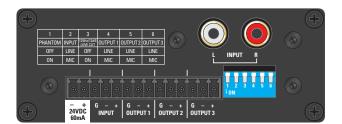
TSD-DA13

1 x 3 Distribution Amplifier





TSD-DA13

Features

- One (1) Balanced Mic/Line Input with Switchable 24V Phantom Power
- High Gain (50dB), Low Noise Mic Preamp
- Summed Dual RCA Input
- Three (3) Isolated Balanced Mic/Line Outputs
- 12dB/Octave Low Cut Filter @ 125Hz
- Input Peak and Signal Indicator LEDs
- High Gain Output for Driving Long Balanced Lines
- Removable Phoenix Style I/O Connectors
- Separate Ground Connections
- Meets Energy Star[™] Standards
- Compact Chassis Design

Audio Applications

- Mic Preamp
- Line Preamp
- Stereo Summing Preamp
- Line Drive
- Zone Divider

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 2.75" 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-DA13 1x3 distribution amplifier is designed to provide clean, isolated signal distribution locally or to remote locations. The unit allows a balanced mic or line level source to be distributed to three isolated variable outputs making it a perfect solution for applications including convention centers, houses of worship, restaurants/sports bars and industrial facilities.

A high quality, low noise mic pre-amp, defeatable 3dB low cut filter @ 125Hz and dual summing RCA line level inputs are included as part of the unit's input section. These features combined with the 3 mic / line level outputs allow for multiple configuration.

Isolation between outputs prevents crosstalk, removes miss matched input impedance concerns and allows for adjustable levels on each connected device.

All I/O (except the summing RCA inputs) is via Phoenix style connectors for installation convenience.

The TSD-DA13 is highly efficient and meets Energy Star™ standards as one 24V DC power supply (available separately) can power multiple Atlas Time Saving Devices.

Installation

- Churches
- Restaurants
- Sports Bars
- Schools
- Industrial Facilities



Specifications

Description 1 x 3 Mic/Line Distribution Amplifier

Chassis ColorBlackChassis MaterialAluminum

Inputs

Type Qty 1, Unbalanced

Connection RCA Left and Right Actively Summed

Impedance $10 \text{K}\Omega$

Input Level 316mV (-10dBV) = 2V (+6dBV) Balanced Output, Maximum Input 6V (15dBV)

Type Oty 1, Balanced Mic or Line Selectable

Connection Removable 3 Position Captive Screw 3.5mm Spacing

Impedance 1.2K Ω Balanced, 600 Ω Unbalanced

Phantom 24VDC Defeatable
Low Cut Filter 125Hz/12dB Defeatable

Line Input Level 1V (0dBV) Balanced = 2V (+6dBV) Balanced Output, Maximum Input 6V (15dBV)

Mic Input Level 46dB Gain 10mV (-40dBV) Balanced = 2V (+6dBV) Balanced Output, Maximum Input 40mV (-27dBV)

Outputs

Type Oty 3, Balanced Mic or Line Selectable

Connection Removable 3 Position Captive Screw 3.5mm Spacing

Impedance 300 Ω Balanced, 150 Ω Unbalanced

Line Output Level 1V (0dBV) In = 2V (+6dBV) Balanced, Maximum Output 6V (15dBV) Mic Input vs Mic Output Level 10mV (-40dBV) In = 80mV (-21dBV), Maximum Output 300mV (-10dBV)

Controls

Input Level Control

Oty 1, Removable Knob with Security Cover
Output Level Control

Oty 3, Removable Knobs with Security Covers

Dip Switch Function • Phantom Power 24VDC

• Input Mic/Line Select

• Input 125Hz/12dB High Pass Filter

• Output Qty 3, Mic/Line Select

Indicators

Input Signal Green, 25mV On Threshold Input Peak Red, -3dB Before Clip

Power Blue

Electrical

Frequency Response 20Hz - 20kHz (±1dB)
THD .06% & 1kHz
Signal to Noise Line to Line: 85dBV
Mic to Line: 78dBV

Line to Mic: 55dBV Mic to Mic: 55dBV

Mounting

Velcro Industrial-Grade, Included

Brackets Oty 2, Included

TSD-RMK Optional 1 RU Rack Mount Panel (Supports 4 TSD Units)

Cable Retainer Oty 2, Included

Power Requirements

Voltage 24VDC
Power Consumption 60mA
Power Consumption 1.4W



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

