MED⬤EL

SONNET 2 Audio Processor
Made for Most Natural Hearing

SONNET 2

Cochlear Implant Audio Processor

Most Natural Sound Quality
Delivers a sound quality no other cochlear implant audio processor can match.

Automatic Adaptation
ASM 3.0 instantly adapts for hands-free control and outstanding performance, especially in challenging environments.

Flexible Power Options
Up to 4 days on 2 zinc-air batteries or go with lightweight rechargeable options.

Superior Child Safety
Ideal choice for children with tamperproof design, link-check LED, and locking coil connections.

AudioStream
The AudioStream cover allows direct wireless streaming in true stereo from smartphones and tablets with *Bluetooth®* Low Energy.
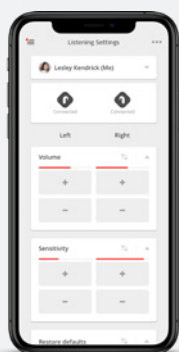- Stream music
- Wireless phone calls
- Ideal for bilateral users

AudioLink

Stream audio wirelessly with the AudioLink all-in-one connectivity accessory.
- Bluetooth streaming
- Direct audio input
- Remote microphone

AudioKey 2

Control listening settings, check usage statistics, and manage multiple users. Parents can use the app to easily keep track of their child's hearing.
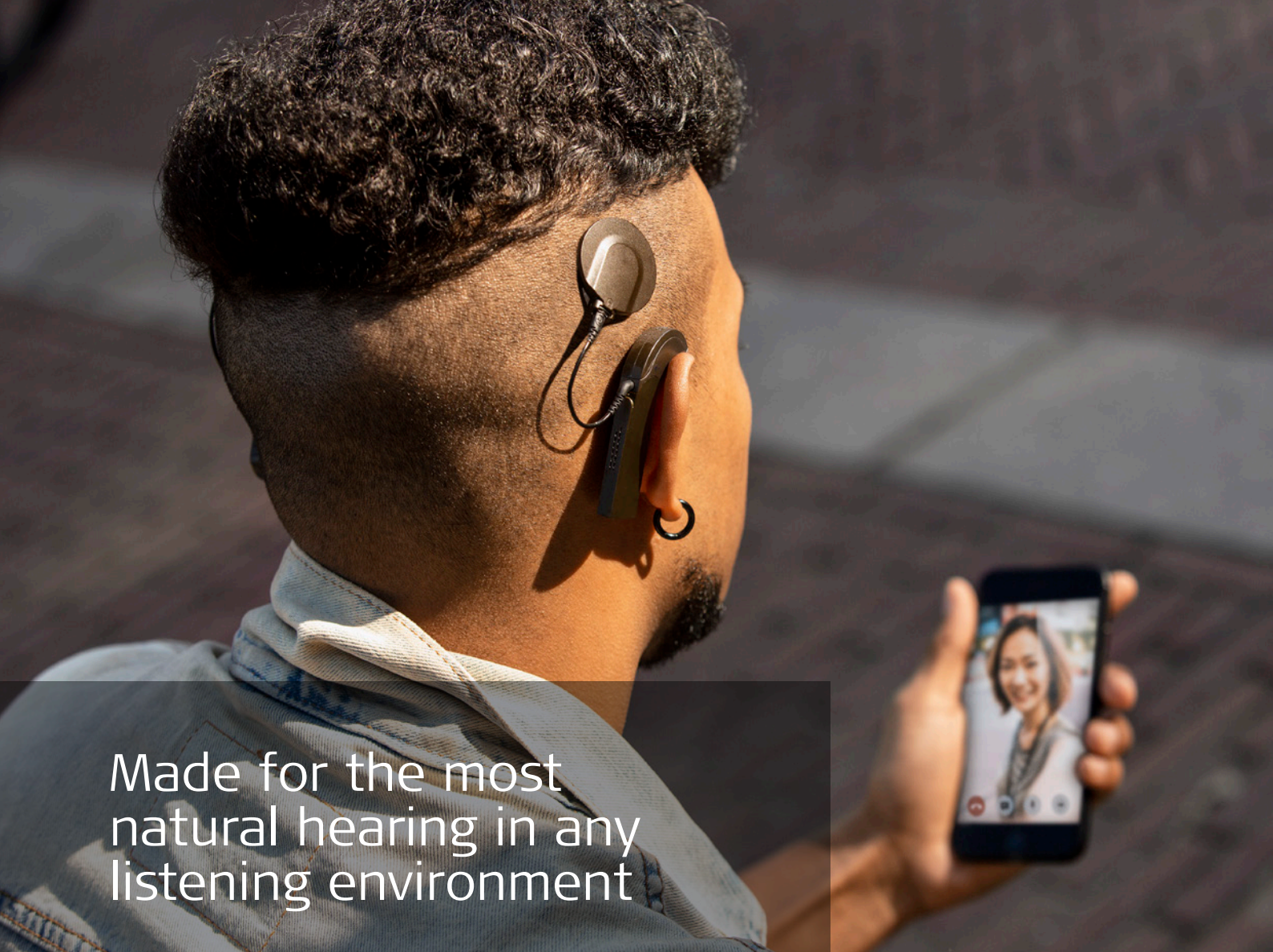- Remote control functionality
- Find lost processors
- Guardian roles
- Send feedback

