

AT-320/340/360 Mixer Amplifiers

The AT-300 series of commercial amplifiers offer three mixable inputs plus an adjustable transformer isolated telephone input for direct tel paging in 20/40 and 60-watt sizes. All AudioTrak Commercial amplifiers include switchable microphone phantom power, two-band tone control, pre-amp line level outputs for connections 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 a three-year warranty and system design technical support, AudioTrak is the contractor's preference for robust, clean power amplification.



Features

- 20, 40 or 60 watts output power
- Three mixable inputs (Mic 1, Mic 2, Aux/CD)
- Telephone paging input (adjustable)
- VOX mute on telephone and Mic 1 inputs
- Pre-announce chime
- Phantom power (with on/off switch)
- Separate bass and treble controls
- 115/230 VAC input (selectable)
- 12 VDC input (AT-320/340), 24 VDC input (AT-360)
- Mono 8-ohm, 25/70/100-volt speaker outputs
- Line level output
- Optional (two space) rack mount kit (320-RM)

Specifications

	AT-320	AT-340	AT-360
Output Power (RMS)	20 watts	40 watts	60 watts
Frequency Response	60 Hz to 15 kHz		
Total Harmonic Distortion	< 1 percent at 1 kHz at full rated power		
Signal to Noise	> 60 dB	> 60 dB	> 60 dB
Inputs- Microphones (2)	1 mV, 250 ohms balanced, screw terminal with selectable phantom power		
Input-Aux/CD	200 mV or 500 mV, 47 K ohms, unbal, dual RCA		
Input- Telephone	0.1 to 1 V, 600 ohms, balanced, screw terminal		
Speaker Outputs	8 ohms, 25 / 70 or 100 volts		
Line Level Output	1 volt, 600 ohms		
Power Requirements AC	115 volts / 230 volts, 50 / 60 Hz switchable		
AC Power Consumption	60 watts	100 watts	170 watts
Optional DC Power Requirement	12 volts	12 volts	24 volts
DC Power Consumption	3 amps	5 amps	5 amps
Dimensions (H x W x D)	3.5 x 10.75 x 11.75 inches; 89 x 273 x 298 mm		
Shipping Weight	12 lbs; 5.5 kg	16 lbs; 7.3 kg	19 lbs; 8.6 kg
Accessories	2 U rack mount kit (Model AT-320RM)		

Architectural and Engineering Specifications

The public address amplifier shall be an AudioTrak AT-320/AT-340/AT-360 or approved equivalent, with a full power rating of 20 watts AT-320, 40 watts AT-340 or 60 watts AT-360.

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 47 K ohms unbalanced for auxiliary input and 0.1 to 1 V, 600 ohms balanced for the telephone input. Independent volume controls shall be provided for all inputs and bass and treble controls shall be provided on the front panel. The amplifier shall provide simultaneous mixing of two low-impedance balanced microphones, one auxiliary input 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 on Mic 1. Auxiliary input shall have rear-mounted switch, to allow selection of proper sensitivity. 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 12 VDC power terminal (24 VDC on AT-360) 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 320-RM). Dimensions shall be (W x H x D), 10.75 x 3.5 x 11.75 inches; 273 x 89 x 298.5 mm. Shipping weight shall be AT-320: 12 lbs; 5.44 kg, AT-340: 16 lbs; 7.26 kg or AT-360: 19 lbs; 8.62 kg.



AT-360