Audioengine B1 Bluetooth Music Receiver Manual

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Audioengine B1

Premium Bluetooth Music Receiver

Introduction

Welcome to the Audioengine family and congratulations on your purchase of the Audioengine B1 Premium Bluetooth' Music Received

The Audioengine team is dedicated to bringing you the highest-quality listening experience possible and the Audioengine B1 was designed with the same attention to detail and operational simplicity as all other Audio-engine products. Our goal is to get you toyour music as simply as possible without all the °gadget tinkering' many other products require. As with our other past efforts we thank our customers, distributors and resellers for the inspiration to create another great product.

What's in the box

- B1 Receiver
- RCA audio cable (3ft/1m)
- Power supply with detachable power cable
- Microfiber bag
- Quick start guide

Features

- Easy setup, connects in seconds
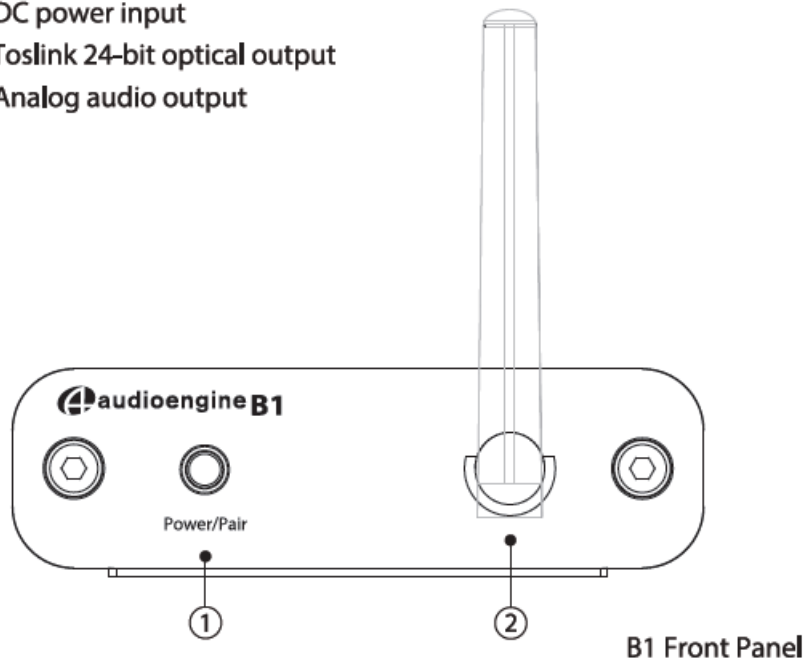- Plug-n-play, no software to install

- Superior sound and extended range
- Streams audio from any Bluetooth,enabled media player

Overview

The B1 streams high-quality audio from your Bluetooth, enabled smartphone, computer, or tablet to any music system or powered speakers. B1 easily integrates into your existing system and will wirelessly transfer music from your library or any streaming app. Experience stunning audio quality with apt• and built-in 24-bit up sampling DAC.

B1 Front Panel

① Bluetooth and power indicator
② Antenna
③ DC power input
④ Toslink 24-bit optical output
⑤ Analog audio output

audioengine **B1**

Power/Pair

① ②

B1 Front Panel

B1 Rear Panel

Digital
5V DC In Audio Out Analog Audio Out
                    R   L

Right   Left
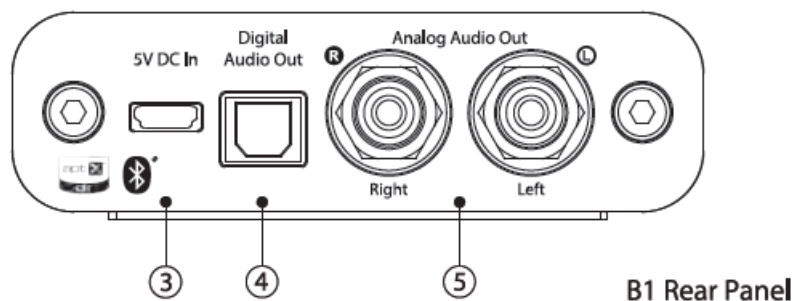
③   ④   ⑤   B1 Rear Panel

Quick Setup

Setup and pairing is really easy. The following instructions will help you connect B1 to your music system and pair with your tablet, computer, or smartphone.

Step 1: Connect audio cables from the B1 rear panel to your music system audio input

Step 2: Connect the power adapter to 81 with the included power cable and plug the power adapter into an AC outlet.

