FlooGoo^{TM} FMA120 Bluetooth® Dongle - Auracast^{TM} Receiver Mode

User Guide v1.1

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Introduction

LED status	Explanation
Off	Working
Flash fast	Pairing

The FMA120 is a dual-mode Bluetooth 5.4 USB audio dongle, originally designed to function as a high-quality transmitter for audio sources such as phones, laptops, TVs, and other devices. In response to customer demand for an Auracast receiver solution compatible with existing phones, Bluetooth headsets, earbuds, and hearing aids, we have developed a dedicated firmware that enables receiver mode functionality.

While this may sound complex, using the receiver mode involves just two main steps:

1. **Update the default firmware** to the special receiver mode firmware.
2. **Connect the FMA120 to your phone**, and install the mobile app *FlooCast* (available for both iOS and Android). The app offers a simple, intuitive interface that allows you to discover and tune into Auracast broadcasts—similar to how you connect to Wi-Fi on your mobile device.

This document provides a step-by-step guide to help you set up and use the FMA120 in receiver mode with ease.

Step 1: Update to Receiver Mode Firmware

To enable receiver functionality on your FMA120, you'll need to update it to the **receiver mode firmware**.

You'll need a Windows PC to run the FlooCast app, which you can download from the Microsoft Store.

[FlooCast on Microsoft Store](#)

Then, you can download the latest receiver mode version from the FMA120 support page. At the time of writing this guide (v1.0), the current version is **AS1.0.7**.

The prefix **"AS"** stands for **"Auracast Sink"**, indicating that this firmware is for receiving Auracast broadcasts.

Download link:
https://www.flairmesh.com/support/FMA120_AS1.0.7.zip

Note:
If you've previously used the FMA120 in its default transmitter mode and paired it with Bluetooth devices, please run the "Clear All" function to remove those pairings before switching modes.

Below is a screenshot of the FlooCast Windows app, showing the dongle in its default transmitter mode with an empty 'Most Recently Used Devices' list:
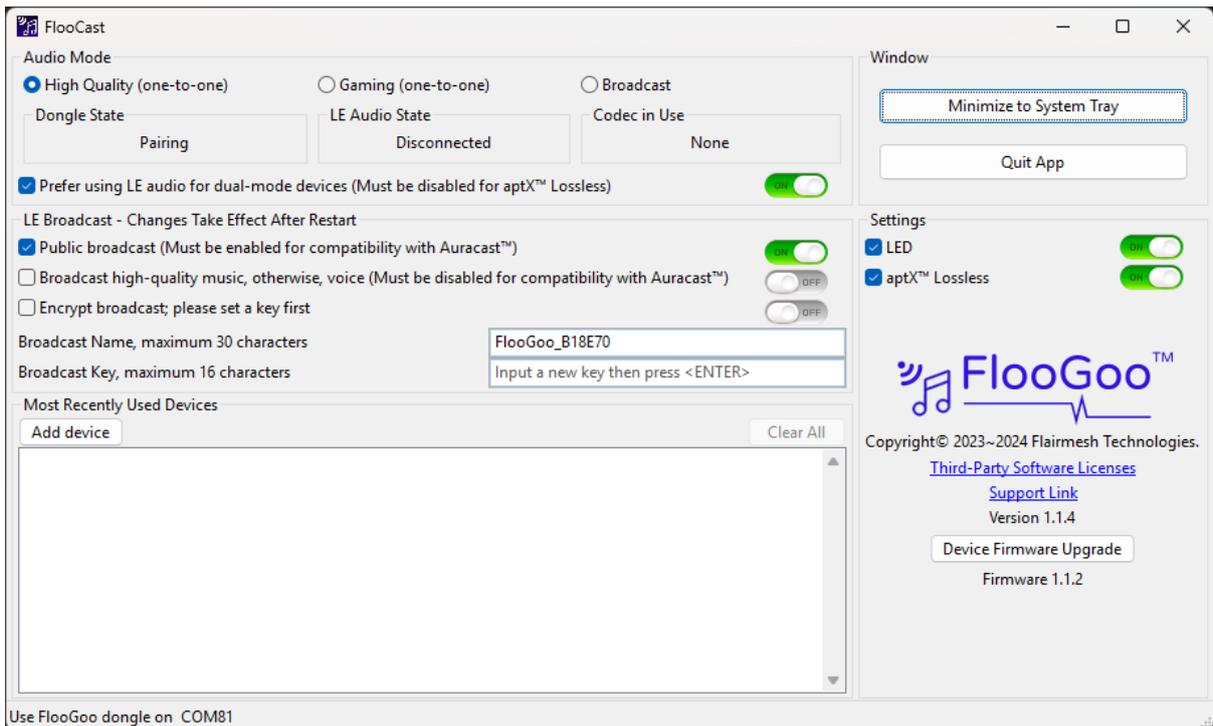
Note: The **"Device Firmware Update"** button is available **only** in the version of the app from the **Microsoft Store**.

After downloading the firmware, please ensure the following:

- **Unzip the file** into a **local folder** (avoid using cloud-synced folders like Microsoft OneDrive or Google Drive).
- Make sure the **full folder path contains only English characters** (no special or non-English symbols).

