

onCue® Basic Presentation Controller

- > Ultra-affordable control for a single display device
- > Also allows control of source components and other devices
- > Compact design mounts in a single-gang wall box
- > Affords an attractive and professional appearance
- > Features large backlit buttons for easy control in any room
- > Affords super-intuitive operation for any user
- > Includes interchangeable button caps for flexible configuration
- > Allows customizable LED button feedback behavior
- > Supports up to 3 IR and 1 RS-232 devices^[2]
- > Includes built-in IR library for simple out-of-the-box setup
- > Allows advanced configuration via easy-to-use software and IR learner/programmer^[3]
- > Macros enable sophisticated functionality from a single button press
- > Enables user passcode protection and automatic projector shutdown

Simple, reliable control meets extreme affordability in the onCue® Basic Presentation Controller from Crestron®. Ideal for K-12 primary education classrooms and small meeting rooms, onCue provides a compact wall mount keypad controller (BPC-8) with eight assignable buttons for controlling a single projector, flat screen display, or source device. Crestron onCue can even be configured to control a complete room presentation system equipped with a display device, a motorized screen or lift, and a controllable source such as a DVD player.

Always Ready — Easy to Use

Stop searching for lost remotes and constantly replacing batteries just to turn on the projector. Mounted on the wall or in a lectern, onCue is always at the ready, affording straight-forward operation through large, easy-to-read backlit buttons. A selection of pre-labeled buttons provides for control of power, source selection, and volume control, and all eight buttons are interchangeable to suit the application, delivering a customizable control solution that is immediately intuitive to every user. With onCue, every room in your facility can be set up for identical operation, so even if the display equipment varies from room to room, the user experience remains consistent.

Super Simple Installation

The onCue BPC-8 controller mounts conveniently in a single-gang electrical box or mud ring. A single 4-conductor cable^[1] links the BPC-8 to its companion interface module (BPC-8-IMC included), which may be installed anywhere up to 50 ft away. The tiny module typically installs at the display location, providing connectivity for up to three IR-controlled devices, one RS-232 controlled device, and an AC power pack.^[2]

The BPC-8 ships with the interface module, power pack, one IR emitter, and a set of 13 interchangeable button caps. Just add the 4-conductor link cable^[1] and you've got everything you need to control a typical projector or flat panel display. Additional IR emitters, an RS-232 cable, and an alternate set of buttons for controlling a source device, are also available separately. Custom labeled buttons may also be ordered.



Built-In Library

Configuring onCue to control a single display device is a simple two step process. Just find your display in the list provided, and enter its designated code using the BPC-8 keypad. That's it. The buttons come pre-configured out of the box, ready for controlling your display's power, volume, mute, and source select functions.

Easy Learning and More

Your onCue system can easily graduate to a higher level of control using the optional onCue software tool and BPC-HPLIR IR Learner & Programmer.^[3] With full access to the vast Crestron Database of IR devices, and the ability to learn IR commands from virtually any third-party IR remote, installers can easily assign any command to any button and enable control of multiple devices. The software tool also enables the entry of serial commands to support device control via 1-way RS-232.^[2]

Macro Magic

Even better, the software tool enables the creation of sophisticated macros, allowing onCue to send multiple commands to multiple devices with a single button press. Using macros, it can be possible to simultaneously select a source, turn on the projector, and lower the projection screen with one button. Or, use one button to "click" through the available sources one-by-one. A single macro can consist of up to 5 separate commands, with the ability to define a time delay or "wait for next button press" between each one.

LED Feedback

Each button on the BPC-8 keypad controller includes a red LED to provide users with extra assurance behind every button press. Out of the box, these LEDs illuminate momentarily when the associated button is pressed. Using the software tool, the LED behavior can be customized to support toggle feedback (LED latches on and off with each successive button press), and interlock grouping. Interlock feedback is ideal for use with discrete source selection buttons, and discrete on and off buttons, to indicate the last selected source or power state.

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Extra Safeguards

Additional capabilities include the options to enable passcode protection and auto-shutdown. Passcode protection prevents unauthorized use of the system by requiring the entry of a preset sequence of four button presses to enable operation. Auto-shutdown turns off the display device if no button is pressed within a preset amount of time, saving energy and preventing the premature failure of expensive projector lamps.^[4]

Uploads at the Speed of Light

After creating your custom configuration using the onCue software tool, simply use the handheld BPC-HPLIR IR Learner & Programmer^[3] to upload the configuration file to the BPC-8. The handheld BPC-HPLIR provides a convenient means for uploading a single configuration to any number of onCue controllers, requiring mere seconds to transfer the file via a simple optical cable. There's no need to remove the BPC-8 from the wall or even remove its faceplate, and one configuration can be used repeatedly for any number of identically equipped rooms, affording incredibly quick and easy setup of each room without any need to carry around a laptop.



BPC-8-IMC Interface Module (Included) – Rear, Top, and Front Views

SPECIFICATIONS

Device Support

The BPC-8 includes built-in drivers for controlling projectors made by the following manufacturers:

Acer®
BenQ™
DELL®
Epson®
InFocus®
Mitsubishi®
NEC®
Optoma™
Sony®

Additional manufacturers, models, device types, and functionality may be supported through custom configuration using the BPC-HPLIR IR Learner & Programmer, and the onCue Tool within Crestron Toolbox™ software.

