

Personalized hearing amplifier integrated into a Bluetooth® stereo headset for people with mild to moderately severe hearing challenges; good for live conversations, mobile calls, streamed audio, and looped venues.



Key Benefits

Simple and effective: Control volume and bass/treble emphasis with large, tactile buttons.

Tailored amplification: Perform a self-hearing check and access advanced settings via the BeHear app to customize hearing.

SoundFocus™ directionality: Reduce background noise and amplify the person talking, not the whole room.

Loud and clear phone conversations: Boost the volume on mobile calls and improve their intelligibility with EasyListen™ technology, which slows down incoming speech.

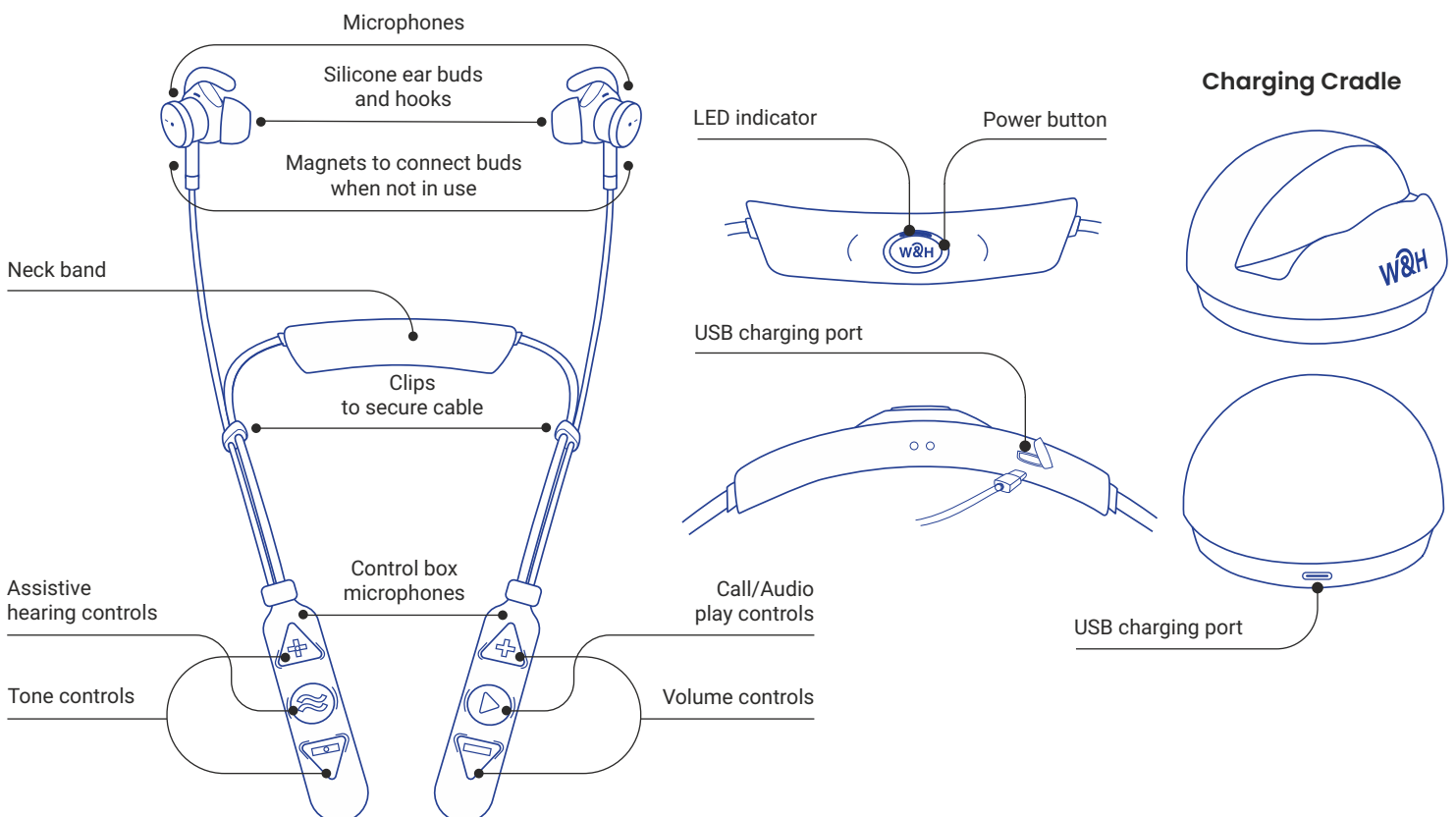
Superior audio quality: Enjoy clear, amplified dialogue and rich music from TV, smartphones and all Bluetooth streaming devices while staying safe and alert to important sounds with ListenThrough™ technology.

Tinnitus masking: Reduce discomfort with built-in, customizable random noise generation technology.

Integrated telecoil receivers: Enjoy the clearest possible audio in locations equipped with hearing loops.

CROS/BiCROS support: Transfer sounds originating on the side of the deaf ear to the hearing ear.

Functional Diagram



Electrical Specifications

Bluetooth

- Version 5, Class II
- HFP 1.6, HSP 1.2, A2DP 1.2
- Supported audio CODECs: SBC, aptX, aptX-LL
- Range: 30 ft / 10 m

Acoustic Performance

- Maximal Sound Pressure Level (OSPL90):
 - 100 dB in talk and music play modes
 - 116 dB in hearing amplification mode
- Full-on Gain: 42 dB
- Total Harmonic Distortion (THD): < 0.7%

Receiver Specifications

- Speaker: 13.6 mm receivers
- Frequency Response: 20 Hz to 20 kHz

Microphone Specifications

- Microphones (4 in total):
 - Ultra low-noise 74 dB SNR ECM in each earpiece
 - Low-noise digital 64 dB SNR MEMS in each control box
- Frequency Response: 100 Hz to 15 kHz

T-coil Receiver

- Type: Dual coil
- Frequency range: 200 Hz – 8 kHz

Battery

- Rechargeable Lithium Ion
- Charging interface: Micro USB
- Capacity: 250 mAh
- Charging time: 2 hours
- Battery life: 500 charging cycles

Operation Time

- Hearing Mode: 13+ hours
- Talk: 10+ hours
- Play: 8+ hours
- Standby: 400 hours

Software Versions Supported by BeHear App

- Android: Version 4.4 and up
- iOS: Version 9 and up

Physical Specifications

- Neck loop form factor (behind the neck)
- Headset weight: 1.7 oz./ 47 grams
- Package weight: 22.6 oz./ 640 grams
- Package dimensions: 2½" x 7⅞" x 9⅛"
(54mm x 200mm x 232mm)

Certifications



Package Contents



Headset



Charging cradle



Silicone ear hooks
in 3 sizes



Silicone ear buds
in varying sizes



2 pairs of wind
protection covers



Micro USB
charging cable



Durable
travel pouch



Quick Start
Guide