Example of the unzipped firmware folder:

Inside the folder, you'll find a ReadMe.txt file with a brief overview of the firmware update process. The file with the .bin extension is the actual firmware used to enable receiver mode.
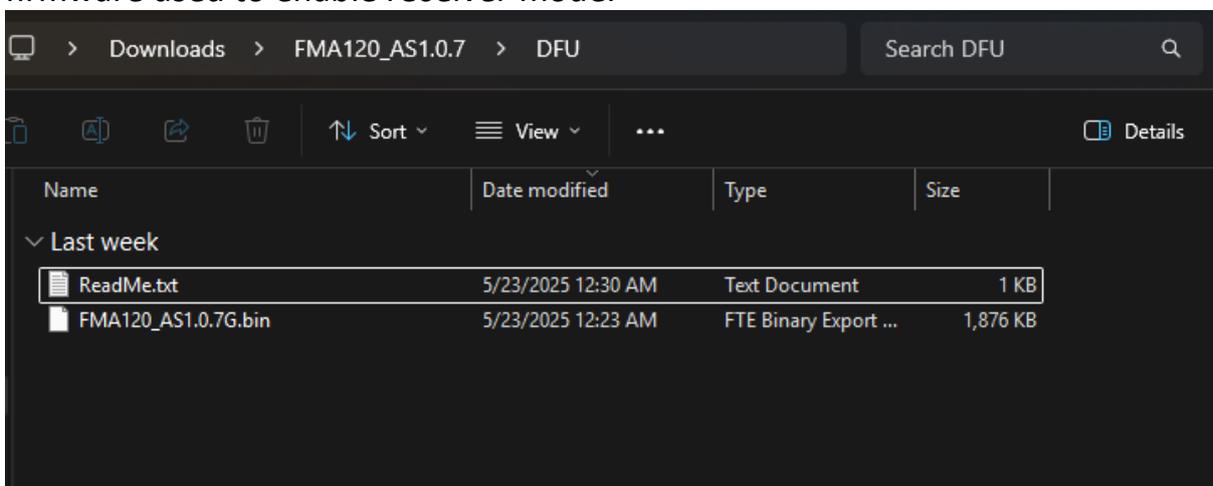
Next, click the "Device Firmware Upgrade" button and select the firmware (.bin) file to begin the update.
