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› FLOOGOO FMA120 Bluetooth 5.4 Dual-Mode Dongle User Manual

FLOOGOO FMA120

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Model: FMA120

1. INTRODUCTION

The FLOOGOO FMA120 is a versatile Bluetooth 5.4 dual-mode USB dongle designed to enhance your audio experience across various devices. It supports both Classic Bluetooth and the advanced LE Audio standard, including Auracast broadcasting and A2DP-to-Auracast relay. With support for aptX Lossless and ultra-low latency gaming, the FMA120 provides high-fidelity audio and seamless connectivity for PCs, Macs, gaming consoles like PS4, PS5, Nintendo Switch, and even modern hearing aids.

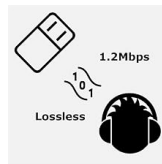


Image: Front view of the FLOOGOO FMA120 Bluetooth 5.4 Dual-Mode Dongle, a compact white USB device.

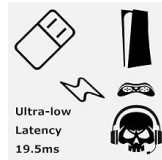
2. KEY FEATURES

- **Bluetooth 5.4 Dual-Mode:** Supports both Classic Bluetooth and LE Audio for broad compatibility.
- **Auracast Broadcasting:** Functions as an Auracast broadcaster, enabling audio sharing to multiple compatible devices.
- **LE Audio & Hearing Aid Support:** Qualified design supporting LE Audio, including direct connectivity with compatible hearing aids.
- **Advanced Audio Codecs:** Supports aptX, aptX HD, and aptX Adaptive with Lossless audio for superior sound quality.
- **Ultra-Low Latency Gaming:** Optimized for gaming with minimal audio delay.
- **A2DP-to-Auracast Relay:** Specialized firmware allows classic Bluetooth audio sources (e.g., TVs, iPhones) to act as Auracast transmitters.
- **USB Audio Interface:** Plug-and-play functionality with no drivers required for Windows, Mac, or Linux operating systems.
- **Wide Compatibility:** Compatible with PS4, PS5, Nintendo Switch, and optimized for Microsoft Teams.

- **USB Auracast Receiver Mode:** Specialized firmware enables the dongle to function as an Auracast receiver.



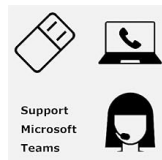
Lossless Audio (1.2Mbps)



Ultra-low Latency (19.5ms)



Auracast Support



Microsoft Teams Support

3. PACKAGE CONTENTS

The FLOOGOO FMA120 package typically includes:

- 1 x FLOOGOO FMA120 Bluetooth 5.4 Dual-Mode Dongle

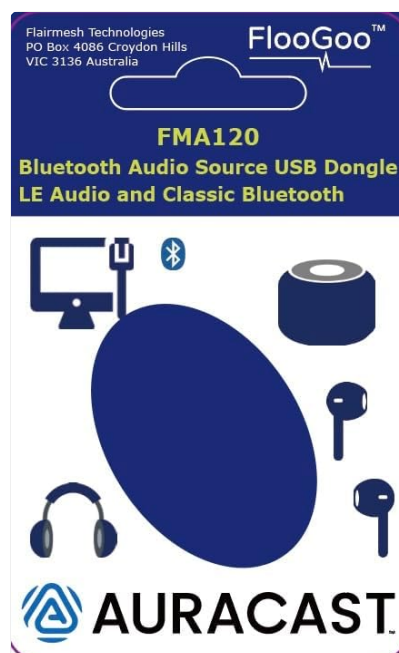


Image: Front of the FMA120 product packaging, showing the dongle and supported devices.



Image: Back of the FMA120 product packaging, detailing features, LED status, and warranty information.

4. SETUP GUIDE

4.1 Initial Connection

1. Identify a free USB Type-A port on your computer (Windows, Mac, Linux) or compatible gaming console (PS4, PS5, Nintendo Switch).
2. Insert the FMA120 dongle into the USB port. Note that the dongle has a specific orientation for proper function; if it does not work initially, try rotating it 180 degrees.
3. The FMA120 is plug-and-play for most operating systems and will be recognized as a USB audio device (speaker and microphone) without requiring additional drivers.

4.2 FlooCast Software Installation (Recommended)

For advanced configuration, firmware updates, and optimal performance, it is recommended to install the FlooCast software. You can find the software and the detailed user guide by scanning the QR code on the back of the dongle or product packaging, or by visiting the official FLOOGOO support website.



Image: Back view of the FMA120 dongle, showing the QR code for the user guide and software.

The QR code links to: <https://manuals.plus/m/1906382c3742372d5e18f7194972efc9df683638ec48ccdff64be0bc08ef31e5>

After installing FlooCast, connect the FMA120 dongle to your computer. The software will allow you to manage audio modes, LE Broadcast settings, and update the dongle's firmware.

