

AT-6100M Six-zone Microphone and Control Module

The AT-6100M is a hassle-free plug and play system that can be used with any audio amplifier to produce crystal-clear paging and background music for one to six zones.

The ergonomic microphone base provides global control of microphone volume and background music with large finger sized buttons for zone selection, all zone call and latching talk button. Installing and operating a multi-zone paging system has never been easier. Special attention has been paid in designing the AT-6100M to blend seamlessly into your environment and be very simple to operate, while providing the features you need to get the job done.



Add the AT-6100 amplifier and AT-6100T transformers for a complete 6-zone background music paging system.

Features

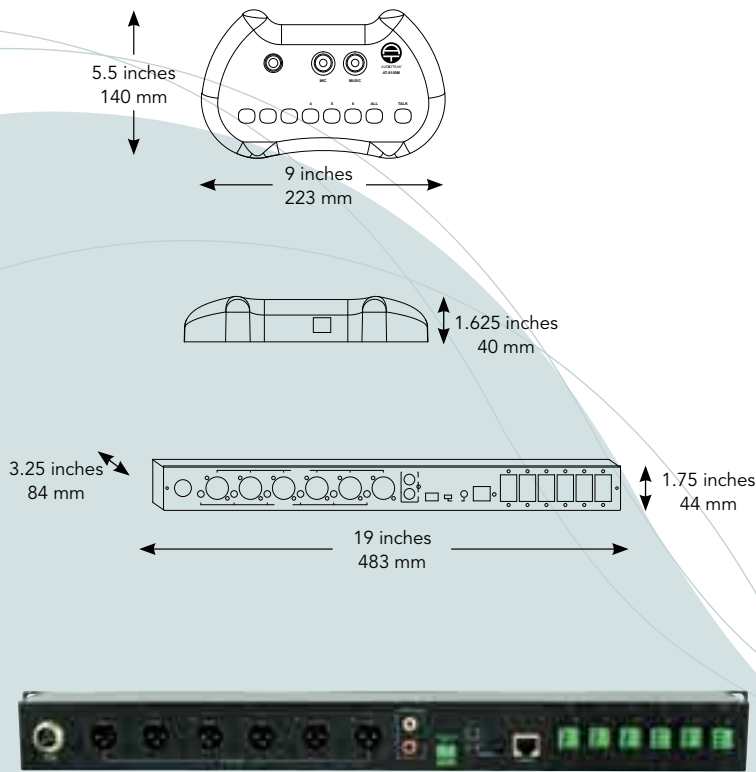
- Page up to six zones from a single 70-volt amplifier
- Page up to six zones using multiple 70-volt amplifiers with background music
- Premium condenser microphone 133 dB max SPL
- Ergonomic microphone base with latching talk, all-call and six-zone control
- Operator background music and microphone level controls
- Automatic override in selected zones
- Independent BGM level control in each zone
- Microphone connects to the included control module with a single shielded Cat5 cable
- Six balanced XLR outputs +4 dBv
- Six relays (5 amperes form "C").
- Switchable chime with level control
- Complete system includes microphone base station, rack mount control module, power supply and under table mounting arms

Specifications

Microphone	
Type	Condenser 16-inch goose-neck
Pattern	Uni-directional
Impedance	1800 ohms
Frequency Response	50 Hz to 18 kHz ± 5 dB
Sensitivity	-56 dB ± 3 dB at 1 kHz
Maximum Input	133 dB SPL
Control Module	
Power Consumption	120 VAC, 60 Hz, 12 watts (with supplied external power supply)
Relay Contact Ratings	5 A/250 VAC, 5 A/30 VDC
Output Level	+4 dBV
Output Impedance	200 ohms
Music Input Level	-10 dBV
Input Impedance	1.5 k ohms at 1 kHz
Balanced Output Level	+4 dBV
Impedance	200 ohms
Frequency Response	20 Hz to 20 kHz ± 3 dB
Signal-to-Noise Ratio	91 dB A-weighted
Shipping Weight	11.8 lbs; 5.35 kg

Architectural and Engineering Specifications

The multi-zone paging system shall be an AudioTrak Model 6100M, or approved equivalent. The 16-inch uni-directional condenser microphone shall have a frequency response of 50 Hz to 18 kHz and impedance of 1800 ohms. The microphone sensitivity shall be -56 dB ± 3 dB at 1 kHz and have a maximum SPL of 133 dB and will be supplied with two foam wind socks. The microphone base station shall provide six zone buttons plus an all-call and latching talk button. All buttons shall be LED illuminated. The microphone base station shall provide global microphone and background music level potentiometers. The microphone base station shall connect to the control module with a single shielded category 5 or equivalent cable and an RJ45 output shall be provided to connect the microphone base station to the control module. The system shall provide a rack mountable control module which will provide six balanced XLR outputs with an output level of +4 dBV and an output impedance of 200 ohms. Independent volume controls shall be provided for background music levels adjusting the background music level from fully off to fully on. The base station shall provide a background music input on stereo RCA jacks with an input level of -10 dBV and an input impedance of 1.5 K ohms at 1 kHz. A balanced output shall be provided for the microphone output on a Euro Block style connector with an output level of +4 dBV and an impedance of 200 ohms with a frequency response of 20 Hz to 20 kHz ± 3 dB. A switchable chime shall be provided with level control. An RJ45 input shall be provided to connect to the microphone base station. Six relay contacts shall be provided with a rating of 5 A/250 VAC, 5 A/30 VDC and shall activate when the corresponding zone button is pressed in conjunction with the talk button. The AT-6100M shall be powered by 115 VAC at 60 Hz external UL approved power supply with a total power consumption of 12 watts. Dimensions shall be (W x H x D) microphone base station: 9 x 1.625 x 5.5 inches; 223 x 40 x 140 mm, control module: 19 x 1.75 x 3.25 inches; 483 x 44 x 84 mm. Shipping weight shall be 11.8 lbs; 5.35 kg. The six-zone microphone paging system shall be the AT-6100M.



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