



FlooGoo Auracast™ True Wireless Stereo – User Guide

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Introduction

As Auracast™ technology continues to gain adoption in home entertainment systems, the demand for true wireless stereo and multi-channel audio setups is also increasing. Many Auracast-enabled speakers currently available on the market are designed to tune in to a preset broadcast channel or one configured during an initial setup process. However, a single speaker—even one equipped with multiple drivers—cannot deliver a true stereo or spatial audio experience.

At present, pairing two independent Auracast speakers to function as a synchronized stereo system is not widely supported by most vendors. A more effective approach is for an Auracast transmitter to broadcast multiple synchronized audio channels, each delivered through separate broadcasts. This allows multiple speakers to receive different channels while maintaining precise synchronization, enabling a proper stereo listening experience.

The **FlooGoo™ FMB120, FMA120, and FMA121** can be equipped with specialized firmware that enables this functionality. With this capability, users can easily build a **true stereo Auracast speaker system** using two speakers, each receiving a dedicated audio channel from the transmitter.

In addition, the FlooGoo device broadcasts a standard stereo stream that is compatible with **earbuds, headphones, and hearing aids**, allowing the Auracast system to support a wide range of listening devices and audiences.

Trademark Notice

Auracast™ is a trademark of Bluetooth SIG, Inc. Any use of such marks by Flairmesh Technologies is under license. Other trademarks and trade names are those of their respective owners.

Firmware

Please download and update the FlooGoo device using the following firmware to enable multi-channel Auracast broadcasting:.

https://www.flairmesh.com/support/FMA120_1.1.6.5.zip

Setup of the Transmitter

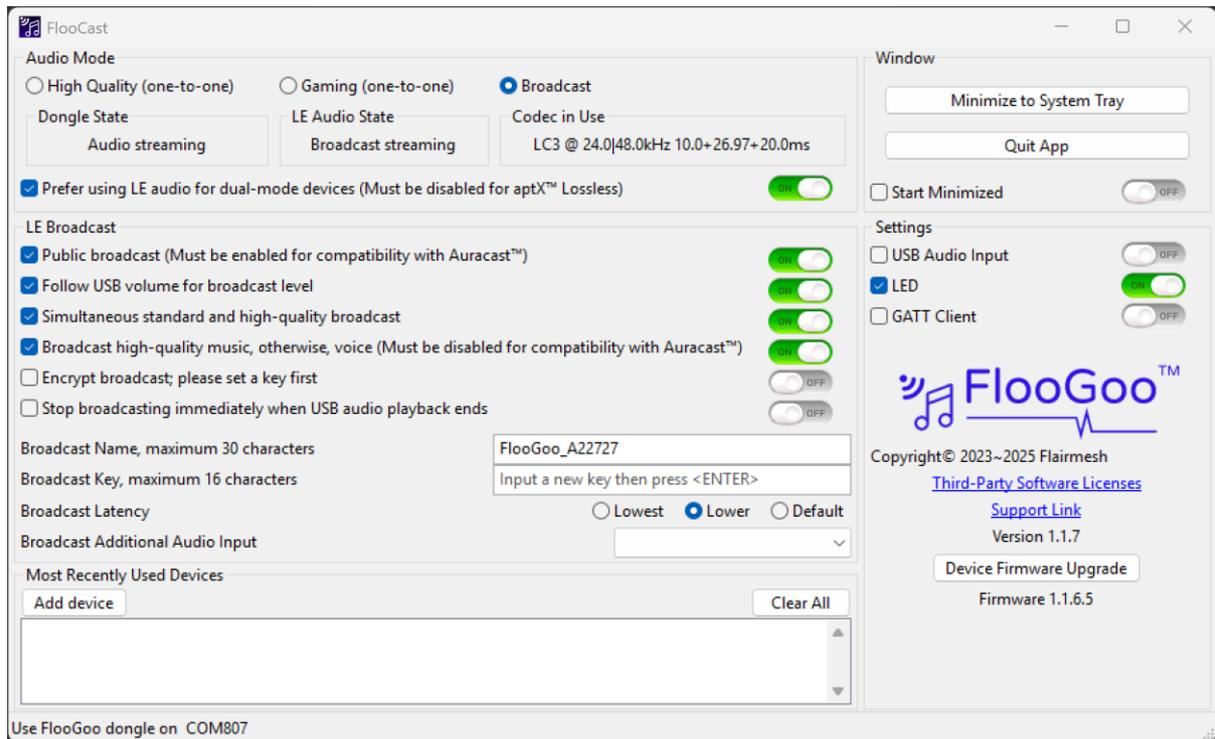


Figure 1. Settings of FlooCast

As shown in Figure 1, the FMA121 (used here as an example) receives audio through its 3.5 mm AUX input. After enabling the options “Public Broadcast,” “Simultaneous Standard and High-Quality Broadcast,” and “Broadcast High-Quality Music,” the transmitter generates three Auracast broadcasts..