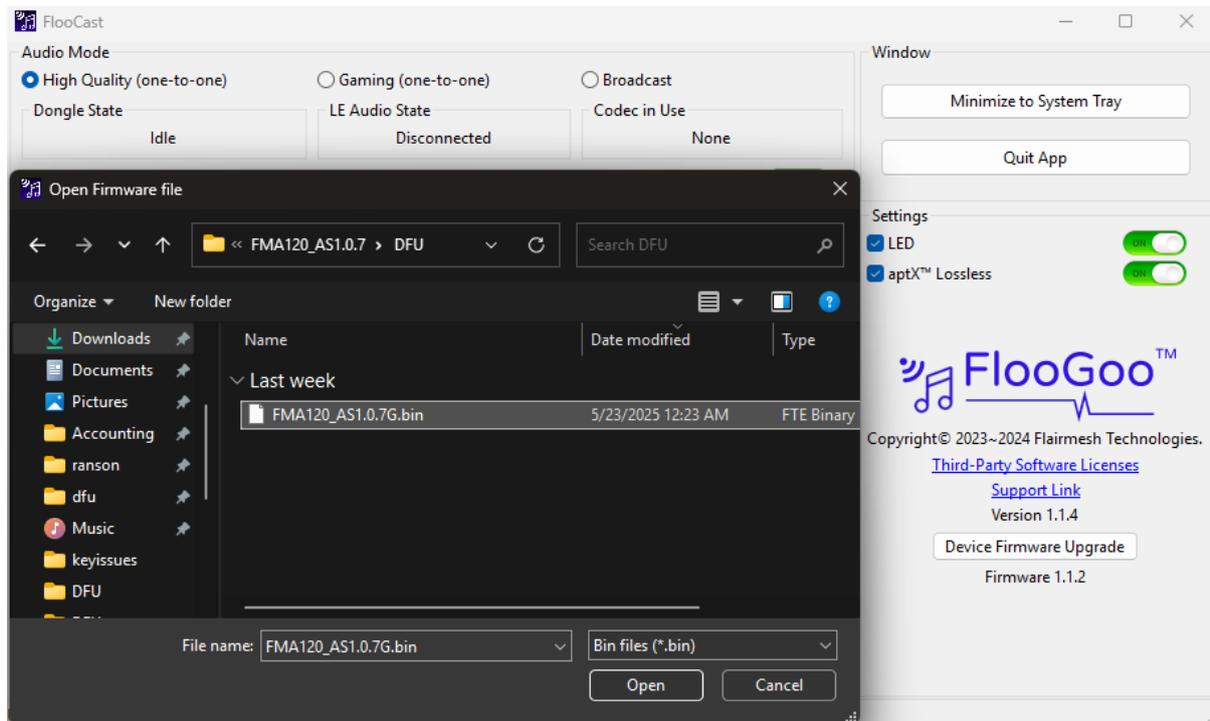
The app will display the update progress as a percentage.
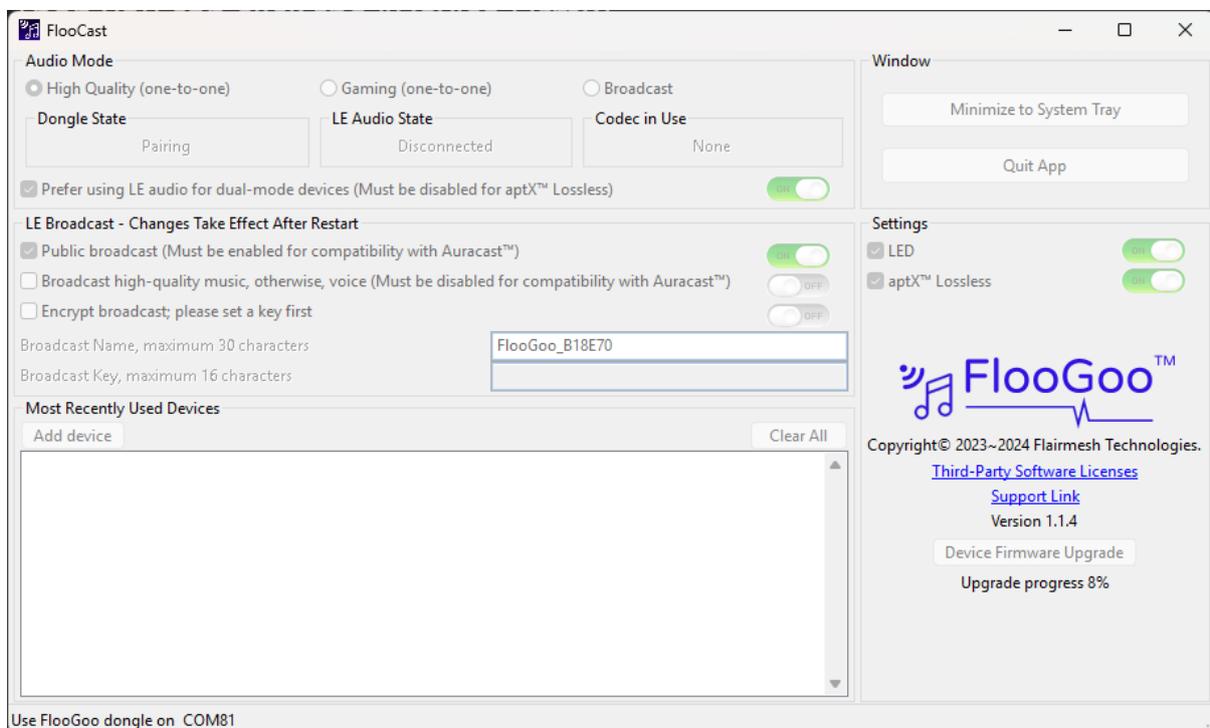
Wait until the new firmware version, such as "Firmware AS1.0.7", appears below the "Device Firmware Upgrade" button to confirm the update was successful.
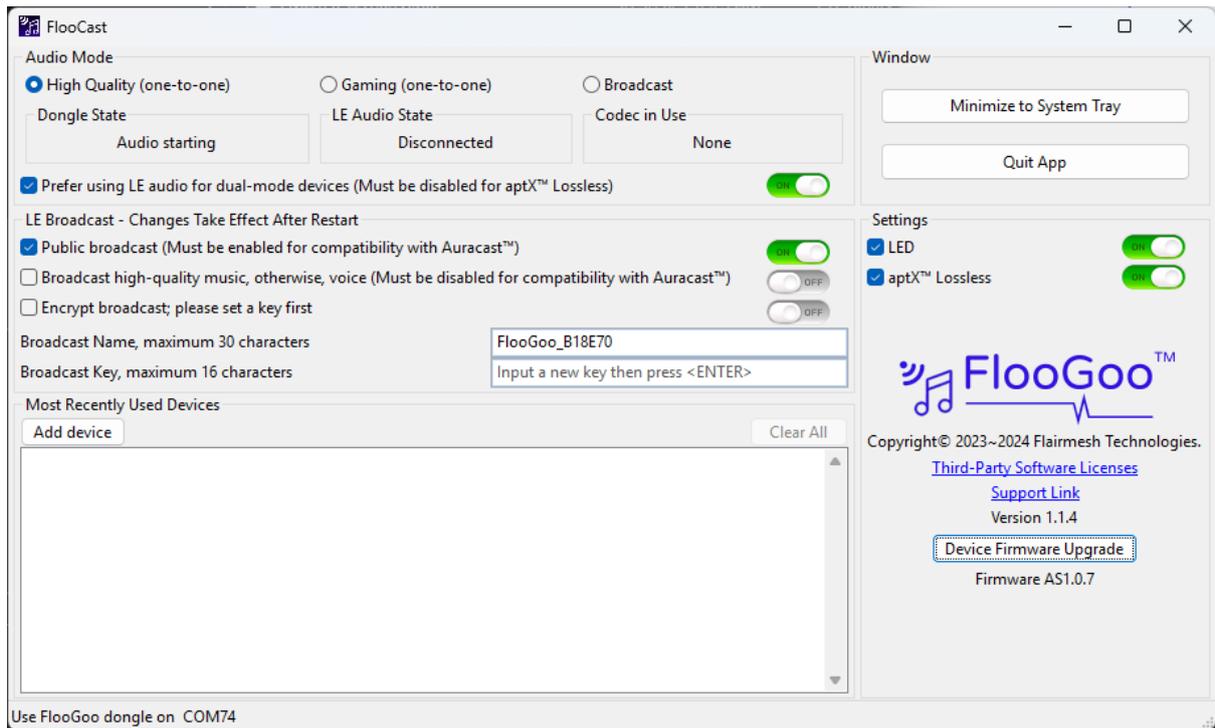
Step 2: Using the Dongle with Your Phone or Tablet