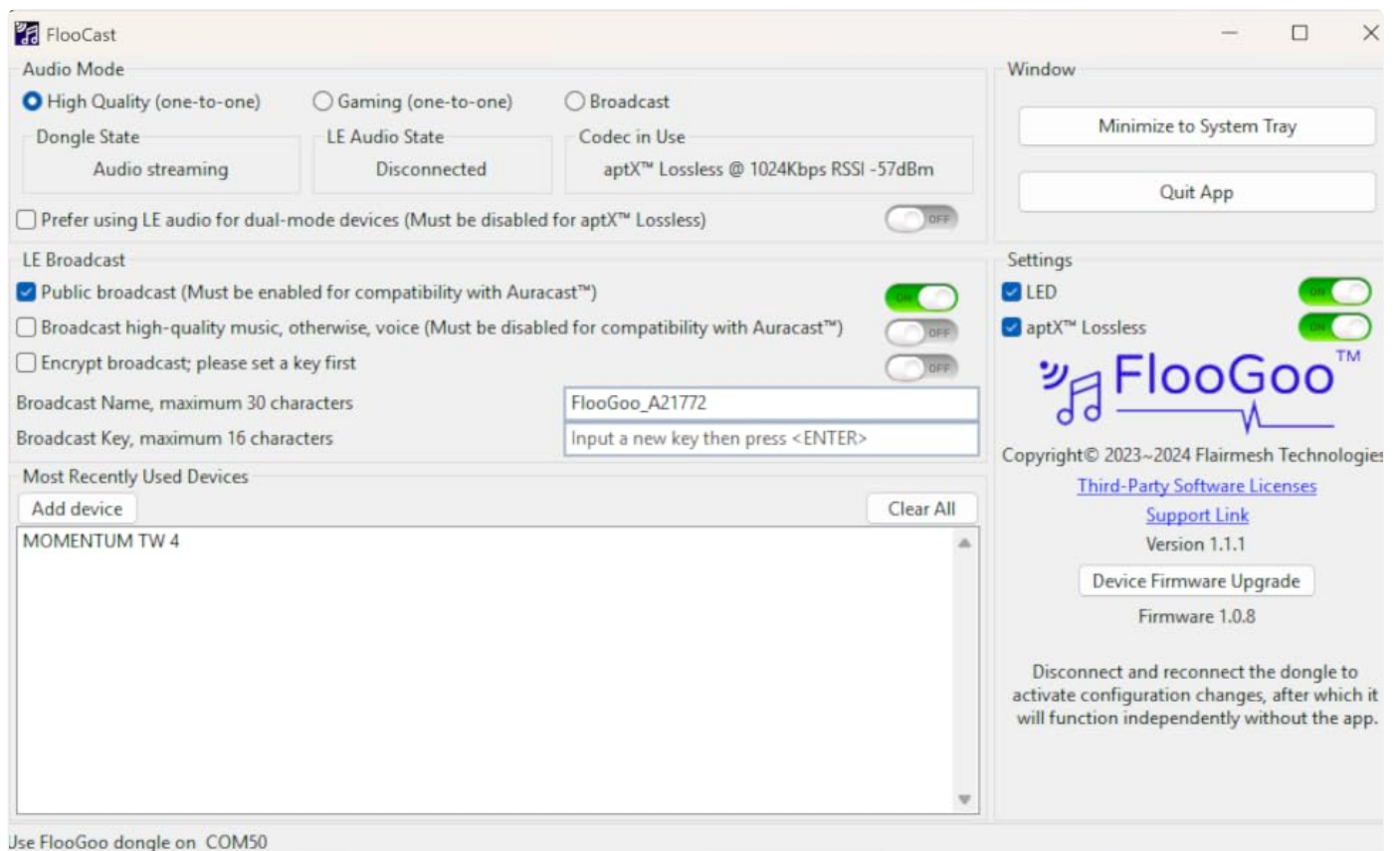


Image: Screenshot of the FlooCast software interface, showing various audio and broadcast settings.

5. OPERATING INSTRUCTIONS

5.1 Pairing with Audio Devices

The FMA120 supports various audio modes, including High Quality (one-to-one), Gaming (one-to-one), and Broadcast. The pairing process may vary slightly depending on the mode and your audio device.

1. Ensure the FMA120 is plugged into your computer/console.
2. Open the FlooCast application (if using a computer) to manage settings.
3. Put your Bluetooth audio device (headphones, earbuds, hearing aids) into pairing mode.
4. In the FlooCast app, select the desired audio mode (e.g., High Quality for aptX Lossless, or LE Audio for hearing aids).
5. The FMA120 will search for devices. Once your device is detected, select it to initiate pairing.
6. For LE Audio devices, especially hearing aids, ensure that other Bluetooth connections to your hearing aids (e.g., from a smartphone) are temporarily disabled or forgotten during the initial pairing with the FMA120 to avoid conflicts.
7. Be patient during the first pairing, as it may take a few minutes for some LE Audio devices.

