Bose MA12

Bose Panaray MA12 Column Install Speaker User Manual

Model: MA12

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Bose Panaray MA12 Column Install Speaker. Please read this manual thoroughly before using the product to ensure optimal performance and safety.

The Bose Panaray MA12 is a modular vertical line array speaker designed for demanding acoustic environments, offering excellent vocal intelligibility and wide horizontal coverage. Its slim design allows for discreet integration into various architectural settings.

PRODUCT OVERVIEW

Figure 1: The Bose Panaray MA12 Column Install Speaker. This image shows the full height of the speaker, which is a dark, slender column with the Bose logo near the bottom. The speaker is designed for vertical installation.

The Panaray MA12 features twelve 2.25-inch drivers arranged in a vertical line array configuration. This design provides 145-degree horizontal coverage and allows for stacking multiple units to increase vertical coverage and throw distance. It is suitable for various applications including houses of worship, auditoriums, and multipurpose spaces.

SETUP AND INSTALLATION

The Bose Panaray MA12 is designed for professional installation. It is recommended that installation be performed by qualified personnel.

Unpacking

- Carefully remove the speaker from its packaging.
- Inspect the speaker for any signs of damage during transit. Contact your dealer immediately if

damage is found.

- Retain the packaging for future transport or storage.

Mounting Options

The MA12 is primarily designed for floor standing or wall-mounted installations. Specific mounting hardware (sold separately) is required for wall installations.

- **Floor Standing:** Ensure the speaker is placed on a stable, level surface.
- **Wall Mounting:** Use appropriate Bose-approved wall brackets. Follow the instructions provided with the mounting hardware for secure installation. Ensure the wall structure can support the speaker's weight (28.5 pounds / 12.9 kg).
- **Stacking:** For extended vertical coverage, multiple MA12 units can be stacked. Refer to Bose technical documentation for proper stacking configurations and required accessories.

Wiring Connections

The MA12 connects to an amplifier using auxiliary connectivity. Ensure the amplifier is turned off before making any connections.

1. Locate the input terminals on the rear of the MA12 speaker.
2. Connect the speaker cables from your amplifier's output to the MA12's input terminals, observing correct polarity (+ to + and – to –).
3. Ensure all connections are secure to prevent signal loss or short circuits.

OPERATING INSTRUCTIONS

Once the Bose Panaray MA12 speaker is securely installed and correctly wired to a suitable amplifier, follow these steps for operation:

1. **Power On:** Turn on your audio amplifier and any associated audio processing equipment.
2. **Volume Control:** Start with the amplifier's volume control at its minimum setting.
3. **Audio Playback:** Begin playing audio through your system.
4. **Adjust Volume:** Gradually increase the amplifier's volume to the desired listening level. Avoid excessive volume that could cause distortion or damage to the speakers.
5. **System Optimization:** For optimal performance, professional audio system tuning may be required, especially in complex installations with multiple speakers or challenging acoustics.

Note: The MA12 is a passive speaker and requires an external amplifier for operation. Ensure the amplifier's power output matches the speaker's requirements (80 Watts maximum output) to prevent damage.

MAINTENANCE

Regular maintenance helps ensure the longevity and performance of your Bose Panaray MA12 speaker.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior surfaces of the speaker. Do not use abrasive cleaners, solvents, or harsh chemicals.
- **Inspection:** Periodically check all cable connections for tightness and ensure there are no frayed wires.
- **Environment:** Ensure the speaker is used in a dry environment and protected from extreme

temperatures and direct moisture, as it is not waterproof.

- **Ventilation:** Ensure adequate airflow around the speaker, especially if it is enclosed or recessed, to prevent overheating of associated equipment.

TROUBLESHOOTING

If you encounter issues with your Bose Panaray MA12 speaker, refer to the following common problems and solutions:

- **No Sound:**
  - Check if the amplifier is powered on and functioning correctly.
  - Verify all audio cable connections between the amplifier and the speaker are secure and correctly polarized.
  - Ensure the amplifier's volume is turned up and not muted.
  - Test with a different audio source or amplifier if possible.

- **Distorted Sound:**
  - Reduce the amplifier's volume. Overdriving the speaker can cause distortion.
  - Check for damaged speaker cables or loose connections.
  - Ensure the amplifier's power output is appropriate for the MA12 speaker (80 Watts maximum).
  - Verify that the audio source is not distorted.

