



Audioengine B2 Home Music System W/ Bluetooth Aptx Manual

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Audioengine B2 Home Music System



Audioengine B2 Premium Bluetooth Speaker

Introduction

Welcome to the Audioengine family and congratulations on your purchase of the Audioengine • B2 Premium Bluetooth• Speaker! The Audioengineteam is dedicated to bringing you the highest-quality listening experience possible and the Audioengine B2 was designed with the same attention to detail and operational simplicity as all other Audioengine products. Our goal is to get you to your 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

- B2 Bluetooth Speaker
- Power cable
- Microfiber speaker bag
- Quick start guide

Features

- Streams audio from any Bluetooth-enabled device
- Easy setup. connects in seconds
- Custom Kevlar woofers and silk tweeters
- Hand-built wood cabinet
- Detachable magnetic grill
- Aux audio Input

Overview

Your computer, iPhone, or Android phone already has Bluetooth, so get more out of your music with the B2 wireless speaker. Experience award-winning Audioengine® sound, including hand-built wood cabinets, Bluetooth® aptX® coding and extended wireless range.

Safety Instructions

1. Please read these Instructions before using this product.
2. Keep these Instructions for future reference.
3. Heed all warnings on the product and in this guide.
4. Follow all Instructions.
5. Do not use this apparatus near water or moisture.
6. Clean only with a dry cloth and as directed by the manufacturer.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources, such as radiators, heat registers, stoves or other apparatus that produce heat
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wider blade or third prong are provided for your safety.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Use only attachments or accessories specified by the manufacturer.
12. Use only with the cart stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time to prevent damage to this product.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Quick Setup

Setup and pairing is really easy. The following Instructions will help you connect B2 with your tablet, computer, or smartphone.

Step 1: Connect the Bluetooth antenna to the B2 rear panel.
The B2 will not function without the antenna connected.

Step 2: Connect the power cable to the B2 rear panel and plug the power cable into an AC outlet

Step 3: Turn on the B2 power switch, which is located on the rear panel. B2 will automatically go into pair mode and the Pair button on the B2 rear panel should be flashing.

Step 4: On your device, turn on Bluetooth and go to Bluetooth preferences.

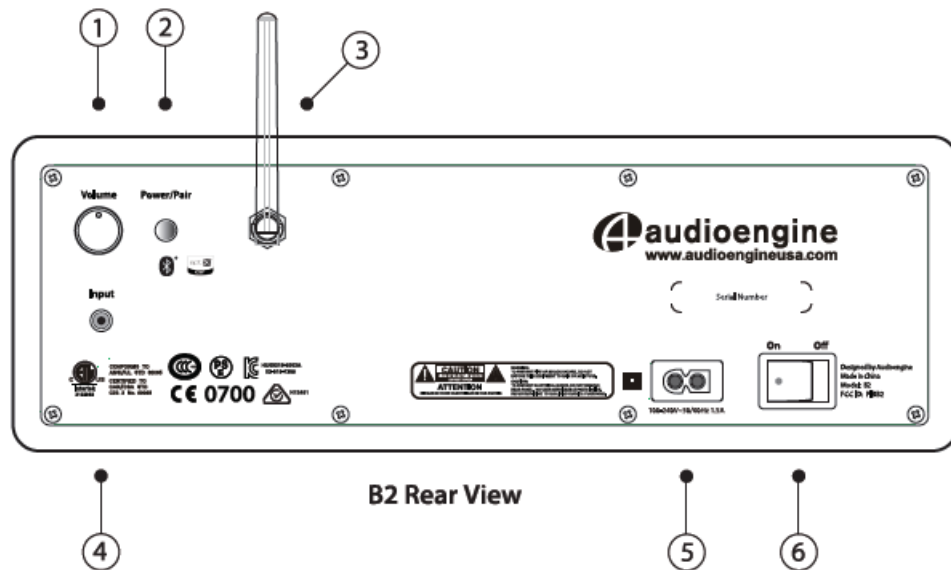
Step 5: Select "Audioengine B2" to pair and connect.
The Pair indicator on the B2 rear panel should be solid.

Step 6: Play your music and adjust volume levels on B2 and your device.

Repeat Steps 3 thru 6 to add additional devices. B2 can connect to only one device at a time, however it will remember up to six devices.

To disconnect B2 from a paired device and put B2 back into pair mode, press and hold the Pair button on the B2 rear panel until the Indicator begins flashing.

B2 Rear View



1. Volume control
2. Pair button/power indicator
3. Bluetooth antenna
4. Aux audio Input (mini-jack)
5. AC power inlet
6. Power on/off switch

Troubleshooting Tips

B2 is connected but the Pair button does not light up.

Verify that the B2 is plugged into a functioning AC outlet.

My device will not pair with B2.

Verify that Bluetooth on the device is turned on.
Confirm that the B2 Pair button is blinking (in Pair/Discovery mode).
Make sure your device is within range of the B2.

The B2 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 B2 Pair button until it flashes, then try connecting.
Try unpairing and re-pairing your device to the B2.
Cycle power by turning the B2 power switch off and back on again.

