Centraverse Overhead Microphone

The Centraverse CVO is a professional low profile electret condenser microphone designed for overhead sound reinforcement applications. An integrated wire aiming hanger is included for optimal placement above choirs and other ensembles with minimal effort.

Features
- Cardioid pickup pattern
- Commshield® technology guards against unwanted RF interference from portable wireless devices (smartphones, etc.)
- Superior Shure design and rugged, dependable construction
- Attached 25 ft XLR cable
- Included snap-fit windscreen

Model Variations
- CVO-B/C: Cardioid, black
- CVO-W/C: Cardioid, white

Note: Model availability depends on region. See your local Shure dealer or distributor for details.

Installation
1. Attach the wire hanger:
   - Snap the wire into the groove on the microphone body.
   - Guide the cable through the spiral at the end of the wire, beginning at the bottom and working toward the exit.
2. Hang the microphone according to the guidelines for placement.
3. Aim the microphone toward the sound source by holding the wire hanger in place and twisting the microphone body.
4. If necessary, tie a strong transparent thread or fishing line to the loop at the end of the wire hanger and attach it to a ceiling anchor for additional stability.
5. Connect the XLR cable to a mixer or P.A. system.

Note: This microphone requires +48V phantom power to operate.

Microphone Placement and Use
1. **3:1 Rule:** If using multiple Shure Centraverse overhead microphones, the distance between the microphones should be three times greater than the distance between the microphone and the sound source.
2. **Choir Installations:** Place the microphone in front of the choir, above their heads and aimed at the back row.
3. **Windscreen:** Use the supplied snap-fit windscreen to eliminate wind noise and plosives. To install the windscreen, snap it into the first groove on the microphone head. To remove the windscreen, locate the gap in the ring and use your fingernail to pull the windscreen off from the right-hand side.
Specifications

Cartridge Type: Electret Condenser

Polar Pattern: Cardioid

Frequency Response: 70–16000 Hz

Output Impedance: 180 Ω

Sensitivity: open circuit voltage, @ 1 kHz, typical

Maximum SPL[2]: 1 kHz at 1% THD

Signal-to-Noise Ratio[3]: Ref. 94 dB SPL at 1 kHz

Dynamic Range: 93 dB

Self Noise: equivalent SPL, A-weighted, typical

27 dB SPL

Preamplifier Output: @ 1 kHz, at 1% THD

-7 dBV

Power Requirements: 11–52 V DC[4], 2.0 mA

Weight: 4.7 oz. (133 g)

Common Mode Rejection: 10 Hz to 100 kHz

>45 dB

Polarity: Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3

Environmental Conditions

- Operating Temperature: –18 to 57°C (0 to 135°F)
- Storage Temperature: –29 to 74°C (–20 to 165°F)
- Relative Humidity: 0 to 95%

Certifications

Meets essential requirements of all applicable European Directives.

Eligible for CE marking.

The CE Declaration of Conformity can be obtained from Shure Incorporated or any of its European representatives. For contact information please visit www.shure.com

The CE Declaration of Conformity can be obtained from: www.shure.com/europe/compliance

Authorized European representative:

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Accessories

Furnished Accessories

- Wire aiming hanger (Black) 44A16928
- Wire aiming hanger (White) 44B16928
- Windscreen (Black) 95A20541
- Windscreen (White) 95B20541

Optional Accessories

- Windscreen (Black, 4-pack) ACVO4WS-B
- Windscreen (White, 4-pack) ACVO4WS-W

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