

Bose IZA 2120-LZ

Bose Professional FreeSpace IZA 2120-LZ Integrated Zone Amplifier

Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Bose Professional FreeSpace IZA 2120-LZ Integrated Zone Amplifier. Designed for commercial sound applications in various environments such as retail stores, classrooms, restaurants, hospitality venues, and conference centers, this amplifier delivers clear, balanced audio for background/foreground music and paging.

The FreeSpace IZA 2120-LZ is a 4-input, 2-output mixer amplifier featuring selectable loudspeaker EQ, Opti-voice paging for intelligible speech, and Dynamic EQ for consistent sound quality across all volume levels. Please read this manual thoroughly before operating the device to ensure proper usage and to maximize its performance and longevity.

2. SAFETY INFORMATION

Always adhere to the following safety precautions to prevent electric shock, fire, or damage to the unit and connected equipment.

- **Power Source:** Connect the amplifier only to the specified power supply voltage. Ensure the power cord is not damaged or pinched.
- **Ventilation:** Do not block any ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Water and Moisture:** Do not expose the unit to rain, moisture, dripping, or splashing. Do not place objects filled with liquids on the unit.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the unit on a stable, level surface or mount it securely in a rack. Avoid placing it near heat sources or in direct sunlight.
- **Cleaning:** Disconnect the power before cleaning. Use a dry cloth only. Do not use liquid cleaners or aerosol cleaners.

3. PRODUCT OVERVIEW

The Bose Professional FreeSpace IZA 2120-LZ is an integrated zone amplifier designed for commercial installations. Its

intuitive front panel controls allow for easy operation and adjustment of audio settings.

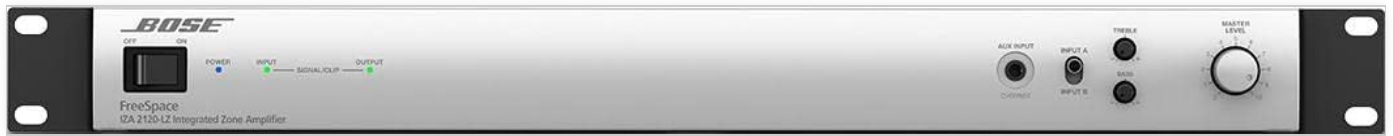


Figure 3.1: Front Panel of the Bose FreeSpace IZA 2120-LZ Amplifier. This image displays the amplifier's front face, featuring the main power toggle switch on the left, followed by LED indicators for Power, Input, Signal/Clip, and Output. To the right, there are input jacks labeled AUX INPUT, INPUT A, and INPUT B. Further right are rotary knobs for TREBLE, BASS, and a large MASTER LEVEL control.

Front Panel Features:

- **Power Switch:** Toggles the amplifier on or off.
- **Power Indicator:** Illuminates when the unit is powered on.
- **Input/Signal/Clip/Output Indicators:** Provide visual feedback on input signal presence, clipping, and output status.
- **AUX Input:** 3.5mm stereo jack for connecting portable audio devices.
- **Input A / Input B:** Input jacks for connecting audio sources.
- **Treble Control:** Adjusts the high-frequency response.
- **Bass Control:** Adjusts the low-frequency response.
- **Master Level:** Controls the overall output volume of the amplifier.

4. SETUP

4.1 Unpacking

Carefully remove the amplifier and all accessories from the packaging. Retain the original packaging for future transport or storage.

4.2 Physical Installation

The IZA 2120-LZ is designed for rack mounting or placement on a flat, stable surface. Ensure adequate ventilation space (at least 1U above and below if rack-mounted) to prevent overheating.

4.3 Connections

Before making any connections, ensure the amplifier is powered off and disconnected from the mains power supply.

- **Audio Inputs:** Connect your audio sources (e.g., music players, microphones, laptops) to the appropriate input jacks (AUX Input, Input A, Input B) on the front or rear panel.
- **Speaker Outputs:** Connect your loudspeakers to the amplifier's output terminals. Ensure correct polarity (+ to + and - to -) for optimal sound.
- **Power Connection:** Once all audio connections are made, connect the power cord to the amplifier's AC inlet and then to a suitable power outlet.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

1. Ensure all connections are secure.
2. Flip the Power Switch on the front panel to the "ON" position. The Power Indicator LED will illuminate.
3. To power off, flip the Power Switch to the "OFF" position.

5.2 Adjusting Volume and Tone

- **Master Level:** Rotate the Master Level knob clockwise to increase the overall output volume and counter-clockwise to decrease it.
- **Treble/Bass:** Use the Treble and Bass knobs to adjust the high and low-frequency response of your audio. Adjust to suit your listening preference and room acoustics.

5.3 Using Opti-voice Paging

The Opti-voice paging system ensures clear and intelligible speech during announcements. When a paging microphone is connected and activated, the system automatically adjusts background music levels for optimal voice clarity and seamless transitions.

5.4 Dynamic EQ

The Dynamic EQ feature automatically adjusts the tonal balance of your music to ensure full and balanced sound reproduction regardless of the volume level. This provides a consistent listening experience from quiet background music to louder foreground audio.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the exterior of the amplifier with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Ventilation:** Periodically check that the ventilation openings are clear of dust and debris. Use a soft brush or vacuum cleaner to remove any blockages.
- **Storage:** If storing the unit for an extended period, disconnect it from power, clean it, and store it in a cool, dry place, preferably in its original packaging.

7. TROUBLESHOOTING

If you encounter issues with your FreeSpace IZA 2120-LZ amplifier, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
No power	Power cord disconnected; Power switch off; No power from outlet.	Check power cord connection; Ensure power switch is ON; Test outlet with another device.
No sound output	Master Level too low; Input source not connected or off; Speaker cables disconnected or incorrect polarity.	Increase Master Level; Check input source and connections; Verify speaker cable connections and polarity.
Distorted sound	Input signal too high (clipping); Speaker impedance mismatch; Faulty cables.	Reduce input signal level; Ensure speakers match amplifier impedance; Replace faulty cables.
Unit overheats	Blocked ventilation; Insufficient airflow.	Ensure ventilation openings are clear; Provide adequate space around the unit.

If the problem persists after attempting these solutions, please contact Bose Professional customer support.

8. SPECIFICATIONS

Feature	Detail
Model	FreeSpace IZA 2120-LZ
Item Weight	14.12 pounds (6.4 kg)
Package Dimensions	27 x 18 x 5 inches (68.6 x 45.7 x 12.7 cm)
ASIN	B0BWSF3B5Q
Date First Available	February 23, 2023
Inputs	4 (including AUX, Input A, Input B)
Outputs	2
Features	Selectable Loudspeaker EQ, Opti-voice Paging, Dynamic EQ

9. WARRANTY AND SUPPORT

Bose Professional products are designed for reliability and performance. This product is covered by a limited warranty. For detailed warranty terms and conditions, please refer to the documentation included with your purchase or visit the official Bose Professional website.

For technical support, troubleshooting assistance, or service inquiries, please contact Bose Professional customer support. You can find contact information and additional resources on the [Bose Store on Amazon](#) or the official Bose Professional website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question