

PULSE

All-in-one
Wireless Streaming
Music System

Owner's manual



bluesound.com

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PULSE P300 All-in-one Wireless Streaming Music Player

WELCOME

Welcome to Bluesound, Hi-Fi for the Wi-Fi generation.

Bluesound transforms your local digital music library by putting the music of your life right at your fingertips. The clutter of CDs is relegated to a previous era! Your smartphone or tablet running the Bluesound App now controls your music.

Your Bluesound music system is also a sophisticated Internet streaming device that allows you to listen to a wide range of Internet music service providers. Bluesound also provides access to music subscription services featuring extensive catalogs of millions of songs streamed to you over the internet in real time. Tuneln Radio makes every radio station in the world a local station via the magic of the internet.

To take full advantage of all these Bluesound capabilities requires a robust wired or wireless home network and a reliable high speed Internet connection, provided by a DSL or Cable modem. Internet access must be contracted and installed by your local Internet Service Provider. For remote areas there are satellite options for high speed internet access.

Before signing on to a music subscription or cloud service we suggest that you review your Internet service plan and be sure you have enough internet speed and bandwidth to provide uninterrupted streaming. Most internet service providers offer multiple plans and can help you make the best choice.

Important Safety Instructions

Save these instructions for later use.

Follow all warnings and instructions marked on the audio equipment.

- Read instructions** - All the safety and operating instructions should be read before the product is operated.
- Retain instructions** - The safety and operating instructions should be retained for future reference.
- Heed Warnings** - All warnings on the product and in the operating instructions should be adhered to.
- Follow Instructions** - All operating and use instructions should be followed.
- Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with a dry cloth.
- Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- Water and Moisture** - Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- Accessories** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.



A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

- **Ventilation** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- **Power Sources** - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

The primary method of isolating the amplifier from the mains supply is to disconnect the mains plug. Ensure that the mains plug remains accessible at all times. Unplug the AC power cord from the AC outlet if the unit will not be used for several months or more. The socket-outlet shall be installed near the equipment and shall be easily accessible.
- **Grounding or Polarization** - This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- **Power Cord Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

- **Outdoor Antenna Grounding** - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- **Lightning** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power line surges.
- **Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- **Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- **Object and Liquid Entry** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

Warning

The apparatus should not be exposed to dripping or splashing, and objects filled with liquids, such as vases, should not be placed on the apparatus. As with any electronic products, use care not to spill liquids into any part of the system. Liquids can cause a failure and/or a fire hazard.

- **Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power supply cord or plug is damaged.
 - If liquid has been spilled, or objects have fallen into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - If the product has been dropped or damaged in any way.
 - When the product exhibits a distinct change in performance-this indicates a need for service.
- **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

- **Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- **Heat** - The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.
Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

Warning

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

Caution

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

An appliance with a protective earth terminal should be connected to a mains outlet with a protective earth connection.

Responsible Party

Lenbrook America
6 Merchant Street
Sharon, MA 02067
USA

Telephone: 800 263 4641; 781 784 8586

Facsimile: 781 784 8386

Warning

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

Note

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.

"This Class B digital apparatus complies with Canadian ICES-003."

This device complies with Industry Canada license-exempt RSS-210. Operation is subject to the following two conditions: (1) this device may not cause Interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

- no naked flame sources such as lighted candles should be placed on the apparatus;
- the use of apparatus in tropical climate

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

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAYBE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING : SHOCK HAZARD - DO NOT OPEN
AVIS : RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR

Caution regarding placement

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) that is equal to or greater than shown below.

_ Left and Right Panels: 10 cm

_ Rear Panel: 10 cm



Warning – If this product is used at 240VAC, a suitable attachment plug should be used.

European union notice for wireless product **CE 0979**

Hereby, Lenbrook Industries Limited, declares that this Wireless Streaming Music Player/ System is in compliance with the R&TTE Directive (1999/5/EC), Low Voltage Directive (2006/95/EC) and other essential requirements. The declaration of conformity may be consulted at www.lenbrook.com/DoC.

