

Invention Title:

Sound Streaming for Meeting Rooms and Other Applications

High Level Invention Summary (Abstract):

Portable/Low Cost Alternative to Push to Talk Microphones and expensive speakers

Differences over Prior Art:

Current PTT microphone local sound reinforcement systems are expensive to rent or purchase. This system uses an inexpensive Bluetooth hub (made from a \$35 Raspberry Pi small computer with multiple Bluetooth dongles to connect numerous Bluetooth headsets (can be as inexpensive as \$10) as the microphones and uses a simple self-amplified speaker to amplify the current speaker. Besides using extremely inexpensive components, it automatically pairs the headsets to the hub and automatically mixes and/or selects the audio inputs for the output to the speaker. The complete system is tiny and can be run on batteries for several hours

Invention Description:

This invention uses Bluetooth microphones (or simple Bluetooth headsets) to create a sound reinforcement local conferencing system in a room.

Invention Commercial Value/Customers:

Meeting planners/businesses/startups/educational facilities/others spend \$\$\$\$\$ renting and buying push to talk microphones so that meeting attendees are able to hear and speak to one another in face to face meetings. Our invention is a low cost/mobile replacement.