The FMA120 features a USB-A male connector. To use it with mobile devices that have a USB-C port, a standard USB-C to USB-A adapter can be used. An example of such an adapter is shown in the image below.

Legacy iOS devices with a Lightning port can be used with a Lightning OTG adapter or an Apple Camera Adapter. These adapters feature a male Lightning connector on one end and a USB-A female port on the other. An example is shown in the image below.

Apple, iPhone, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.

Download the FlooCast Mobile App

To use the FMA120 with your mobile device, please install the FlooCast app from the appropriate store:

- **Android:**
  [FlooCast on Google Play](#)
- **iOS:**
  [FlooCast on the App Store](#)

Step 2A: Android Setup

When you launch the app for the first time, it will request microphone access. Please choose "While using the app" to enable audio playback of the received Auracast stream through your selected output device—whether it's the phone's speaker, or connected Bluetooth headphones, earbuds, or hearing aids.
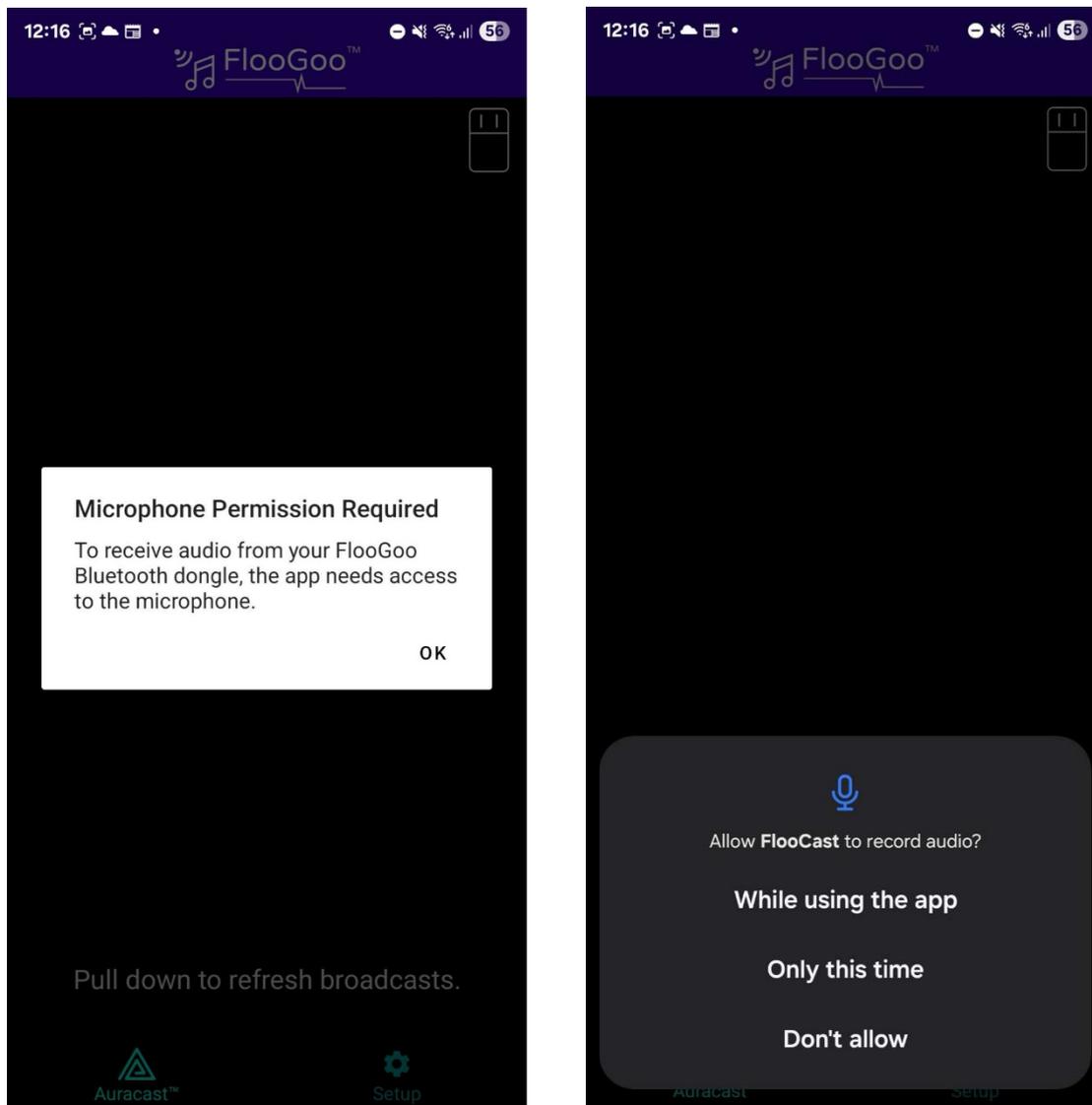
When you plug the FMA120 into your mobile device, the app will also request permission to access the connected USB device. Please grant this permission to ensure proper operation.

You can now swipe down to scan for nearby broadcasts. The app will display a list of all detected broadcasts—simply tap the one you'd like to listen to. If the broadcast is encrypted, you'll be prompted to enter a passcode.

