

Arylic

BP50

User's Manual



Wireless Stereo Pre-Amplifier with Audio Transmitter



aptX HD



TV ARC



Audio TX



EQ



APP

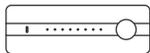
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1. Introduction

Arylic BP50 is a Bluetooth wireless stereo pre-amplifier with the ability to transmit your music wirelessly to Bluetooth earphones. BP50 has both analog and digital output for use with your amplifier or active speakers, it also comes with different types of analog and digital inputs including phono input for use with turntable, TV ARC input for use with TV. You can also play music files stored in USB disk drive or direct connect to a PC. All the input sounds can be output to connect amplifier or stream wirelessly to Bluetooth earphones or earbuds. You can control BP50 with remote controller or with our free mobile application for both Android and iOS system, which lets you have full control on the device with user friendly EQ system.

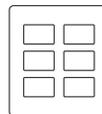
2. What's in the box



Main Unit x1



User's Manual x1



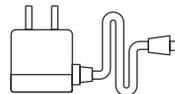
Usage x1



Antenna(3dB) x2

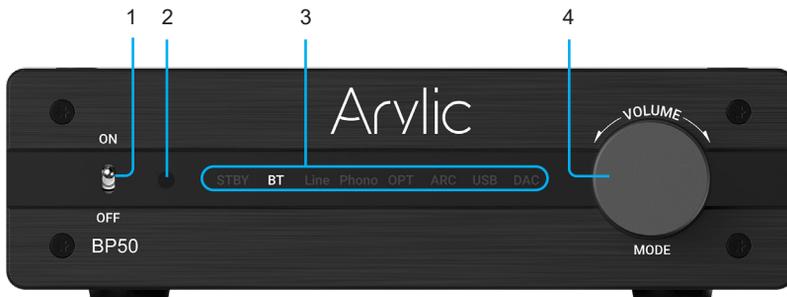


Remote Control x1



Power Adapter 12V/1A x1

3. Interface



1. Turn on/off power of device.
2. IR sensor: For IR remote controller to control the device.
3. Status LEDs: LEDs indicate current status/input source.

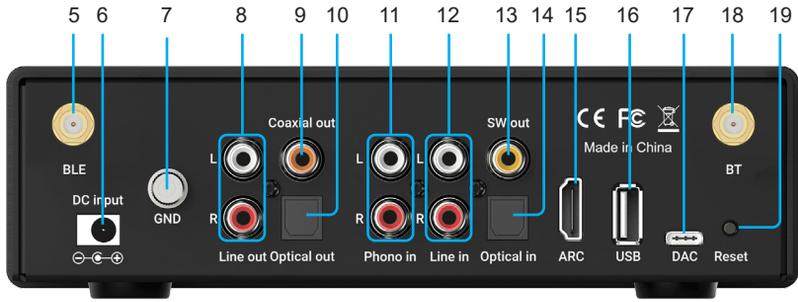
When BT LED is flashing, it indicates the device is in BT Receiver (RX) mode and is waiting for connection. Once connected the LED will stay on.

When one of the source input LED is on and BT LED is also on, it indicates BT Transmitter (TX) mode is on and is using the current source as input.

All LEDs will turn on during firmware update, do not turn off power at this time, wait till all LEDs turn off and back to BT mode.

