TOPPING A70Pro-Black

TOPPING A70 Pro Headphone Amp & Preamp User Manual

Model: A70Pro-Black | Brand: TOPPING

1. INTRODUCTION

Thank you for purchasing the TOPPING A70 Pro Headphone Amplifier and Preamp. This device is engineered to deliver exceptional audio performance with its advanced T'ang-ku-la Module, ultra-low noise circuit, and precise R2R volume control. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your A70 Pro to ensure optimal performance and longevity.

Please read this manual thoroughly before using the product and keep it for future reference.

Image: Front view of the TOPPING A70 Pro Headphone Amp & Preamp, showcasing its sleek black design, display screen, and front panel connectors.

2. SAFETY INFORMATION

- Do not disassemble or modify the device. Unauthorized modifications may void the warranty and pose safety risks.
- Keep the device away from water, moisture, and high temperatures.
- Ensure proper ventilation around the device to prevent overheating.

- Use only the provided power cable and accessories.
- Avoid placing heavy objects on top of the device.
- Disconnect the power cable during lightning storms or when unused for long periods.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items are present and in good condition:

- TOPPING A70 Pro Unit
- Remote Control
- AC Power Cable
- 6.35 mm to 3.5 mm Adaptor
- Quick Start Guide
- Warranty Card

Image: A visual representation of the TOPPING A70 Pro package contents, including the main unit, remote control, AC cable, 6.35mm to 3.5mm adapter, and warranty card.

4. PRODUCT OVERVIEW

4.1 Front Panel

The front panel features the display screen, touch buttons for navigation, headphone outputs, and the volume knob.

- **Display Screen:** Full-color screen displaying playback information, FFT, VU meter, and settings.
- **Touch Buttons:** Three capacitive touch buttons for menu navigation and selection.

- **Headphone Outputs:** Balanced XLR 4-pin, 4.4mm balanced, and 6.35mm single-ended outputs.
- **Volume Knob:** Precise R2R relay volume control.

Image: A detailed view of the TOPPING A70 Pro's front panel, highlighting the display, headphone jacks, and volume control knob.

4.2 Rear Panel

The rear panel houses the power input, audio inputs, and the GND/LIFT switch.

- **Power Input:** AC power connector.
- **Audio Inputs:** Balanced XLR and single-ended RCA inputs.
- **GND/LIFT Switch:** For eliminating ground loop noise.
- **12V Trigger:** Input and output for synchronized power control with other devices.

Image: A close-up of the TOPPING A70 Pro's rear panel, illustrating the power input, audio input connectors, and the GND/LIFT switch.

5. SETUP

5.1 Connecting Power

1. Ensure the A70 Pro is turned off.

2. Connect the provided AC power cable to the power input on the rear panel of the A70 Pro.

3. Plug the other end of the power cable into a suitable wall outlet.

5.2 Connecting Audio Sources

The A70 Pro supports both balanced XLR and single-ended RCA inputs. For optimal performance, use balanced connections when possible.

- **XLR Input:** Connect your balanced audio source (e.g., DAC) to the XLR input ports on the rear panel.

- **RCA Input:** Connect your single-ended audio source to the RCA input ports on the rear panel.

The A70 Pro can be expanded with the Ext90 input expansion module (sold separately) to provide a total of four balanced XLR and two single-ended RCA inputs.

Image: A diagram illustrating how the TOPPING A70 Pro's inputs can be expanded using the optional Ext90 module, showing multiple XLR and RCA connections.

5.3 Connecting Headphones/Preamps

- **Headphones:** Connect your headphones to the appropriate output jack on the front panel (XLR 4-pin, 4.4mm balanced, or 6.35mm single-ended). Use the 6.35 mm to 3.5 mm adaptor if your headphones have a 3.5mm plug.

- **Preamplifier Output:** The A70 Pro can also function as a preamplifier. Connect its output to a power amplifier or active speakers using balanced XLR or single-ended RCA cables from the rear panel.

5.4 Ground Loop Noise Elimination

If you experience humming or buzzing noise due to ground loops when connecting multiple devices, use the GND/LIFT switch on the rear panel.

- **GND (Ground):** Default setting, connects the chassis ground to the audio ground.

- **LIFT (Ground Lift):** Disconnects the chassis ground from the audio ground, which can eliminate ground loop noise. Toggle this switch if noise is present.

5.5 12V Trigger Connection

The 12V Trigger allows the A70 Pro to be turned on/off in sync with other compatible audio equipment.

- **12V Trigger IN:** Connect a 12V trigger output from another device to this input. The A70 Pro will power on/off with that device.
- **12V Trigger OUT:** Connect this output to the 12V trigger input of another device. The A70 Pro will control the power of that device.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press the power button on the front panel or use the remote control to turn the A70 Pro on or off.

