

Front Panel



Rear Panel



PRELIMINARY SPECIFICATIONS: MA3501t

System Type	MA3501T Class-G high current commercial audio distribution amplifier
Amplifier Power	350 Watts RMS < .1% THD @ 4 Ohms, 700 Watts peak, Direct Output 225 Watts RMS < .1% THD @ 8 Ohms, 400 Watts peak, Direct Output 350W - 25V/70V/100V < .1% THD Transformer Output
HP Filter – Switchable	40Hz – 60 Hz
Overall Response	20 – 100 kHz Hz +/- 3 dB Direct, 30 Hz – 35kHz +/- .5 dB
Power Band Width Response	30 Hz - 65 kHz +0, -3 dB Direct 30 Hz – 50 kHz +0, -3 dB Transformer
Inputs	Dual RCA Unbalanced/Single Euro Block Balanced
Maximum Input Sensitivity	175 mV for full output unbalanced/balanced/Variable
THD+ Noise	<.05% 20-20kHz below rated output power
S/N	>85 dB un-weighted
Damping Factor	>200
Input Impedance	20K unbalanced, 10K balanced
Protection Features	Soft Clipping Limiter (Switchable), Short Circuit/Overload, DC offset protection, Thermostatic variable speed fan cooling, Thermal overload protection, Transformer thermal protection, Over current protection
Front Panel Indicators	Power/Standby, Clipping, Protection LEDs
Current consumption 120V	3A @ 8 ohms, 5.5A @ 4 Ohms Continuous Program
Operating Voltage	Switchable, 115VAC 60HZ @ 9A Max / 230VAC 50 Hz @ 4A Max
Height	88.9 mm (3.5 in.) With Feet - 95.25 mm (3.75 in.)
Width	482.6 mm (19 in.)
Depth	349.25 mm (13.75 in.) 2 Standard RU
Weight - amp only	13.38 kg (29.5 lbs)
Packaging	One per box
Regulatory - UL	UL 60065 Listed
CCC	Approved
Regulatory - CE	Approved
RoHS	Approved

Preliminary Technical Information

- Efficient Class G high current mono-block 350 W amplifier
- Large Torroidal power transformer and audio output transformer
- Taps for 25V, 70V, 100V and bypass
- Balanced inputs (Euroblock) and unbalanced inputs (RCA)
- Euroblock outputs
- All controls located on rear panel
- 30 Hz – 35 kHz +/- 0.5 dB frequency response
- User-selectable limiter
- 3-position subsonic filter
- Automatic music sensing
- 12V trigger for remote activation/deactivation
- Overload, short circuit and heat protection along with peak output protection

Description

The MA3501t is a high-output, low-voltage mono power amplifier engineered for use in distributed sound applications. Designed for use with SoundTube and other high-fidelity speakers, the MA3501t provides 350 watts of output power into 4 ohms, 25V, 70V and 100V and 225 watts into 8 ohms. A 12V trigger is provided along with automatic music sensing for remote on/off functions. No controls are available via the front panel; this deters unauthorized tampering with levels or other settings.

Applications

The MA3501t is ideal for distribution of mono audio to speakers throughout a facility. Applications include hospitality, corporate, retail, education, government, themed entertainment and other commercial applications.

Patented Technologies

SoundTube Entertainment and the MSE Audio Group constantly develop new technologies which enhance audio product performance. SoundTube Entertainment innovations are protected by multiple U.S. and international patents, which explicitly cover SoundTube dome, enclosure and dispersion technologies. The MSE Audio Group actively defends its patents in order to protect SoundTube resellers and end-users.



Architectural Specifications

The amplifier shall be a 350-watt mono amplifier. It shall deliver 350 watts into 4 Ohms, 25V, 70V or 100V, and 225 watts into 8 Ohms.

The amplifier shall provide balanced and unbalanced inputs. Unbalanced inputs shall be presented on RCA connectors while balanced inputs shall be presented on a Euroblock connector that accepts from 12 to 22 gauge wire. Outputs shall be presented on a Euroblock connector that accepts from 12 to 22 gauge wire. A selectable limiter shall be provided along with a three position subsonic filter. Music sensing and 12V trigger options shall be available for remote activation or deactivation.

Performance specifications of a typical production unit shall include a frequency response of 30 Hz to 35 kHz +/- 0.5 dB.

