

# CASE STUDY: MULTI-ROOM AUDIO CONTROLLER APP



**ACCESSORIES**

## **CLIENT PROFILE**

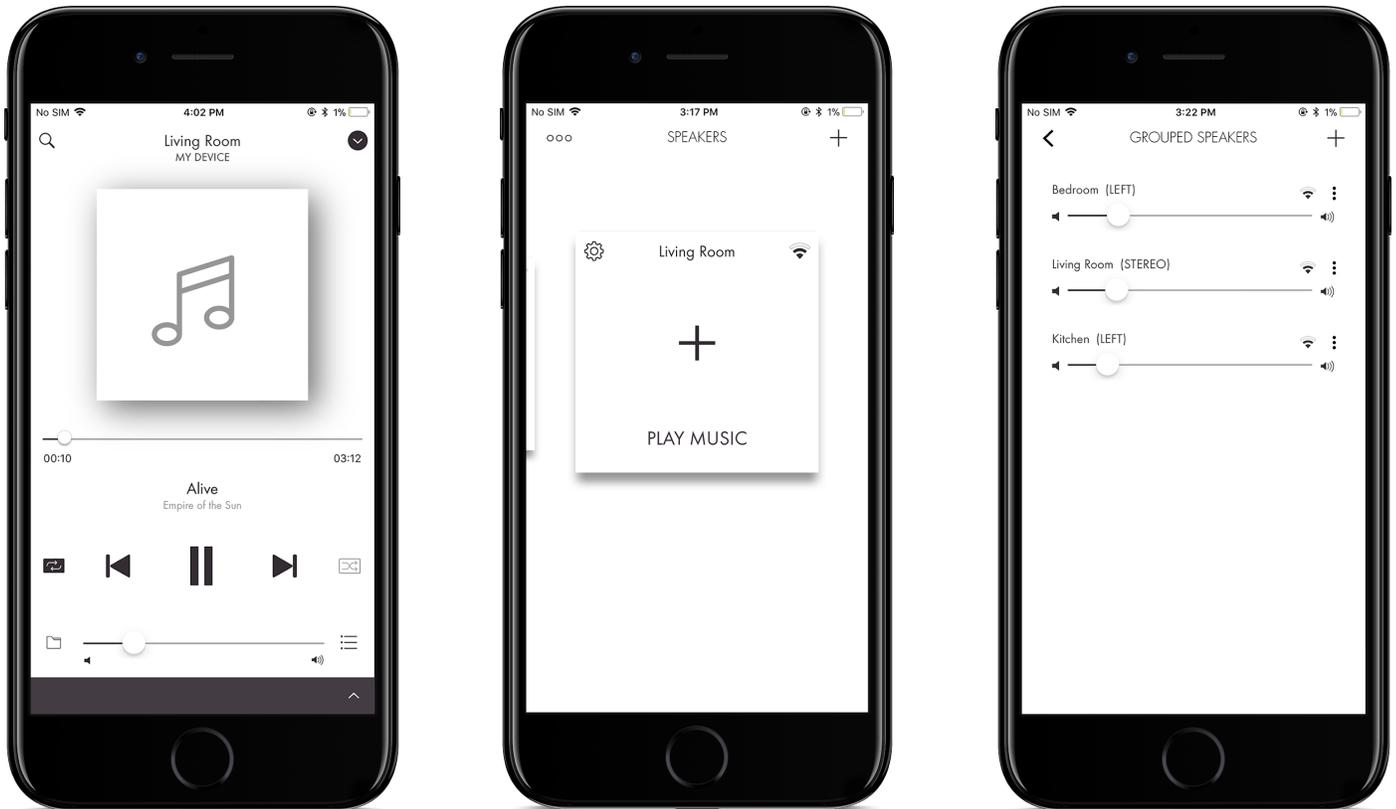
ETON Corporation, a leading manufacturer of high-performance audio products, engaged with LeewayHertz to build an app that could connect to ETON AIR streaming speakers.

## **CLIENT REQUIREMENTS**

The company required a multi-room audio solution controlled by Android and iOS devices to communicate with multiple speakers without audio latency. They wanted that the app should support local media contents, NAS music source, Bluetooth, Airplay and Google Chromecast.

## **PROCESS**

ETON Corporation selected LeewayHertz to embark on the digital journey in 2017. While starting the project, the LeewayHertz team studied a lot about ETON's hardware components to understand its functionality. In the project initiation discussion with the client, LeewayHertz identified the possible features of the mobile app. Initially, the technical and visual designs were created to get the client's feedback. The team of experts at LeewayHertz used Google Cast SDK and Airplay to extend the Android or iOS app to stream both audio and video content to a sound system. LeewayHertz provided ETON a comprehensive digital solution that enabled multiroom grouping for synchronous music throughout the home with Stereo, Left or Right, or Mono Mode.



## CHALLENGE

Before the digital solution for ETON was introduced, it was not possible for the users to play music in sync throughout the different rooms. People had to make use of the remote device, restricted to a specific range for streaming music. Moreover, due to the wired connection, they had only limited music sources like USB driver, AUX input, or FM radio. That is the reason why the client realized the need for a smart solution that could offer wireless music stream through iOS and Android device.

## SOLUTION

The wireless speaker, ETON AIR, required music streaming controlled through Android and iOS device with the mobile app. LeewayHertz built an easy-to-use app that turned the smartphone into a remote control device to play music on all wireless speakers in the entire home.

**Some of the crucial features of the ETON AIR mobile app are:**

- **Multi-Source:** Supports audio stream from the multiple sources such as NAS music source, local media, Airplay and Google Chromecast.
- **Sleep Functionality:** A user can set a sleep timer to auto power off the device after a specific period of inactivity.
- **Customized Playlist:** Presets the playlist that can be controlled and played via a smartphone or tablet.
- **Multi-Functional:** A user can use multiple functions at a time. For example, they can set one speaker to mute, while the speaker in another room to loud mode from the mobile device itself.
- **Multi-Room:** The app can enable users to play the same music in sync or different songs in different rooms.



*Supports:*



## **IMPACT**

The mobile app was appreciated a lot by ETON users. The integration of the speakers with the mobile app helped the client to reach targets and increase the sales.

- Increased customer engagement.
- Improved sales.
- Reached target.

## **ABOUT ETON**

Established in 1983, ETON Corporation is a German-based leading Audio Products Manufacturing Company. They are well-known for delivering ultimate and powerful listening pleasure to their customers.

## **ABOUT LEEWAYHERTZ**

Established in 2007 and headquartered in San Francisco, we are one of the first organizations to deliver a commercial app for the iPhone. Our team of Certified User Experience experts has designed and produced over 100 digital platforms for startups and enterprises.

Being an award-winning custom software development company, we have an expertise in delivering digital platforms within timely deadlines and fixed cost.

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