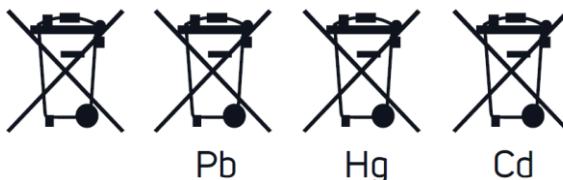
Notes on environmental protection



At the end of its useful life, this product must not be disposed of with regular household waste but must be returned to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, owner's manual and packaging, point this out.

The materials can be reused in accordance with their markings. Through re-use, recycling of raw materials or other forms of recycling of old products, you are making an important contribution to the protection of our environment. Your local administrative office can advise you of the responsible waste disposal point.

Information about collection and disposal of waste batteries (directive 2006/66/EC of the European parliament and the council of European Union) (for European customers only)



Batteries bearing any of these symbols indicate that they should be treated as "separate collection" and not as municipal waste. It is encouraged that necessary measures are

implemented to maximize the separate collection of waste batteries and to minimize the disposal of batteries as mixed municipal waste.

End-users are exhorted not to dispose of waste batteries as unsorted municipal waste. In order to achieve a high level of recycling waste of batteries, discard waste batteries separately and properly through an accessible collection point in your vicinity. For more information about collection and recycling of waste batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

By ensuring compliance and conformance to proper disposal of waste batteries, potential hazardous effects on human health is prevented and the negative impact of batteries and waste batteries on the environment is minimized, thus contributing to the protection, preservation and quality improvement of the environment.

Record your model number (now, while you can see it)

The model and serial number are located on the back of the cabinet. For your future convenience, we suggest that you record these numbers here:

Model no.

Serial no.

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- Bluesound does not warrant that any defects in the Bluesound Software will be corrected or that the Bluesound Software will be compatible or work with any third party software, applications or third party services.
- The Bluesound Software and related services are at your risk and the entire risk as to satisfactory quality, performance, accuracy and effort is yours.

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Bluesound Privacy Policy

The Bluesound Privacy Policy which can be found at www.bluesound.com/privacy-policy outlines the type of information that may be collected from you by Bluesound and how such information may be used by Bluesound.

Controlling Law and Severability

This License will be governed by and construed in accordance with the laws of the Province of Ontario. This license shall not be governed by the United Nations Conventions on Contracts for the International Sale of Goods, the application of which is expressly excluded.

If for any reason a court of competent jurisdiction finds any provision, or portion thereof, to be unenforceable, the remainder of the license shall remain in full force and effect.

INTRODUCTION/ GETTING STARTED

What's in the Box

Packed with your Bluesound PULSE P300 you will find:



