

# Arylic BP50 Bluetooth Preamplifier User Manual

Model: BP50 | Brand: Arylic

## 1. INTRODUCTION

The Arylic BP50 is a versatile Bluetooth 5.2 aptX Home Audio Preamplifier designed to integrate modern wireless and digital audio sources with traditional home stereo systems. It features a wide array of inputs including HDMI ARC, Phono, Optical, Line In, and USB, along with RCA and subwoofer outputs. The BP50 also supports Bluetooth transmission, allowing you to send audio to Bluetooth headphones or speakers. This manual provides detailed instructions for setup, operation, and maintenance of your BP50 preamplifier.

## 2. SAFETY INFORMATION

- Ensure the device is connected to a power source with the correct voltage.
- Do not expose the unit to water, moisture, or extreme temperatures.
- Avoid placing the unit near heat sources or in direct sunlight.
- Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Disconnect power during lightning storms or when unused for long periods.

## 3. PACKAGE CONTENTS

Please check the package for the following items:

- Arylic BP50 Bluetooth Preamplifier
- Remote Control
- Power Adapter
- User Manual (this document)
- Antennas

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel



**Figure 4.1:** Front view of the Arylic BP50 preamplifier. It features a power switch, input indicators (Standby, Bluetooth, Line, Phono, Optical, HDMI ARC, USB, DAC), and a volume/mode knob.

The front panel provides easy access to essential controls and indicators:

- **ON/OFF Switch:** Powers the unit on or off.
- **Input Indicators:** LEDs illuminate to show the currently selected audio input (Standby, Bluetooth, Line In, Phono, Optical, HDMI ARC, USB, DAC).
- **Volume/Mode Knob:** Controls the audio output volume. Pressing the knob cycles through input modes.

### 4.2 Rear Panel

# Bluetooth Receiver Mode

## Source Audio



Smart Phone



Tablet



TV(ARC)



Vinyl



Laptop/PC



Xbox/PS4/5



CD Player



USB Disk



## Audio Output



Active Speaker



Audio Amplifier



Active Subwoofer

Figure 4.2: Rear view of the Arylic BP50 preamplifier, detailing all connection ports.

The rear panel houses all connectivity options:

- **BLE Antenna:** For Bluetooth Low Energy connection.
- **DC Input:** Power connection port.
- **GND:** Ground terminal for Phono input.
- **Coaxial Out:** Digital coaxial audio output.
- **SW Out:** Subwoofer output for connecting an active subwoofer.
- **Line Out (RCA):** Analog RCA stereo audio output.
- **Optical Out:** Digital optical audio output.
- **Phono In (RCA):** Analog RCA input for turntables with a built-in preamplifier.
- **Line In (RCA):** Analog RCA stereo audio input for general audio devices.
- **Optical In:** Digital optical audio input.
- **ARC (HDMI):** HDMI Audio Return Channel input for TV audio.

- **USB:** USB input for playing audio from USB storage devices.
- **DAC:** USB DAC input for connecting to a computer.
- **Reset:** Button to reset the device.
- **BT Antenna:** For Bluetooth audio connection.

## 5. SETUP

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### 5.1 Connecting to Power

Connect the provided power adapter to the DC Input port on the rear panel of the BP50, then plug the adapter into a wall outlet. The unit will enter standby mode.

### 5.2 Connecting Audio Sources

The BP50 supports various audio input types:

- **HDMI ARC:** Connect an HDMI cable from your TV's HDMI ARC port to the BP50's ARC input. This allows your TV's audio to play through the BP50 and connected speakers, and often allows TV remote control of volume.
- **Phono Input:** Connect your turntable's RCA output to the BP50's Phono In ports. Ensure your turntable has a built-in preamplifier or use an external one. Connect the turntable's ground wire to the BP50's GND terminal if available.
- **Line In (RCA):** Connect analog audio devices (e.g., CD player, cassette deck) using RCA cables to the Line In ports.
- **Optical In:** Connect digital audio devices (e.g., game console, set-top box) using an optical cable to the Optical In port.
- **USB:** Insert a USB flash drive containing audio files into the USB port.
- **USB DAC:** Connect the BP50 to your computer via a USB cable to use it as an external DAC.

