soundweb™
CONTRIO™

EC-8BV
ethernet controller
with 8 buttons and volume control





Overview

The Soundweb Contrio EC-8BV is an Ethernet wall controller for use in HARMAN HiQnet™ systems. The EC-8BV can control and monitor parameters within BSS Audio Soundweb London™ and other HiQnet™ devices, including Crown DriveCore™ Install Series amplifiers. The EC-8BV is available in black or white, and in dual-gang US decora or dual-gang EU form factor. The EC-8BV contains a single Ethernet port for configuration, control, monitoring, and power via PoE. The EC-8BV is configured via simple drag-and-drop operations within the software application HiQnet Audio Architect™.

The EC-8BV contains one push/rotary encoder, one encoder ring, eight buttons, and two LCD screens. The buttons, encoder ring, and LCD screens are multicolor backlit, capable of eight different colors with adjustable intensity.

The push/rotary encoder can be rotated for continuous parameter control (e.g. volume). The push/rotary encoder can also be pressed for binary parameter control (e.g. mute) or preset recall.

The encoder ring can display a bouncing audio meter. When the push/rotary encoder is rotated, the encoder ring can temporarily display a volume setting. When the push/rotary encoder is pressed, the encoder ring can temporarily display a binary parameter setting (e.g. red/green for muted/unmuted status).

The eight buttons can be pressed for binary parameter control (e.g. mute), preset recall, or source selection.

The two LCD screens each have a screen resolution of 64 x 128 pixels, and can each display custom text and graphics.

The EC-8BV supports 'sleep' functionality. After a specified amount of time with no user input, the EC-8BV can turn off all LEDs. This is useful to avoid distraction in a dimly lit environment. Any user interaction will 'wake up' the controller.

The EC-8BV can be remotely locked and unlocked via other control systems. The EC-8BV can be locally unlocked via a four-digit PIN entry on the buttons.

The EC-8BV supports multiple modes of operation. This allows the push/rotary encoder, encoder ring, and certain buttons to be reassigned dynamically to different parameters based on which buttons are selected.

Key Features

- Ethernet wall controller
- Compatible with Soundweb London, Crown DCi, and other HiQnet devices
- Available in black or white
- Available in US decora or EU version
- Dual-gang size
- PoE (Power Over Ethernet)
- Configured within Audio Architect via drag-and-drop
- 1 programmable push/rotary rncoder
- 1 programmable encoder ring (multicolored)
- 8 programmable buttons (multicolored)
- 2 programmable 64 x 128 pixel LCDs (multicolored)
- Sleep function
- Security:
  - remote lock/unlock
  - local unlock via PIN entry
- Multiple modes of operation

5 Modes of Operation

1 Zone Mode
8 assignable buttons and
single continuous / toggle control

4 Zone Mode
4 banks of 4 assignable buttons
and continuous / toggle controls

8 Zone Mode
8 banks of continuous / toggle controls

4 by 4 Zone Mode
4 x 4 = 16 continuous / toggle controls

Hybrid Mode
Mix of 4 Zone Mode and 4 by 4 Zone Mode

Simple & Affordable Cabling

The EC-8BV is an Ethernet device, powered via PoE (Power over Ethernet). This means that power and control is passed over a single connected Cat 5e cable.

HiQnet Compatiblity

In addition to being able to control Soundweb London parameters, the EC-8BV is able to control other HiQnet devices, including the Crown DriveCore Install Series amplifiers.

Sleep Function

After a specified amount of time with no user input, the EC-8BV can turn off all LEDs. This is useful to avoid distraction in a dimly lit environment. Any user interaction will 'wake up' the controller.

Multicolored Feedback

The EC-8BV has 8 multicolored buttons, 8 corresponding multicolored screen positions and a multicolored encoder ring. 8 unique colors (red, yellow, green, cyan, blue, magenta, white and amber) can be used to signify different zones and their associated parameters. The maximum intensity of the LEDs can be adjusted to suit ambient light levels.

Lockout Function

The EC-8BV can be locked during the Sleep Function or at any other time. A 4-digit PIN must be entered in order to unlock the controller.

Encoder and Encoder Ring

Normally, the encoder ring will show a bouncing meter for the currently selected zone. When a volume adjustment is made, the encoder ring will show the volume level in the appropriate zone color. After a timeout, the encoder ring returns to showing the bouncing meter. On/off color states can be assigned to the push function. The first push of the encoder will show the current state of the assigned parameter on the whole encoder ring and any subsequent push will toggle the state of the parameter.

Buttons

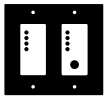
A dimly illuminated button indicates an available source, preset or parameter. A brightly illuminated button indicates a currently selected source, preset or parameter. Sources, presets and parameters are represented in the appropriate zone color.

Color Options

The EC-8BV is available in black or white to fit elegantly within its surroundings.

Shape Options

The EC-8BV is available in dual-gang decora or dual-gang EU shapes.


US Decora


EU Version

Technical Specifications	
Maximum network cable length	328 feet (100 meters)
Power consumption	300mA max at 48VDC
Recommended Ethernet cable wiring	VW-1 Rated, 48VDC, 13W