FineTuner Echo

This compact remote control with bi-directional communication can be used as an alternative to the AudioKey 2 app.
- ePaper display
- Test audio processor microphones
- Bilateral support

Made for the most natural hearing in any listening environment

Made for Effortless Listening

SONNET 2 is made for optimal hearing performance. It provides for a unique enjoyment of music and seamless automatic adaptation to changing listening environments.

Microphone Directionality
Reduces noise from behind and focuses on sounds to the front for significantly better hearing in noise.

Noise Reduction
SONNET 2 minimizes wind noise, continuous ambient noise, and even transient noises.

Automatic Adaptation
Seamlessly adapts to changing listening environments to provide for effortless hearing anywhere.

Exact Bimodal Synchronization
With the latest MAESTRO System Software, you can precisely match the delay in processing between SONNET 2 and any hearing aid.

Made for Water
Rain or shine, the water-resistant SONNET 2 offers optimal hearing in any listening environment. The WaterWear cover provides a completely waterproof wearing option.

Made for Style
Thousands of color options and exchangeable design covers make it easy to match any style.
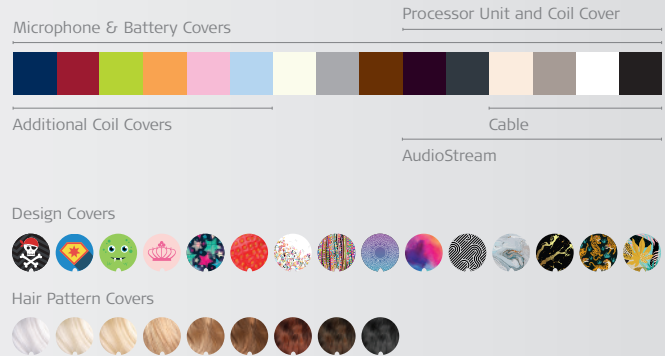
Technical Data

SONNET 2 Audio Processor (Me1510)
SONNET 2 EAS Audio Processor (Me1520)

Actual Size

37.4 mm

5.9 mm

51.4 mm SONNET 2 with Battery Pack Cover Micro
56.7 mm SONNET 2 with Battery Pack Cover Standard

9.3 mm

SONNET 2 Color Options

- 6 base colors for control unit and AudioStream
- 4 color options for coil cable
- 15 color options for microphone cover (glossy) and battery pack cover
- 12 color options and 24 design covers available for DL-Coil

Microphone & Battery Covers

Processor Unit and Coil Cover

Additional Coil Covers

Cable

AudioStream

Design Covers

Hair Pattern Covers

Dimensions and Weight
- 6.1 g (with ActiveWear)
- 10.6 g (Me1510 with two 675 zinc-air batteries)
- 11.0 g (Me1520 with two 675 zinc-air batteries)
- DL-Coil: 4.6 g, 32.8 mm x 5.8 mm
- DL-Coil: 5 magnets available in 9 strengths
- Durable coil cables available in 3 lengths: 6.5 cm (2.6 in), 9 cm (3.5 in), 28 cm (11.0 in)

