



Manuals.plus /

› blafili /

› B3 Professional XLR Bluetooth v5.1 Music Receiver User Manual

blafili blafili B3

B3 Professional XLR Bluetooth v5.1 Music Receiver User Manual

Model: blafili B3 | Brand: blafili

INTRODUCTION

The blafili B3 is a professional-grade Bluetooth v5.1 music receiver designed to stream high-quality audio from your smart devices to various audio systems. Featuring LDAC and aptX HD support, a built-in ESS DAC, and multiple output options including Analog RCA, Digital Optical, and Coaxial, it is ideal for audio mixers, DJ speakers, and PA systems. This manual provides comprehensive instructions for setting up, operating, and maintaining your blafili B3 receiver.

WHAT'S INCLUDED

Please check the package contents to ensure all items are present:

- 1 x blafili B3 Bluetooth Receiver
- 1 x Removable RP-SMA Antenna
- 1 x USB to USB-C Power Cable (*Note: Power Adapter NOT INCLUDED*)
- 1 x Optical Cable (*Note: RCA Cable & Coaxial Cable NOT INCLUDED*)
- 4 x Self-Adhesive Feet Bumpers
- 1 x Quick Start Guide

What is Included in the Box



Figure 1: Included Accessories. The image displays the blafili B3 main unit, a detachable Bluetooth antenna, a TOSLINK optical cable, and a USB-C power cable, illustrating the items found within the product packaging.

SETUP

Follow these steps for initial setup of your blafili B3 receiver:

- 1. Connect the Antenna:** Screw the removable RP-SMA antenna into the "ANT" port on the rear of the blafili B3 unit. Ensure it is securely fastened for optimal signal reception.
- 2. Power Connection:** Connect the provided USB to USB-C power cable to the USB-C port on the blafili B3. Connect the other end to a USB DC 5V power adapter (not included). The unit will automatically power on when USB voltage is supplied.
- 3. Audio Output Connection:** Choose your desired audio output method to connect the blafili B3 to your audio system (e.g., AV receiver, amplifier, powered speakers).
 - **XLR Output:** Use XLR cables (not included) to connect to professional audio equipment.
 - **RCA Output:** Use RCA cables (not included) to connect to consumer audio equipment.
 - **Optical Output (Toslink):** Use the included optical cable to connect to devices with an optical input. *Note: The optical port is output only; it does not support optical input.*
 - **Coaxial Output:** Use a coaxial cable (not included) to connect to devices with a coaxial input.

All XLR, RCA, Coaxial, and Optical outputs are active simultaneously, allowing for flexible connectivity.



Figure 2: Rear Panel Connections. This image highlights the various output and input ports on the blafili B3, including XLR, RCA, Coaxial, Optical, USB-C for power and audio, and the antenna connector.

OPERATING INSTRUCTIONS

Bluetooth Pairing

The blafili B3 is designed for straightforward Bluetooth pairing:

1. **Power On:** Ensure the blafili B3 is powered on. The OLED display on the front will illuminate.
2. **Activate Bluetooth:** On your source device (smartphone, tablet, computer), enable Bluetooth and search for available devices.
3. **Select "blafili B3":** Locate and select "blafili B3" from the list of available Bluetooth devices. The device will automatically pair.
4. **Confirm Connection:** Once paired, the OLED display on the blafili B3 will show the connected codec (e.g., LDAC, aptX HD) and the current sampling rate.

Note: The blafili B3 does not produce any audible tones when pairing or unpairing, ensuring a silent user experience.

USB DAC Functionality

The blafili B3 can also function as a USB Digital-to-Analog Converter (DAC) for your computer:

1. **Connect to Computer:** Use a USB-C cable (not included, but the power cable can be used if it supports data) to connect the blafili B3 to your laptop, PC, or tablet.
2. **Driver Installation:** The blafili B3 is a plug-and-play device and typically does not require special drivers for basic

functionality on most operating systems.

3. **Select Audio Output:** On your computer, select the blafili B3 as the audio output device.