Once the app begins receiving and playing the broadcast, it will be marked with a music icon next to the broadcast name. If the stream is encrypted, a lock icon will also appear.
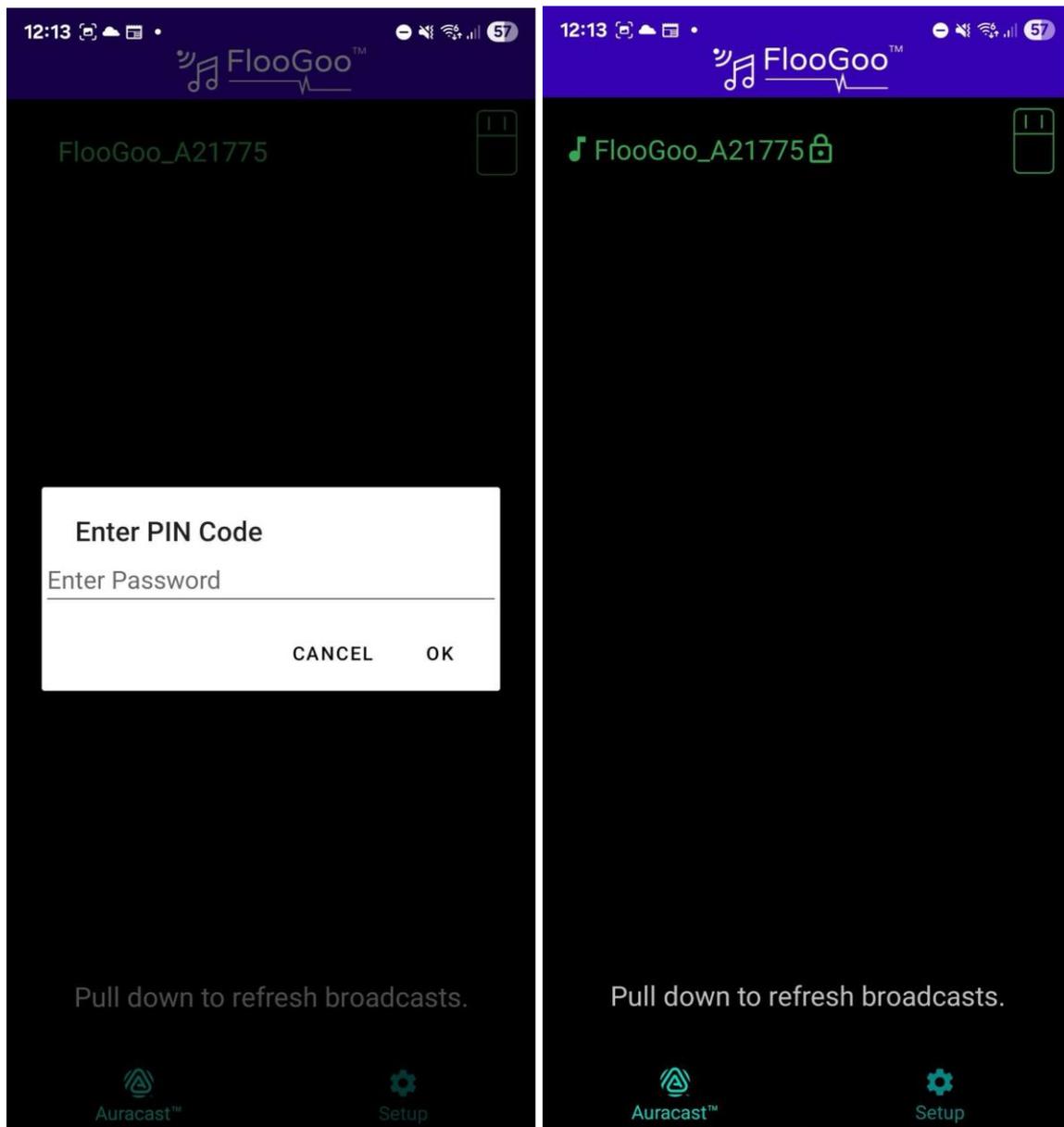
You may notice we haven't mentioned anything under the "Setup" tab in the app. That's because, by default, the app automatically selects the appropriate playback device. If you have Bluetooth headphones, earbuds, or hearing aids connected, they will be used automatically—so in most cases, there's no need to adjust any settings.

If you prefer to manually select a playback device, you can do this in the "Setup" tab of the app. After making your selection, please restart the broadcast to apply the change.
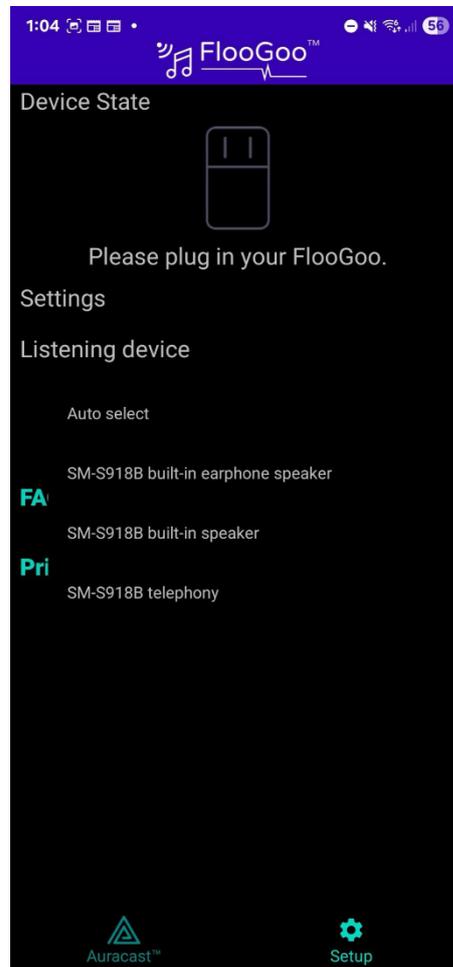
Step 2B: iOS Setup

When you launch the app for the first time, it will request Bluetooth access—please tap "Allow" to enable communication with the FlooGoo FMA120 in receiver mode.

