-NP: Cresnet® Control Cable, Non-Plenum
CRESNET-P: Cresnet® Control Cable, Plenum-Rated
CRESNET-HP-NP: Cresnet® "High-Power" Control Cable, non-plenum

Notes:

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.

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MP-B10-W — Shown in White

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