# Bluetooth Receiver Mode

## Source Audio



Smart Phone



Tablet



TV(ARC)



Vinyl



Laptop/PC



Xbox/PS4/5



CD Player



USB Disk



## Audio Output



Active Speaker



Audio Amplifier



Active Subwoofer

Figure 5.1: Bluetooth Receiver Mode connections, illustrating various source devices.

## 5.3 Connecting Audio Outputs

Connect the BP50 to your audio system:

- **RCA Outputs:** Connect the Line Out (RCA) ports to the input of your amplifier, powered speakers, or AV receiver.
- **Subwoofer Output:** Connect an active subwoofer to the SW Out port for enhanced bass.
- **Bluetooth Transmitter Mode:** The BP50 can transmit audio to up to two Bluetooth headphones or speakers simultaneously.

# Bluetooth Transmitter Mode

**Source Audio** (Bluetooth input is not available in transmitter mode)



TV(ARC)



Xbox/ PS4/5



Vinyl



Laptop / PC



CD Player



USB Disk



**Audio Output**



Support transfer to 2 Bluetooth devices

Figure 5.2: Bluetooth Transmitter Mode, showing audio output to two Bluetooth headphones.

## 6. OPERATING INSTRUCTIONS

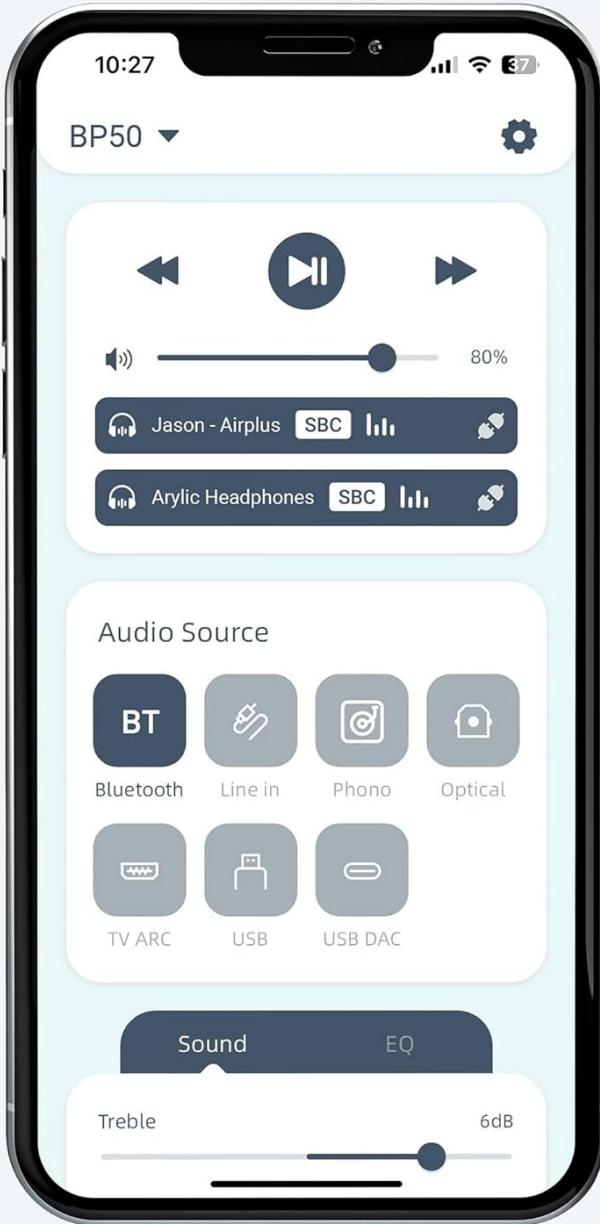
### 6.1 Basic Operation

- Power On/Off:** Press the ON/OFF switch on the front panel.
- Volume Control:** Rotate the Volume/Mode knob on the front panel or use the remote control to adjust the volume.
- Input Selection:** Press the Volume/Mode knob to cycle through available inputs (BT, Line, Phono, OPT, ARC, USB, DAC). Alternatively, use the dedicated input buttons on the remote control.