B2 pair light is solid and my device is connected but no audio output.

Check the volume levels on your computer OS and player app.
Try unpairing and re-pairing your device to the B2.
Cycle B2 power by disconnecting and reconnecting the power cable.

The volume output level from B2 seems low.

Check the volume levels on your computer OS and player app.
Also check the volume level on the rear panel of your B2.

Only one side of the B2 plays music.

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

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

Move B2 or your device away from cordless phones, routers, microwave ovens, or other Bluetooth devices.
Try moving your device closer to B2.
Try another location.
Turn off your device's Wi-Fi.
Try unpairing and re-pairing your device to the B2.
Unplug power from B2 and power back on.
Check that your device's OS is updated to the latest version.

More info

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

Contact Support

If you have any questions or feel you may need service, contact us
via email: **support@audioengineusa.com**
or call toll-free in the United States: **(877) 853-4447**

Cleaning

We don't recommend using any solvents or cleaners on Audioengine cabinets or speakers. Just wipe down with a soft, dry cloth.

Break-In Period

B2 sounds great right out of the box and will sound even better over time. However, give it 40 to 50 hours break-in time before doing any critical listening.

Tech Stuff

High-fidelity Bluetooth® with aptX® transmission and extended range
Supports all Bluetooth-enabled devices
Hand-built wood cabinet with magnetic speaker grill
Auxiliary analog mini-jack input
Built-in power supply

Specifications

- **Type** : 2.0 powered Bluetooth speaker
- **Amplifier type** : Dual class AB monolithic
- **Power output** : 60W peak total; (15W RMS/30W peak; per channel), AES
- **Drivers** : 2.75" Kevlar woofers; 3/4" Silk dome tweeters
- **Inputs** : Bluetooth, 3.5mm stereo mini-jack
- **Input voltages** : 100-240V 50/60Hz auto-switching
- **SNR** : >95db (typical A-weighted)
- **THD+N** : <0.05% at all power settings
- **Crosstalk** : -50dB
- **Frequency response** : 65Hz-22kHz (± 2.0 dB)
- **Supported Bluetooth profiles** : aptX, A2DP and AVRCP
- **D/A converter** : TI PCM5102A
- **Wireless operation range** : up to 100ft (30m) typical
- **Product dimensions** : 4"(H) x 12"(W) x 5.25"(D)
- **Shipping weight** : 4.6kg/10lbs

For additional specifications go to: audioengineusa.com

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 purchase and that the serial number on the product is intact. THE MAXIMUM LIABILITY OF AUDIOENGINE SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID BY YOU FOR THE PRODUCT. IN NO EVENT SHALL AUDIOENGINE 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 we've had creating them. However, should you have an issue or are not 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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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B2 Quick Setup

Step 1: Connect the Bluetooth antenna to the B2 rear panel. The B2 will not function without the antenna connected.

Step 2: Connect the power cable to the B2 rear panel and plug the power cable into an AC outlet.

Step 3: Turn on the B2 power switch, which is located on the rear panel. B2 will automatically go into pair mode and the Pair button on the B2 rear panel should be flashing.

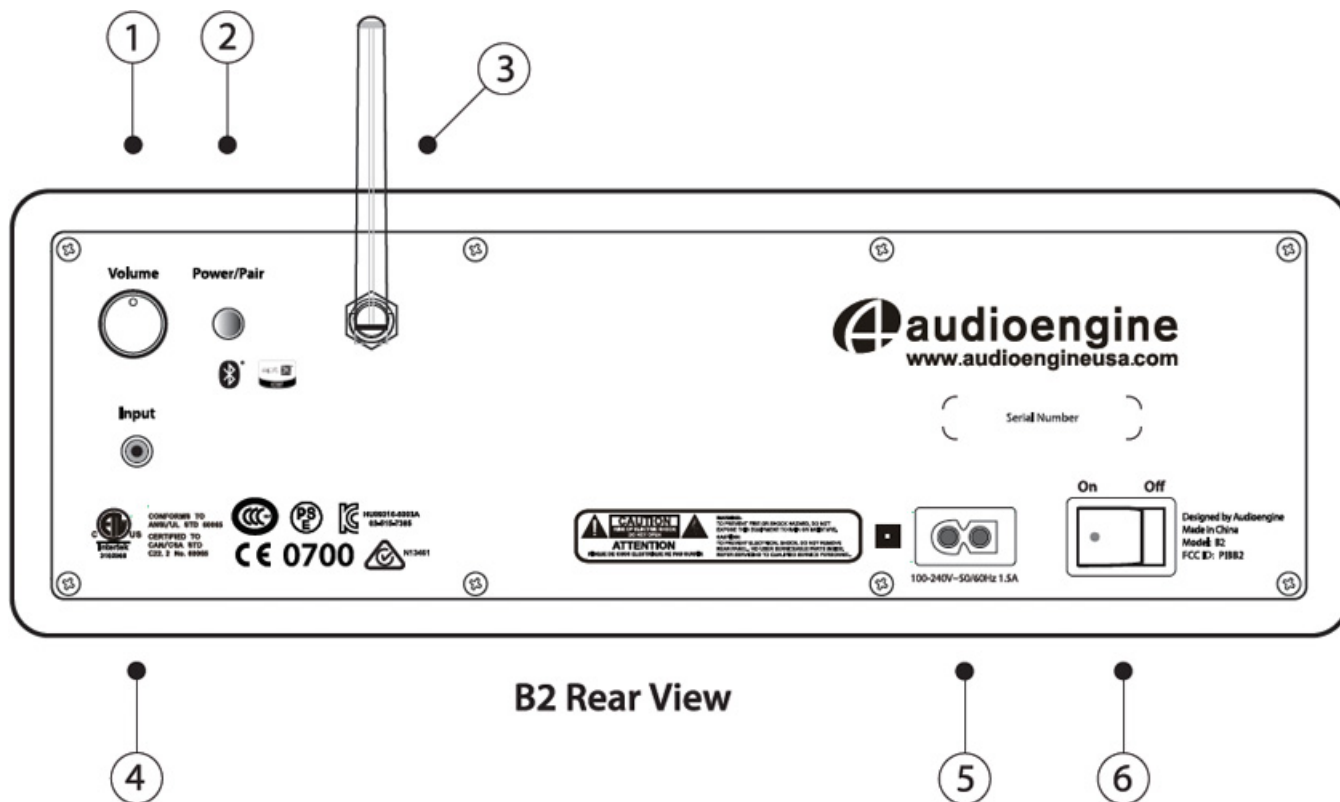
Step 4: On your device, turn on Bluetooth and go to Bluetooth preferences.

