

Ahuja TZA-2000DP

Ahuja TZA2000DP 2 Zone PA Mixer Amplifier User Manual

Model: TZA-2000DP

1. INTRODUCTION

The Ahuja TZA2000DP is a versatile 2-zone PA mixer amplifier designed for public address applications requiring independent control over two distinct audio zones. This manual provides essential information for the proper setup, operation, and maintenance of your amplifier, ensuring optimal performance and longevity.

2. SAFETY INSTRUCTIONS

- Read all instructions thoroughly before operating the amplifier.
- Keep the amplifier away from water or excessive moisture.
- Do not block any ventilation openings. Ensure adequate airflow around the unit.
- Only use attachments and accessories specified by the manufacturer.
- Refer all servicing to qualified service personnel. Do not attempt to repair the unit yourself.
- Disconnect the power cord during lightning storms or when unused for long periods.

3. PRODUCT OVERVIEW

The Ahuja TZA2000DP features 6 microphone inputs, 2 auxiliary inputs, and a dedicated CD/Stereo input (L&R). It also includes a built-in MP3 player with remote control, supporting USB and SD/MMC card readers. This amplifier is suitable for medium-sized installations, such as places of worship, where independent control of two speaker groups is required.

3.1 Front Panel Controls



Figure 1: Front view of the Ahuja TZA2000DP 2 Zone PA Mixer Amplifier, displaying input controls, tone adjustments, and master volume for both zones.

The front panel provides access to all primary controls for audio input, mixing, and output. Key elements include:

- **Microphone Inputs (MIC 1-6):** Individual 1/4-inch jack inputs with dedicated volume controls.
- **Auxiliary Inputs (AUX 1-2):** Inputs for external audio sources with individual volume controls.
- **CD/Stereo Input:** RCA inputs for stereo audio sources.
- **MP3 Player Controls:** Buttons for playback, pause, track selection, mode, and a USB/SD card slot.
- **Tone Controls:** Bass and Treble adjustments for overall sound shaping.
- **Zone 1 & Zone 2 Controls:** Independent volume and tone controls for each output zone.
- **Master Volume:** Overall volume control for the amplifier output.
- **Power Switch:** To turn the amplifier ON or OFF.

3.2 Rear Panel Connections

The rear panel typically houses the main power input, speaker output terminals for Zone 1 and Zone 2, and additional input/output connections. Ensure all connections are secure before operation.

4. SETUP

1. **Placement:** Position the amplifier on a stable, level surface. Ensure adequate ventilation by leaving sufficient space around the unit to prevent overheating.
2. **Power Connection:** Connect the amplifier's power cord to a suitable AC power outlet. Ensure the power switch on the front panel is in the OFF position before connecting.
3. **Speaker Connections:** Connect your speakers to the designated Zone 1 and Zone 2 output terminals on the rear panel. Pay close attention to polarity (+ and -) and ensure the speaker impedance matches the amplifier's specifications.
4. **Input Connections:**
 - **Microphones:** Plug microphones into the MIC 1-6 inputs on the front panel.
 - **Auxiliary Devices:** Connect devices like laptops, phones, or other audio players to the AUX 1 or AUX 2 inputs.
 - **CD/Stereo Player:** Connect a CD player or stereo source to the CD/Stereo RCA inputs.

5. OPERATING INSTRUCTIONS

1. **Power On:** After all connections are made, turn the amplifier's power switch to the ON position.
2. **Input Level Adjustment:** Gradually increase the volume control for the specific input (MIC, AUX, CD/Stereo) you are using.
3. **MP3 Player Operation:** Insert a USB drive or SD/MMC card into the respective slot. Use the MP3 player controls (Play/Pause, Next/Previous, Mode) to select and play audio files. The remote control can also be used for convenience.
4. **Zone Control:** Adjust the individual Zone 1 and Zone 2 volume controls to set the desired output level for each speaker group.
5. **Tone Adjustment:** Use the Bass and Treble controls to fine-tune the overall sound quality to your preference.
6. **Master Volume:** Adjust the Master Volume control for the overall output level of the amplifier.
7. **Power Off:** When finished, turn all volume controls down before switching the amplifier OFF.

6. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the amplifier with a soft, dry cloth. Do not use liquid cleaners or solvents.

- **Ventilation:** Ensure that the ventilation grilles are kept clear of dust and debris to prevent overheating.
- **Storage:** If storing the amplifier for an extended period, disconnect it from power, clean it, and store it in a cool, dry place.

7. TROUBLESHOOTING

- **No Power:**
 - Check if the power cord is securely plugged into both the amplifier and the wall outlet.
 - Verify that the power outlet is functional.
 - Check the amplifier's fuse (if accessible and user-replaceable, refer to the fuse replacement guide).
- **No Sound Output:**
 - Ensure all input and speaker connections are correct and secure.
 - Check that the input source (microphone, AUX device, MP3 player) is active and producing sound.
 - Verify that the input volume controls, Zone volume controls, and Master Volume are turned up.
 - Confirm that the correct input is selected (if applicable).
- **Distorted Sound:**
 - Reduce the input volume level of the source device or the amplifier's input gain.
 - Check speaker impedance compatibility with the amplifier.
 - Ensure speaker cables are not damaged or short-circuited.

8. SPECIFICATIONS

Model Number	TZA-2000DP
Brand	Ahuja
Product Dimensions (LxWxH)	35.21 x 48.42 x 18.88 cm
Item Weight	11 kg
Hardware Interface	USB
Power Source	Corded Electric
Number of Channels	10 (6 Mic, 2 Aux, 2 Stereo)
Connectivity Technology	Auxiliary, USB
Manufacturer	AHUJA RADIOS

9. WARRANTY AND SUPPORT

For warranty information, service, or technical support, please contact your authorized Ahuja dealer or visit the official Ahuja website. Keep your purchase receipt as proof of purchase for any warranty claims.

	<p>AHUJA XDA-3004 Four Channel Class D Amplifier Operation Manual</p> <p>Comprehensive operation manual for the AHUJA XDA-3004 Four Channel Class D Amplifier. Details setup, operation, safety, features, and specifications for professional audio applications.</p>
	<p>AHUJA CMA-7400 Conference System: Operation Manual and Specifications</p> <p>Comprehensive operation manual for the AHUJA CMA-7400 Conference System, covering features, installation, settings, connections, and technical specifications for the CMA-7400 Central Amplifier, CMC-7100, and CMD-7200 microphones.</p>
	<p>Ahuja Public Address Solutions & PA Equipment Product Catalogue 2020</p> <p>Explore the comprehensive Ahuja Public Address (PA) and Sound Equipment Product Catalogue for 2020, featuring a wide range of amplifiers, microphones, speakers, conference systems, and more. Discover solutions for professional audio needs.</p>
	<p>Ahuja Audio Systems: Exhibitions, Roadshows, and Installation Report</p> <p>A comprehensive report detailing Ahuja's extensive network of roadshows, exhibitions, and recent successful installations across various sectors including offices, commercial venues, educational institutions, and places of worship throughout India.</p>
	<p>Ahuja PA News: Latest Updates and Installations</p> <p>Stay informed with Ahuja PA News, featuring updates on dealer meets, training sessions, music forums, and recent installations of Ahuja sound systems across various venues. Discover the latest in public address technology.</p>
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