Next, plug the FMA120 into your phone. When the LED begins flashing rapidly, go to the "Setup" tab and tap "New Pairing." The app will then display a Bluetooth pairing request—please tap "Pair" to complete the connection.
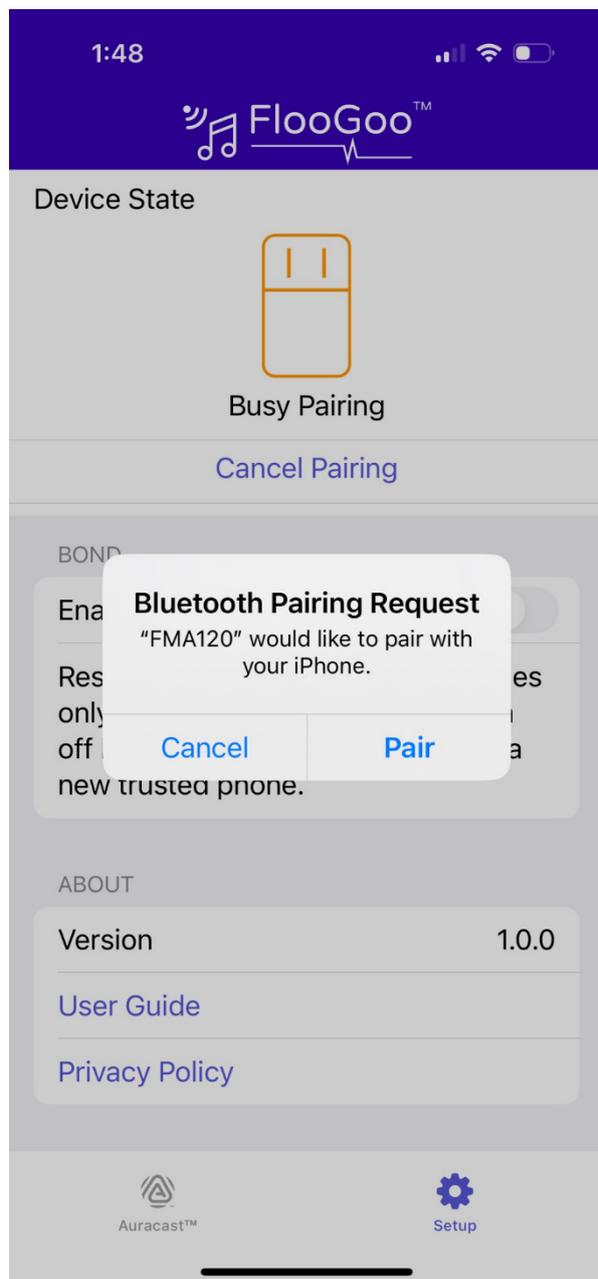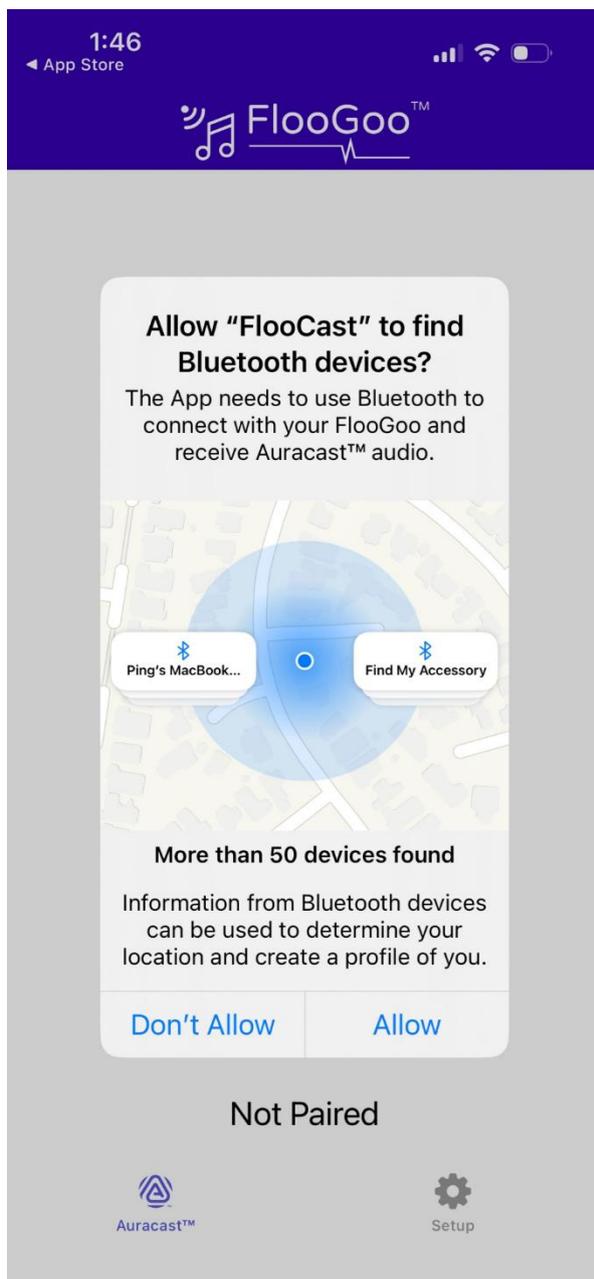
Once the status changes to "Connected" and the device icon turns green, you can navigate to the "Auracast" tab to search for and select a broadcast.