Step 5: Select "Audioengine B2" to pair and connect. The Pair indicator on the B2 rear panel should be solid.

Step 6: Play your music and adjust volume levels on B2 and your device.

Repeat steps 3 thru 6 to add additional devices. B2 can connect only one device at a time, however it will remember up to six devices.

To disconnect B2 from a paired device and put B2 back into pair mode, press and hold the Pair button on the B2 rear panel until the indicator begins flashing.



- ① Volume control
- ② Pair button/power indicator
- ③ Bluetooth antenna
- ④ Aux audio input (mini-jack)
- ⑤ AC power inlet
- ⑥ Power on/off switch



https://manuals.plus/wp-content/uploads/2021/05/B2_How_To.mp4

B2 Troubleshooting Tips

The following troubleshooting tips can help diagnose and correct most concerns with the B2. We have attempted to make this list as comprehensive as possible, so some of these may not apply to your issue, but please go through each tip.

If the indicator on the B2 rear panel is not illuminated, then try these tips:

1. If the indicator light on the B2 rear panel is not illuminated, then make sure the AC power cord is connected to the rear panel and to a working AC power outlet.
2. Verify that the B2 rear panel power switch is in the ON position.

If the indicator light on the B2 rear panel is on but you are experiencing an audio-related issue, try these tips:

1. Check that the cables from your audio sources to the speaker are properly connected. Confirm this by unplugging the audio cables and then reconnecting.
2. Verify that the volume/power control on the rear panel is not turned all the way down or powered off (we recommend setting the volume to at least the 10 o'clock position).

3. Make sure the volume is up on your media players, internet radio, master control, device volume, etc. and that the balance control is centered.
4. Decrease the volume of the input audio source and increase the volume of the B2 speaker.
5. Try using different audio input sources and/or devices to see if the problem follows.
6. If your input source has its own EQ, please make sure the low end is at a moderate level as having too much bass in your signal can cause distortion.
7. If you are using a wireless adapter, preamp, or external DAC, remove these (temporarily) and connect the audio source directly to the B2 speaker.
8. Move your speaker to a different location to see if something is causing interference in the current setup. Something as simple as a wireless internet router, cordless or mobile phone, or halogen lamp near the speaker can cause interference.

B2 troubleshooting tips – Bluetooth

1. Verify that the B2 speaker is connected to power and the rear panel power switch is turned on. If you haven't already, power-cycle your speaker by switching it off and back on.
2. If your B2 is already connected to a device via Bluetooth, the Bluetooth Pair light on the rear panel of the left speaker will be on and solid (note that if your B2 has been idle and not connected to a device for more than 2 minutes, the Pair light will automatically turn off). Tap the Pair button and it should begin blinking (or pair to your B2 using your source device, and the LED will go from off to on and solid).
3. Check to make sure your source device (computer, tablet, phone, etc) and all audio apps are running the most up-to-date version of software available. For Mac OS users, be sure to check the App store to see if there's a newer version of Mac OS you could be running.
4. Try playing audio from more than one application on your phone/tablet, or computer.
5. Try disconnecting from and forgetting the B2 through your device's Bluetooth settings and then re-pair to the B2.
6. Try using a different device with your B2 to see if the issue follows. Also be sure to test your B2 using the analog input as well.
7. If possible, try your B2 in a different location to see if something is causing an issue in the current setup. Something as simple as a wireless internet router, cordless or mobile phone, or halogen lamp near the speakers may be causing interference in your setup.

Downloads

Audioengine B2 Home Music System W/ Bluetooth Aptx Manual – [Download](#)