Atlas Sound M1000

Atlas Sound M1000 Sound Masking Speaker Instruction Manual

Model: M1000

INTRODUCTION

The Atlas Sound M1000 is an 8-inch dual cone sound masking speaker assembly designed for installation in plenum spaces. This unit is engineered to accurately reproduce sound masking signals, contributing to acoustic privacy and comfort in various environments. It features an integrated 70.7V transformer with an external tap selector for precise system tuning and includes innovative installation hardware for simplified setup.

SAFETY INFORMATION

Always adhere to local electrical codes and safety regulations during installation. Ensure power is disconnected before making any electrical connections. This product is UL 1480 and UL 2043 listed for use in air handling spaces, indicating compliance with safety standards for such environments. Installation should be performed by qualified personnel.

PACKAGE CONTENTS

The M1000 unit comes pre-assembled and includes the following components:

- 8-inch diameter dual cone loudspeaker
- Integrated 70.7V transformer
- Enclosure
- Baffle
- Mounting hardware (including EZ hang brackets and snap hanger assembly)

The pre-assembled unit includes the 8" dia. loudspeaker, transformer, enclosure, baffle, and mounting hardware. The EZ hang brackets and snap hanger assembly are integrated for ease of installation.

SETUP AND INSTALLATION

The M1000 speaker is designed for quick and easy installation in plenum spaces, utilizing its integrated EZ hang brackets.

Mounting

1. **Prepare Mounting Location:** Identify the desired location in the plenum space. The unit is suitable for use above suspended ceiling systems or in open ceiling spaces.

2. **Utilize EZ Hang Brackets:** The factory-installed EZ hang brackets are collapsible and can be configured for upward, downward, or side-firing installation. Extend these brackets as needed.

3. **Secure the Unit:** Use the snap hanger assembly to securely mount the speaker. An optional MCHAIN72 suspension chain system (sold separately) can also be used for quick mounting and height adjustment.

Wiring and Tap Selection

The M1000 features an innovative input panel for electrical connections.

1. **Access Input Panel:** The input panel includes knockouts and a strain relief connector. Remove the plate to access wiring terminals.

2. **Connect Wiring:** Connect the 70.7V audio signal wiring to the terminals. The system accommodates rigid or flexible conduit if required. An integral wire strain relief ensures secure cable termination.

3. **Select Power Tap:** Use the external tap selector switch to choose the desired power setting (0.25W, 0.5W, 1.0W, 2.0W, 4.0W) for the 70.7V system. This allows for precise system tuning to achieve the required sound masking level. Ensure the "OFF" position is selected before making connections.

Figure 1: Atlas Sound M1000 speaker with visible tap selector switch and wiring input. The switch allows selection of power taps from 0.25W to 4.0W for 70.7V systems, or the 'OFF' position.

OPERATING INSTRUCTIONS

The Atlas Sound M1000 is a passive sound masking speaker. Once properly installed and connected to a 70.7V sound masking system, its operation is integrated with the overall system control. The primary operational adjustment is the power tap selection.

- **Power Tap Adjustment:** The external tap selector switch allows you to set the speaker's output power (0.25W, 0.5W, 1.0W, 2.0W, 4.0W) for 70.7V systems. Adjust this setting to achieve the desired sound masking level in the coverage area.
- **System Integration:** The speaker will reproduce the sound masking signal provided by the connected sound masking generator or amplifier. Refer to your sound masking system's manual for overall system operation.

MAINTENANCE

The Atlas Sound M1000 speaker requires minimal maintenance.

- **Cleaning:** Periodically inspect the speaker and enclosure for dust accumulation. Clean with a soft, dry cloth. Do not use liquid cleaners directly on the speaker components.
- **Inspection:** Annually inspect wiring connections and mounting hardware to ensure they remain secure.
- **Environmental Conditions:** Ensure the speaker is operated within its specified environmental conditions. It is designed for plenum spaces.

TROUBLESHOOTING

If you experience issues with your M1000 sound masking speaker, consider the following:

- **No Sound Output:**

  - Verify that the sound masking system amplifier is powered on and functioning correctly.
  - Check all wiring connections from the amplifier to the speaker for continuity and secure termination.
  - Ensure the tap selector switch on the M1000 is not set to "OFF" and is set to a desired wattage (e.g., 0.25W, 0.5W, 1.0W, 2.0W, 4.0W).
  - Confirm the input voltage is 70.7V.

