

Step-Hear – Accessibility for People with Disabilities mostly People with Blindness or Visual Impairment

[Step-Hear](#) is a pioneer in developing smart solution for making public spaces and public transportation accessible for people with disabilities. These solutions can be used to help everyone that needs extra assistance.



1: Diagram with Step Hear app in the middle, connecting to Step Hear devices for different uses Figure

Step-Hear system includes -

STEP-HEAR GUIDE- Accurate wayfinding system for people with blindness or visual impairment, indoors and outdoors, by audio anchoring and audio guidance.

STEP-HEAR URBAN- Smart interactive accessibility system for public transportation and pedestrian crossings. Users can contact the driver of public transportation, activate APS traffic lights, and much more.

STEP-HEAR ASSISTANT- Allows the user to get immediate help, for example, to let a reception of a venue know they have arrived, to open doors and gates or to activate a wheel-chair lift at the press of a button.

Step-Hear overview video - https://www.youtube.com/watch?v=0J2O6dpR_uo

How does the system work?

When a user of the **free Step-Hear app** is close to one of the **Step-Hear devices** that are pre-installed in public or commercial places and in public transportation, it automatically activates the relevant function of the device, by using Bluetooth connection.

- Step-Hear also cares for the users who do not use apps – a personal wrist activator connects and activates the Step-Hear devices.



This is **the most advanced system for wayfinding for the people with blindness or visual impairment** - thanks to the unique **Audio-Sign** - a smart loudspeaker, which is automatically activated by the Step-Hear app or wrist-activator.

Figure 2: Step Hear Audio Sign

The Audio-Sign is essential for people with blindness – it is an anchor for them to find an accurate point such as an entrance door to a building, and to know exactly where to stand within the Bluetooth range - so that the wayfinding instructions are correct and accurate.