

AT-560/5120 Mixer Amplifier

The AT-500 series Commercial amplifiers offer five mixable inputs plus an adjustable transformer isolated telephone input for direct tel paging in 60 and 120-watt sizes. All AudioTrak Commercial amplifiers include switchable microphone phantom power, two-band tone control, pre-amp line level outputs for connection to multiple amplifiers in addition to standard chime and mic/tel override. Solid construction and proven reliability are the hallmarks of the AudioTrak amplifier line. Backed with an three-year warranty and system design technical support, AudioTrak is the contractor's choice for robust, clean power amplification.



Features

- 60 or 120 watts output power
- 5 mixable inputs (Mic 1, 2, 3, aux 1, aux 2/CD)
- Telephone paging input (adjustable)
- VOX mute on telephone and Mic 1 inputs
- Pre-announce chime
- Phantom power (with on/off switch)
- Master volume, bass and treble controls
- 115 / 230 VAC input (selectable)
- 24 VDC input
- Mono 8-watt, 25 / 70 / 100-volt speaker outputs
- Line level output
- Effects Link
- Optional 3 XLR type Mic input module (AT-3XLR)
- Optional (2 space) rack mount kit (560-RM)

Specifications

	AT-560	AT-5120
Output Power (RMS)	60 watts	120 watts
Frequency Response	60 Hz to 15 kHz	60 Hz to 15 kHz
Total Harmonic Distortion	< 1 percent at 1 kHz at full rated power	
Signal to Noise	> 60 dB	> 60 dB
Inputs-Microphones (3)	1 mV, 250 ohms balanced, screw terminal with selectable phantom power	
Input-Aux	200 mV, 47 K ohms, unbal, dual RCA	
Input-Aux/CD	200 mV or 500 mV, 47 K ohms, unbal, dual RCA	
Input-Telephone	0.1 to 1 volt, 600 ohms, balanced, screw terminal	
Speaker Outputs	8 ohms, 25 / 70 / 100-volt	
Line Level Output	1 volt, 600 ohms	
Power Requirements AC	1150 / 230-volt, 50 / 60 Hz switchable	
AC Power Consumption	170 watts	360 watts
Optional DC Power Requirement	24 volts	24 volts
DC Power Consumption	4 amps	8 amps
Dimensions (H x W x D)	3.5 x 17 x 10.25 inches; 89 x 423 x 260 mm	
Shipping Weight	21 lbs; 9.5 kg	24 lbs; 10.9 kg

Architectural and Engineering Specifications

The public address amplifier shall be an AudioTrak AT-560/5120, or approved equivalent, with a full power rating of 60 watts AT-560 or 120 watts AT-5120. The frequency response shall be 60 Hz to 15 kHz, with less than 1 percent distortion at full rated power. Input sensitivity shall be 1 mV, 250 ohms for low impedance balanced microphones, 200 mV or 500 mV, at 47K ohms unbalanced for auxiliary input and 0.1 to 1 volt, 600 ohms balanced for the telephone input. A master volume control and independent volume controls shall be provided for all inputs on the front panel. Separate bass and treble controls shall be provided on the front panel. The amplifier shall provide simultaneous mixing of three low-impedance balanced microphones, two auxiliary inputs and one telephone input. Optional phantom power shall be built-in with on/off switch provided on rear panel. Mute on/off switch on rear panel shall be provided for Mic 1. The second auxiliary input shall have a rear-mounted switch to allow selection of proper input sensitivity between 200 mV and 500 mV at 47K ohms.

Telephone input shall be transformer isolated, with adjustable gain control located on rear panel and provide signal-activated paging with muting of all other inputs. An optional pre-announce chime terminal shall be provided on the rear panel. The amplifier shall provide two line level out terminals for connection of additional amplifiers. It shall provide output impedances of 8 ohms as well as 25, 70 and 100 volts for use in constant voltage systems. The amplifier shall be powered by 115 VAC at 50 Hz or 230 VAC at 60 Hz with a selectable switch provided on the rear panel. In addition a 24 VDC power terminal shall be provided for mobile or emergency operation. The amplifier shall be mountable in a standard 19-inch rack, using the optional rack mount kit (AudioTrak model 560-RM). The three microphone inputs shall be easily changed to XLR type with the optional "AT" model AT-3XLR. Dimensions shall be (H x W x D), 3.25 x 17 x 10.25 inches; 89 x 423 x 260 mm. Shipping weight shall be AT-560: 21 lbs; 9.53 kg or AT-5120: 24lbs; 10.89 kg.



AT-5120

