

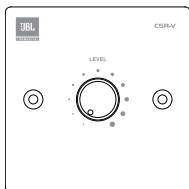


Commercial Solutions Series

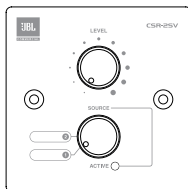
CSR SERIES

- CSR-V
- CSR-2SV
- CSR-3SV

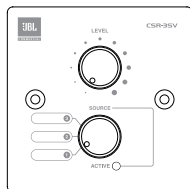
Remote Control User Guide



CSR-V



CSR-2SV



CSR-3SV

DECLARATION OF CONFORMITY

Manufacturer's Name: Harman Signal Processing
Manufacturer's Address: 8760 S. Sandy Parkway
Sandy, Utah 84070, USA

declares that the product:

Product name: JBL CSR-V, CSR-2SV, CSR-3SV

Product option: None

conforms to the following Product Specifications:

Safety: IEC 60065 -01+Amd 1

EMC: EN 55022:2006
EN 55024:1998
FCC Part 15

Supplementary Information:

The product herewith complies with the requirements of the:
Low Voltage Directive 2006/95/EC
EMC Directive 2004/108/EC.
RoHS Directive 2002/95/EC
WEEE Directive 2002/96/EC

With regard to Directive 2005/32/EC and EC Regulation 1275/2008 of 17 December 2008, this product is designed, produced, and classified as Professional Audio Equipment and thus is exempt from this Directive.

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Date: March 24, 2011

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This guide does not include all of the details of design, production, or variation of the equipment. Nor does it cover every possible situation which may arise during installation, operation or maintenance. The information provided in this manual was deemed accurate as of the publication date. However, updates to this information may have occurred.

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Remote Control Overview

The JBL Commercial® CSR series remote controls, including CSR-V, CSR-2SV, and CSR-3SV, can use analog DC voltage to provide logic control ranging from source selection and volume. Wired with Cat 5 cable with universally accepted RJ-45 connectors up to 1000 feet (305 m) length, the CSR series remote controls allow you to remotely select the source and/or control the volume on the CSM mixer.

Using CSR-V remote control with your CSM mixer, you can remotely control the volume of the source selected by the mixer. Using CSR-2SV or CSR-3SV remote control with your CSM mixer, you can remotely control the source on the mixer and the volume of the source.

Remote Control Dimensions

Install the remote control on the wall according to the needs of your audio system, see figures A, B, C, and D.

Figure A: CSR-V Dimensions (EU Version)

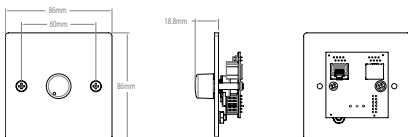


Figure B: CSR-2SV/CSR-3SV Dimensions (EU Version)

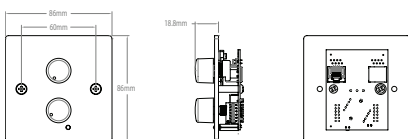


Figure C: CSR-V Dimensions (US Version)

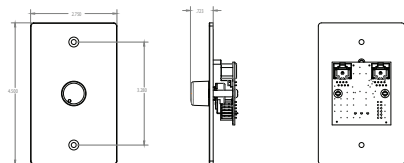
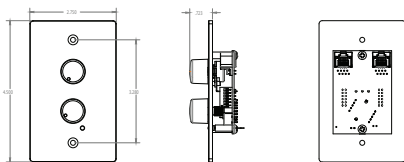


Figure D: CSR-2SV/CSR-3SV Dimensions (US Version)



Wiring the Remote Control

The CSR series remote controls can be wired with the CSM-21 or CSM-32 mixer, see figure E and figure F.

Figure E: Connecting to CSM-21 Mixer

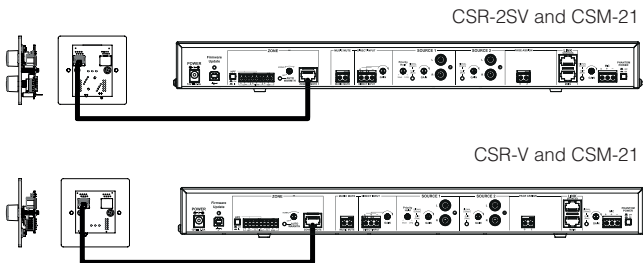
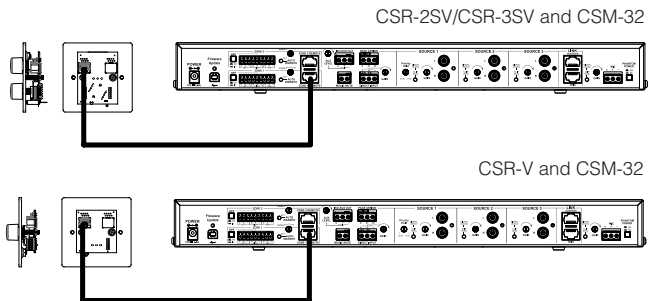


Figure F: Connecting to CSM-32 mixer



Warning:

The installation of the CSR remote controls **MUST** be accomplished with the use of cable which is rated VW-1 or higher.

Using the Remote Control

Source Selection

The Source Selection control on the remote control only functions when the Source Selector knob for that zone is set to “REMOTE” on the mixer. When the remote control is active, the green LED on the remote control below the Source switch (labelled ACTIVE) lights. When this LED is not lit, the remote source control is not operational.

Volume Control

The LEVEL on the mixer is ALWAYS operational, regardless whether the Source Selector is active or not. This remote control is ATTENUATE ONLY.

To set the volume control of the remote control, you can follow the steps:

1. Turn the remote control LEVEL to maximum (full clockwise).
2. Set the volume control on the mixer to the loudest you will ever need the system to be.
3. Turn the remote control LEVEL knob down to a comfortable or typical operating level. Now the remote control volume control cannot turn the volume up above what is set on the mixer.

Compatibility Between CSR Remote Control and CSM Mixers

Remote Control	Mixer	
	CSM-21	CSM-32
CSR-V	√	√
CSR-2SV	√	√*
CSR-3SV		√

* when using two input sources

Specifications

Connector: RJ-45

Cable type: Category 5, straight-through cable, T568B standard

Maximum Cable Length: 1000 ft. (305 m)

Shipping Weight: .55lbs. (250g)

Trouble-shooting

Problem 1: The green LED on the remote control below the Source switch (labelled ACTIVE) can not be lit.

Solution: In normal cases, the P11 jumper on the PCB can not be accessed by the user for any operation, yet is removable for disabling the LED. If the LED is not lit, you may check the P11 jumper is installed properly.

Problem 2: Malfunction between the remote control and the mixer occurs.

Solution: Check the cable and pins with the following definitions.

RJ-45 (8-Position)	Color	CSR-V	CSR-2SV/CSR-3SV
Pin 1	White/Orange	+VREF 3.3VDC	+VREF 3.3VDC
Pin 2	Orange	Volume Control	Volume Control
Pin 3	White/Green	Not used	Source Selection
Pin 4	Blue	Not used	LED (+2.8VDC)
Pin 5	White/Blue	Not used	Not used
Pin 6	Green	Not used	Not used
Pin 7	White/Brown	Not used	Not used
Pin 8	Brown	Ground	Ground



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