The amplifier chassis shall be constructed of steel with a powder coat finish. It shall incorporate an internal power supply and shall accept input voltages of 110 to 240 VAC. It shall be rack mountable and shall occupy two rack units when mounted.

The system shall be the SoundTube MA3501t.

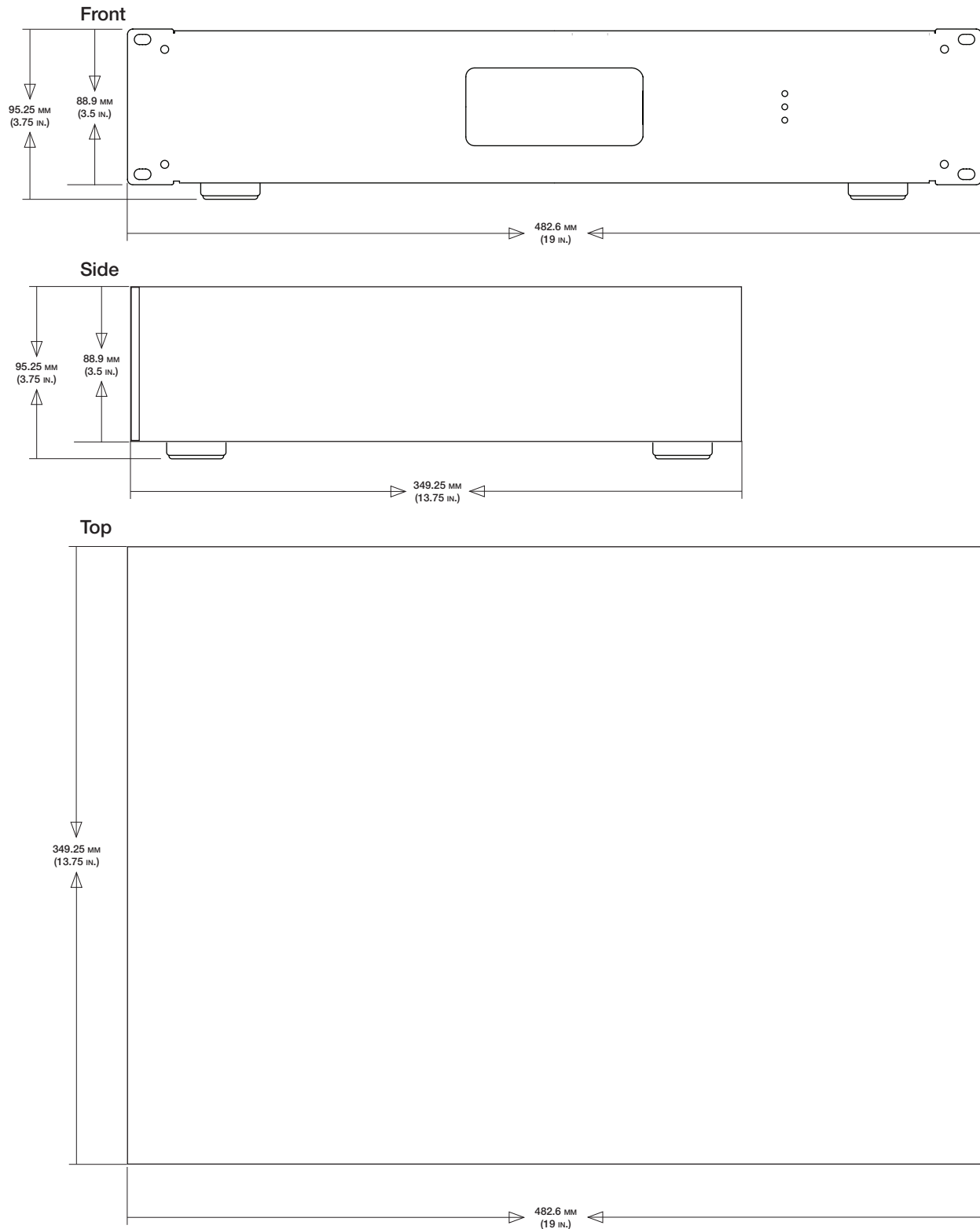
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All SoundTube products come with a 5-year limited warranty.



Mechanical Drawings



SoundTube Entertainment manufactures a complete line of speakers for:
Open-Ceiling • In-Ceiling • Surface-Mount • Outdoor • Sound-Focusing

All SoundTube products are designed and engineered in the USA.