- **Low Sound Output:**

  - Adjust the tap selector switch to a higher wattage setting.
  - Check the output level of the sound masking system amplifier.

- **Distorted Sound:**

  - Ensure the input signal from the sound masking system is not overdriving the speaker.
  - Inspect the speaker cone for any physical damage.

If issues persist, contact Atlas Sound technical support.

SPECIFICATIONS

Figure 2: Dimensions of the Atlas Sound M1000 speaker, measuring 11.5" D x 11.5" W x 5.5" H.

Feature	Detail
Model Name	M1000
Speaker Type	Sound Masking, Specialty
Loudspeaker Diameter	8 Inches (Dual Cone)
Enclosure Volume	734 cubic inches
Transformer	70.7V with external tap selector
Power Taps	0.25W, 0.5W, 1.0W, 2.0W, 4.0W
Maximum Output Power	4 Watts
Input Voltage	70.7 Volts
Product Dimensions (D x W x H)	11.5" x 11.5" x 5.5"
Item Weight	9 Pounds

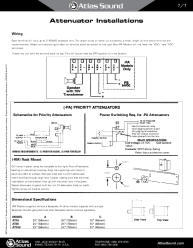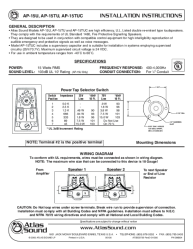| Feature	Detail
Mounting Type	Plenum Mount (EZ hang brackets, snap hanger assembly)
Safety Listings	UL 1480, UL 2043 (for air handling spaces)
Connectivity Technology	Wired (70.7V)
Manufacturer	Atlas Sound
UPC	612079179930

WARRANTY INFORMATION

The Atlas Sound M1000 speaker comes with a Limited Warranty. For specific terms and conditions, please refer to the official Atlas Sound warranty documentation provided with your purchase or visit the Atlas Sound website. This warranty typically covers defects in materials and workmanship under normal use.
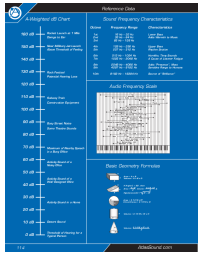
SUPPORT AND CONTACT

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Atlas Sound customer support:

- **Manufacturer:** Atlas Sound
- **Website:** www.atlassound.com
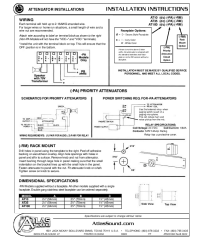- Refer to your product packaging or the Atlas Sound website for the most current contact information.

Related Documents - M1000

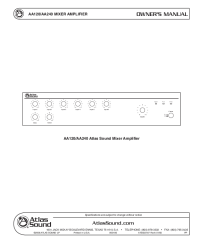|	
	Atlas Sound Attenuator Installations Guide Comprehensive guide to installing Atlas Sound attenuators, covering wiring, schematics, power switching, rack mounting, and dimensional specifications for models AT10, AT35, and AT100.
	Atlas Sound AP-15U, AP-15TU, AP-15TUC Installation Instructions Installation guide for Atlas Sound AP-15U, AP-15TU, and AP-15TUC high efficiency, U.L. Listed double re-entrant loudspeakers. Includes specifications, power tap selector, mounting dimensions, and wiring diagrams for fire protective signaling systems.

[Atlas Sound Reference Data and Product Catalog](#)
Comprehensive reference data including dB charts, frequency scales, electrical formulas, and a detailed rack conversion guide from Atlas Sound, alongside product information and team profiles.
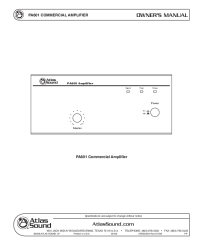
[Atlas Sound Attenuator Installation Instructions](#)
Comprehensive installation guide for Atlas Sound AT10, AT35, and AT100 attenuators, covering wiring, faceplate options, rack mounting, and dimensional specifications.

[Atlas Sound AA120/AA240 Mixer Amplifier Owner's Manual](#)
Comprehensive owner's manual for the Atlas Sound AA120 and AA240 mixer amplifiers, detailing features, operation, safety, and specifications for commercial audio applications.

[Atlas Sound PA601 Commercial Amplifier Owner's Manual](#)
Comprehensive owner's manual for the Atlas Sound PA601 Commercial Amplifier, covering installation, operation, safety, features, specifications, and warranty.