### 6.2 GO CONTROL APP

The GO CONTROL APP provides comprehensive control over your BP50. It is available for both iOS and Android devices.

# GO CONTROL APP



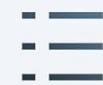
TX Pairing



Source Switch



EQ Control



USB Playlist



Name Devices

Figure 6.1: Various screens of the GO CONTROL APP, showing playback, EQ, and settings.

- **Download:** Search for "GO CONTROL" in your device's app store.
- **Connection:** Ensure your mobile device's Bluetooth is enabled and connect to the BP50.
- **Features:** The app allows you to:
  - Customize EQ settings (equalizer).
  - Change device name.
  - Select custom themes.
  - Manage USB playlists.
  - Control audio source selection.
  - Adjust volume and playback.

## 6.3 Bluetooth Receiver Mode

To receive audio via Bluetooth:

1. Select "BT" as the input source on the BP50.

2. On your source device (smartphone, tablet, computer), enable Bluetooth and search for "Arylic BP50".
3. Select the BP50 to pair. Once paired, audio from your device will play through the BP50.

## 6.4 Bluetooth Transmitter Mode

The BP50 can transmit audio from any of its inputs to Bluetooth headphones or speakers.

1. Ensure the BP50 is playing audio from your desired input source (e.g., Phono, HDMI ARC).
2. Put your Bluetooth headphones/speakers into pairing mode.
3. On the BP50, activate Bluetooth transmission (refer to the remote control or app for specific button/setting). The BP50 can transmit to up to two Bluetooth devices simultaneously.

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**Video 6.1:** An overview of the Arylic BP50 Bluetooth Preamplifier, demonstrating its features and connectivity options, including its ability to transmit audio to Bluetooth headphones.

## 6.5 ACP Workbench Tuning Tool

The ACP Workbench is a Windows-based software tool developed by Arylic for advanced audio customization.

- **Functionality:** Allows for real-time response tuning, customizing EQ for each channel, adjusting L/R balance, and adding various audio effects.
- **Compatibility:** This software is for Windows operating systems only and may require a fee.
- **Usage:** Connect your BP50 to a Windows PC to utilize this tool for fine-tuning your audio experience. Settings can be saved and applied to other Arylic devices.

## 7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block any ventilation openings.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; power outlet faulty.	Check power cable connection; try a different outlet.
No sound output	Incorrect input selected; volume too low; output cables loose; connected amplifier/speakers off.	Verify correct input; increase volume; check all cable connections; ensure connected audio equipment is powered on.
Bluetooth pairing issues	BP50 not in pairing mode; source device too far; interference.	Ensure BP50 is in BT input mode; move source device closer; restart both devices.

Problem	Possible Cause	Solution
Digital noise/pop sound (ARC/Optical)	Firmware issue; signal incompatibility.	Check Arylic's official website for firmware updates. Ensure source device output settings are compatible.
Input switching issues / No volume after standby	Temporary software glitch.	Power cycle the BP50 (turn off and on). Allow a few seconds for the unit to fully initialize, especially when using HDMI ARC.
App connectivity issues	Bluetooth connection unstable; app version outdated.	Ensure strong Bluetooth connection; update GO CONTROL APP to the latest version.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	BP50
Bluetooth Version	5.2 with aptX HD
DAC Chip	ESS ES9023P
Inputs	HDMI ARC, Phono (RCA), Line In (RCA), Optical In, USB, USB DAC, Bluetooth Receiver
Outputs	Line Out (RCA), Subwoofer Out, Coaxial Out, Optical Out, Bluetooth Transmitter
Bluetooth Transmission Range	Over 10 meters
Dimensions	11.81 x 9.21 x 3.07 inches
Item Weight	3.06 pounds
Color	Black
Manufacturer	Rakot Technology (Shenzhen) Co., Ltd.

## 10. WARRANTY AND SUPPORT

Arylic products are designed for reliability and performance. For warranty information and technical support, please refer to the warranty card included with your product or visit the official Arylic website. You can also contact Arylic customer service for assistance with any issues or questions regarding your BP50 preamplifier.

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