behear.

PERSONAL HEARING AMPLIFIER

BeHear SMARTO

Simple yet powerful personal hearing amplifier with Bluetooth® connectivity

HEARING TECHNOLOGY INNOVATOR WINNER 2021

Hearing Technology Innovator Award 2021
Winner · Wearable Listening Device



70 dB
full-on gain, up to 126 dB SPL

40 h
of operation as a sound amplifier

BT 5.0
with aptX™ Low Latency for TV

75 g
120 × 40 × 20 mm, splash resistant

The easiest way to keep up with any conversation. BeHear SMARTO is a fully customizable hand-held or body-worn personal hearing amplifier. It gives a substantial hearing boost, so people with moderate to severe hearing difficulties can take a full part in live conversations. It also improves listening to streamed audio from a mobile phone, TV or any other Bluetooth device, and a built-in masking sound you tune yourself can ease the discomfort of tinnitus.

KEY BENEFITS

- **Simple and effective**
  Large, colorful buttons make it easy to use, also for people with limited mobility, vision or dexterity, or with dementia.
- **Sound source focus**
  Only the voice of the person speaking is amplified, not the whole room.
- **Loud and clear mobile calls**
  Personalized amplification, noise reduction and EasyListen™, which slows down incoming speech when desired.
- **Tinnitus relief**
  A customizable masking sound may ease the discomfort of tinnitus.
- **Tailor-made amplification**
  Conversation is not just louder: it is personalized to the user's own hearing profile.
- **Built-in safety feature**
  A single-press emergency call to a number the user chooses brings help quickly and gives family peace of mind.
- **Superior audio quality**
  Clear dialogue and rich music from TV, music, podcasts, conference calls and other streamed audio.
- **Free BeHear app**
  Hearing check, sound tuning, EasyListen™, tinnitus masking and updates over the air. Optional: SMARTO works out of the box.

Technical specifications

Bluetooth

Version	5.0 + EDR + BLE
Range	10 m / 30 ft
Codecs	SBC, aptX, aptX-LL

Audio performance

FREQUENCY RANGE

Sound amplifier	100 Hz – 8 kHz
Bluetooth audio	20 Hz – 20 kHz

OUTPUT, SUPPLIED HEADSETS

Output level	126 dB SPL
Full-on gain	70 dB

Power

Battery	Li-Ion, built in
Capacity	1000 mAh
Charging time	2–3 h

OPERATION TIME

Sound amplifier	40 h
Voice calls	36 h
Audio streaming	36 h

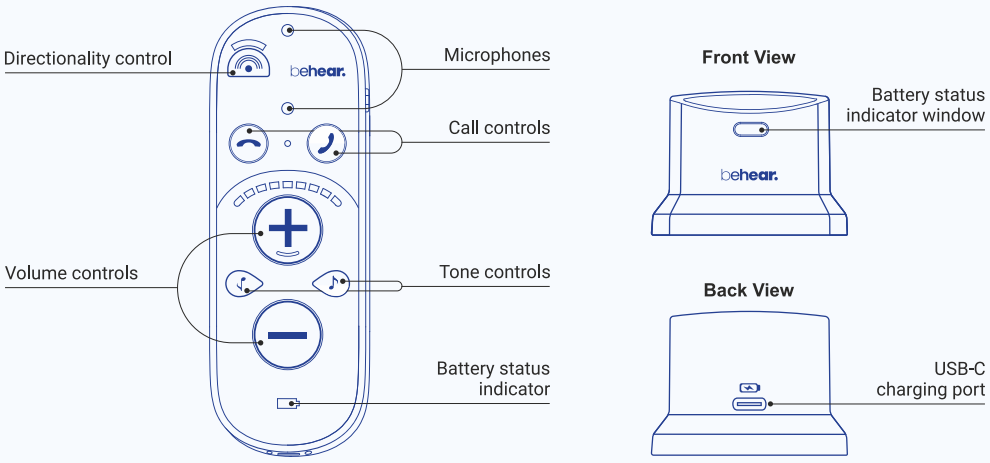
Mechanical

Dimensions	120 × 40 × 20 mm
	4¾ × 1⅝ × 13/16 in
Connector	USB-C, unit and cradle
Weight	about 75 g (2.6 oz)
Water	splash resistant

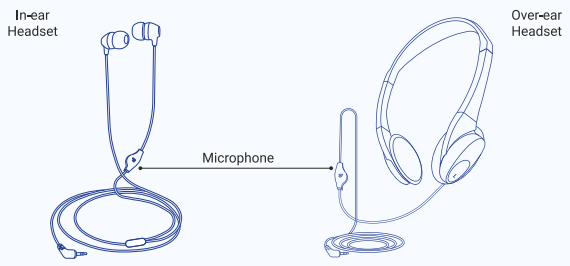
Certifications

FC CE RoHS

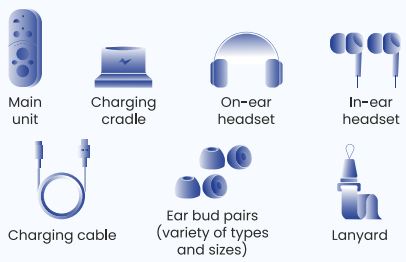
Functional diagram



Stereo headsets



In the box



Specifications may change without notice. © 2026 BeHear