230V AC Power cord

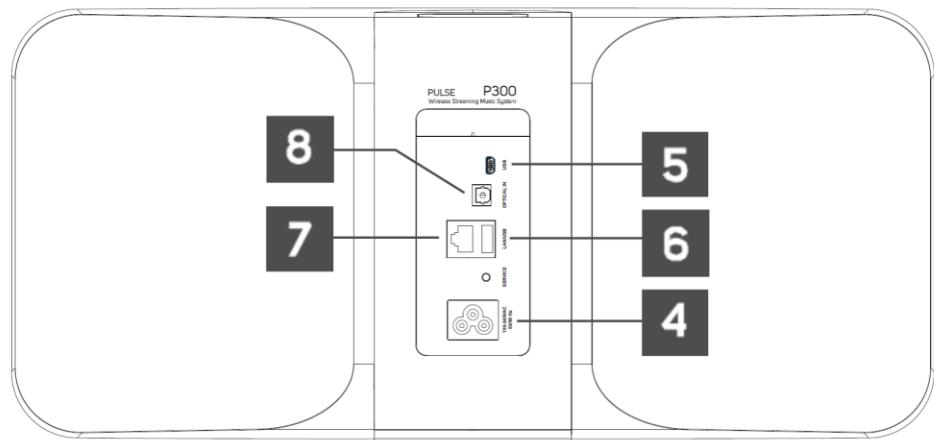
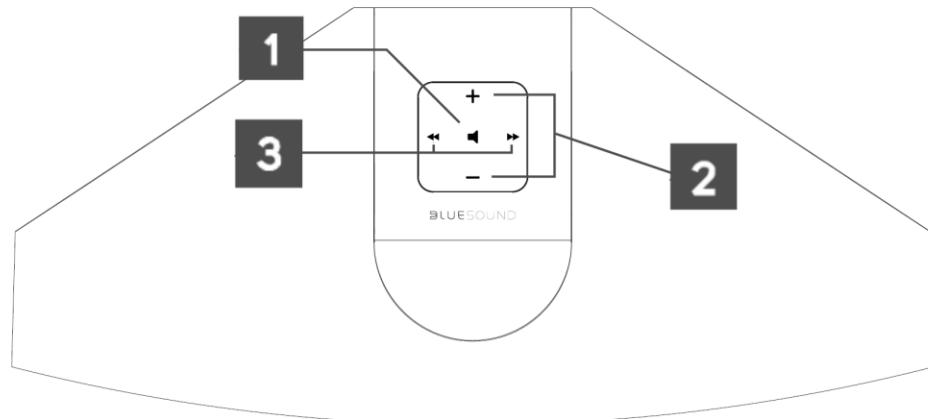


120V AC Power cord



Ethernet cable (2m)

Top & Back of Pulse



1

LED INDICATOR/MUTE

This button has multiple functions - an indicator of network connectivity and a MUTE button.

Below is a table of the LED blink codes and their corresponding descriptions.

LED BLINK CODE	DESCRIPTION
Short blue flash, then red	Powering up, rebooting the unit
Solid green	Hotspot Mode
Flashing green	Connecting to Network shares
Solid red	Cannot boot; drive error
Red pulse	No internet gateway
White pulse	Software update available
Solid red	Upgrade mode
Alternate flashing red and green	Upgrading...
Flashing blue	Mute mode
Solid white	Indexing
Solid blue	Connected to Network – ready to use with Bluesound App
Flashing red	Factory reset in progress

MUTE

- Press to temporarily mute audio output. Press again to restore audio from mute mode.
- When MUTE mode is selected the LED indicator will flash blue.

FACTORY RESET

The LED INDICATOR/MUTE button is also used for restoring the PULSE P300 to its factory default settings.

1. Unplug the power cord from the wall outlet or unplug the other end of the power cord connected to PULSE P300's AC mains input.
2. Press and hold LED INDICATOR/MUTE button and then connect the power cord to the wall outlet or the other end of the power cord to PULSE P300's AC mains input.
3. Do not release hold on the LED INDICATOR/MUTE button; wait until it flashes red and then release. The PULSE P300 will reset and reboot itself to Factory Settings.
4. When the LED INDICATOR/MUTE button ends up at solid green (Hotspot mode), the PULSE P300 has been reset and is ready to be configured again.

2

+, - (VOLUME)

Toggle either button to vary volume level. Volume level will not change if you press and hold either button.

+ : Increase volume level.

- : Decrease volume level.

3

PREVIOUS TRACK/NEXT TRACK

These buttons can be used to go back to the previous track  or to skip to the next track  in your current playlist

4

AC MAINS INPUT

The PULSE P300 comes supplied with two separate AC power cords. Select the AC power cord appropriate for your region.

- Before connecting the plug to the wall outlet, connect firmly first the other end of the AC power cord to PULSE P300's AC Mains input socket.

- Never force the plug into a wall outlet. An adaptor may be necessary in certain regions.

Always disconnect the plug from the wall outlet first, before disconnecting the cable from the PULSE P300's AC Mains input socket.

5

USB (TYPE B MINI)/SERVICE

Use SERVICE in conjunction with USB (Type B Mini) for servicing purposes only. Not for consumer use. Only authorized Bluesound service personnel can access this USB port and SERVICE control button.