Controls & Indicators

Hard Keys: (8) Assignable pushbuttons with interchangeable pre-labeled button caps, support macros

Supplied Button Caps: Set of 10 display control buttons labeled with icons for Power On, Power Off, Power Toggle, Volume Up, Volume Down, Mute, DVD Player, Generic Source, Computer 1, and Computer 2, plus set of 3 unlabeled

Optional Source Button Caps (sold separately): Set of 12 source control buttons labeled with icons for Play, Stop, Pause, Fast-Forward, Rewind, Next, Previous, Up, Down, Left, Right, and Crestron Swirl Logo

Optional Custom Button Caps (sold separately): Custom labeled buttons are available by ordering model B8-BTN Engravable Button Caps

Feedback Indicators: (8) Red LEDs (1 per hard key) for feedback, configurable for momentary, toggle, or interlock functionality

Backlight: Green LED backlight, fixed intensity, always on

Communications

RS-232: Supports 1-way device control up to 115.2k baud^[2], and supports 2-way computer console for firmware update

IR: Supports 1-way device control via infrared up to 455 kHz^[2]

Optical: Receives configuration file via IR from BPC-HPLIR

Connectors – BPC-8 Controller

BPC-8-IMC 12, T, R, G: (1) 4-pin 3.5 mm detachable terminal block; Connects to BPC-8-IMC Interface Module (included) via CBL-PWR-CTRL-P-TL-50 cable (sold separately)^[1]

IR Receiver: (1) IR receiver accessible through small drilled hole in side of faceplate; configuration file download link from BPC-HPLIR (sold separately)^[3]

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Connectors – BPC-8-IMC Interface Module

IR OUT 1 – 3: (3) 3.5 mm mini-phone jacks, IR output ports^[2];
IR output up to 455 kHz;
(1) STIRP IR Emitter Probe included

COM: (1) 3.5 mm TRS mini-phone jack, 1-way RS-232 control port^[2];
Serial output up to 115.2k baud;
Supports 2-way serial for computer console only (firmware update)

12VDC 0.5A: (1) 2.5 x 5.5 mm DC power connector;
12 Volt DC power input;
PW-1205 or PW-1205RU power pack included

BPC G, R, T, 12: (1) 4-pin 3.5 mm detachable terminal block;
Connects to BPC-8 Controller via CBL-PWR-CTRL-P-TL-50 cable (sold separately)^[1]

Power Requirements

Power Pack (US/North America): 120 Volts AC, 60 Hz (input); 0.5 Amps @ 12 Volts DC (output); model PW-1205 (included with model BPC-8)

Power Pack (International): 100-240 Volts AC, 50/60 Hz (input); 0.5 Amps @ 12 Volts DC (output); model PW-1205RU (included with model BPCI-8)

Note: Power connection made via BPC-8-IMC Interface Module (included)

Environmental

Temperature: 32° to 113° F (0° to 45° C)

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

Heat Dissipation: 2.5 BTU/hr

Enclosure

BPC-8 Controller: Plastic, white textured, 1-gang mountable in a standard electrical box, 1-gang faceplate included

BPC-8-IMC Interface Module: Metal with black finish, surface mount box with (2) integral mounting flanges

Dimensions

BPC-8 Controller (with faceplate): Height: 4.77 in (121 mm);
Width: 2.92 in (74 mm);
Depth: 1.54 in (39 mm)

BPC-8-IMC Interface Module: Height: 1.01 in (26 mm);
Width: 3.33 in (85 mm);
Depth: 1.71 in (44 mm)

Weight

BPC-8 Controller: 3.1 oz (86 g)

BPC-8-IMC Interface Module: 3.0 oz (86 g)

MODELS & ACCESSORIES

Available Models

BPC-8: onCue® Basic Presentation Controller, US/North America

BPCI-8: onCue® Basic Presentation Controller, International

Included Accessories

PW-1205: Power Pack, Wall, 12VDC, 0.5A, 120VAC (Qty. 1 included with BPC-8)

PW-1205RU: Power Pack, Wall, 12VDC, 0.5A, Regulated, Universal US/International (Qty. 1 included with BPCI-8)

STIRP: IR Emitter Probe w/3.5 mm Mini Phone Plug (Qty. 1 included with BPC-8 & BPCI-8)

Available Accessories

BPC-HPLIR: onCue® IR Learner & Programmer

BPC-8-BTNK-SRC: Source Control Button Caps for BPC-8, Set of 12

B8-BTN: Engravable Button Caps

CBL-PWR-CTRL-P-TL-50: 4-Conductor Link Cable for BPC-8, Plenum, 50 ft

CBL-SERIAL-DB9F: 3.5 mm TRS to DB9F RS-232 Control Cable

STIRP: IR Emitter Probe w/3.5 mm Mini Phone Plug

MP-AMP30: Media Presentation Audio Amplifier

FS6: 6.5" 2-Way Surface Mount Media Presentation Speakers

FSDI8: 8" Drop-in Ceiling Speakers

Notes:

1. For connection between the BPC-8 Controller and BPC-8-IMC Interface Module, use a **CBL-PWR-CTRL-P-TL-50** or equivalent 4-conductor cable (sold separately). **Cresnet®** Control Cable is an acceptable equivalent. The maximum length allowed is 50 ft (15 m). Do not connect to a Cresnet network or device, or to any other network or device.
2. If controlling multiple devices, each device must respond to a disparate command set. Controlling IR devices in combination with an RS-232 device is not recommended.
3. Item(s) sold separately.
4. To take advantage of the auto-shutdown feature, it is recommended that the display device support a discrete "power off" command.

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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