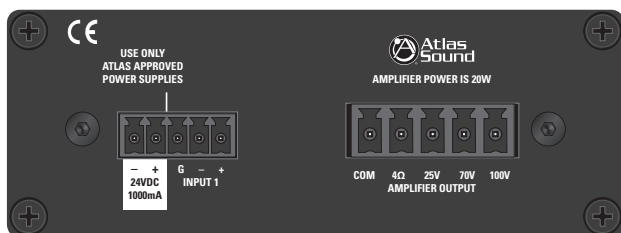
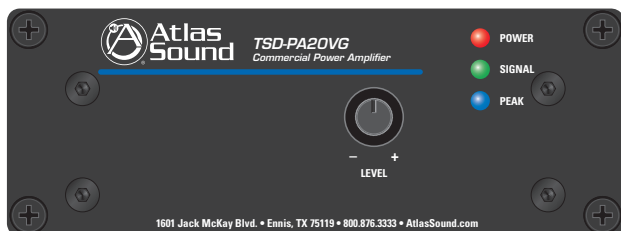




TSD-PA20VG

Mono Power Amplifier



TSD-PA20VG

Atlas Time Saving Devices

New Atlas Sound Time Saving Devices are designed to solve some of the common audio system problems in the easiest and in the most efficient and cost-effective way. Utilizing the highest quality components and inspired by real world installation issues, the Atlas Sound TSDs include mixers, amplifiers, preamps, and other distribution and control devices to simplify your connections, provide specific application needs, and add flexibility in expansion and changes that prevent expensive system overhauls.

The Time Saving Devices are loaded with features making it versatile and user friendly. The TSD design mandate was to make the installation quick and reliable, saving you valuable time and money. Each model is housed in a compact 1.5" x 4" x 5.2" footprint that allows for placement almost anywhere. Common features include removable individual I/O connectors for quick and precise wiring, separate ground terminals for all I/Os assuring secured connections, and removable level controls that can be replaced with a tamper-resistant security cover.

Description

The Atlas Sound TSD-PA20VG is a cost effective mono amplifier for 4Ω and distributed constant voltage speaker systems. Applications such as house of worship cry rooms, hallways, restrooms, foyers and classrooms will benefit from this compact reliable amplifier. The TSD-PA20V is also a cost effective alternative for small projector systems as it can be used with as many as (16) 25/70/100V ceiling speakers (tapped at 1W each), plus the extremely small footprint allows for easy mounting. For sound masking applications the TSD-PA20VG has the capacity to drive up to 34 masking speakers tapped at .5W each on a 70.7V line.

Output is gain controlled from a potentiometer on the front panel with removable knob to facilitate installation of a tamper-resistant cover (included).

The TSD-PA20VG is highly efficient and meets most energy standards as one 24V DC power supply (available separately) can power multiple Atlas Time Saving Devices.

Installation

- Courtrooms
- Public Forums
- Churches
- Restaurants
- Schools
- Industrial Facilities
- House of Worship

Features

- 20W Mono Amplifier
- 4Ω/25/70/100V Output
- One (1) Balanced Input
- Removable Level Control with Set-It-And-Forget-It Security Cover
- Peak Indicator LED
- Input Signal Indicator LED
- Cable Management System
- Multiple Mounting Configurations
- Separate Ground Connections
- Removable Phoenix Style I/O Connectors
- Meets Most Energy Standards
- Compact Chassis Design

Audio Applications

- Projector Amplifier
- Zone Amplifier
- Paging Systems

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Specifications

Description	1 x 20W Global Commercial Amplifier
Chassis Color	Black
Chassis Material	Aluminum
Power Output	20W @ 4Ω, 10W @ 8Ω, 20W @ 25V, 70.7V, 100V Loads
Inputs	
Type	Qty 1, Balanced Line
Connection	Removable 3 Position Captive Screw 3.5mm Spacing
Impedance	10KΩ Balanced, 5KΩ Unbalanced
Line Input Level	500mV (-6dBV) Balanced
Outputs	
Output Taps	4Ω, 25V, 70V, 100V
Type	Speaker Output
Connection	Removable 5 Position Captive Screw 5mm Spacing
Wire Size	14 Gauge Max
Controls	
Level Control	Qty 1, Removable Knob with Security Cover
Indicators	
Input Signal	Green, 25mV On Threshold
Peak	Red, -3dB Before Clip
Power	Blue
Electrical	
Frequency Response	40Hz - 20kHz (±3dB)
THD	15% & 1kHz
Signal to Noise	78dB
Mounting	
Velcro	Industrial-Grade, Included
Brackets	Qty 2, Included
TSD-RMK	Optional 1 RU Rack Mount Panel (Supports 4 TSD Units)
Cable Retainer	Qty 2, Included
Power Requirements	Note: All Current and Watt data is based on AC power consumption using the TSD-PS24V2500mA Power Supply
Load Taps	4Ω, 25V = 31Ω Load, 70V = 250Ω Load, 100V = 500Ω Load
Voltage	24VDC
Idle Current	50mA
Idle VA Watts	1.2W
Average Current	160mA
Average VA Watts	3.8W
Max Current	490mA
Max VA Watts	11.7W
Dimensions	H 1.5" (39mm) x W 4" (101mm) x D 5.2" (132mm)
Weight	6oz, .165kg
Accessories	
TSD 24VDC Power Supplies	
TSD-RMK 1 RU Rack Panel	
Safety and Certifications	
External Power Supply	cUL, CE, RoHS, TUV

Block Diagram

