

## Topping TP20-MK2

# Topping TP20-MK2 MKII Digital Stereo Amplifier User Manual

Model: TP20-MK2

## 1. INTRODUCTION

The Topping TP20-MK2 MKII is a compact digital stereo amplifier designed to deliver high-fidelity audio performance. Utilizing a Tripath TA2020 mini amplifier IC, this unit provides clear and powerful sound in an ultra-compact chassis, making it suitable for various audio setups.

Key features include:

- CNC-machined aluminum construction for durability and heat dissipation.
- Small size, allowing for flexible placement in almost any environment.
- High efficiency, up to 88%, for reduced power consumption.
- Audiophile sound quality, providing a clear and detailed audio experience.
- Integrated speaker protection circuitry to safeguard connected speakers.

## 2. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before operating this device. Keep this manual for future reference.

- **Power Source:** Only use the provided power adapter or one with identical specifications. Ensure the voltage matches your local power supply.
- **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, or liquids. Do not place objects filled with liquids, such as vases, on the apparatus.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Unplug the unit from the power outlet before cleaning. Use a dry cloth only.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Topping TP20-MK2 MKII Digital Stereo Amplifier
- Power Adapter
- User Manual (this document)



Image 3.1: Topping TP20-MK2 amplifier with its included power adapter.

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel



Image 4.1: Front view of the Topping TP20-MK2 amplifier.

1. **Power Switch:** Toggles the amplifier on or off.
2. **Volume Control Knob:** Adjusts the output volume. Rotate clockwise to increase volume, counter-clockwise to decrease. The blue LED ring indicates power status when on.

## 4.2 Rear Panel



Image 4.2: Rear view of the Topping TP20-MK2 amplifier, showing input and output terminals.

1. **RCA Audio Input (R IN, L IN):** Connect your audio source (e.g., CD player, DAC, smartphone) using RCA cables. R is for the right channel, L for the left channel.
2. **Speaker Output Terminals (R OUT, L OUT):** Connect your passive speakers. Ensure correct polarity (+ to + and - to -) for each channel. R is for the right speaker, L for the left speaker.
3. **DC Power Input (DC12-14V):** Connect the provided power adapter here.

## 5. SETUP INSTRUCTIONS

Follow these steps to set up your Topping TP20-MK2 amplifier:

### 1. Connect Speakers:

Connect your passive speakers to the **Speaker Output Terminals (R OUT, L OUT)** on the rear panel. Ensure that the positive (+) terminal of the amplifier connects to the positive (+) terminal of the speaker, and the negative (-) terminal of the amplifier connects to the negative (-) terminal of the speaker for both left and right channels. Use

appropriate speaker wire.

2. **Connect Audio Source:**

Connect your audio source (e.g., CD player, DAC, computer) to the **RCA Audio Input (R IN, L IN)** on the rear panel using RCA cables. Match the right channel output from your source to R IN and the left channel output to L IN.

3. **Connect Power:**

Ensure the amplifier's power switch is in the OFF position. Connect the provided power adapter to the **DC Power Input (DC12-14V)** on the rear panel, then plug the power adapter into a wall outlet.

Your amplifier is now ready for operation.

6. OPERATING INSTRUCTIONS

1. **Power On:**

Flip the **Power Switch** on the front panel to the ON position. The blue LED ring around the volume knob will illuminate, indicating the amplifier is powered on.

2. **Adjust Volume:**

Start with the **Volume Control Knob** set to a low level (MIN). Begin playing audio from your source, then slowly rotate the volume knob clockwise to increase the volume to your desired listening level.

3. **Power Off:**

When finished listening, rotate the **Volume Control Knob** to the MIN position, then flip the **Power Switch** to the OFF position. The blue LED will turn off.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or aerosols.
- **Storage:** If storing the unit for an extended period, disconnect it from the power supply and store it in a cool, dry place.
- **Handling:** Avoid dropping or subjecting the amplifier to strong impacts.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output.	<ul style="list-style-type: none"><li>• Amplifier not powered on.</li><li>• Audio source not connected or playing.</li><li>• Speaker wires incorrectly connected.</li><li>• Volume too low.</li></ul>	<ul style="list-style-type: none"><li>• Ensure power switch is ON and LED is illuminated.</li><li>• Verify audio source is connected and playing.</li><li>• Check speaker wire connections for correct polarity and secure fit.</li><li>• Increase volume using the control knob.</li></ul>
Distorted or poor sound quality.	<ul style="list-style-type: none"><li>• Input signal too high.</li><li>• Speaker wires loose or damaged.</li><li>• Incorrect speaker impedance.</li></ul>	<ul style="list-style-type: none"><li>• Reduce the volume level on your audio source.</li><li>• Check all speaker wire connections.</li><li>• Ensure speakers are compatible with the amplifier's impedance range.</li></ul>
Amplifier gets hot.	<ul style="list-style-type: none"><li>• Inadequate ventilation.</li><li>• Operating at very high volumes for extended periods.</li></ul>	<ul style="list-style-type: none"><li>• Ensure the amplifier has sufficient space around it for airflow.</li><li>• Reduce volume or allow the unit to cool down.</li></ul>

## 9. SPECIFICATIONS

Brand	Topping
Model	TP20-MK2 (FBATOPPTB20)
Amplifier Type	Class T-AMP Digital Stereo Amplifier
Number of Channels	2
Output Power	23 Watts (Audio Wattage)
Voltage	12-14 Volts (DC)
Power Source	Corded Electric
Material	Aluminium
Item Weight	953 g
Package Dimensions	27.94 x 19.81 x 7.62 cm
UPC	700686413155, 844632092992

## 10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact Topping customer service through their official website or authorized distributors. Please retain your proof of purchase for any warranty claims.

