Arylic

B50SE

User's Manual

# Wireless Stereo Amplifier

50W x2

EQ

Low Latency

USB Disk

APP

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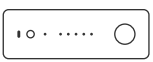
## 1. Introduction

Arylic B50SE is a Bluetooth wireless stereo amplifier with 50W x2 amplification power. B50SE lets you easily stream music from your device via Bluetooth, it also comes with both analog and digital inputs for use with other audio devices. B50SE also support USB disk drive playback with resume playback function and direct connect to PC as DAC. You can control B50SE with remote controller or with our free mobile application for both Android and iOS system, that lets you have full control on the device plus user friendly EQ system.

## 2. What's in the box

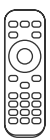


Main Unit x1

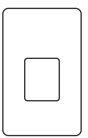
Antenna(3dBi) x1

User's Manual x1

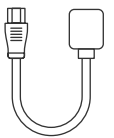
Usage x1



Remote Control x1

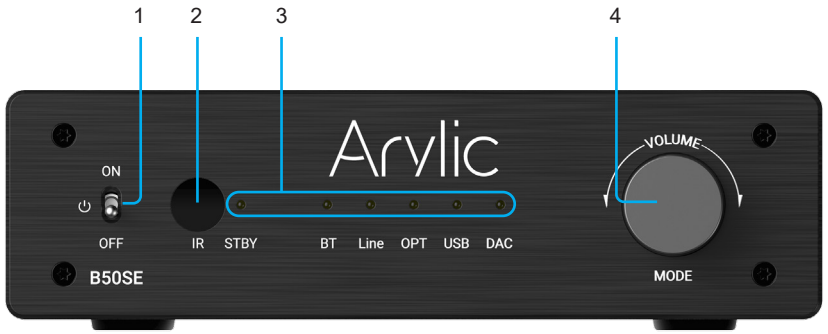


Power Adapter 24V/4.16A x1



Power Cable x1

## 3. Interface



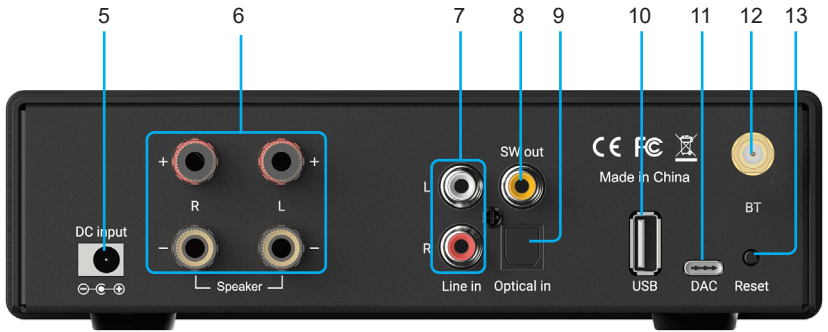

1. Turn on/off power of device.
2. IR sensor: For IR remote controller to control the device.
3. Status LEDs: LEDs indicate current status/input source.

   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.

   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.

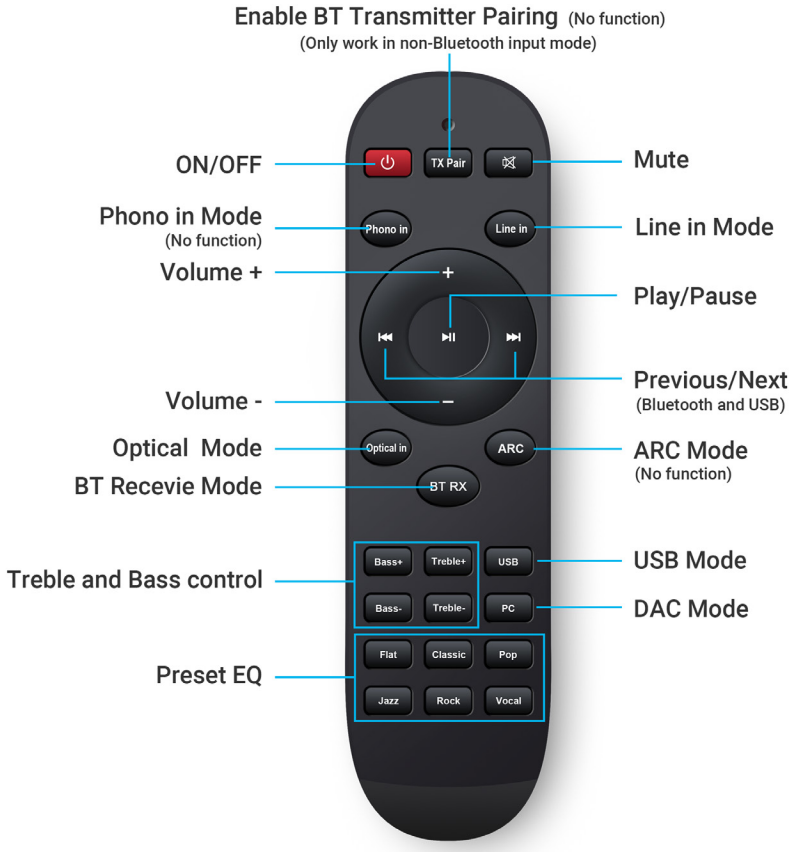
   Press to change input source mode.




