



Why miss a decibel  
of “Good morning”  
from home?

## Siemens miniTek™

Guide to features, benefits, and fitting.  
[www.usa.siemens.com/minitek](http://www.usa.siemens.com/minitek)

Answers for life.

**SIEMENS**

# one touch.

Endless possibilities.



The new multi-media world of digital media is full of fascinating possibilities that wearers don't want to miss. Regardless of their age, your customers want to stay connected to all the devices that are just part of modern life.

Siemens miniTek™ is made just for them. As an ideal complement to Siemens hearing instruments, it allows them to make the most of these opportunities with one device. It offers maximum flexibility combined with simple operation based on the most modern technology and attractive design. And it all happens at the push of a button.

The future is here.



## Siemens miniTek



# The Beauty of one touch.



**Both inside and out, miniTek is designed to impress the most discerning tech enthusiast.**

Small, yet incredibly sophisticated. Perfectly suited to today's high-tech gadgets, elegant, ergonomic miniTek feels natural from the first touch. Less than 2 ounces, much lighter than a cell phone, this miniature device sits discreetly and comfortably in the hand.

#### **Energy saving batteries.**

miniTek sets new standards in efficiency. It offers more functionality without affecting the extremely long battery life of Siemens hearing instruments. Even when linked to 2 external devices simultaneously, for example the TV and phone, the hearing instruments' power consumption remains the same.

The rechargeable battery is fully charged in just 3 hours and runs up to 5 hours for streaming or several days as a remote control.

#### **Naturally brilliant sound.**

Most Siemens hearing instruments compatible with miniTek are equipped with SoundBrilliance™, a feature that makes listening to TV and music richer, fuller, and more natural sounding than ever before.



miniTek pouch

miniTek lanyard

miniTek clip

For optimal transmission, miniTek should be positioned within 2 feet of the hearing instruments. It can be worn on the clothing with a clip, or around the neck using the lanyard above.

# In sync and in stereo with one touch.

miniTek is the ultimate all-in-one wireless accessory. It is a streamer, which means it sends sound from audio devices wirelessly to both hearing instruments. It's also a remote control, *Bluetooth*® compatible, a multipoint system, and much more.

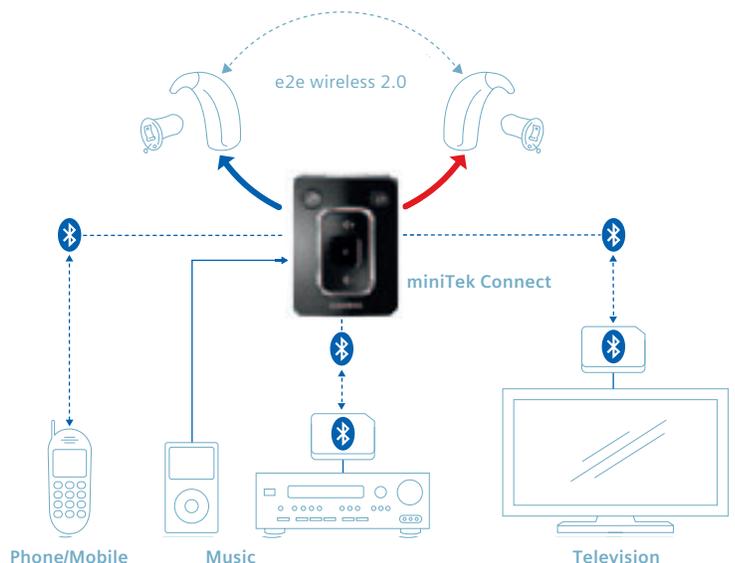
## It's a new way of life.

The new miniTek ensures wearers are always connected to their favorite audio devices. It keeps them in touch with the people in their lives. And it helps them overcome difficult hearing situations – all in one small, ultramodern device. miniTek provides the unique combination of streamer and remote control functionalities. Thus wearers can easily connect to a variety of *Bluetooth* wireless technology enabled devices like cell phones, MP3 players, and laptops.

As a multipoint system, it links to 2 phones simultaneously and is instinctively activated when either one rings. miniTek works with all Siemens wireless hearing instruments, even CICs.

Seamlessly from ear to ear.