6

USB (TYPE A)

Connect a USB mass storage device to the USB input. Typical USB mass storage devices compatible with PULSE P300 include portable flash memory devices and external hard drives (FAT32 formatted).

7

LAN PORT

The LAN PORT connection can be used with the Ethernet cable provided. This is an optional connection since the PULSE P300 can be connected to the network through a Wi-Fi connection to your router. To setup the PULSE P300 using the LAN Port a Wired Ethernet broadband router with broadband internet connection is required. Your router or home network should have a built-in DHCP server to complete the connection.

8

OPTICAL IN

Using a Digital Optical cable (not provided), connect one end to the Optical In of the Pulse P300 and the other end to the corresponding digital audio output of the compatible devices. The source will show as an AUX In on the Sources/Home screen of the Bluesound app.

Quick Setup Guide

In case you simply cannot wait to experience the performance of your new PULSE P300, we provide the following "Quick Setup Guide" instructions to get you underway.

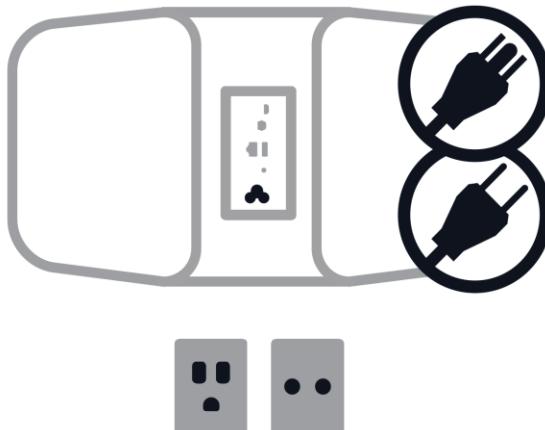
1.

Connect to Power

- A Select the AC Power Cord appropriate for your region and plug it into the player, and then into your wall outlet.

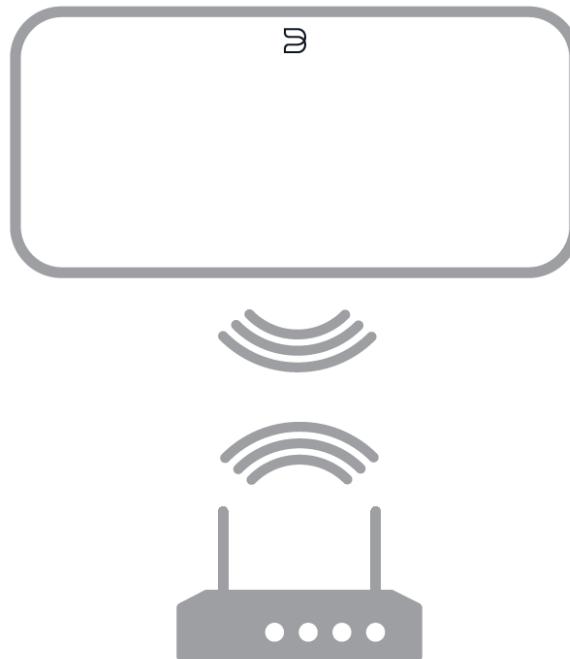
The Pulse's LED button should turn Solid Green, indicating that the player is in Hotspot Mode and ready to be added to your home WiFi network.

Never force a power cord into a wall outlet. An adaptor may be necessary in certain regions