- **Intermittent Sound:**
  - Inspect all connections for looseness or corrosion.
  - Check for faulty cables; try replacing them if suspected.

If the problem persists after attempting these solutions, contact Bose customer support or a qualified service technician.

SPECIFICATIONS

Feature	Detail
Brand	Bose
Model	Panaray MA12
Speaker Type	Modular Vertical Line Array Speaker
Drivers	12 x 2.25-inch full-range drivers
Horizontal Coverage	145 degrees
Maximum Output Power	80 Watts
Connectivity Technology	Auxiliary (Wired)
Mounting Type	Floor Standing (Wall mounting with optional accessories)
Item Weight	28.5 pounds (12.9 kg)
Package Dimensions	47 x 24.25 x 14 inches (119.4 x 61.6 x 35.6 cm)

Waterproof	No
UPC	017817392297

WARRANTY INFORMATION

The Bose Panaray MA12 Column Install Speaker comes with a **Limited Warranty**. For detailed terms and conditions of the warranty, please refer to the official Bose warranty documentation included with your purchase or visit the official Bose website.

This warranty typically covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.
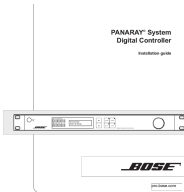
SUPPORT AND CONTACT INFORMATION

For technical assistance, product inquiries, or warranty claims, please contact Bose customer support:

- **Bose Official Website:** www.bose.com
- Refer to the contact section on the official website for phone numbers and email support options specific to your region.

Always provide your product model (MA12) and serial number when contacting support for faster service.

Related Documents - MA12

	[Bose Panaray MA12/MA12EX Modular Line Array Loudspeaker Installation Guide](#) Comprehensive installation guide for Bose Panaray MA12 and MA12EX modular line array loudspeakers, covering safety, mounting, wiring, and system setup.
	[Panaray System Digital Controller II Operating Guide](#) This operating guide provides comprehensive instructions for setting up and operating the Bose Panaray System Digital Controller II. It covers safety information, front and rear panel descriptions, utility mode functions, and various setup configurations for stereo, mono, and bass array operations. Model numbers include 802III, 402II, 502A, 502B, LT6403, LT9400, LT6400, LT3202-III, LT4402-III, LT9402-III, LT9702-III, MA12, MB4, and FreeSpace models.

Panaray® 802® Series IV Loudspeaker Installation Guide Guide de'installation Guide D'installation Installationsanleitung **BOSE PROFESSIONAL** pro.bose.com	[Bose Panaray 802 Series IV Loudspeaker Installation and Safety Guide](#) Official installation and safety guide for the Bose Panaray 802 Series IV loudspeaker. Provides professional installers with essential guidelines for permanent installation, mounting, power, and technical specifications. Learn about safe mounting practices, recommended hardware, and system setup.
Panaray® 802® Series IV Loudspeaker Installation Guide Guide de'installation Guide D'installation Installationsanleitung **BOSE PROFESSIONAL** pro.bose.com	[Bose Panaray 802 Series IV Loudspeaker Installation and Safety Guide](#) Comprehensive installation and safety guide for the Bose Panaray 802 Series IV loudspeaker, covering mounting procedures, safety precautions, power amplifier recommendations, DSP settings, and technical specifications for professional audio installations.
PANARAY® System Digital Controller Installation guide **BOSE** pro.bose.com	[Bose PANARAY System Digital Controller Installation Guide](#) This installation guide provides comprehensive instructions for setting up and operating the Bose PANARAY System Digital Controller. Learn about its DSP architecture, speaker EQ presets, routing capabilities, delay and limiter functions, and technical specifications for professional audio installations.
Panaray® System Digital Controller II Operating Guide Bedienungsanleitung Guide d'utilisation Notice d'utilisation Manuale d'uso Bedieningshandleiding Bruksanvisning **BOSE**	[Bose Panaray System Digital Controller II Operating Guide](#) This guide provides comprehensive operating instructions for the Bose Panaray System Digital Controller II, covering setup, safety information, utility mode functions, and various audio configuration presets for stereo and mono setups.