B1 will automatically go into pair mode and the Pair button on the Bt front panel should be flashing.

Step 3: On your device, turn on Bluetooth and go to Bluetooth preferences.

Step 4: Select **Audloengine B**1 to pair and connect. The Pair indicator on the B1 front panel should be solid.

Step 5: Play your music and adjust volume levels.

Repeat Steps 3 thru 5. add additional devices. B1 can connect to only one device at a time, however it will remember up to sit devices.

To disconnent B1 from a paired device and put B1 back into pair mode, press and hold the Pair button until the indicator begins flashing.

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Troubleshooting Tips

B1 is connected but the Pair button does not light up.

Veri4that the B1 power adapter is connected to the Bl and plugged into a functioning AC outlet.

My device will not pair with B1

Verity that Bluetooth on the device is turned on. Confirm that the 01 Pair button A blinking (in pair/discovery mode). Make sure your device is within range of B1

The B1 Pair light is solid, but I cannot connect my device.

Make sure no other devices are connected. if so, either disconnect or turn off Bluetooth on the other devices or press and hold the B1 Pair button until it flashes, then try connecting. Try unpairing and re-pairing your device to the Bl. Cycle B1 power by disconnecting and reconnecting the power cable.

B1 pair light is solid and my device is connected but no audio output

Confirm that the B1 output is correctly connected to your audio system. Make sure the audio source is correctly selected on your music system (analog audio or digital optical input). Check the volume levels on your computer OS and player app. Try unpairing and re-pairing your device to the Bl. Cycle B1 power by disconnecting and reconnecting the power cable.

The volume output level from B1 seems low.

Check the volume levels on your computer OS and player app. Also check the volume level on your powered speakers or stereo system.

The sound quality is poor and/or audio is cutting out.

Move B1 or your device away from cordless phones, routers, micro-wave ovens, or other Bluetooth devices. Try

moving your device closer to B1 .

Try another location.

Tu m off your device's Wi-Fi.

Try unpairing and re-pairing your device to the B1.

Unplug power from B1 and power back on.

Check that your device's OS is updated to the latest version.

Only one channel plays music.

Check the cables between B1 and your audio system. Check your music player app and/or OS audio controls to ensure that the audio balance is centered.

More product information and setup tips can be found on our website: **authoengineusa.com**

If you have any questions or feel you may need service, contact us via email: supportigaudioengineusa.com or call toll-free in the United States: **(877)853-9447**

Break-In Period

B1 will sound great out of the box and will get better over time. However, give It 40 to 50 hours break-in time before doing any critical listening.

Tech Staff

Supports all Bluetooth-enabled devices Integrates into any audio system with stereo audio inputs High-fidelity Bluetooth with @ aptX @ transmission and extended range Includes built-in AKM AK4396 DAC for 24-bit upsampled playback High-quality aluminum case with audiophile-grade connectors Analog and optical outputs

Specifications

- **Inputs :** Bluetooth
- **Outputs :** RCA stereo, optical (SPDIF)
- **Full-scale output :** 2.0V RMS
- **Output impedance :** 57 ohms
- **Frequency response :** 10Hz – 20kHz (+/-0.5dB)
- **SNR (DC to 20 kHz) :** >100dB
- **THD + N :** (1 kHz FS 96 kS/s) <0.02%
- **Crosstalk :** > -86dB
- **Supported Bluetooth profiles :** aptX,A2DP and AVRCP
- **Input power :** 5V, 200mA
- **D/A converter :** AKM AK4396
- **Operation range :** up to 100ft (30m)
- **Typical Product dimensions :** 3.5 x 4.0×1″
- **Shipping weight** : 1.0lbs (0.5kg)

For additional specifications go to: **audioengineusa.com**

Environmental Requirements

- Operating temperature 32° to 105°F (0°C to 40°C)
- Storage temperature: -4° to 115°F (-20°C to 46°C)
- Relative humidity: 5% to 95% non-condensing

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Warranty Information

All Audioengine products have a 3-year Limited Warranty on parts and labor from date of purchase. The Limited Warranty applies only to Audioengine products purchased in the United States. Your warranty is automatic, so there is no need to register. For Limited Warranty coverage elsewhere, please contact your Audioengine dealer, reseller, or distributor.

What is covered

All defective parts or faulty workmanship.

What Is not covered

The Audioengine Limited Warranty does not cover damage caused by accident misuse, abuse, neglect, excessive moisture, lightning, power surges, other acts of nature, unauthorized product modification or repairs, or failure to follow the instructions outlined in this guide.