1:48	**1:48**
FlooGoo™	FlooGoo™
Device State	
Connected	FlooGoo_A21775
Removed Paired FlooGoo	
BOND	
Enabled ⬤	
Restrict connections to paired phones only. For security, keep this on. Turn off briefly to pair the FLooGoo with a new trusted phone.	
ABOUT	
Version 1.0.0	
User Guide	
Privacy Policy	Connected - pull down to refresh broadcasts.
Auracast™ Setup	Auracast™ Setup
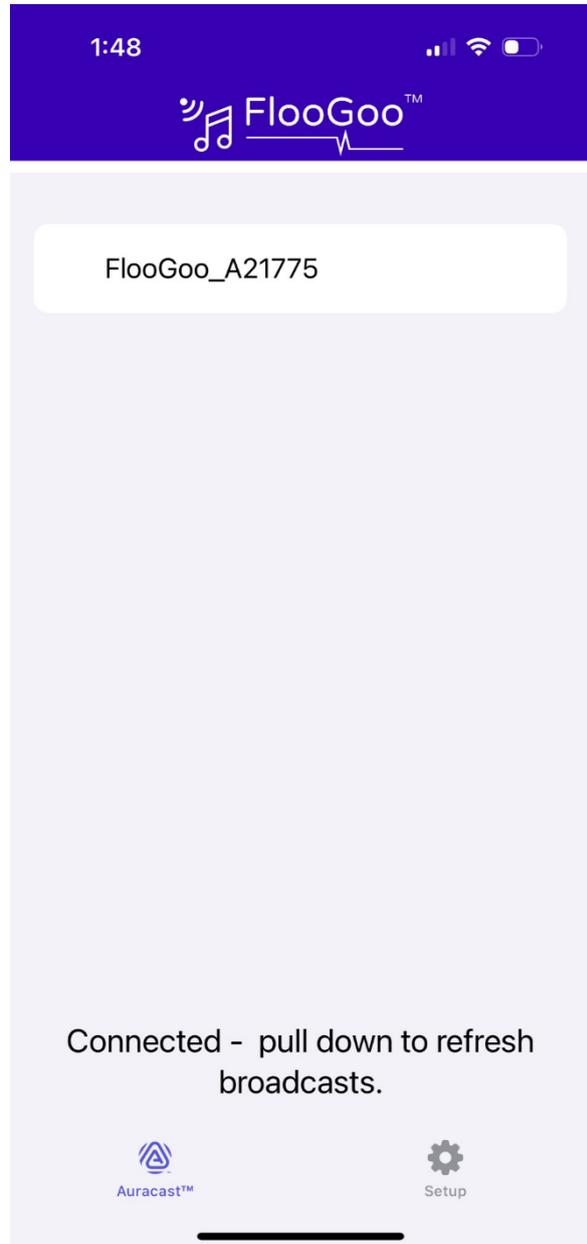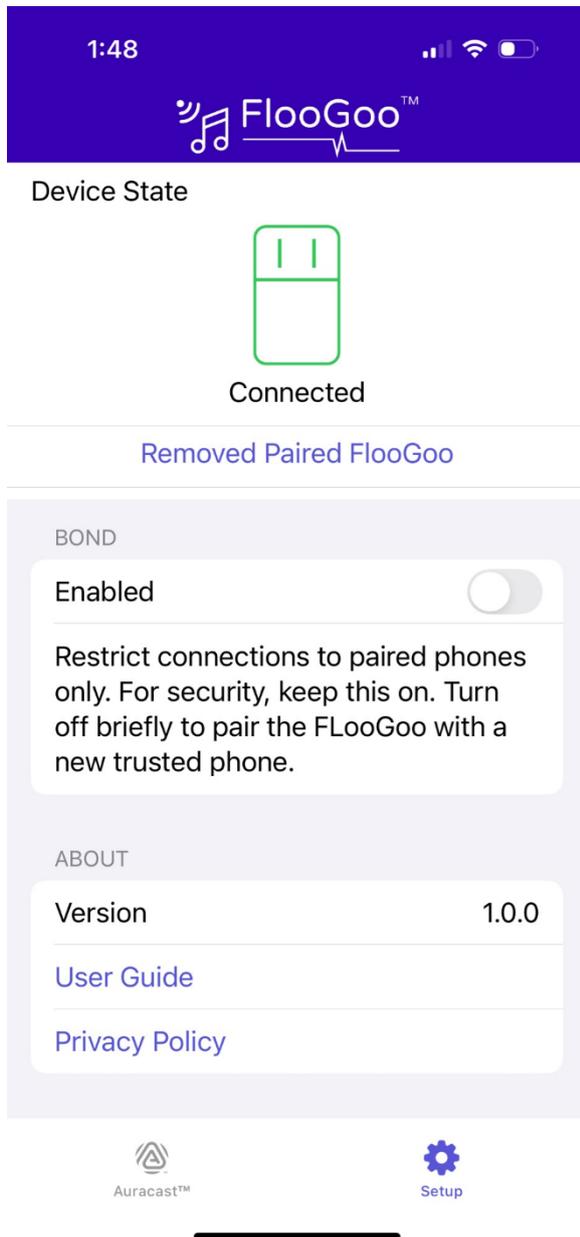
The first time a broadcast is received, iOS will request microphone access. Although the FMA120 in receiver mode is not an actual microphone, it functions as an audio input device and is therefore recognized as one by iOS. Please tap "Allow" to begin receiving audio. If you intend to listen through your hearing aids, make sure the correct output device is selected in the Control Center.