At the heart of miniTek's peerless performance is Siemens e2e wireless® 2.0, which allows wearers to enjoy wireless transmission from their favorite devices in true stereo. e2e wireless 2.0 uses remarkably sophisticated technology for crisp and clear transmission, with low battery consumption.



Intelligent and intuitive, miniTek automatically links wearers to their landline and mobile phones, MP3 players, televisions, and other audio sources with just one touch.

# It all starts with one touch.

miniTek is a combined streamer and remote control that connects wearers to multiple audio devices simultaneously.



**2 transmitters** can be linked to miniTek at once, allowing wearers multiple connections to TVs and stereos.



**Bluetooth wireless technology enabled cell phones** link automatically to miniTek.



**3<sup>rd</sup> party Bluetooth transmitters**, such as MP3 players and laptops can stream seamlessly to miniTek.



All **Siemens hearing instruments** equipped with e2e wireless 2.0 (Pure<sup>®</sup>, Siemens Life<sup>™</sup>, Motion<sup>®</sup>, Nitro<sup>®</sup> and Siemens Explorer<sup>®</sup>) are compatible with miniTek. Sound is received simultaneously in both ears in stereo.





TVs and stereos link to miniTek via the transmitters.



Bluetooth wireless technology enabled landline phones are compatible with miniTek. Up to 2 landline and/or cell phones can work at once.



**Integrated Direct Audio Input (DAI)** allows use of an **FM transmitter**, and receiver, providing excellent signal-to-noise ratio for learning in a classroom or at home.



**Telecoil** is built into miniTek, so it can stream from induction loops commonly found in theaters and places of worship – a great advantage if your hearing instruments have no integrated T-coil.

# Classic Tek and miniTek with one touch.

## Different solutions. One goal.

Both miniTek and classic Tek offer state-of-the-art wireless connectivity. Each was created with a different wearer in mind. With its sleek, ultramodern design, and multipoint features, the new miniTek is for those who are up-to-date with the latest digital technology. miniTek lets them get more out of their various devices simultaneously – all at the touch of a button.

## Easy-to-use

Classic Tek also connects people to their entertainment and communication devices. It's tailored to users who connect to one device at a time, and like a visual display and large buttons.



## Overview of miniTek & Tek

| miniTek  | Tek   |
|--|---|
| 2 <sup>nd</sup> generation Tek remote control and streamer with a ultra-small, high-end design that weighs 2 oz. and is about the size of a matchbox   | Remote control and streamer that provides a clear visual display of battery status, volume, selected programs, and SoundBalance                                   |
| One button operation for program selection and volume control  | Large, numbered push buttons for direct selection of programs   |
| Audio streaming range of 2 feet  | Audio streaming range of 3 feet   |
| Battery life of up to 5 hours streaming  | Battery life of approx. 6 hours streaming   |
| Links wearers to up to a total of 7 audio sources, including connection to: 2 Bluetooth® wireless technology enabled devices (mobile/line phones and laptop), 2 Bluetooth transmitters simultaneously (TVs and/or stereo), DAI (Direct Audio Input) plug for FM receivers, Telecoil, and a Line-in option (MP3 player) | Connects wearers to up to a total of 3 devices, including: Bluetooth® transmitter (TV), Bluetooth® enabled device (cell phone), and a Line-in option (MP3 player) |
| Multipoint: works with 2 phones at once  | –   |
| –  | Displays status information on the screen, such as battery life and selected program  |
| Offers additional connectivity to 3rd party Bluetooth wireless technology, transmitters, DAI plug for FM receivers, plus T-Coil  | –   |
| –  | Equipped with SoundBalance (treble control) so wearers can input their individual tone preferences  |
| Upgradable firmware  | –   |

# How to activate miniTek.

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## Step 1 – Start CONNEXX®

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In stand-alone mode, doubleclick the CONNEXX® icon to start CONNEXX fitting software. Under the NOAH™ module selection dialog, the Siemens icon provides access to CONNEXX.



CONNEXX6

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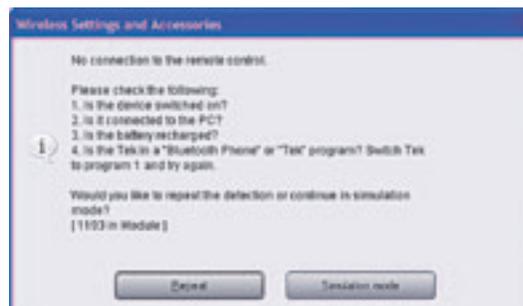
## Step 2 – Connect miniTek

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Prior to fitting the connected hearing instruments together with miniTek in CONNEXX, attach miniTek to the PC via USB.