What we will do

We will repair or replace any defective parts, at our option, within a reasonable amount of time and free of charge any time during the warranty period. After service, we will be responsible for shipping the product back to you at our expense.

What we ask from you

You will be responsible for shipping charges to Audioengine or to an authorized dealer. We recommend you keep the original shipping materials to prevent shipping damage if service is needed. Audioengine cannot be responsible for any damages incurred during shipping due to poor packing, so please pack well and make sure to insure your shipment.

How to obtain Audioengine Warranty service

If you have any questions about your warranty coverage or you feel you may need service, email the Audioengine US Service Center: **support@audioengineusa.com** or call toll-free in the US: **(877) 853-4447**

We will do everything we can to answer your questions and resolve any issues as quickly as possible.

Exclusive Remedy

This Limited Warranty is fully transferable provided the current owner furnishes the proof of {TOT., and that the senal number on the product is intact. THE MAXIMUM LIABILITY OF AUDIOENGINE SHALL NOT EXCEED THE ACTUAL PURCHASE ,TICE PAID BAYOU FOR THE PRODUCT IN NO EVENT SHALL AUDIOENGI, BE LIABLE FOR SPECIAL INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES.

Product Returns and Refunds

We sincerely hope you get as much enjoyment from our products as w or had creating them. However, should you have an issue or are not e satisfied with any Audioengine product for any reason contact the reseller where you purchased your product or email us directly: **support@audioengineusa.com** or call toll-free if in the US: **(877)853-4447**

About Audioengine

Audioengine designs and builds innovative audio products with all your music in mind. Great sound, simple but elegant designs, high quality materials, and truly useful features are what Audioengine is about. We sincerely hope you get as much enjoyment from our products as we've had creating them!

Information for Users on Disposal of Old Equipment [European Union]

This symbol indicates that the electrical and electronic equipment should not be disposed as general household waste at its end-of-life. Instead, the product should be handed over to the applicable collection point for the recycling in accordance with your national legislation. By disposing of this product correctly, you will help to conserve the environment and human health that could otherwise be caused by inappropriate waste handling of this product For more information about collection point and recycling of this product, please contact your household waste disposal service or the shop where you purchased the product. Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

[Other Countries outside the European Union]

If you wish to dispose of this product, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment.

FCC Part 15 Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

1)This device may not cause harmful interference.

2)This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

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B1 Quick Setup

Step 1: Connect audio cables from the B1 rear panel to your music system audio input.

Step 2: Connect the power adapter to B1 with the included power cable and plug the power adapter into an AC outlet.
B1 will automatically go into pair mode and the Pair button on the B1 front panel should be flashing.

**Step 3:** On your device, turn on Bluetooth and go to Bluetooth preferences.

Step 4: Select "Audioengine B1" to pair and connect. The Pair indicator on the B1 front panel should be solid.

**Step 5:** Play your music and adjust volume levels on B1 and your device.

Repeat steps 3 thru 5 to add additional devices. B1 can connect only one device at a time, however it will remember up to six devices.

To disconnect B1 from a paired device and put B1 back into pair mode, press and hold the Pair button until the indicator begins flashing.