5. DC input: Please use the power adaptor comes with the package, using other power adaptor might damage the device.
6. Speaker out banana plug: For connection to 4-8ohm passive speakers.
7. Line input connector: For connection to device with line output.
8. Subwoofer output connector: For connection to active subwoofer.
9. Optical input connector: For connection to device with optical output.
10. USB Type-A port: For connection to USB disk drive.
11. USB Type-C port: For connection to PC.
12. BT Antenna: For Bluetooth connection.
13. Reset button: When in Bluetooth Receiver mode, press twice to disconnect all Bluetooth connections.

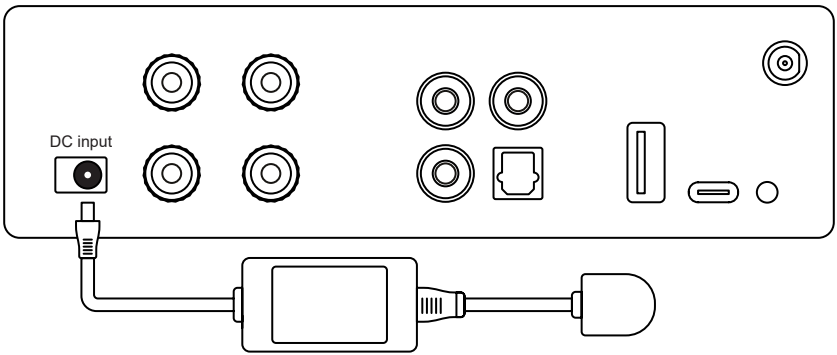
    Press and hold the button to do factory reset.

## 4. Remote Controller



## 5. Installation

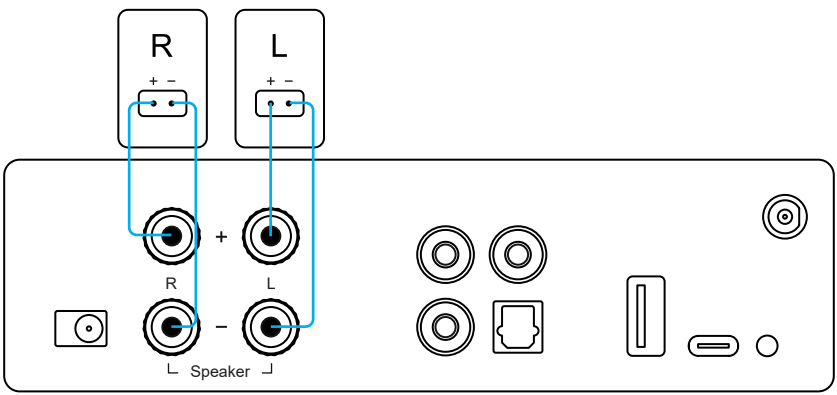
Install both antennas to the device and plug in the power adaptor.
(Please make sure power is off before connecting.)




## 6. Connection

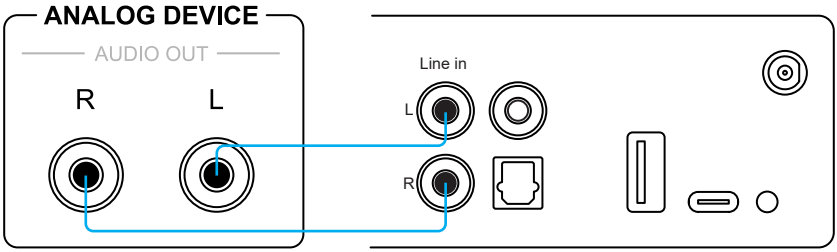
### 6.1 Passive Speakers

Use speaker cable to connect the device to your passive speakers.