Note: When removing miniTek from the cable, wait at least 2 seconds before reconnecting it to the PC.

If a hearing instrument fitting is simulated in CONNEXX, select "Simulation mode" for miniTek.



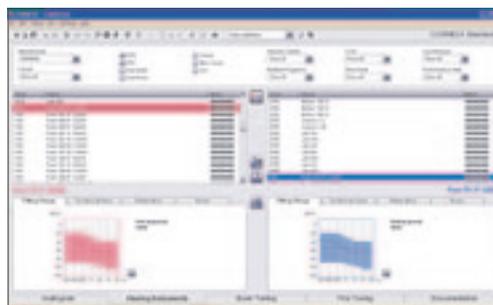
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## Step 3 – Select a hearing instrument

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Open the Hearing Instrument selection page in CONNEXX. It is possible to automatically detect and read out a connected hearing instrument or to manually select and simulate a hearing instrument.



If a hearing instrument is selected, Fitting Preview will show the appropriate fitting range of the respective instrument with the patient's individual audiogram if available.



Clicking “detect connected instruments” will read out any connected instrument and automatically display the model and serial number.



## Step 4 – First Fit

 To conduct a First Fit™ in CONNEXX, a valid Audiogram must be available for the current client from the Unity or Noah database.

When initiating First Fit, the Wireless Settings and Accessories dialog will be shown first.

Check  miniTek (active) to use a connected miniTek remote control with the selected hearing instruments. The serial number of the attached device can be read out in CONNEXX:

**Serial Number**

**Serial Number**

Second Tek Transmitter

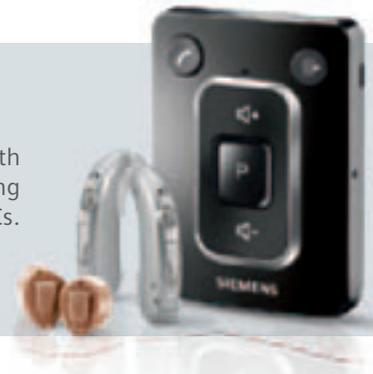
Bluetooth Address



00000-000-000000



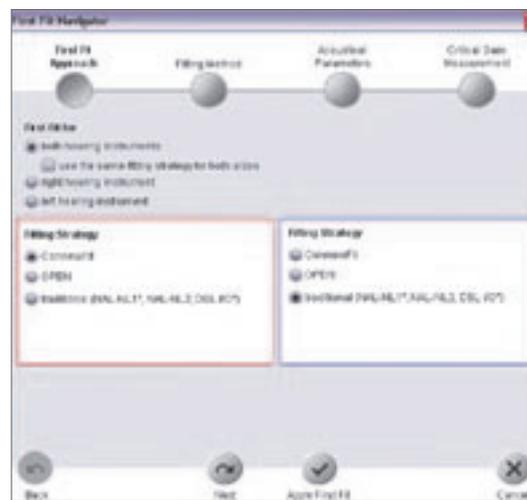
miniTek is compatible with all Siemens wireless hearing instruments. Even CICs.



Next

The First Fit Navigator guides you through the First Fit process.

After having selected the desired First Fit Approach, proceed through the First Fit Navigator by clicking the “Next” button.



Apply First Fit

After having completed the First Fit process, simply click “Apply First Fit” to confirm.



Close

At the end of First Fit, a confirmation dialog will show all selections you have made.

After First Fit, the “Basic Tuning” screen is displayed.



Additionally, the user also has the option to designate a second Transmitter to be paired. If so, the fitter has the option to insert the *Bluetooth* address for the second Transmitter, which can be found on the housing as displayed on the right:

 The Wireless dialog can also be selected during any follow up fitting by clicking the Wireless Settings and Accessories button.



When the mouse is held over the green  icon, additional information is given about this feature.



Siemens miniTek is quick and easy to activate.