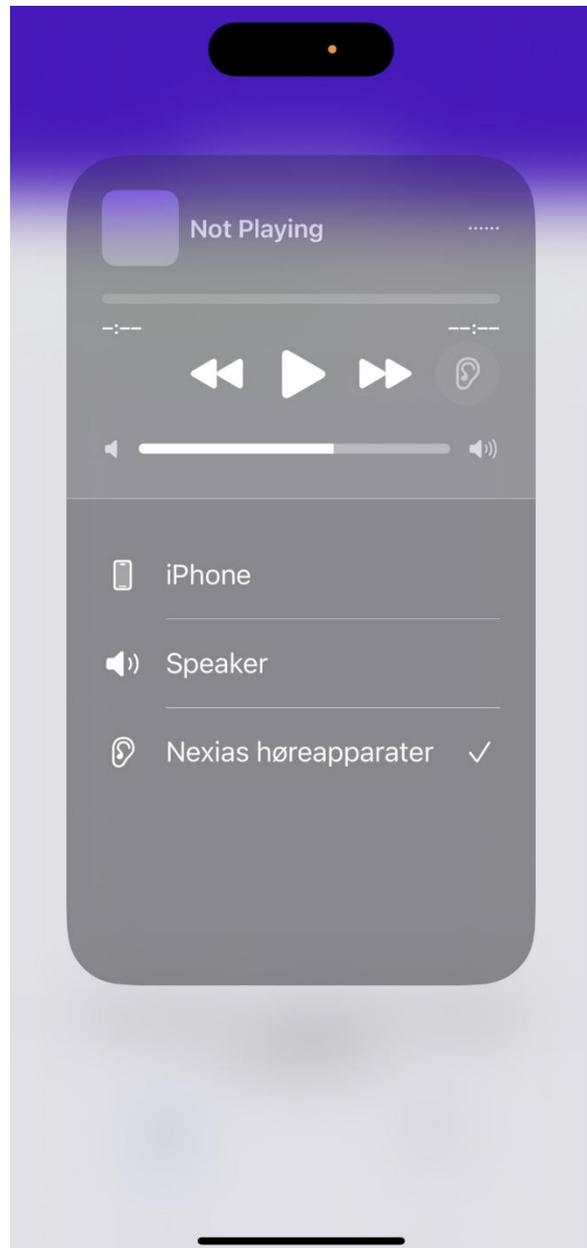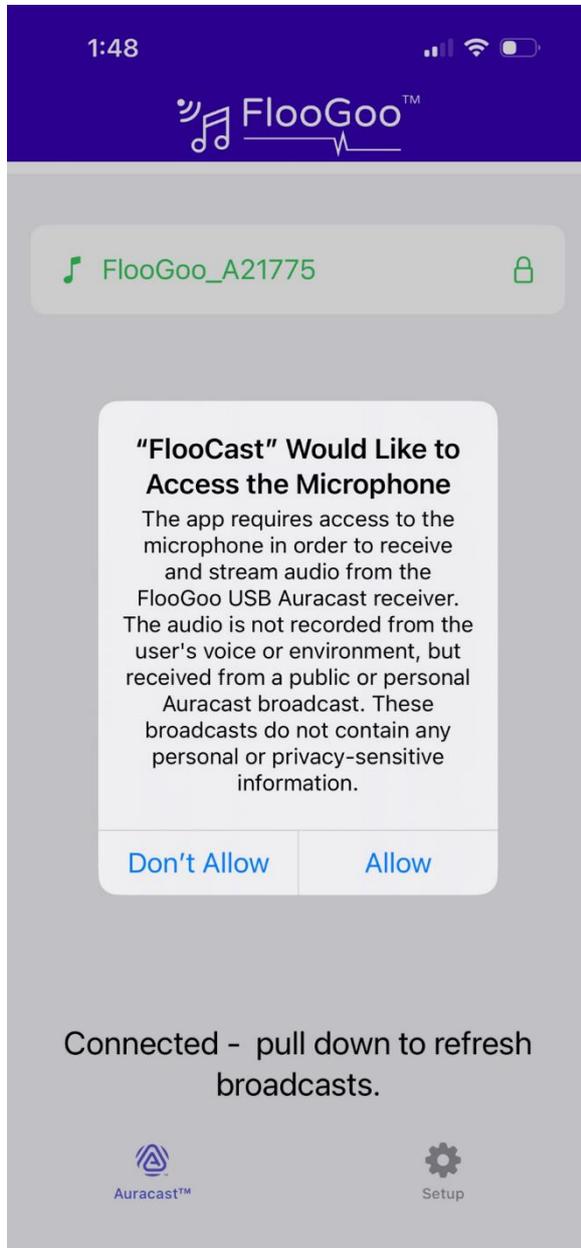
Troubleshooting Q&A and Support

Q: The LED doesn't flash or light up when I connect to the mobile device.

A: FlooGoo FMA120 can be inserted into a USB-A socket from both sides, but it only works when the correct side is used. Check if the golden connectors on FMA120's USB connector are contacting the receptors of the USB port when inserted.

Q: Where can I find the latest firmware for the dongle?

A: You can find the latest firmware through the Support Link, which is also accessible from the desktop app.

Q: What if I encounter other issues?

A: You can contact us via email at support@flairmesh.com.