The USB DAC supports up to 16bit 48kHz audio resolution. When both Bluetooth and USB audio inputs are active, the Bluetooth input takes precedence.



Figure 3: USB-C 2-in-1 Function. This image illustrates the dual functionality of the USB-C port for both power input and PC USB DAC audio input.

ADVANCED FEATURES

Custom Bluetooth Broadcast Names and Passcodes

For specialized applications, the blafili B3 offers customization options:

- **Custom Name:** The Bluetooth broadcast name can be customized (up to 12 characters, letters or numbers only) to meet specific requirements.
- **Passcode Protection:** By default, blafili B3 devices do not have passcodes. However, a specific 4-digit numeric passcode can be set to prevent unauthorized connections.

Note: Custom orders for these features can only be placed at blafili.com, or you can request the necessary software and instructions from blafili via email to reprogram the device yourself.

Long Range Connectivity

The blafili B3 is designed for extended wireless range:

- Receives Bluetooth signals wirelessly up to 33 meters (100 feet).
- Features a removable Bluetooth antenna (RP-SMA connector) which can be upgraded for even longer streaming distances if needed.



Figure 4: Long Range Bluetooth. This diagram illustrates the extended wireless range capability of the blafili B3, reaching up to 30 meters or 100 feet, supported by its high-gain Bluetooth antenna.

TECHNICAL SPECIFICATIONS

Feature	Detail
Product Dimensions	3 x 5.6 x 1.5 inches
Item Weight	8.4 ounces
Model Number	blafili B3
Brand	blafili
Connectivity Technology	Bluetooth, Coaxial, Optical, RCA, XLR
Bluetooth Version	v5.1
Supported Bluetooth Codecs	LDAC, aptX HD, aptX Low Latency, aptX, SBC, AAC
DAC Chipset	ESS ES9018K2M
Bluetooth Chipset	Qualcomm QCC5125
USB DAC Audio Resolution	Up to 16bit 48kHz
Audio Output Mode	Stereo
Special Features	Built-In Bluetooth, Display, Hi Res Audio, Music Streaming, USB Port
Compatible Devices	Desktop, Home Theater, Laptop, Smartphone, Tablet
Color	Black