1. Bluetooth and power indicator
2. Antenna
3. DC power input
4. Toslink 24-bit optical output
5. Analog audio output
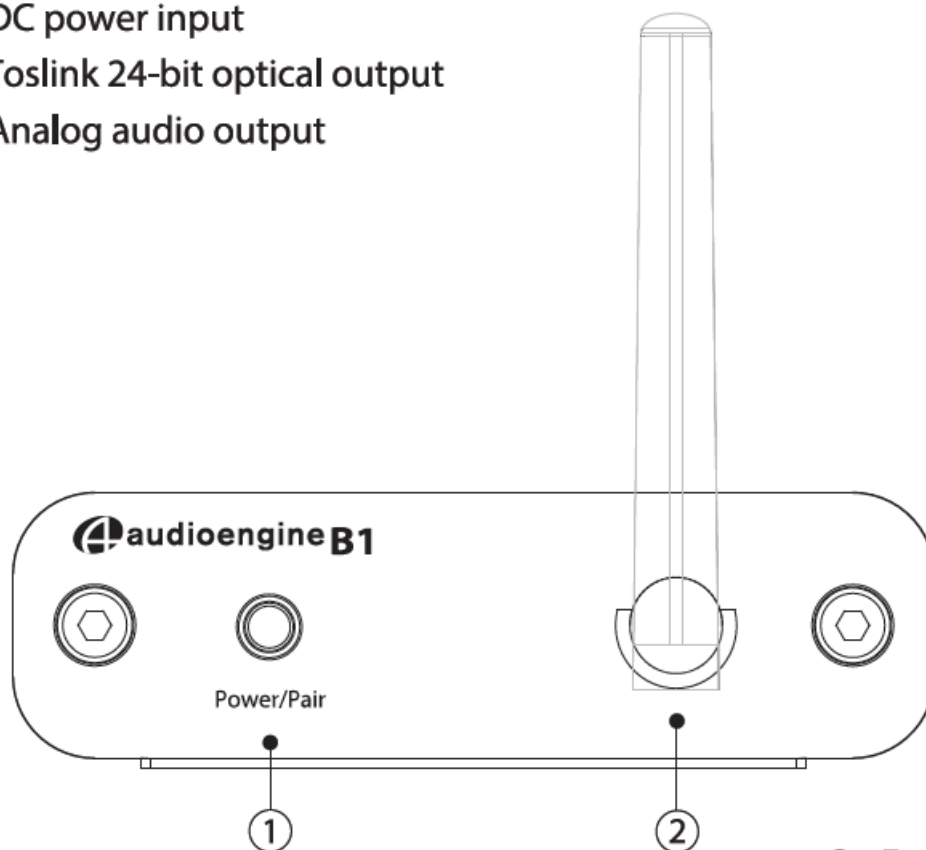
B1 Front Panel
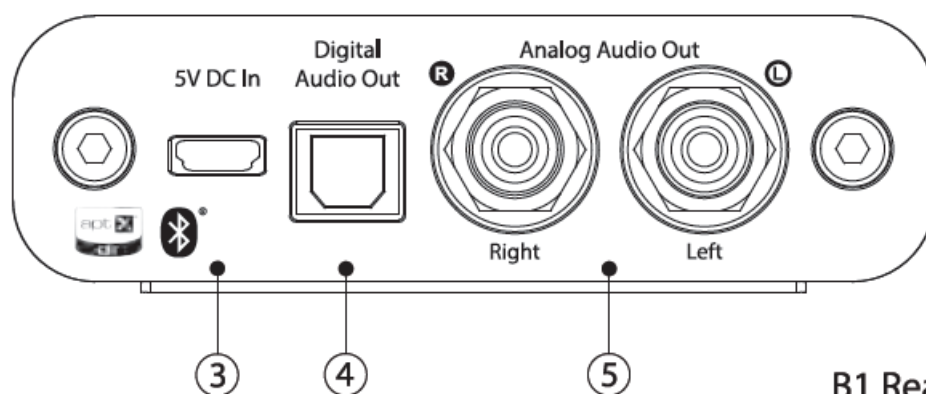
B1 Rear Panel

B1 Troubleshooting Tips

The following troubleshooting tips can help diagnose and correct most concerns with the B1. We have attempted to make this list as comprehensive as possible. So, even though some of these may not apply to your issue, please still go through each one.

If you haven't already, power cycle your B1 by unplugging the power connection, and reconnecting it.

1) Please make sure all of your connections are complete; also, check that all of your connector cables are in working order. You will want to swap out some interconnects to test for this.

2) Try playing audio from more than one application on your source device (phone, tablet, computer, etc.)

3) Check to make sure your source device is running the most up to date version of software available. If an update is available, make sure you restart your device after the update is installed.

4) Try disconnecting from, and "forgetting" the B1 through your source's Bluetooth settings. Then, try re-pairing and connecting to the B1. If your B1 is already connected to a device, then the LED will be on and solid. If your B1 has been idle (and not connected to a device) for more than two minutes, the LED will be off. Tap the LED and it will begin blinking to indicate it is ready to pair, then select the B1 in the Bluetooth settings of your source device. If your B1's LED indicator doesn't light up, try using a different power source, and/or micro USB cable (many Android smartphones use the same connection, so your charger may be a good way to test for this).

5) Try using a different source device with your B1 to see if the issue follows. Try using the analog as well as the digital optical output, to see if you have this issue with both connections.

6) If at all possible, try your B1 in a different location and / or setup to see if something is causing interference in the current location. Something as simple as a router, cordless / mobile phone, halogen lamps, etc. near the speakers may be causing the issue in your setup.

Downloads

Audioengine B1 Bluetooth Music Receiver Manual – **Download**