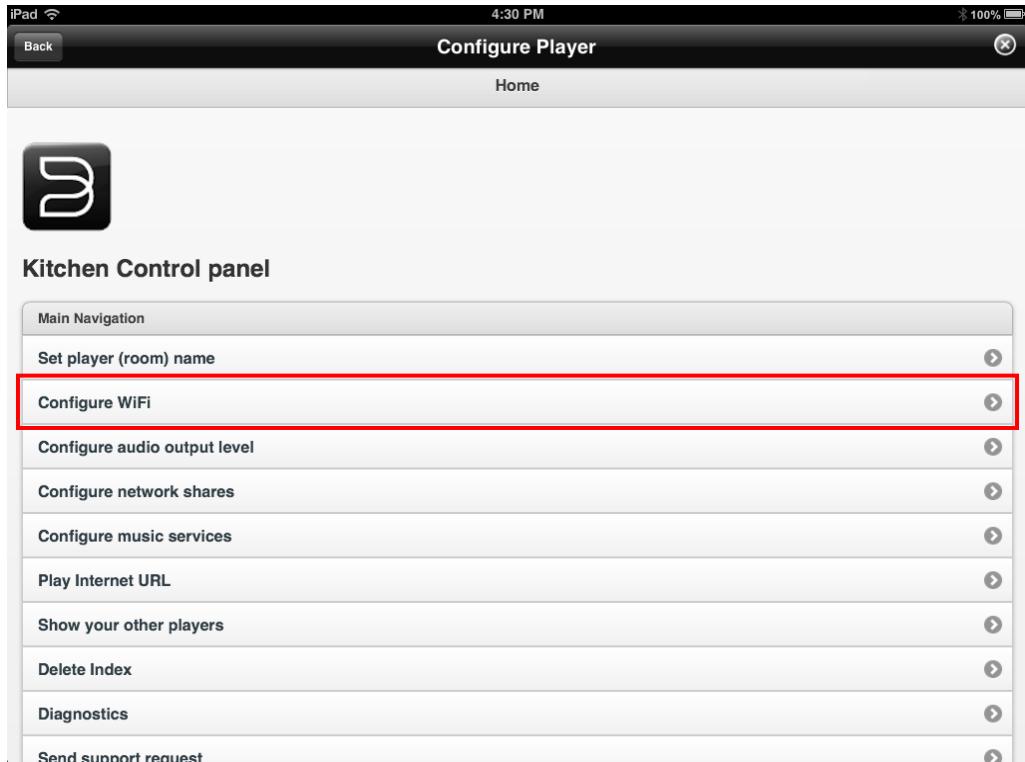


2.

Connect to WiFi



- A. On your tablet or smart phone, look for the WiFi network (hotspot) matching your Pulse's unique network ID, and join it. The network ID is listed as the product name (i.e. Pulse) immediately followed by the last four digits in the MAC (Machine Access Control) address (example: PULSE-001A). The full 12-digit MAC address is printed on a sticker on the back panel of your player.
- B. A web page may automatically open. If not, open a web browser on your tablet or smart phone and enter setup.bluesound.com, and press "Go". A control panel page should then appear.
- C. From the main menu displayed, select **Configure WiFi**.



