

Bluetooth MINE

Managed Individual Networked Experience

Concept outline | Robert Nolte | October 2026

Main proposition. Auracast created the non-proprietary audio broadcast, but it was introduced with the cart before the horse. People will not learn a complicated receiver system after walking into a church, theater or airport. They need a personal system they already use every day at home and work. Bluetooth MINE would provide that system: the phone manages a person’s paired hearing aids or earbuds as one persistent stereo device while the listener chooses among compatible Auracast transmitters.

1 The problem Auracast has not solved

- Receiver management is fragmented. The phone operating system and a manufacturer’s app may compete for the same left and right hearing aids. If one aid drops, the pair can split between two pickers instead of restoring the original session.
- The current experience exposes technology instead of intent. Users are asked to understand pairing, broadcast scanning, QR codes, app behavior and separate left and right receivers when they merely want to hear the television or sermon.
- A manufacturer picker may provide a reduced experience. In the observed MyStarkey implementation, Auracast is mono rather than stereo, and its stream adjustments are separate from the aids’ ordinary listening controls.
- The Android OS picker provides the better foundation, including stereo, but session recovery and restoration of the user’s prior listening state remain incomplete.
- Extended Auracast reception can expose practical battery limitations in 312-powered hearing aids. A connection may fail while the cell still has enough energy to restart the aid, making sustained home streaming less dependable than the advertising implies.

2 The organizing idea

Auracast belongs to the place. Bluetooth MINE belongs to the listener. The venue or household device supplies an open, non-proprietary broadcast. The phone supplies the established personal listening system: paired receivers, remembered preferences, stereo coordination, source selection and recovery.

Layer	Responsibility
Auracast transmitter	Broadcasts standard audio from a television, computer, house of worship, theater or other source without owning the listener’s hearing aids.
Bluetooth MINE on phone	Finds sources, presents meaningful names, routes the selected broadcast and manages the listener’s receivers as one persistent device.
Hearing aids or earbuds	Store their fitting and manufacturer processing while behaving as standards-compliant personal audio endpoints.

3 What Bluetooth MINE must do

- **Manage the pair.** Treat the left and right hearing aids as one persistent stereo headset, not as independent receivers.
- **Offer source choice.** Show nearby and remembered transmitters by meaningful names such as Living Room TV, Home Music, Office Computer and Sunday Service.
- **Restore the session.** Reconnect either aid after a brief dropout, restore left and right channels, rejoin the selected source and recover the previous listening state.
- **Preserve control.** Provide stream volume, balance and surroundings level through the operating system without requiring a manufacturer app for routine listening.
- **Handle interruptions.** Allow calls, alarms and phone audio to take priority, then resume the selected broadcast automatically.
- **Hide the plumbing.** Let the system coordinate Classic Bluetooth, LE Audio and Auracast. The listener chooses what to hear, not which transport or connection manager to use.
- **Remain open.** Work with any compliant phone, transmitter, hearing aids or earbuds. No proprietary streamer should be required.

4 The everyday path to public Auracast

Public Auracast adoption is unlikely to begin in public. A person cannot reasonably arrive at a service or performance and learn an unfamiliar audio system while already unable to hear. The habit must be formed with familiar transmitters at home and work.

- At home, the listener enables Allow personal transmitters once, then chooses Bedroom TV, Living Room TV, Home Music or another familiar source.
- The phone remembers the paired aids, settings and operating routine. Selecting a broadcast becomes ordinary rather than technical.
- At a church or symphony hall, Sunday Service or Auditorium Audio simply appears as an available nearby source.
- The listener taps it. The phone routes it through the already paired and fitted aids, then restores the prior personal source when the listener leaves.

Bluetooth MINE creates the users. Those users create the market for public Auracast.

5 Why the industry should act now

- Google has an opening to establish an open personal-audio model across Pixel, Samsung and other Android phones before a vertically integrated competitor defines the experience around its own products.
- Hearing-aid makers gain a larger market. Reliable connection to every household source makes fitted hearing devices attractive to spouses, people with mild loss and consumers considering premium earbuds—not only traditional hearing-aid buyers.
- Venue operators gain an audience that already owns compatible receivers and already knows how to select a broadcast. Installation becomes a response to demonstrated demand rather than an act of faith.
- The necessary components largely exist: LE Audio, Auracast discovery, stereo pairing, audio-focus handling, remembered device state and reconnection services. The work is integration, ownership and product design—not invention of a new radio.

6 Trial specification

Bluetooth MINE shall let a phone manage paired hearing aids or earbuds as one persistent stereo device while the listener selects among multiple open Auracast transmitters. A personal transmitter shall advertise MINE capability so the operating system can remember it after one approval. The system shall preserve settings, recover either receiver automatically, interrupt for calls and resume the selected broadcast afterward.

The immediate opportunity. A capable Android and Bluetooth development team could assemble a trial from existing components quickly enough to test the experience with real hearing-aid users. In a finished system, MINE disappears as a separate product and becomes no more than a checkbox labeled Allow personal transmitters. Full production reliability may require operating-system privileges, which is precisely why the concept belongs at the Android platform level.