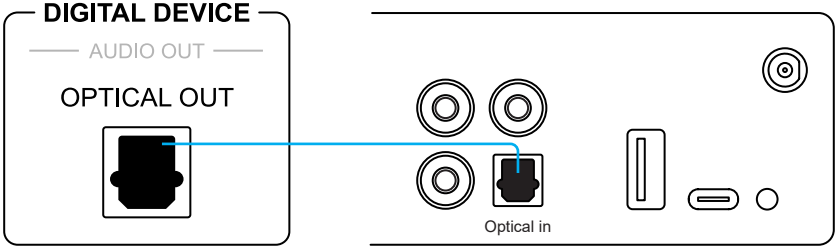
### 6.2 Line in

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



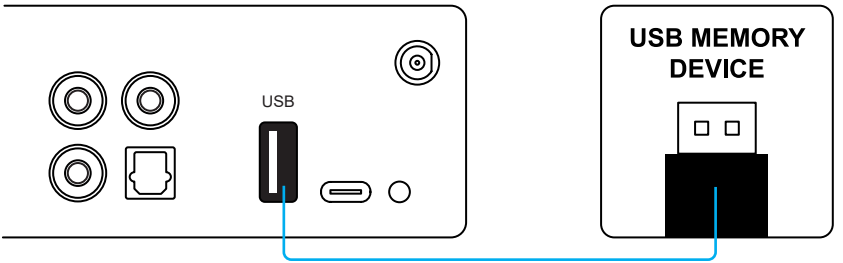

### 6.3 Optical in

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



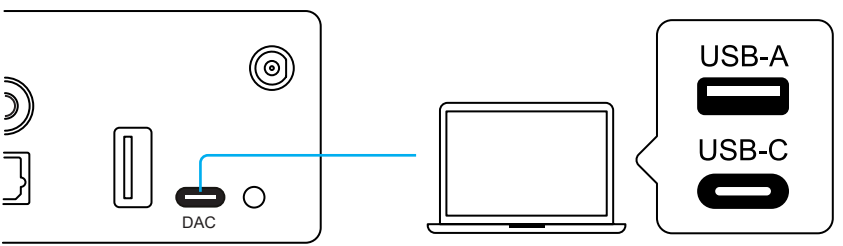
### 6.4 USB Disk Drive

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




### 6.5 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.



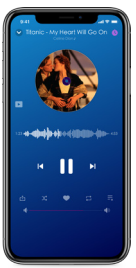
## 7. Usage

### 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 “B50SE 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 passive speakers.

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



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

### 7.2 Line in Mode

You can connect any analog device with line out to B50SE. 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 B50 is Line in mode.

### 7.3 Optical in Mode

You can connect any device with digital optical output to B50SE. 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.

**7.4 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 B50SE. Just plug in the USB disk drive with music files and B50SE will auto switch to USB Mode and playback the music. The USB LED will turn on.

B50SE also has resume playback function, if you stop playing the music or switch to another source input mode or unplug the USB disk drive, B50 will start from the last song being played when you enter USB disk drive playback the next time.

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

### 7.5 USB DAC Mode

You can connect B50SE 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 B50SE as the sound output device in your PC for it work. Look for the device name call “Up2Stream USB Audio” and connect to it.

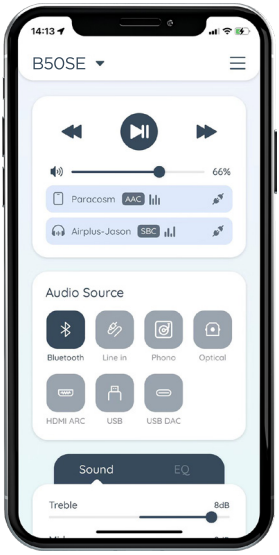
## 8. ACPWrokBench (Sell Separately)

ACPWorkbench is a windows application that allows you to tune B50SE 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 B50SE device.

## 9. Mobile Application

Go Control is a user-friendly control application for B50SE. You can easily take control of the device without complicate configuration, Go Control will automatically detect close by B50SE 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 B50SE 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.
5. Dark mode, Change device name, LED on/off, check firmware version.
6. More features available in future.

## 10. Specification

| | | | |
|---|---|---|---|
| **Bluetooth** | | | |
| **Bluetooth Standard** | 5.0 | | |
| **Codec** | AAC, SBC | | |
| **Amplifier** | | | |
| **Amplifier Power** | 50W x2 @ 24V 4Ω / 30W x2 @ 24V 8Ω | | |
| **Speaker Impedance** | 4-8Ω | | |
| **Frequency Response** | 20Hz to 20kHz | | |
| **THD+N** | <0.1% @ 1W 1kHz | | |
| **SNR** | >93dB @ Max Power | | |
| **Audio I/O** | | | |
| **Audio Input** | Line in | Analog RCA, Max 2Vrms input | |
| | Optical in | Up to 192kHz / 24bit PCM only | |
| | USB Host | USB disk drive playback, support resume playback<br>Storage format: Fat16, Fat32, exFAT, up to 128GB<br>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 3Vms output, Cutting frequency: 250Hz | |
| | Speaker out | 50W per channel @ 4Ω | |
| **General** | | | |
| **Power Input** | 24V/4.16A | **Size** | 185 x 155 x 50 mm |
| **Weight** | 750g | **In the Box** | Main Unit x1 / Antenna(3dBi) x1 / Remote Control x1<br>User's Manual x1 / Power Adapter x1 / Power Cable x1 |

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User's Manual

Forum

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