Configure Player

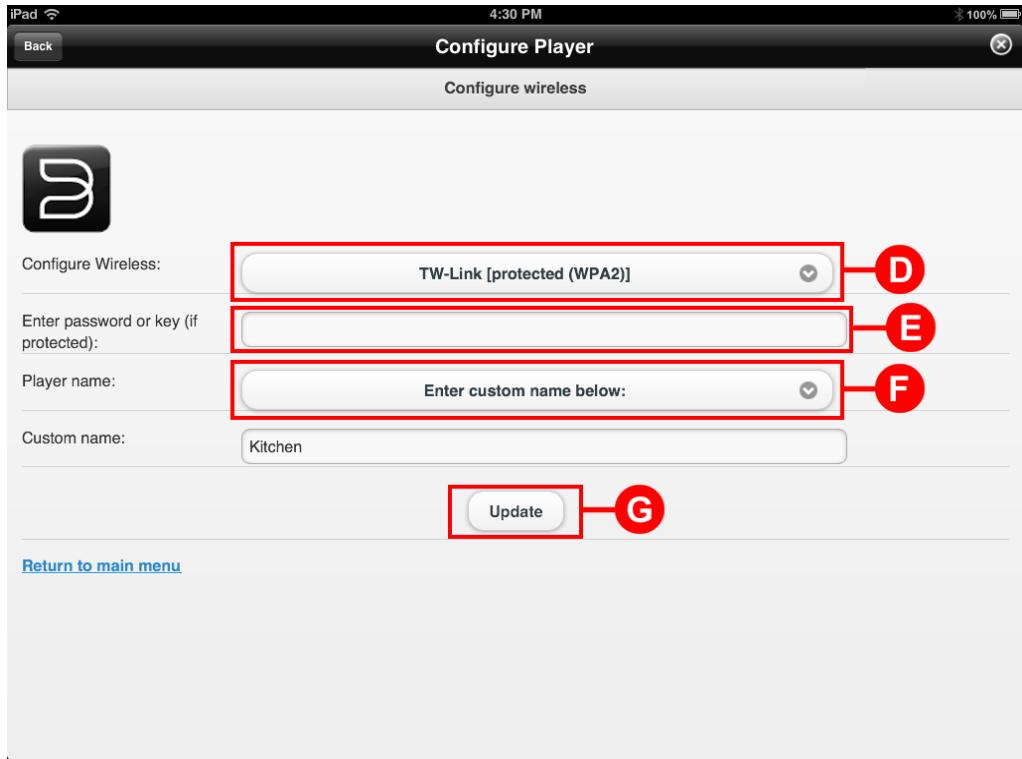
Home

Kitchen Control panel

Main Navigation

- Set player (room) name
- Configure WiFi**
- Configure audio output level
- Configure network shares
- Configure music services
- Play Internet URL
- Show your other players
- Delete Index
- Diagnostics
- Send support request

D Select your Home WiFi network from the Configure Wireless drop down menu.



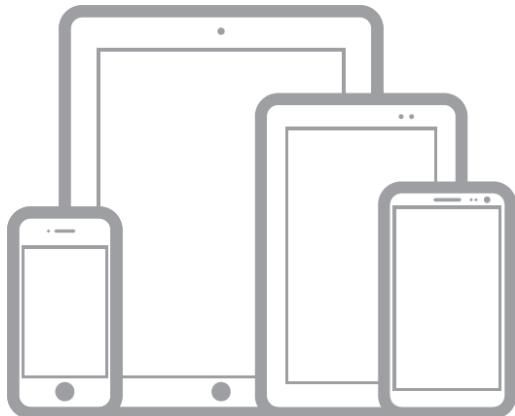
E Enter your home network's **Wireless Password** in the field provided (if it is a protected network).

- F Select a Room Name from the drop down list, or create a customized room name in the field provided.
- G Press Update and wait for the unit's light to turn solid blue, indicating that the player has successfully joined your home WiFi network.
- H Repeat steps A-G for each additional Bluesound player.
- I Reselect your home WiFi network from your tablet or smartphone's main network settings.

Alternatively, the Pulse can be connected directly to your wired home network or router using the Ethernet cable provided.

3.

Download the App



For Apple iOS devices (iPod, iPhone, iPad), visit the Apple App Store and download the free Bluesound controller App.

For Android devices, download the free Bluesound Controller App on Google Play.

Congratulations, your player setup is complete!

It's time to connect your music. Launch the app for the following playback options.



4.

Connect to Music



Internet Radio: On the home screen of the App, simply select Internet Radio from the Music Sources menu, and find your favorite radio station. Or, explore and discover the thousands of radio stations streaming live 24/7 from anywhere on the planet via Tuneln.



Your Music: To play music stored on a computer or NAS device, select the Settings icon  in the App, choose **Configure Player** from the pop-up menu, and select **Configure Network Shares**. Follow the screen prompts, and open every room in your home to your entire digital music library.

For detailed information, please visit:
www.bluesound.com/support/setup

Operation

iPad CONTROLLER

The iPad controller can be used in portrait or landscape mode. For this document we will demonstrate all screen shots in landscape mode.

Portrait



Landscape



Identification of Controls

The Bluesound Control App is compatible with the iPad's method of navigating through its features and functions. Use your fingers to pinch, swipe, tap and double-tap an item you want to command, control or manipulate. Refer to your iPad's user guide for further information on how to use multi-tasking gestures to go about the task you want to perform.



