

Audio Panel with Microphone

The Advanced AV-VBM audio panel with microphone is designed to be used in conjunction with any Advanced Axis AX Series, or ANSI/UL864 Listed fire alarm control panel to provide automatic (and manual) fire alarm audio signaling and live voice paging during an emergency situation. The AV-VBM is fully compatible with the Advanced AV-VB distributed audio booster, allowing the AV-VBM and AV-VBS to provide a means to meet the total system wattage requirements via true distributed audio methodology.

The AV-VBM audio panel incorporates an audio amplifier (AV-AMP-80) containing; two dual 40 Watt amplifiers configured Class A or Class B, a dual digital (programmable) message/tone generator, a power supply/ charger (AX-PSU-6) and an integral microphone inside a compact, red, lockable enclosure.

Key status indicators viewable on the front panel display include a green AC power on LED, a yellow amplifier trouble LED, and a yellow power supply trouble LED. Additional diagnostic LEDs are available on each internal module of the AV-VBM audio panel. In addition to the external LEDs, 3 toggle switches provide for manual activation of either Message 1, Message 2 or to initiate an All Call system wide page from the AV-VBM throughout all distributed AV-VB audio boosters.

The built-in dual programmable, flash based, digital message/tone generator of the AV-VBM audio panel comes standard with message 1 programmed for alarm evacuation and message 2 programmed as an all clear message. Both messages are completely field programmable for tailoring to meet specific installation requirements. Digital messages/tones can be programmed with a simple, user-friendly Windows based tool. The Windows-based programming tool allows users to select from a library of industry recognized messages/tones. Selection options include: leading and trailing tones and male or female voice messages. Also, wave files may be downloaded and added to the library to allow complete customization of messages/tones.

In support of installations requiring strict survivability, where a specification mandates that if a primary amplifier fails, a backup amplifier is required to take over so that critical life safety messages/tones can be delivered to personnel without interruption, the AV-VBM audio panel can be configured for one-to-one 40 Watt amplifier backup. In addition, when configured for such operation, the AV-VBM audio amplifier has a built in physical test feature to confirm proper backup amplifier operation.

Specifically designed for project flexibility, each AV-VBM and AV-VB can be set up to produce their own messages. This makes setting up a dual channel, three channel or floor above/floor below application simplistic.



Features

- Interfaces to Any Listed Fire Alarm Control Panel
- Advanced Digital Audio Technology
- Dual 40 Watt @ 25 Vrms Amplifiers
- 2-channel Digital Message/Tone Generator
- Unique Amplifier Booster Option
- High Fidelity Sound Quality
- Message 1 On/Off, Message 2 On/Off and All Call Toggle Switches
- Optional AV-ZS and AV-ZS-CM Zone Splitter and Switch Module
- Built-in Live Voice Paging Microphone
- Two Class A or B Audio Notification Appliance Circuits
- AC Power On, Amplifier and PSU and Trouble LEDs
- Internal Service Diagnostic and Status Indicators
- USB Interface for Message/Tone Programming
- Optional One-to-One Amplifier Backup with Test
- Three Prioritized Relay Trigger Inputs

Listings and Approvals

- ETL ANSI/UL 864/1711/1481 Listed: 100027836NYM-001c
- CSFM Approved: 6912-1713:0117
- NYC FD COA #6105

Order Codes and Options

AV-VBM	Audio Panel
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Optional Modules:

AV-ZS	Audio Zone Splitter Module
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AV-ZS-CM	Audio Zone Splitter Switch Module
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AV-V70	Universal Audio Converter (Converts 25 Vrms to 70 Vrms)
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