

*Multi-zone system with computer RS232 control. Any input routes to any output. Large outdoor horns will cover 20,000 sq/feet. Pendant speakers are ideal for high ceilings and are paintable to blend.

Multiroom Facility with Outdoor Assembly

Music and sound anywhere you want



P/N 18802
Commercial Audio 4x120W 4ch/4Zone Mixer
Matrix 100/70V w/Digital Media Player

\$599⁹⁹

+



P/N 14889
Commercial Audio 50W 2-way
Outdoor Music Horn Speaker, 70V
IP66

\$69⁹⁹

+



P/N 14890
Commercial Audio 7.5W 6 inch
Pendant Speaker 70V

\$49⁹⁹

+



P/N 14887
Commercial Audio 50W 6.5" Coax
Ceiling Speaker w. ABS Back Can &
Grill 70V

\$49⁹⁹

+



P/N 14891
Commercial Audio Desktop
Paging Microphone w. On/Off
Button

\$29⁹⁹



P/N 7396
XLR Female 3 Pin One Port Zinc
Alloy Wall Plate

\$1⁹⁹

+



P/N 2067
USB to RS232 DB9 Male and
DB25 Male Serial Converter Cable

\$9⁹⁹

+



P/N 16086
Access Series 12AWG CL3 Rated
2-Conductor Speaker Wire, 1000ft

\$299⁹⁹

= \$1,784⁹⁷



Simplify the task of running distributed audio for restaurants, hotels, or anywhere large areas need background music and/or paging address systems. Connect hundreds of speakers covering acres of area without the need for large equipment racks.

A constant voltage speaker system differs from a traditional 8-ohm speaker system in that it uses a step-up transformer at the audio source to raise the voltage and lower the current on the transmission line. At the speaker end, a step-down transformer converts the signal back to a normal speaker level voltage. This reduces power loss during transmission, which allows for the use of longer speaker wire runs using smaller gauge wire.

Additionally, a constant voltage speaker system allows for the use of multiple speakers on each channel, without the need for complicated impedance calculations and configurations. In a constant voltage system, all speakers on a given channel are connected in parallel and the complicated impedance calculations are replaced by simple wattage calculations.

For example, if you want to connect two speakers per channel in a traditional 8-ohm speaker system, you must either connect them in series, which results in an overall 16-ohm impedance, or in parallel, which results in an overall 4-ohm impedance. In the first case, the 16-ohms impedance effectively halves the output power of your amplifier, resulting in lower overall volume levels. In the latter case, the 4-ohms impedance means that your amplifier will have to work harder and must be rated as stable at 4 ohms. Adding a third speaker to the mix would complicate it further, producing either a 24-ohm or 2-ohm overall impedance. Note that very few amplifiers are stable under 2-ohm loads, so that is usually not an option.

On the other hand, with a constant voltage system, you consider first the RMS output wattage of the amplifier. This should be reduced by 20% to compensate for insertion loss. For example, if using a 100-watt amplifier, the total load from speakers should not exceed 80 watts.

This amp features three combination XLR/TRS balanced/unbalanced inputs, which can be set to accept a standard microphone input, a microphone input with +48V phantom power, or a line level input. It also has two unbalanced stereo RCA line level inputs. It has four independent 120 watt amplifiers, which can drive 4-ohm loads or a 70V or 100V constant voltage speaker array. A Media Player is included, which features a built-in FM tuner and an mp3 player, which can playback files from a drive connected to the USB port or an SD™ card inserted in the SD/MEDIA slot. It includes thermal, short-circuit, clipping, and overload protection circuits, as well as a ground lift switch. It can interface with external phone systems for telephone paging.

Features

- Four independent 120-watt amplifiers capable of driving 4Ω loads, as well as 70V and 100V constant voltage speaker arrays
- Three combination XLR/TRS balanced/unbalanced inputs capable of connecting microphone level, microphone level with Phantom power, or line level sources
- Two unbalanced stereo RCA inputs
- Independent gain controls on all inputs
- Any input can be directed to any or all outputs
- Balanced line outputs for each zone
- Built-in media player with FM tuner and mp3 player for playback of files on a connected USB drive or an SD™ card
- Can record FM audio and save as mp3 files on a connected USB drive or SD card
- RS232 serial control
- Can interface with external phone systems for telephone paging
- Thermal, short-circuit, clipping, and overload protection circuits
- 1-watt, 8-ohm amplifier for driving a monitor speaker
- Ground lift option