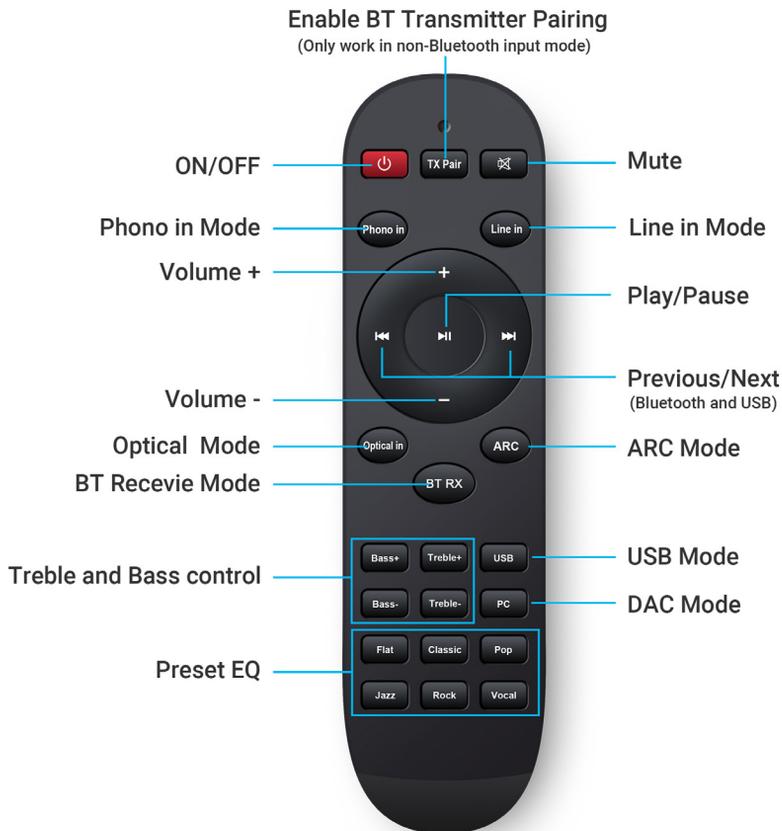
All LEDs will start flashing when device goes in protection mode, please turn off the device and check for reason (generally is either over heat or output is short-circuited)

4. Volume knob + Input mode button: Turn to increase/decrease volume.
Press to change input source mode.



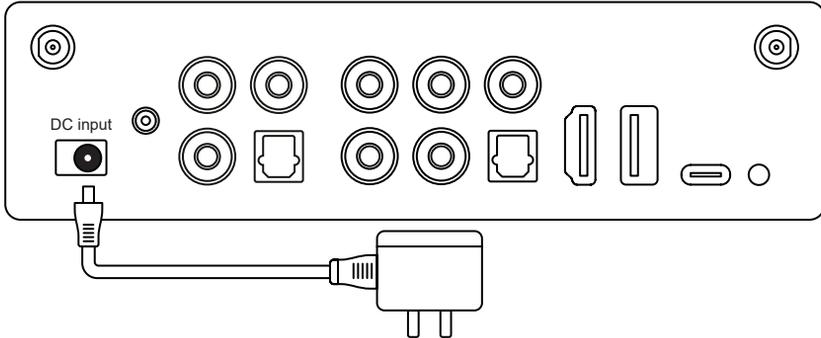
5. BLE Antenna: For Bluetooth BLE connection.
6. DC input: Please use the power adaptor comes with the package, using other power adaptor might damage the device.
7. Ground connector: For connection to turntable GND connector (Optional).
8. Line out connector: For connection to amplifier, active speaker or device with line input.
9. Coaxial out connector: For connection to soundbar, amplifier, or device with coaxial input.
10. Optical out connector: For connection to soundbar, amplifier or device with optical input.
11. Phono input connector: For connection to turntable as phono amplifier.
12. Line input connector: For connection to device with line output.
13. Subwoofer output connector: For connection to active subwoofer.
14. Optical input connector: For connection to device with optical output.
15. TV ARC connector: For connection to TV HDMI ARC port.
16. USB Type-A port: For connection to USB disk drive.
17. USB Type-C port: For connection to PC.
18. BT Antenna: For Bluetooth connection.
19. Reset button: When in Bluetooth Receiver mode, press twice to disconnect all Bluetooth connections.
When in Source input mode, press once to enable Bluetooth Transmitter connection, press twice to disconnect all Bluetooth connections.
When a Bluetooth device or mobile is connected, press once to start second device connection.
Press and hold the button to do factory reset.