Home Button – Select this button to return to Home or Source mode. Display Library, Internet Radio, Streaming Services and AUX In icons.



Rooms Button – Select this button to show all active Bluesound players (rooms) available on your network.



Settings Button – Select this button to activate the drop down Settings menu.



Volume Slider - Slide to increase or decrease volume level.



Previous track/Next track Buttons - Skip forward or backwards within your current playlist. When using Tuneln or WiMP mode, if you select these buttons you will skip forward or backwards to the next song in your current playlist.



Play Button – Select to start playback of song or broadcast.



Pause Button – Select to pause playback of song or broadcast.



Previous (back) Button – Select to return to previous display or menu window.



Shuffle Button – Select to playback in random order the songs in the current playlist.



Repeat Button – Select to repeat current song.

Navigation Controls & Icons

The following explains the features of the Bluesound Control App and the function of each feature.

Home/Sources





HOME (SOURCES) BUTTON

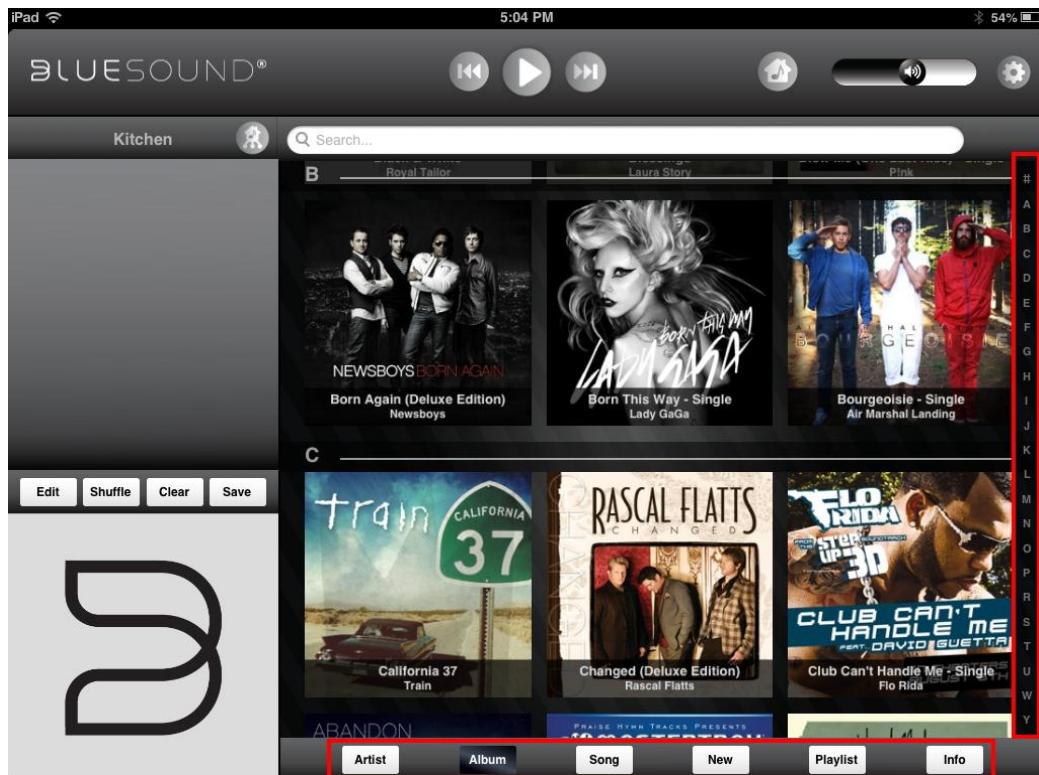
Select this button at any time to take you back to the Home Page which displays your main music sources as follows:

Library





Select the Library Button  to listen to your personal music collection stored on your PC, MAC or NAS (Network Attached Storage) device or music that is ripped to your VAULT V500. See section on Connecting to Music Shares for complete instructions on how to share your music with the Bluesound System.