Screen Size / Dimensions

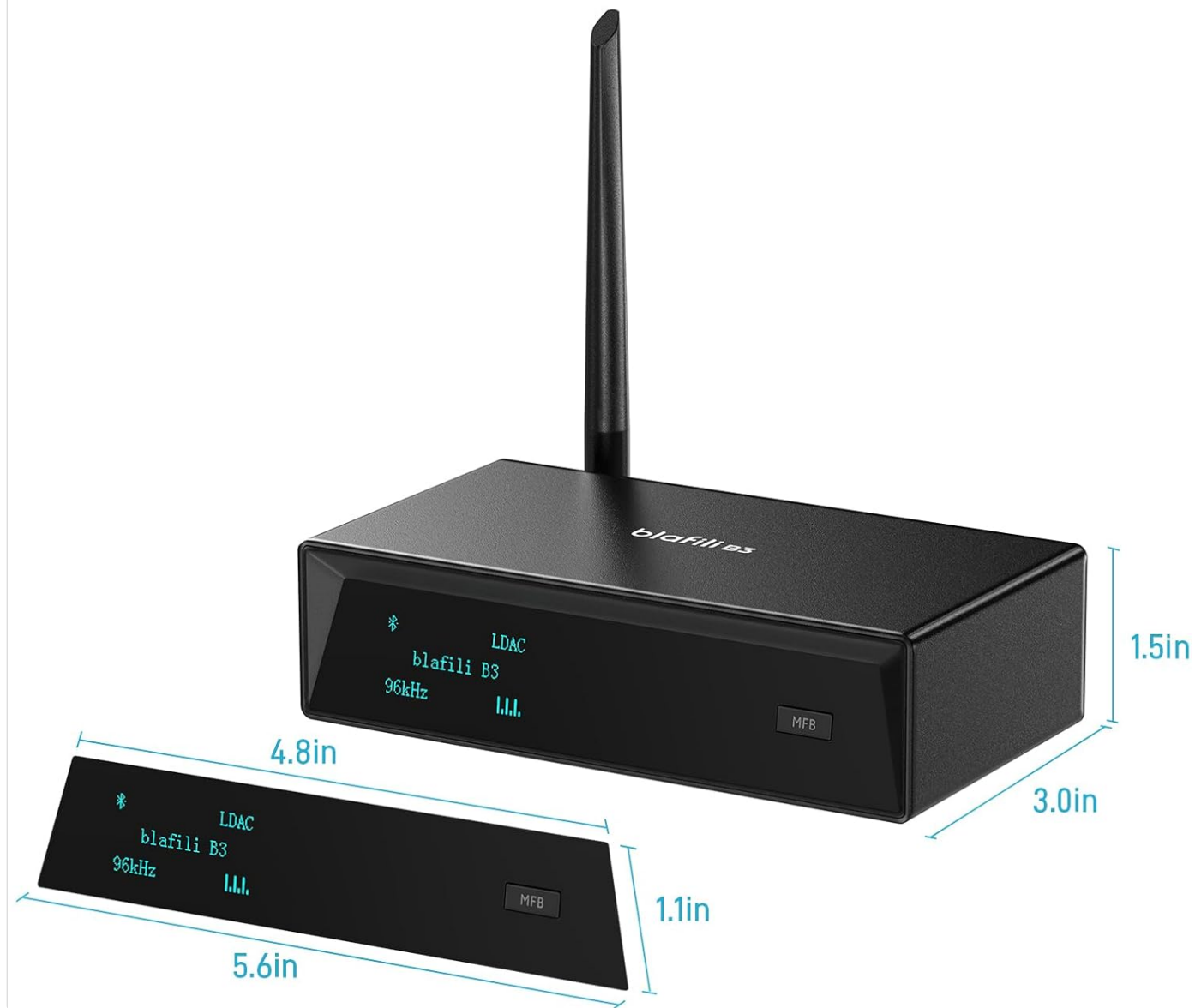


Figure 5: Product Dimensions. This image provides a visual representation of the blafili B3's physical dimensions, including the main unit and its OLED display.

TROUBLESHOOTING

If you encounter issues with your blafili B3, please refer to the following common solutions:

- **Difficulty Syncing with TV:** The blafili B3 can only connect to one device at a time. If you are having trouble connecting to your TV, ensure Bluetooth is turned off on any other devices that may have previously connected to the B3.
- **Connection Issues with Wireless Mic System:** If using a wireless microphone system, turn off the wireless microphone before attempting to connect to the blafili B3.
- **Unable to Pair:** The blafili B3 is a Bluetooth *receiver*, not a Bluetooth *transmitter*. It cannot pair and connect with Bluetooth headsets, Bluetooth speakers, or other Bluetooth receivers. It is designed to receive audio from a source device (like a smartphone) and output it to a wired audio system.

Product Clarifications

- **XLR Housing Material:** The XLR connector housing is made of aluminum, not plastic. The main body of the blafili B3 is constructed from ABS material.

- **Tones During Pairing/Unpairing:** blafili B3 products do not produce any audible tones when pairing or unpairing.
- **USB-C Audio Compatibility:** The blafili B3 is compatible with USB-C audio *input* (for PC DAC functionality), not USB-C audio *output*.

MAINTENANCE

To ensure the longevity and optimal performance of your blafili B3:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using harsh chemicals or abrasive cleaners.
- **Placement:** Place the unit on a stable, flat surface away from direct sunlight, heat sources, and excessive moisture. Ensure adequate ventilation around the device.
- **Antenna Care:** Handle the antenna with care. If removed, store it safely to prevent damage.
- **Power Off:** Disconnect the power cable if the unit will not be used for an extended period.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official blafili website or contact their customer service directly. The Quick Start Guide included in your package may also contain specific warranty details.

You can also find additional resources and contact information on the blafili Store on Amazon.