4. Remote Controller



5. Installation

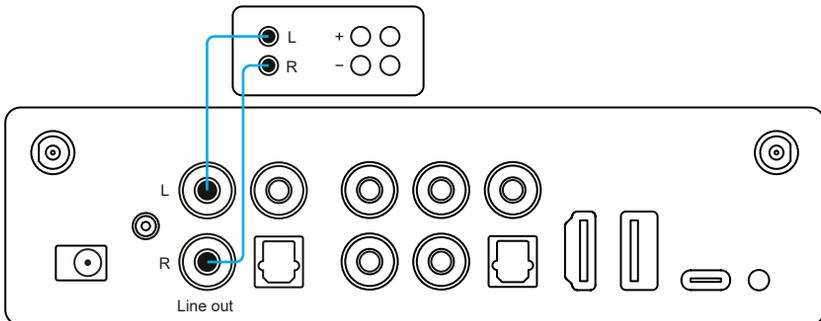
Install both antennas to the device and plug in the power adaptor.
(Please make sure power is off before connecting.)



6. Connection

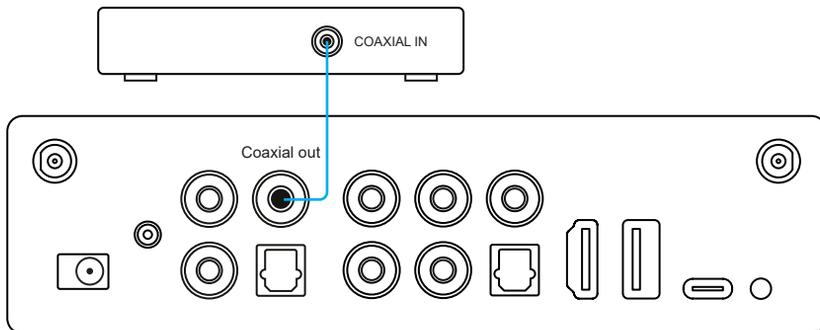
6.1 Line Out

Use RCA cables to connect the device to your active speakers, amplifier or other device with line input.



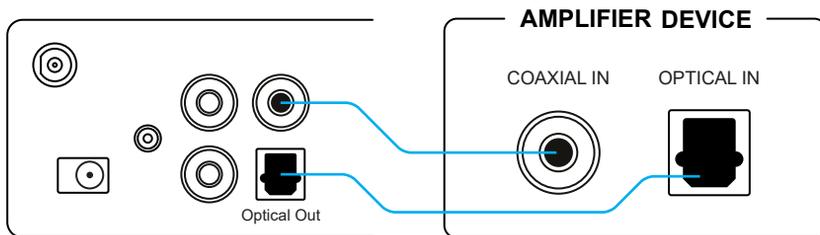
6.2 Coaxial Out

Use coaxial cable to connect the device to your soundbar or other device with coaxial input.



6.3 Optical Out

Use optical cable to connect the device to your amplifier or other device with optical input.



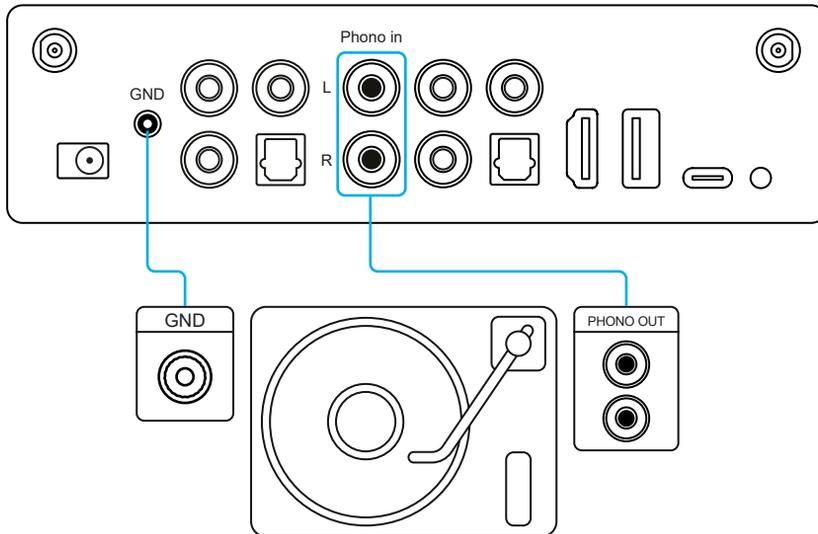
6.4 Phono in

Connect the turntable Audio out to the Phono in RCA connectors.

