Mino is a personal speech amplifier that helps you hear better in most everyday situations, whether you wear a hearing aid or just suffer the occasional hearing difficulty.

**Digital signal processing.** Mino uses digital state-of-the-art signal processing to bring out speech in difficult listening situations. Mino delivers crystal-clear sound, free from background noise and feedback.

**Pocket size and super light.** Mino is as small as a modern cellphone and can be kept discreetly in your pocket without weighing you down.

**Easy to use.** Mino is intuitive to use. All functions are accessed with the simple press of a button and there are no complicated menus to navigate.

**Long lasting power.** Mino uses a rechargeable lithium-ion battery, just like a modern cellphone.

**Directional microphone.** Mino is equipped with an omni-directional and a directional microphone. With the directional microphone, you can ‘point’ to the person talking, reducing unwanted background noise.

**Built in Telecoil.** Mino is equipped with a Telecoil. The Telecoil picks up sound in venues fitted with hearing loop systems, such as theaters, churches, and concert halls.

**Flexible.** Connect Mino to the TV, radio, MP3 player or computer and you can enjoy great sound in stereo at the volume of your choice while sparing your family’s ears.

**Great with hearing aids.** Mino clarifies speech and filters out disturbing background noise before it reaches the hearing aid or cochlear implant. This means you don’t have to make so much of an effort to hear.

**Features**

1. **Digital signal processing**  
   Clear and noise-free sound

2. **Small and light**  
   Fits discreetly in your pocket

3. **Directional microphone**  
   Clarifies speech even further

4. **Telecoil**  
   Works with loop systems

5. **Flexible**  
   Connects to the TV or radio
Technical specifications

**Size and weight**

- **Height:** 3.9 inches (99 mm)
- **Width:** 1.9 inches (48 mm)
- **Depth:** 0.9 inches (22 mm)
- **Weight:** 2.5 ounces (74 grams)

**In the box**

The package includes everything you normally need in order to use your Mino.

- BE2030 Personal amplifier
- USB universal charger
- Mains plug
- Charger cable
- Neck strap with safety clasp
- User manual
- Quick guide
- Listening accessory
  (Varies with package)

**Buttons and controls**

- Tone
- Volume selector
- Internal mic. selector
- LED indicator
- On/Off
- Microphones
- Line in
- Telecoil selector
- Volume/Tone indicator
- Charger input

**Power and battery**

- Built in rechargeable lithium-ion battery
- Operating time: up to 29 hours
  (With included light weight battery)
- Charging time: 4 hours
  (With included light weight battery)

**Input signals**

- Microphone: Built in omnidirectional and directional microphone
- Telecoil pickup for inductive loop systems
- External sound source input: 2.5 mm stereo jack plug (0 dBV max input signal)

**Output signals**

- Headphone socket: 3.5 mm stereo jack plug
- Distortion: 0.05% THD (electrical)
- Frequency range: 40 – 10 kHz
- Tone control: 9 steps
- Volume control: 9 steps
- Output power: 100 mW (16 Ω load)

**Acoustic specifications**

- Maximum output using BE9124 earphones
  132 dB SPL
- Gain at full volume using BE9124 earphones
  (60 dB SPL input signal):
  57,5 dB @ 1kHz  56 dB HFA
- Distortion
  Using BE9124  0,08 % THD
  Using BE9122  0,6 % THD

**Regulatory requirements**

- Complies with the following requirements:
  WEEE, Der grüne punkt, CE, FCC, RCM , RoHS

**Environmental requirements**

- Operating temperature: 32° to 95° F
  (0° to 35° C)
- Relative humidity: 5% to 95%
  (non condensing)

**Accessories**

The following accessories are available:

- BE9122 Stereo headphones
- BE9124 Stereo in-ear earphones
- BE9125 Stetoclips
- BE9127 Tie-clip microphone
- BE9129 MicroSet™
- BE9137 Cable kit, 16 feet, 5 m (stereo) incl.
  adapter from 3.5 mm stereo tele jack
to RCA (phono)
- BE9143 USB car charger
- BE9147 Travel case in durable canvas
- BE9159 Neck loop
In-depth technical information