6.2 Volume Control

The A70 Pro features a precise R2R relay volume control module for accurate adjustments.

- Rotate the volume knob on the front panel to adjust the output volume.
- Use the volume up/down buttons on the remote control for remote adjustment.
- The A70 Pro remembers 8 independent volume settings for various outputs, automatically reverting to the last used volume upon selection.

Image: A visual demonstrating the volume memory feature and the included remote control for the TOPPING A70 Pro.

6.3 Input Selection

Use the touch buttons on the front panel or the remote control to cycle through available audio inputs (XLR, RCA).

6.4 Gain Settings

The A70 Pro offers multiple gain settings to accommodate various headphones and listening preferences. Adjust

the gain via the menu system on the display.

6.5 Aurora U/I and Display Options

The full-color display provides a user-friendly interface with customizable options:

- **Playback Info:** Displays current volume, input, and output mode.
- **FFT (Fast Fourier Transform):** Visualizes the frequency spectrum of the audio.
- **VU Meter:** Analog-style volume unit meter for visual feedback.
- **Customization:** Adjust display brightness, screen timeout, and other preferences through the settings menu.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the ventilation holes are clear of dust and obstructions to prevent overheating.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet issue	Check power cable connection; Try a different outlet
No sound output	Incorrect input selected; Volume too low; Headphone/speaker connection issue	Verify input selection; Increase volume; Check headphone/speaker cables
Humming/Buzzing noise	Ground loop interference	Toggle the GND/LIFT switch on the rear panel
Remote control not working	Batteries low/dead; Obstruction between remote and unit	Replace batteries; Ensure clear line of sight to the unit's IR receiver

9. SPECIFICATIONS

Feature	Detail

Feature	Detail
Model	A70Pro-Black
Output Power	17000mW x 2
Dynamic Range	147dB
Volume Control	Precise R2R Relay Volume Control
Volume Memories	8 independent settings
Display	Full Color Aurora U/I (Playback info, FFT, VU)
Noise Performance	Ultra-low noise circuit, <0.2uVrms @G=L, <0.8uVrms @G=H
Input Impedance	20kΩ
Ground Loop Elimination	GND/LIFT switch
Dimensions	22.2 cm (W) x 17.6 cm (D) x 4.8 cm (H)
Item Weight	4.8 pounds

10. WARRANTY AND SUPPORT
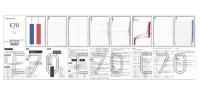
The TOPPING A70 Pro comes with a warranty as detailed on the included Warranty Card. Please refer to the card for specific terms and conditions.
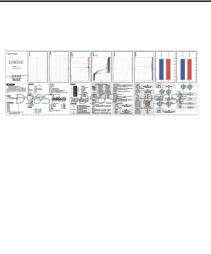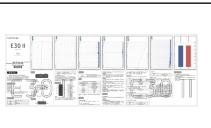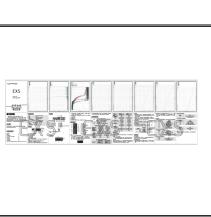
For technical support, product inquiries, or warranty claims, please contact TOPPING customer service through the official TOPPING website or your authorized dealer. The Quick Start Guide also contains initial support information.

You can visit the official TOPPING store for more information: TOPPING Store on Amazon

Related Documents - A70Pro-Black

	TOPPING E70 User Manual and Technical Specifications Comprehensive user manual and technical specifications for the TOPPING E70 audio device, detailing its features, performance measurements, and operational guidelines.
	Topping A90 Discrete Headphone Amplifier User Manual Comprehensive user manual for the Topping A90 Discrete Fully Discrete Balanced Headphone Amplifier, detailing its features, specifications, and operation.

E2x2 使用手册® User Manual®	**TOPPING E2x2 Audio Interface User Manual** User manual for the TOPPING E2x2 audio interface, detailing its features, connections, operation, troubleshooting, and specifications.
	TOPPING D90SE Desktop Full Balanced DAC User Manual User manual for the TOPPING D90SE Desktop Full Balanced DAC, detailing its features, specifications, operation, and settings. Includes information on MQA technology and FCC compliance.
	Topping E30 II DAC User Manual and Specifications Comprehensive user manual and technical specifications for the Topping E30 II HiFi DAC, detailing its features, operation, and performance for USB, Coaxial, and Optical inputs.
	TOPPING EX5 DAC and Headphone Amplifier User Manual Comprehensive user manual for the TOPPING EX5, a high-performance balanced DAC and headphone amplifier with multiple digital inputs and outputs. Includes product specifications, operation instructions, and troubleshooting tips.