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## Step 5 – miniTek Input modes

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If miniTek has been selected, the following additional Input modes are available:

Tek/miniTek, Bluetooth Phone,  
miniTek FM and miniTek Telecoil

In the “Microphone/Bluetooth” tab under “Fine Tuning”, the desired Input modes can be selected and configured as follows on the next few pages.



## miniTek Input modes – Tek/miniTek

The Input mode **Tek/miniTek** configures the selected listening program for use with miniTek. In this setting, miniTek enabled hearing instruments can receive wireless signals from the following devices:

**miniTek** via direct cable connection

**Tek Transmitter 1 –**

**Tek Transmitter 2 –**

**3rd party Bluetooth transmitter**

Two input configuration modes can be selected for signals received from the miniTek:

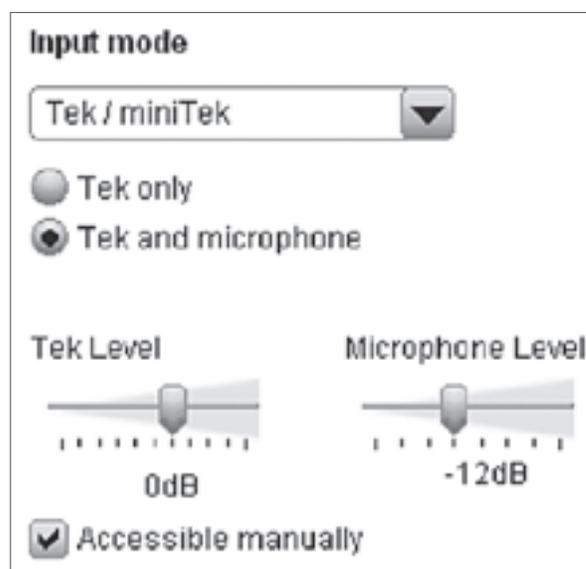
- **“Tek only”**: indicates that the hearing instrument microphone will be deactivated and that only miniTek will provide input
- **“Tek and microphone”**: indicates that both the hearing instrument microphone and miniTek will provide input signals to the hearing instrument

The **“Tek Level”** slider allows adjustment of the miniTek signal relative to the master gain. The max setting is equal to that of the master gain.

**“Microphone Level”** is only accessible when both miniTek and microphone options are selected. Like the miniTek level, this control also allows reduction of the microphone level relative to the master gain. The combination of these two controls provides full flexibility in providing a comfortable balance of sound. By default, the slider control for the miniTek

signal is set to “max”. In mixed mode (Tek and microphone), the microphone signal is reduced by -12 dB after First Fit.

**“Accessible manually”** allows the wearer to access the program via push button or remote control. By default, this option is deactivated.



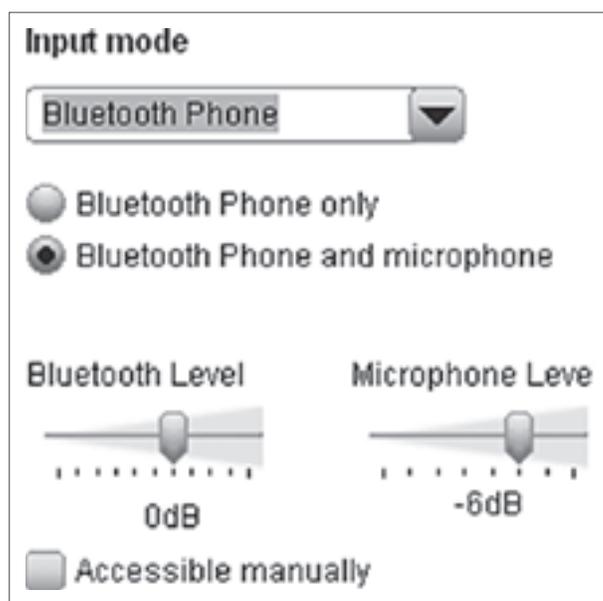
**Note:** When using miniTek, any miniTek enabled Input mode (Tek, Bluetooth Phone, miniTek FM and miniTek Telecoil) should only be activated in only ONE program (i.e. if miniTek FM is designated for use in program 3, it should not be used again in any other program. If more than one program uses the same Input mode, only the first of these programs are accessible).

