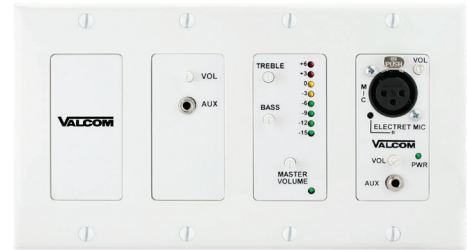


Technical Specifications

V-9985-W In-Wall Audio Mixer with Remote

- Built-in compressor (option switch controlled) for automatic consistent volume level adjustment even when voices vary - low to high
- Master volume control for optimum volume adjustments and volume control for each input
- One general building page input (-10 dBm) overrides all other inputs
- Drives 50 amplified speakers and/or horns
- Eight segment LED meter for visual indication of audio signal levels
- Full frequency range output for speakers
- Hi-pass output for horns



Four Channel

Description:

The V-9985-W Four Channel In-Wall Mixer is a cost-effective solution that eliminates the use of expensive in-wall amplifiers. The complete sound system is ideal for conference rooms, lecture halls, restaurants, auditoriums and gymnasiums.

SPECIFICATIONS

INPUT

Page input: 30 mVRMS for -10 dBm output
Input impedance: >4 kOhm (balanced input)
Auxiliary input: 10 mVRMS for -10 dBm output
Input impedance: >40 kOhms

MICROPHONE INPUT

Input sensitivity: 40 uVRMS (-1 dBm out)
Max input: 30 mVRMS
Input impedance: 3.5 kOhm balanced

OUTPUT

Main output: -10 dBm nominal, 100 Ohms

POWER REQUIREMENTS

50 mA @ -24 Vdc

FREQUENCY RESPONSE

2 Hz to 20 kHz \pm 1 dB

CONTROLS

Master volume control
Two auxiliary input volume control
Bass (50 Hz) boost or cut up to 12 dB
Treble (10 kHz) boost or cut up to 12 dB

ENVIRONMENT

Temperature: +32 to +122 °F (0 to +50 °C)
Humidity: 0-85% Non-condensing

HOUSING AND FINISH

Plastic with white finish

DIMENSIONS AND WEIGHT

6.75in W x 4.25in H x 2.00in D
(17.15cm x 10.80cm x 5.08cm)
Weight: 0.65lbs (0.29kg)
Shipping Weight: 3.20lbs (1.44kg)

MOUNTING

Mounts in 4-gang electrical box

2022 Rev 1.8.10

Technical Specifications

ARCHITECTS AND ENGINEERS

The In-Wall Audio Mixer, model V-9985-W, shall consist of a V-9983 Main Control Module and a V-9984 Remote Input Module. Each V-9985-W shall provide two auxiliary inputs and one balanced microphone input. Auxiliary inputs can be used for music or program sources, PC audio, or wireless microphones.

The V-9985-W In-Wall Audio Mixer shall provide active mixing for 1 balanced microphone and 2 auxiliary inputs. Also supplied is an additional audio input (building page) with an override feature. Up to 3 additional Remote Input Modules (V-9984) may be connected to the Main Control Module. Each Remote Input Module adds 1 Balanced Microphone and 1 Auxiliary input.

The V-9985-W In-Wall Audio Mixer building page input sensitivity shall be 30 mVRMS for -10 dBm output. Input impedance shall be greater than 4 kOhm (balanced input). Auxiliary input sensitivity shall be 10 mVRMS for -10 dBm output. Input impedance shall be greater than 40 kOhm.

The V-9985-W In-Wall Audio Mixer microphone input sensitivity shall be 40 uVRMS (-1 dBm out). Maximum input shall be 30 mVRMS. Input impedance shall be 3.5 kOhm balanced. Signal-to-noise shall be -65dB from max output

The V-9985-W In-Wall Audio Mixer main output shall be -10 dBm nominal, 100 Ohms. The V-9985-W frequency response shall be 2 Hz to 20 kHz \pm 1dB. Horn output shall be -10 dBm nominal, 100 Ohms. Frequency response shall be 20 Hz to 20 kHz \pm 1 dB (1 dB/Octave High pass at 300 Hz).

The V-9985-W In-Wall Audio Mixer shall operate on a -24 Vdc nominal, positive ground power supply. Operating current shall be 50 mA at -24 Vdc. The V-9985-W operating temperature shall be +32 to 104 °F (0 to + 40 °C). Operating humidity level shall be 0% to 85% non-condensing.

The V-9985-W faceplate shall be constructed of plastic with white finish. The V-9985-W shall mount in a 4-gang electrical box.

The maximum dimensions shall be: 6.75in W x 4.25in H x 2.00in D (17.15cm x 10.80cm x 5.08cm). Weight shall be approximately: 0.65lbs (0.29kg).

Warranty information may be found on our website at www.valcom.com/warranty.