If your turntable has GND socket, you can connect it to the GND socket on the device. This is optional, if your turntable doesn't have GND socket, you can ignore it.

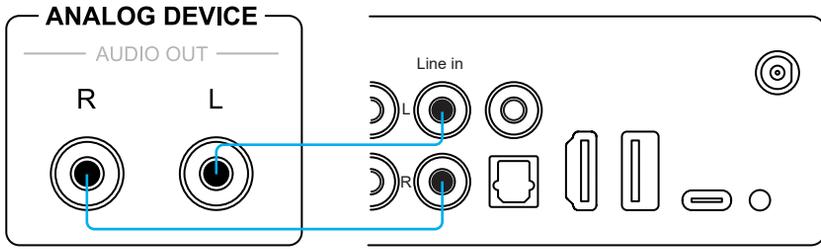


*Do not connect other device Line out to Phono in, it will create very loud voice and might damage the device and connected speakers.



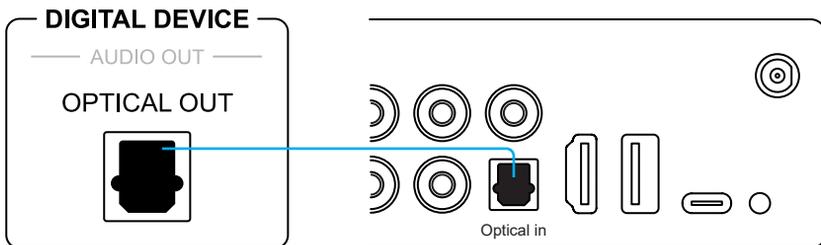
6.5 Line in

Connect any playback device with Audio out/Line out/AUX out to Line in using an RCA cable.



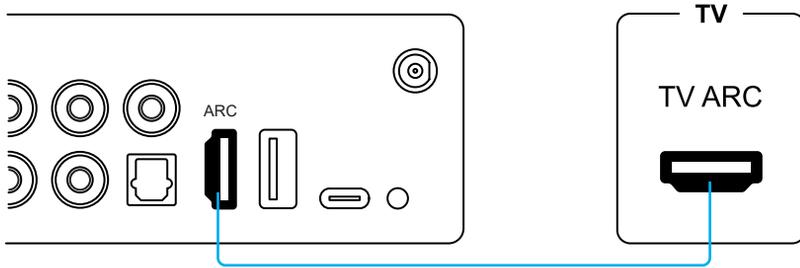
6.6 Optical in

Connect any playback device with Optical out to Optical in using an optical cable.



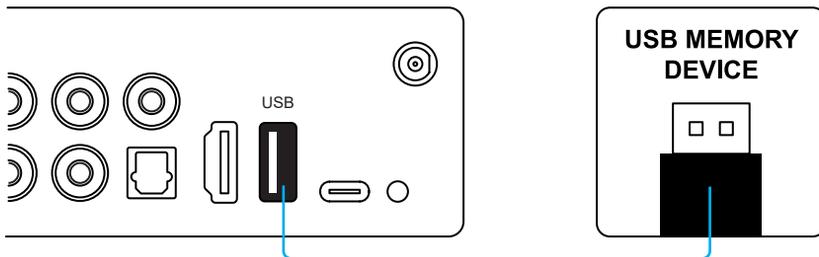
6.7 TV ARC

If your TV has an HDMI ARC port, there should be an ARC text beside it. You can use an HDMI cable to connect it to the ARC port on the device.



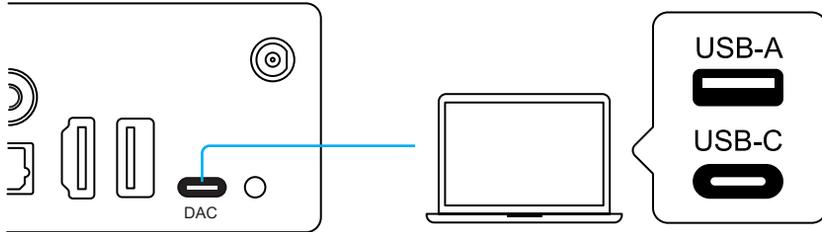
6.8 USB Disk Drive

Plug in a USB disk drive to the USB Host to play music.



