

## Pomya Pomyak4t7u9z03f-01

# Pomya Car Amplifier Mini Digital HiFi Audio Player User Manual

Model: Pomyak4t7u9z03f-01

## 1. INTRODUCTION

Thank you for choosing the Pomya Mini Digital Car Amplifier. This compact and versatile amplifier is designed to enhance your in-car audio experience, providing clear and powerful sound for your CD, DVD, MP3, and FM audio sources. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

## 2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x HY-2001 Car Amplifier (Blue)
- 1 x English User Manual

## 3. PRODUCT FEATURES

The Pomya Mini Digital Car Amplifier offers a range of features for superior audio performance:

- DC 12V power supply, suitable for car and motorcycle applications.
- Dedicated controls for Treble, Bass, and Master Volume adjustment.
- Supports CD, DVD, and MP3 audio inputs.
- Convenient power on/off control.
- Features two main channel outputs for stereo sound.
- Incorporates a professional-level input operational amplifier IC for clear, transparent, and bright sound reproduction.
- Equipped with four electronic keyboard controls for easy operation.
- Utilizes a high-power four-channel professional power amplifier integrated circuit, ensuring low distortion and strong power output.
- Designed with effective filtering and high-capacity power circuits for stable performance.

- Offers four distinct DSP (Digital Signal Processing) sound field modes.

## 4. SPECIFICATIONS

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Detailed technical specifications for the amplifier:

Parameter	Value
Jack Input	Standard stereo jack (RCA)
Input Voltage	DC 12V
Output Power	RMS 2 x 20W 1KHz
Frequency Response	20Hz - 20kHz
Signal to Noise Ratio	85 decibels
High Control	12dB +/- 10KHz
Bass Control	12dB +/- 100Hz
Level	220MV 47K
Material	Aluminum alloy casing
Power Port	2.1 * 5.5mm
Special Features	Supports USB, MP3, FM, SD, DVD
Product Size (L x W x H)	Approx. 12.50 x 7.00 x 4.00 cm (4.92 x 2.76 x 1.57 in)

## 5. SETUP

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Follow these steps to properly set up your Pomya Car Amplifier:

1. **Power Connection:** Connect a DC 12V power supply (2A or more) to the DC 12V input port on the rear of the amplifier. Ensure the polarity is correct (+ to + and - to -).
2. **Audio Input Connection:** Connect your audio source (CD player, DVD player, MP3 player, etc.) to the RCA input jacks (L for left channel, R for right channel) on the rear of the amplifier.
3. **Speaker Connection:** Connect your speakers to the speaker output terminals on the rear of the amplifier. Ensure correct polarity (R+ to R speaker +, R- to R speaker -, and similarly for the L channel). The amplifier supports speaker impedance of 4-16Ω.



Figure 5.1: Front and rear view of the amplifier, illustrating the power input, audio input (RCA), and speaker output terminals. The front panel shows the Power button, Bass, Volume, and Treble control knobs.



Figure 5.2: Angled view of the amplifier's rear panel, providing a clearer look at the RCA input jacks (L and R) and the speaker wire terminals (R+, R-, L+, L-), along with the DC 12V power input.

## 6. OPERATING INSTRUCTIONS

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Once the amplifier is set up, follow these steps for operation:

1. **Power On/Off:** Press the 'POWER' button on the front panel to turn the amplifier on or off. The button will typically illuminate when powered on.
2. **Volume Adjustment:** Rotate the 'VOLUME' knob to increase or decrease the overall audio output level. Start with a low volume and gradually increase it to a comfortable listening level.
3. **Tone Control:** Use the 'BASS' and 'TREBLE' knobs to adjust the low and high frequencies of the audio, respectively. Rotate clockwise to boost and counter-clockwise to cut.
4. **DSP Sound Modes:** Utilize the four electronic keyboard controls (if present and labeled) to cycle through the available DSP sound field modes, which can optimize the audio for different types of music or listening preferences.



Figure 6.1: Angled front view of the amplifier, clearly showing the Power button, Bass control knob, Volume control knob, and Treble control knob for audio adjustments.

## 7. MAINTENANCE

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Proper maintenance ensures the longevity and performance of your amplifier:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the amplifier. Do not use liquid cleaners or abrasive materials, as they may damage the finish or internal components.
- **Ventilation:** Ensure the amplifier is placed in a well-ventilated area. Do not block the ventilation slots, as

this can lead to overheating.

- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion.

## 8. TROUBLESHOOTING

If you encounter issues with your amplifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power cable not connected; Faulty power supply; Blown fuse (internal)	Check power cable connection; Ensure power supply is providing 12V DC; Contact support if fuse is suspected.
No sound output	Input source not connected; Speaker wires loose or incorrect polarity; Volume too low; Mute engaged on source device	Verify audio input connection; Check speaker wire connections and polarity; Increase volume; Ensure source device is not muted.
Distorted sound	Volume too high; Incorrect speaker impedance; Faulty audio source; Damaged speaker	Reduce volume; Ensure speakers are 4-16Ω; Test with a different audio source; Check speaker condition.
Overheating	Poor ventilation; Excessive load	Ensure amplifier has adequate airflow; Reduce volume or check speaker impedance.

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

## 9. WARRANTY AND SUPPORT

This product is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, troubleshooting assistance, or inquiries about replacement parts, please visit the official Pomya website or contact their customer service department.

**Online Resources:** For additional information and updates, please visit the [Pomya Store on Amazon](#).