



Specifications: SB335

Mounting hardware included

Input Impedance	10K unbalanced
THD+ Noise	>.1% below rated output powers
Max Gain	34 dB
Power Output	3 Channel - 35 watts @ 8 ohms, 40 watts @ 4 ohms
Signal to Noise Ratio	Better than 84 dB unweighted
Amplifier Output Power	2 Channel - 50 watts @ 8 ohms, 55 watts @ 4 ohms, 3 Channel - 35 watts @ 8 ohms, 40 watts @ 4 ohms
Inputs	10K unbalanced line input stereo analog, optical digital 2 or 3 channel, RS232 control, Bluetooth, External IR
Height (SM = Height)	32.0 mm / 1.25 in
Diameter (SM = Width)	100.0 mm / 3.9 in
SM Depth (Including Bracket)	184.0 mm / 7.25 in
Weight	0.42 Kg / 0.93 lbs
Packaging	1 per box - includes mounting hardware
Regulatory - UL	UL 60065 Listed
Regulatory - CE	approved
Regulatory - RoHS	approved

Key Features

- 35 Watts per channel at 8Ω (3 channels)
- 50 Watts per channel at 8Ω (2 channels)
- IR learning for volume control via TV remote
- Bluetooth® connectivity
- Dolby Digital® decoding
- 8" H x 4" W x 1.125" D

Description

The SB335 is a versatile, small, class D amplifier engineered for use in localized audio applications. Designed for use with SoundTube speakers, other high-fidelity speakers and passive soundbars, the SB335 provides 50 watts per channel into 8 ohms (2 channel operation) or 35 watts per channel into 8 ohms (3 channel operation). Digital and analog inputs are provided, enabling direct connection from most TVs or monitors. Bluetooth® streaming functionality is also featured as a signal option. In addition to the speaker outputs, the SB335 includes a line level subwoofer output. Dolby Digital® decoding is also provided. The SB335 may be controlled via RS232 and will learn IR codes for volume control.

Applications

The SB335 is ideal for digital signage, allowing localized amplification of speakers associated with a digital signage display. It is also useful for educational video carts and videoconferencing rollabout carts. The unit's three channel capability and full-range frequency response makes it ideal for powering passive high-quality soundbars such as the Teatro TSB3.0 from SoundTube's sister company Phase Technology.

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.

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Technical Data and Specification Tools

Technical Data

SoundTube Entertainment strives to provide complete and effective technical information and data to dealers, engineers and designers. All data are available from SoundTube Entertainment or at www.soundtube.com. Technical data and downloads include: EASE™ data - 3-D polar plots. EASE™ Address - 2-D modeling for distributed systems Autodesk® Revit® software Tech Sheets -

Technical information and architectural specs for system engineers
SoundTubeSPEC™ -
Proprietary speaker placement software

Data Acquisition and Verification

All data for SoundTube speakers are independently collected from and verified by NWAALabs (www.nwaalabs.com) using their proprietary MACH testing system. All data are collected and analyzed according to ASTM, ISO and AES standards using EASRA, TEF and MLSSA. Full balloon data including both phase and magnitude are compiled into a variety of formats including EASE 4.x, GLL and CLF.

Architectural Specifications

The amplifier shall be a small, class D amplifier offering 2 channel or 3 channel operation. It shall provide 50 watts per channel into 8 ohms in 2 channel mode or 35 watts per channel into 8 ohms in 3 channel mode. The amplifier shall have a crossover frequency (high pass/low pass) of 120 Hz at 12 dB/octave. Frequency

response shall be 10 Hz to 20 kHz +/- 0.5 dB at 1 watt RMS with less than .1% total harmonic distortion. A +3 dB switchable EQ shall be provided at 120 Hz, 2 kHz and 8 kHz. Inputs to the device shall include analog connection via Euroblock, unbalanced analog via mini connector or optical connector. Inputs shall also be permitted via Bluetooth® enabled devices. Outputs to speakers shall be made via Euroblock connector. A subwoofer line level output shall be provided via RCA connector. A separate Infrared (IR) receiver shall be included which shall connect directly to the amplifier. Infrared learning functions shall include volume up, volume down and mute to permit control via a television or other remote. Dolby Digital® decoding shall be available. The amplifier shall measure 8" x 4" x 1.125" and shall weigh 0.9 lb. The amplifier chassis shall be constructed of steel with a powder coat finish. It shall be powered via an external supply providing 32 volts DC at 3.75 amps with input voltage of 100-240 VAC, 50/60 Hz. The SoundTube SB335 is specified.

SoundTube

8005 W. 110th St. | Suite 208
Overland Park, KS 66210
Phone 9136635600
Fax 8556635600
Toll Free 8556635600
<https://soundtube.mseaudio.com>
All SoundTube products come with a 5-year limited warranty.

Mechanical Drawings