6.9 Connect to PC

Connect PC with a USB Type-C cable. Please make sure this cable is a Data link cable and not just a charging cable, or else your PC will not recognize the device.



7. Usage

7.1 Bluetooth Receiver Mode

When in Bluetooth receiver mode, the BT LED will be flashing which indicates it is waiting for connection. In your BT transmitter device (mobile phone, pad, TV) you can search for a Bluetooth device name “BP50 XXXX” (XXXX is the serial number) and connect to it.

Once connected, the BT LED will stay on which indicates the connection is successful and you can start playing music from the connected device and hear the sound coming out of the connected output device.

The device will remember connected devices, it will auto connect to paired device.



You can connect up to 2 devices at the same time, once the first device has been connected, press the Reset button on the back of the device or press the BT button on the remote controller to enter pairing mode for the second device. The connection process is the same as the first device.

Please note, only one device can play music at a time, only when the current playing device stop music playback, can the other device start streaming music.

To disconnect the Bluetooth connection, quickly press the Reset button twice to disconnect all the connection.

7.2 Bluetooth Transmitter Mode

To enable Bluetooth transmitter mode, once you are in one of the source input modes (Line in / Phono in / Optical in / TV ARC / USB disk drive / USB DAC) press the Reset button on the back or press the BT TX button on the remote controller to enable.

Once enabled, you will notice the BT LED will start flashing, the device will then search for nearby Bluetooth receiver device (Bluetooth Speakers, headphones) and connect to it.



Please note, some BT receiver device might need you to enter pairing mode first, some BT receiver device might need to press a connection button to establish the connection. Please refer to the device user manual or contact the seller for advice if needed.



After successfully connected, the BT LED will stay on and you should be able to hear the sound coming out from the connected Bluetooth device, and the connected output device will have no sound.

You can connect a second BT receiver device once the first device has been successfully connected. Press the Reset button on the back or press the BT TX button on the remote controller will trigger the device to enter pairing mode for the second BT receiver device. The connection process is the same as the first device.

Connecting the second device will take 20 to 50 seconds, please be patient.

Once connected, both BT receiver device will have sound output.

To disconnect the Bluetooth connection, quickly press the Reset button twice to disconnect all the connection.

7.3 Line in Mode

You can connect any analog device with line out to BP50. You will need to switch to Line in mode with the Mode button on the device, use the remote controller or in the Go Control APP. The Line LED will turn on when BP50 is Line in mode.

You can also stream Line in audio through Bluetooth and listen from connected Bluetooth receiver devices such as Bluetooth speakers or Bluetooth headphone.



7.4 Phono in Mode

B5P0 is also a turntable amplifier, you can connect your turntable to the Phono in connectors and the GND connector to play music. Press the Mode button on the device, use the remote controller or in the Go Control APP to switch to Phono in mode. The Phono LED will turn on when you in Phono in mode.

You can also stream turntable audio through Bluetooth and listen from connected Bluetooth receiver devices such as Bluetooth speakers or Bluetooth headphone.

Please note, compare to Line in mode, Phono in mode has a very high amplification due to the low volume of turntable. Do not connect any analog device line out to Phono in, it will create a very loud voice and risk of damaging the device and connected speakers.



7.5 Optical in Mode

You can connect any device with digital optical output to BP50. You can press the Mode button on the device, use the remote controller or in the Go Control APP to switch to Optical in mode. The OPT LED will turn on when you in Optical in mode.

You can also stream Optical in audio through Bluetooth and listen from connected Bluetooth receiver devices such as Bluetooth speakers or Bluetooth headphone.



7.6 TV ARC Mode

Nowadays most TV comes with TV ARC which is a special HDMI port for audio output. BP50 has such TV ARC port for you to connect to your TV as an external stereo sound system and play music from your passive speakers. In order to use TV ARC, you will need to press the mode button on the device, use the remote controller or in the Go Control APP to switch to TV ARC mode. The ARC LED will turn on when you in TV ARC mode. BP50 support HDMI CEC function.