5.2 LED Status Indicator

The FMA120 features an LED indicator to show its current status:

LED Status	Explanation
Flash slowly	Idle
Flash fast	Searching for pairing
Flash 2 times in 2 seconds	Connected, audio idle
Flash 3 times in 2 seconds	Audio or broadcast streaming

5.3 Switching Between Devices (for LE Audio)

When using LE Audio devices, particularly hearing aids, switching between the FMA120 and another device (e.g., a smartphone) may require manual intervention. If your hearing aids are connected to your phone via MFi (Made for iPhone) protocol, they assume exclusive use. To switch from your phone to the FMA120, you may need to temporarily disable Bluetooth on your phone. Conversely, to switch from the FMA120 to your phone, unplug the FMA120 or disable its connection via the FlooCast app.

6. COMPATIBILITY

The FLOOGOO FMA120 is designed for broad compatibility:

- **Operating Systems:** Windows, macOS, Linux (plug-and-play, no drivers needed).
- **Gaming Consoles:** PlayStation 4 (PS4), PlayStation 5 (PS5), Nintendo Switch.
- **Audio Devices:** Supports a wide range of Bluetooth headphones, earbuds, and speakers.
- **Hearing Aids:** Compatible with various LE Audio-enabled hearing aids, including models from Signia, Oticon (with latest firmware), and Philips.
- **Communication Platforms:** Optimized for use with Microsoft Teams.
- **Audio Codecs:** aptX, aptX HD, aptX Adaptive, aptX Lossless.

7. MAINTENANCE

To ensure the longevity and optimal performance of your FMA120 dongle:

- Keep the dongle clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the dongle to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the dongle yourself. This will void the warranty.
- Store the dongle in a safe place when not in use to prevent physical damage.

8. TROUBLESHOOTING

8.1 General Troubleshooting

- **Dongle Not Recognized:** Ensure the dongle is fully inserted into the USB port. Try a different USB port or rotate the dongle 180 degrees.
- **No Audio/Connection Issues:**
 - Verify your audio device is in pairing mode.
 - Ensure the correct audio output device (FMA120) is selected in your computer's sound settings.
 - If using LE Audio, temporarily disable or forget other Bluetooth connections on your audio device (e.g., phone) before pairing with the FMA120.
 - Restart your computer/console and the FMA120 (by unplugging and re-plugging).
- **Audio Cutting Out/Interference:**
 - Avoid connecting the FMA120 to the same USB hub as USB 3.0 devices (e.g., external HDDs/SSDs), as they can cause interference.
 - Ensure your audio device is within range of the FMA120.

8.2 FlooCast Software Issues

- **Software Not Detecting Dongle:** Ensure the dongle is properly connected. Close and reopen the FlooCast application.
- **Firmware Update Problems:** Follow the instructions within the FlooCast app carefully. Do not disconnect the dongle during a firmware update. If issues persist, consult the official support website.

9. SPECIFICATIONS

Feature	Detail
Model Number	FMA120
Bluetooth Version	5.4 Dual-Mode (Classic Bluetooth & LE Audio)
Bluetooth Class	Class 1 (+15dBm)
Supported Codecs	aptX, aptX HD, aptX Adaptive, aptX Lossless
Power Rating	5V 100mA
Connector Type	USB Type A

Feature	Detail
Product Dimensions (L x W x H)	1.52 x 0.77 x 0.27 inches (3.86 x 1.96 x 0.69 cm)
Item Weight	0.176 ounces (5 grams)
Color	White
Manufacturer	Flairmesh Technologies
Country of Origin	Australia
FCC ID	2A22WFMB120
Bluetooth DID	D065940

10. WARRANTY AND SUPPORT

The FLOOGOO FMA120 comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as described under normal use.

For technical support, firmware updates, or further assistance, please refer to the official FLOOGOO support website or use the support link within the FlooCast application. The manufacturer, Flairmesh Technologies, is committed to providing prompt support and updates.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Answered questions about this manual

How do I connect my hearing aids to a Windows 11 laptop using the FLOOGOO FMA120 Bluetooth dongle?

To connect your hearing aids to a Windows 11 laptop using the FLOOGOO FMA120, follow these steps and troubleshooting tips: Check Dongle Orientation: The FMA120 can be inserted into a USB port from both...

[Read full answer](#)

How do I set up the FLOOGOO FMA120 with a Yealink T54W phone to broadcast calls to Phonak hearing aids?

To use the FLOOGOO FMA120 with a Yealink T54W phone and Phonak hearing aids, follow these steps. Note that while the FMA120 is plug-and-play, initial configuration on a PC is highly recommended to ensure...

[Read full answer](#)

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