

Ahuja DPA-770

Ahuja DPA-770 Amplifier User Manual

Model: DPA-770

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Ahuja DPA-770 Amplifier. Please read these instructions thoroughly before using the product to ensure proper setup, operation, and maintenance. Retain this manual for future reference.

2. IMPORTANT SAFETY INSTRUCTIONS

- **Power Source:** Connect the amplifier only to the specified AC voltage (220-240V 50/60Hz) or DC voltage (12-14V car battery).
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the amplifier to rain or moisture. Do not place objects filled with liquids on the apparatus.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Cleaning:** Unplug the unit from the power source before cleaning. Use a dry cloth for cleaning.
- **Overload:** Avoid overloading the amplifier. Ensure speaker impedance matches the amplifier's output specifications.

3. KEY FEATURES

The Ahuja DPA-770 Amplifier is designed for versatile audio applications, offering the following features:

- 4 Microphone (Mic) inputs and 1 Auxiliary (Aux) input for diverse audio sources.
- Integrated MP3 player with USB reader and remote control for convenient audio playback.
- Line Output for connection to an external booster amplifier, expanding sound coverage.
- Active Bass and Treble controls for precise tone adjustment.
- Automatic transfer to DC power (car battery) in case of AC power failure, ensuring uninterrupted operation.

- Multiple speaker output options: 4Ω, 8Ω, 16Ω, and 100V line.

4. PRODUCT OVERVIEW

Below is an image of the Ahuja DPA-770 Amplifier, highlighting its front panel controls and connections.



Figure 1: Front panel of the Ahuja DPA-770 Amplifier. This image displays the various input controls for microphones and auxiliary sources, bass and treble adjustments, master volume, the integrated MP3 player with USB port, and the power switch with output level indicators.

The front panel includes individual volume controls for each microphone input (MIC-1, MIC-2, MIC-3/AUX, MIC-4/USB), Bass and Treble tone controls, a Master volume knob, and the MP3 player interface with a USB port. Output level indicators and the main power switch are also located on the front panel.

5. SETUP INSTRUCTIONS

5.1 Power Connection

- **AC Power:** Connect the amplifier to a standard 220-240V AC, 50/60Hz power outlet using the provided power cord.
- **DC Power (Optional):** For backup or portable use, connect a 12-14V car battery to the DC input terminals. The amplifier will automatically switch to DC power if AC power fails.

5.2 Speaker Connection

Connect your speakers to the appropriate output terminals on the rear panel. Ensure the total impedance of your speakers matches the amplifier's output impedance (4Ω, 8Ω, 16Ω) or use the 100V line output for constant voltage speaker systems.

- For low impedance speakers, connect to the 4Ω, 8Ω, or 16Ω terminals.
- For 100V line speaker systems, connect to the 100V terminal.

5.3 Input Connections

- **Microphones:** Connect microphones to the MIC-1, MIC-2, MIC-3/AUX, or MIC-4/USB input jacks.
- **Auxiliary Devices:** Connect audio sources like CD players, laptops, or smartphones to the AUX input. Note that MIC-3/AUX shares an input, and MIC-4/USB shares an input.
- **USB Playback:** Insert a USB drive containing MP3 audio files into the USB port on the front panel.
- **Line Output:** If connecting to a booster amplifier, use the Line Output jack.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the POWER switch on the front panel to turn the amplifier ON or OFF. The output level indicators will illuminate when the unit is powered on.

6.2 Volume Control

- **Individual Input Volume:** Adjust the volume for each connected microphone or auxiliary source using its dedicated knob (MIC-1, MIC-2, MIC-3/AUX, MIC-4/USB).
- **Master Volume:** Use the MASTER knob to control the overall output volume of the amplifier.

6.3 Tone Control

Adjust the BASS and TREBLE knobs to fine-tune the audio frequency response to your preference or acoustic environment.

6.4 MP3 Player Operation

When a USB drive with MP3 files is inserted, the built-in MP3 player will automatically detect and begin playback. Use the controls on the front panel or the remote control to navigate tracks, play/pause, and adjust MP3 volume.

7. 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 free from dust and obstructions to prevent overheating.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically check all cables and connections for wear or damage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord disconnected; AC outlet faulty; DC battery discharged.	Check power cord connection; Test AC outlet; Recharge or replace DC battery.
No sound output	Speaker connections loose; Input source not connected; Volume knobs turned down; Incorrect input selected.	Verify speaker wiring; Ensure input source is connected and active; Increase individual and master volume; Select correct input.
Distorted sound	Input signal too high; Speaker impedance mismatch; Faulty speaker.	Reduce input volume; Check speaker impedance; Test with different speakers.
MP3 player not working	USB drive not inserted correctly; USB drive corrupted; Unsupported file format.	Reinsert USB drive; Try a different USB drive; Ensure files are MP3 format.

If the problem persists after attempting these solutions, please contact qualified service personnel.

9. TECHNICAL SPECIFICATIONS

Power Output: 100W Max., 75W RMS at 10% THD, 70W RMS at 5% THD

Output Regulation: ≤ 2 dB, no load to full load at 1kHz

Input Channels: 4 × Mic. 0.6mV/4.7kΩ, 1 × Aux 100mV/330kΩ

Frequency Response: 50-15,000Hz ±3dB

Signal to Noise Ratio: 55dB

Tone Controls: Bass: -10dB +7dB at 100Hz, Treble: -10dB +7dB at 10kHz

Outputs: Line: 1V/3.5kΩ, Speaker Outputs: 4Ω, 8Ω, 16Ω & 100V

Power Supply: AC: 220-240V 50/60Hz, DC: 12-14V Car Battery

Power Consumption: AC: 140VA, DC: 3A

Product Dimensions: 30 x 38.5 x 12.5 cm

Item Weight: 10.2 kg

Model Number: DPA-770M

Manufacturer: AHUJA

Country of Origin: India

10. WARRANTY INFORMATION

For warranty details and terms, please refer to the warranty card included with your product or contact Ahuja customer support. Keep your purchase receipt as proof of purchase.

11. CUSTOMER SUPPORT

For technical assistance, service, or spare parts, please contact your authorized Ahuja dealer or visit the official Ahuja website for contact information.

Note: Product specifications are subject to change without prior notice for improvement.

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

Email

you@example.com

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