Features

- Output using BE9124 Earphones
- Advanced settings
  - Intuitive user interface
  - Telecoil pickup for inductive loops
  - Polished stainless steel belt clip included
  - BE9135 Neck strap with safety clasp included
  - Universal charger with included mains plug
- Built-in rechargeable lithium-ion battery
- Requires no individual fitting
- High gloss finish to minimize handling sound
- Auto mute when switching between signal sources
- Adaptive feedback manager
- 10 channel dynamic range compressor
- 10 channel dynamic noise suppression
- 10 channel adaptive noise reduction
- 10 channel adaptive phase-invert feedback cancellation
- Digital Signal Processing, DSP
- 22 050 kHz sampling frequency
- 0.08 % THD
- 0.6 % THD
- 0.05 % THD
- 51.5 dB
- 0 dBV (maximum input level)
- 42.5 dB
- 52.0 dB
- 133.7 dB SPL (@ 1 kHz)
- 132.0 dB SPL (@ 5 kHz)
- 124.3 dB SPL (@ 2.5 kHz)
- 58.2 dB B (HFA, 60 dB SPL input signal)
- 55.0 dB (1 kHz, 60 dB SPL input signal)
- 46.5 dB
- 58.2 dB B (1 kHz, 60 dB SPL input signal)
- 42.5 dB
- 55.0 dB (1 kHz, 60 dB SPL input signal)
- 46.5 dB
- 58.2 dB B (1 kHz, 60 dB SPL input signal)
- 55.0 dB (1 kHz, 60 dB SPL input signal)
- 0 dBV (maximum input level)

Technical specifications

- Dimensions: 99 mm (h) x 48 mm (b) x 22 mm (d)
- Weight: 2.5 ounces (74 grams)
- Battery: Built-in rechargeable lithium-ion, 617 mAh
- Operating time: Up to 29 hours (fully charged)
- Charging time: 4 hours (max)
- Ext. Mic./Aux. in connector: 2.5 mm stereo tele jack
- Headphones connector: 3.5 mm stereo tele jack
- Ext. Mic./Aux. in connector: 2.5 mm stereo tele jack
- Volume control: 9 steps (5 dB/step)
- Tone control: 9 steps
- Power switch: On/Off toggle button
- Mic and T mode: Separate mode select buttons
- External microphone / Aux in selects automatically when plugged in
- Dynamic Compressor
  - Dynamic gain range: 0-35 dB
  - Compression: 3:1
  - Expansion: 1:1.5
  - Attack time: 20 (25) ms (≥3 kHz)
  - Release time: 110 (200) ms (>3 kHz)
- Dynamic noise reduction
- 10 channel adaptive noise reduction
- Feedback cancellation
- Adaptive phase-invert feedback cancellation
- Digital signal processing
  - 22 050 kHz sampling frequency
  - 16 bit resolution in stereo
- Line in sensitivity
  - 0.6 % THD
  - 0.05 % THD
  - 0.08 % THD

Acoustic specifications

- Maximum output saturation
  - Using BE9122 Headphones: 124.3 dB SPL (@ 2.5 kHz)
  - Using BE9124 Earphones: 132.0 dB SPL (@ 5 kHz)
  - Using BE9125 Stetoclips: 133.7 dB SPL (@ 1 kHz)
- Gain, full volume
  - (1 kHz, 60 dB SPL input signal)
  - Using BE9122 Headphones: 42.5 dB
  - Using BE9124 Earphones: 55.0 dB
  - Using BE9125 Stetoclips: 58.2 dB B
- Gain, full volume
  - (HFA, 60 dB SPL input signal)
  - Using BE9122 Headphones: 46.5 dB
  - Using BE9124 Earphones: 51.5 dB
  - Using BE9125 Stetoclips: 52.0 dB
- Distortion
  - Using BE9122 Headphones: 0.6 % THD
  - Using BE9124 Earphones: 0.08 % THD

Electrical specifications

- Output power tele-jack: 100 mW w. 16 Ω last
- Distortion: 0.05 % THD
- Dynamic range: 90 dB
- Frequency range: 40 – 10 kHz
- Tone control
  - Break point at 1.6 kHz
  - Tone, high: +10 dB@3.15 kHz, -6 dB@250 Hz
  - Tone, mid: flat
  - Tone, low: -10 dB@3.15 kHz, No bass boost
- Line in sensitivity
  - 0 dBV (maximum input level)

Advanced settings

- Balance control
  - Compensates for example for hearing loss in one ear. 5 dB / step.
- Basic attenuation
  - Trims the attenuation to a specific hearing accessory in 3 dB steps.
- Stereo/Mono
  - Only effects the line-in signal. Mono is used for neck loop and stetoclips.
- Bass reduction
  - Reduces low frequency interference from fans, road-noise etc.

Tone control blocking

- Makes it easier for some end users to handle Mino.
- Select preset tone. Used together with Tone control blocking.
- Enables Tone control blocking.
- Reset to factory settings

Tone control preset

- Select preset tone. Used together with Tone control blocking.
- Enables Tone control blocking.
- Reset to factory settings

Reset to factory settings

- Resets all settings to the default factory settings.