When you select , your music catalogue will appear on-screen.

The category buttons (located at the bottom portion) allows your music to be sorted in several ways as follows

- Artist
- Album
- Song

Select an alphabet letter on the right side for quick skip to the corresponding list of artists, albums or songs that starts with the selected letter.

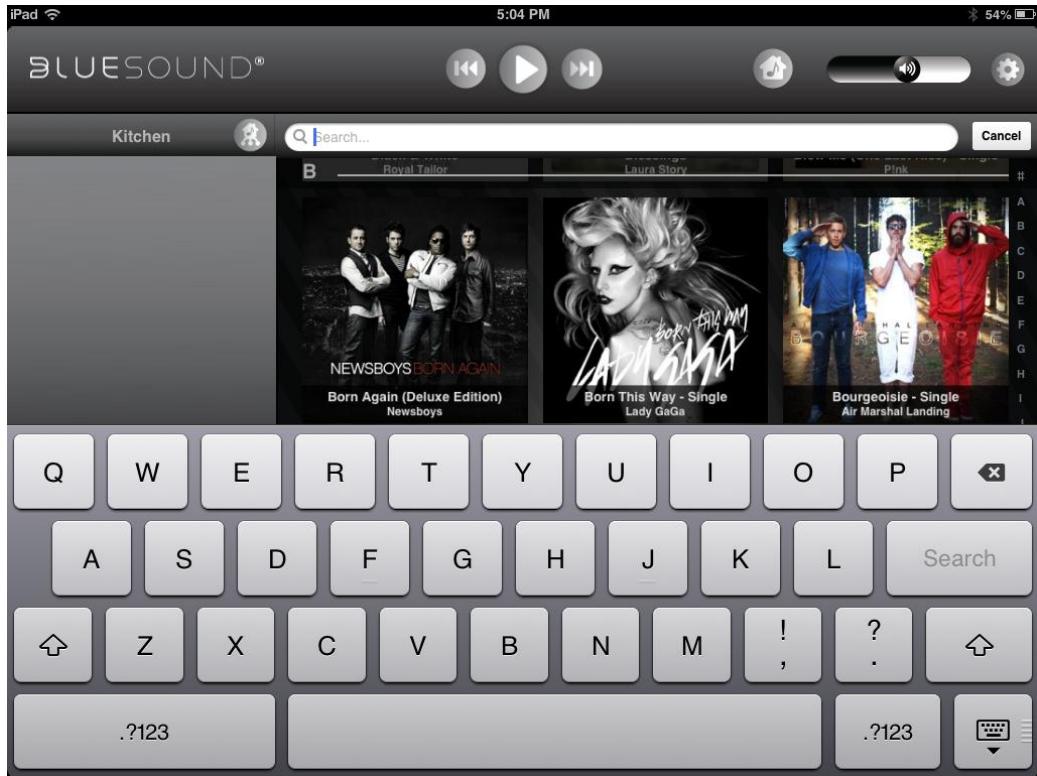
New – Select this option to see the latest list of albums that were added to your Library – the newest albums will show at the top of the list. This is an easy way to locate ripped CD's or purchases that were recently downloaded.

Playlist – Select this option to show your personal catalog of all created playlist. Several playlists can be created like your Favorite playlist, Contemporary playlist, Oldies playlists, etc.

Info – Select this option to see information about the current artist being played. Read about the latest news, biography, album history or current popularity of the artist. All information is provided by Last.fm. If no information about the artist is available, the browser will display "[unknown]"

 Search ...

You can search for a song, album or artist by directly entering it in the "Search..." box. Select the "Search..." box and the on-screen keyboard will appear.



If searching for an Artist, Select the Artist button, then enter the artist's name (even just a part of it) and several relevant songs, albums or artists pop up as you type



Internet Radio

Select Internet Radio to explore and discover the thousands of radio stations streaming live 24/7 from anywhere on the planet via Tuneln.