Figure 2 shows the three broadcasts detected on a Samsung phone.

The broadcast without the “L/R” suffix provides a standard stereo stream, which is suitable for earbuds, headphones, and hearing aids that support stereo playback.

The other two broadcasts, labeled “L” and “R,” transmit the **left and right audio channels separately**. These broadcasts operate in **48 kHz high-quality mode** to provide optimal audio performance. Users can tune a pair of Auracast speakers to the “L” and “R” broadcasts respectively to create a **true wireless stereo speaker system**, enabling an authentic stereo listening experience.

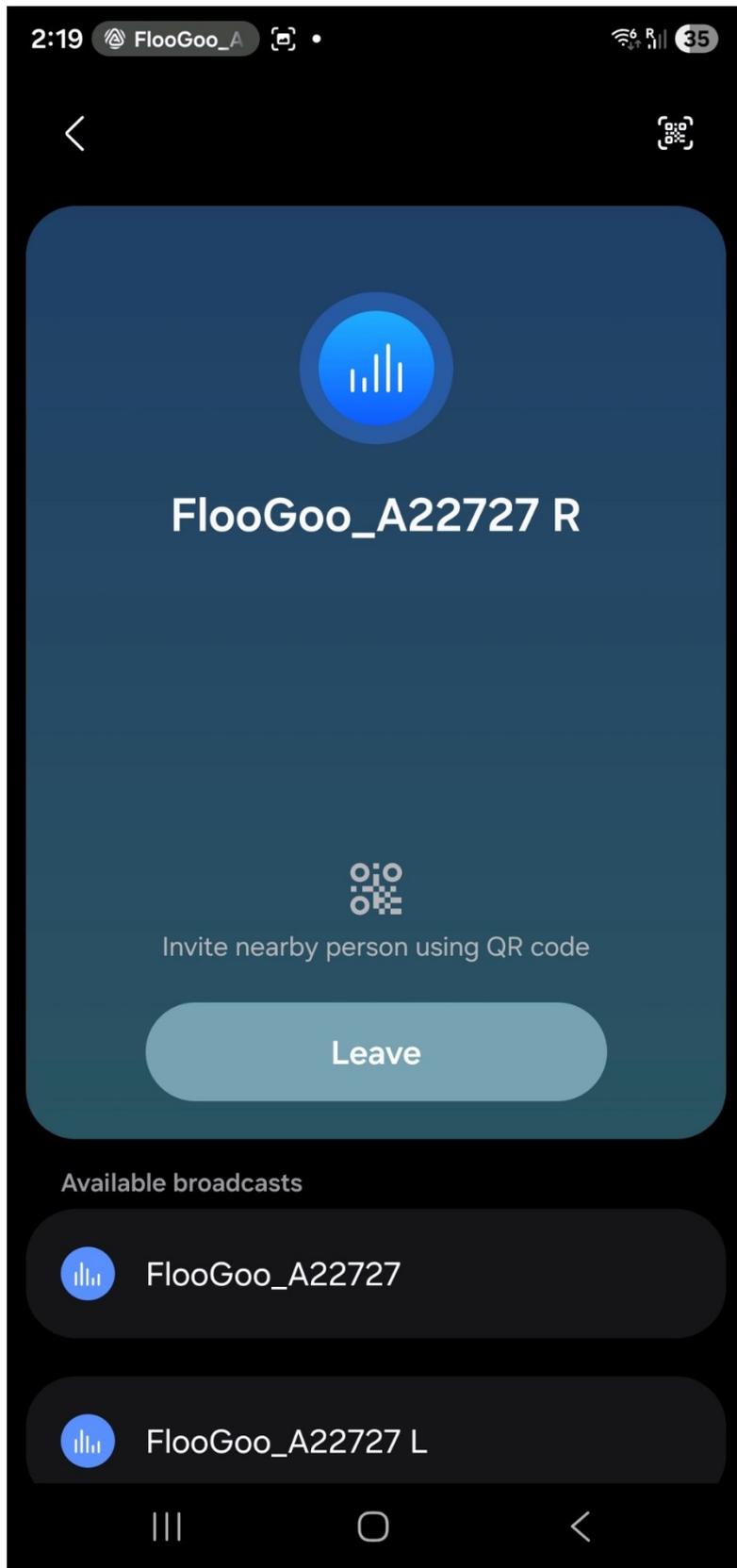


Figure 2. Multiple Auracast Broadcasts from FlooCast

Troubleshooting Q&A and Support

Q: Can this system be expanded to support four channels?

A: Please contact us if you require additional channel configurations or other extended functionality..

Q: What if I have other issues?

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