You can also stream the music from TV through Bluetooth and listen from Bluetooth headphone, when you want to watch TV without disturbing others.



7.7 USB Disk Drive Playback Mode

If you have many music files and you want to play them, you can store them in a USB disk drive and playback from BP50. Just plug in the USB disk drive with music files and BP50 will auto switch to USB Mode and playback the music. The USB LED will turn on.



BP50 also has resume playback function, if you stop playing the music or switch to another source input mode or unplug the USB disk drive, BP50 will start from the last song being played when you enter USB disk drive playback the next time.

You can also stream stored music to connected Bluetooth speakers or headphones via Bluetooth transmitter mode.



- * Please note the USB disk drive file format has to be Fat16/Fat32/exFat.
- * Can support up to 128GB USB disk drive.

7.8 USB DAC Mode

You can connect BP50 to your PC to work as an external USB stereo sound system using a USB Type-C cable. Please make sure the cable you use is data link cable and not just a charging cable. Some charging cable is only for battery charging and does not contain data link to transfer data.

You will need to select BP50 as the sound output device in your PC for it work. Look for the device name call "Up2Stream USB Audio" and connect to it. Same as other input modes, you can stream your PC audio to other connected Bluetooth device.



8. ACPWrokBench (Sell Separately)

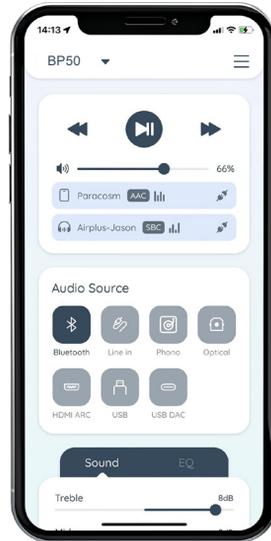
ACPWorkbench is a windows application that allows you to tune BP50 audio effects conveniently, including Music Noise Suppressor, Virtual Bass, Stereo Widener, Exciter, 10 bands EQ and many more. When tuning, it will have real-time feedback and you can save and export the changes you made for use in another BP50 device.



9. Mobile Application

Go Control is a user-friendly control application for BP50. You can easily take control of the device without complicate configuration, Go Control will automatically detect close by BP50 device and connect to it. Go Control lets you do playback control, input source selection, enable Bluetooth pairing, enable Bluetooth transmission and in-depth EQ settings for BP50 device.

Go Control is available in both Google Play Store and Apple App Store.



Features:

1. Manage multiple devices in one app.
2. Playback controls, such as stop, pause, mute, previous, next.
3. Switch audio sources remotely.
4. Control and show connected phone info and bluetooth codec in RX mode.
Control and show connected earphone info in TX mode.
5. Dark mode, Change device name, LED on/off, check firmware version.
6. More features available in future.

10. Specification

Bluetooth			
Bluetooth Standard	5.2		
Transmit	2x Bluetooth TX, able to connect up to 2 Bluetooth speaker or earbuds		
Receive	2x Bluetooth RX, able to connect up to 2 Bluetooth transmitter devices		
Codec	aptX HD, aptX LL, aptX AD, AAC, SBC		
Audio I/O			
Audio Input	Line in	Analog RCA, Max 2Vrms input	
	Phono in	Analog RCA, Support MM/MC	
	Optical in	Up to 192kHz/24bit PCM only	
	TV ARC	PCM only, CEC function supported	
	USB Host	USB disk drive playback, support resume playback Storage format: Fat16, Fat32, exFAT, up to 128GB Support codec: mp3, mp4, wma, mov, m4a, aac, flac(96kHz/24bit), ape	
	USB Type-C	USB DAC for PC connection, Sample rate: 48kHz	
Audio Output	Subwoofer out	Max 3Vrms output, Cutting frequency: 250Hz	
	Line out	Max 2Vrms output	
	Optical out	48kHz/16bit output	
	Coaxial out	48kHz/16bit output	
General			
Power Input	12V/1A	Size	185 x 155 x 50 mm
Weight	750g	In the Box	Main Unit x1 / Antenna(3dB) x2 / Remote Control x1 User's Manual x1 / Power Adapter x1

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User's Manual



Forum



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