Material
- Processor & Coil: Mixture of polycarbonate and acrylonitrile-butadiene-styrol polymer
- Earhook: Polyamide (PA)
- Cable: PVC and TPE Evoprene
- Biocompatible according to ISO 10993-1
- Latex-free*

Compatibility
- Compatible with all MED-EL multichannel cochlear implants
- MAX Programming Interface
- MAESTRO System Software 8.0 or later
- Compatible with hearing aids of all brands and types
- Exact bimodal synchronization with any hearing aid: Signal can be delayed up to 10 ms with the latest MAESTRO Software

Product Features
- Frequency Range 70–9300 Hz
- Water-resistant according to IP54 standard
- Dual microphones
- Extended Datalogging
- Automatic Sound Management 3.0

- Tamperproof design
  - Secured earhook
  - Locking battery pack
  - Choking hazard avoidance
  - Additional fixation options
  - Locking coil cable (locked to coil and control unit)
- Link-check function with LED indicator
- Four program positions
- Continuous volume and sensitivity control with FineTuner Echo or AudioKey 2
- Supports Electric-Acoustic Stimulation (EAS)

Sound Processing Features

Front-End Processing
- Microphone Directionality (Omni, Natural, Adaptive)
- Automatic Volume Control with Dual-Loop AGC
- Wind Noise Reduction
- Ambient Noise Reduction
- Transient Noise Reduction
- Input Dynamic Range (IDR) of 78 dB (28-106 dB SPL)

Sound Coding Strategies
- FS4 (Fine Structure Processing up to 1 kHz on 4 apical channels)
- FS4-p (Fine Structure Processing up to 1 kHz on 4 apical channels with intelligent parallel stimulation for even higher temporal accuracy)
- FSP (Fine Structure Processing typically up to 350 Hz on 2 apical channels)
- HD-CIS (High Definition CIS)
- Biphasic or triphasic stimulation pulses
- Supports 250 spectral bands

Connectivity

Technology
- 2.4 GHz wireless communication
- Direct wireless audio streaming via Bluetooth Low Energy with AudioStream
- True stereo sound quality
- Support for bilateral usage
- Integrated telecoil
- Bimodal streaming possible with several brands of hearing aids

Accessories

AudioLink
- Dimensions: 68 x 38 x 17.5 mm
- Weight: 35 g
- Remote Microphone
- Hands-free phone calls
- TV streaming
- Music streaming
- Direct audio input (DAI)

AudioKey 2 app
- Remote control functionality
- Guardian Roles
- Extended Datalogging
- Find My Processor
- Send Feedback

FineTuner Echo
- Dimensions: 104 x 38 x 11 mm
- Weight: 32 g (including battery)
- Compact remote control with bi-directional communication
- ePaper Display
- Test audio processor microphones
- SONNET 2 battery status

WaterWear cover
- Waterproof up to 4 m depth
- Can be used in salt, fresh and chlorinated water

Battery Options

Zinc-Air Batteries
- Up to 60 hours of use with a set of 2 disposable zinc-air 675 batteries

Rechargeable Battery Standard
- Dimensions: 22 x 14 x 7 mm
- Processor weight with battery: 9.1 g
- Usage time: Up to 10 hours
- Charging duration: ~4 hours
- Charging/discharging: >5000 cycles** (80% capacity)

Rechargeable Battery Micro
- Dimensions: 16 x 14 x 7 mm
- Processor weight with battery: 8.1 g
- Usage time: Up to 7 hours
- Charging duration: ~3 hours
- Charging/discharging: >5000 cycles** (80% capacity)

Charging Unit
- 4 simultaneous charging slots
- Power & charging indicator lights
- USB powered: 5V DC, 500 mA
- USB power adapter: 100–240V AC (~50/60 Hz)

Please find detailed information and specific conditions for use for each product in the respective instructions for use.
All functions and features may not be available in all markets. Enabling features on the hardware may be subject to technical considerations.
* Whereby "free" means "not made with latex" according to current FDA guidance: "Recommendations for Labeling Medical Products to Inform Users that the Product or Product Container is not Made with Natural Rubber Latex", 2014.
** Charging Cycles dependent on individual usage.

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