## miniTek Input modes – Bluetooth Phone

The **Bluetooth Phone** Input mode allows miniTek to receive a Bluetooth signal from a Bluetooth enabled cellphone or any other Bluetooth enabled phone. The incoming signal can be sent to one or both hearing instruments for optimal sound quality on the telephone. Two input configuration modes are available:

- **“Bluetooth Phone only”**: indicates that the hearing instrument microphone will be deactivated and that only the signal from the Bluetooth enabled phone sent via the miniTek will provide input.
- **“Bluetooth Phone and microphone”**: indicates that both the hearing instrument microphone and the *Bluetooth* enabled phone via the miniTek will provide input signals to the hearing instrument. By default, the microphone level in mixed mode is reduced by  $-6$  dB.

**“Accessible manually”** allows the wearer to access the program via push button or remote control. By default, this option is deactivated.

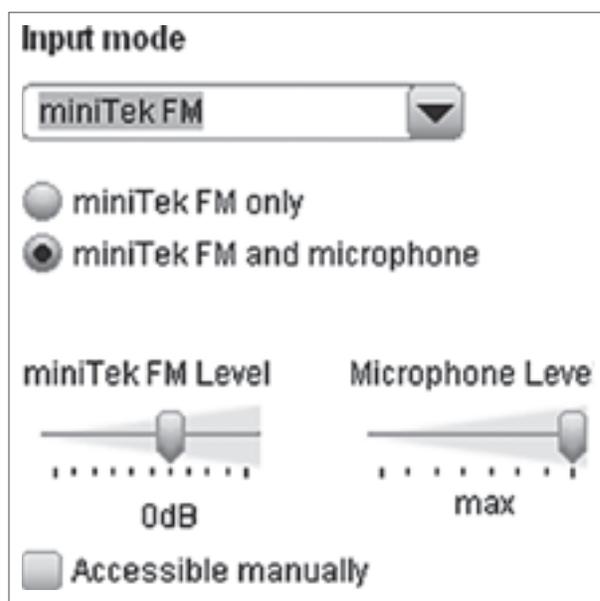


## miniTek Input modes – miniTek FM

By using Direct Audio Input, an FM receiver can be connected to miniTek, to receive signals from an FM system. Two input configurations can be selected:

- **“miniTek FM only”**: indicates that the hearing instrument microphone will be deactivated and that only FM signals sent via the miniTek will provide input. In this case, the miniTek FM volume level can be adjusted.
- **“miniTek FM and microphone”**: indicates that the hearing instrument microphone and FM systems will both provide input signals to the hearing instrument; both signal volumes can be adjusted independently. By default, the microphone level in mixed mode is reduced by  $-12$  dB.

**“Accessible manually”** allows the wearer to access the program via push button or remote control. By default, this option is deactivated.

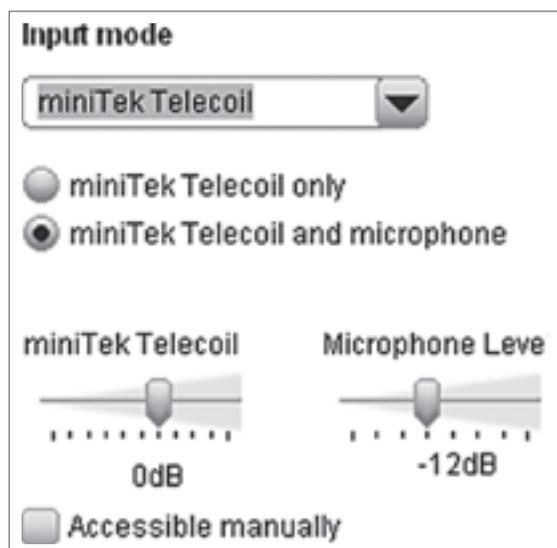


## miniTek Input modes – miniTek Telecoil

miniTek Telecoil is intended for use with induction loop systems (e.g. in theaters or churches). It enables smaller hearing instruments which do not have a telecoil (such as Siemens Life or Pure) to take advantage of induction loop systems.

- **“miniTek Telecoil only”**: indicates that the hearing instrument microphone will be deactivated and that only induction loop signals sent via the miniTek will provide input. In this case, the miniTek Telecoil volume level can be adjusted.
- **“miniTek Telecoil and microphone”**: indicates that both the hearing instrument microphone and induction loop systems via the miniTek will provide input signals to the hearing instrument; both signal volumes can be adjusted independently. By default, the microphone level in mixed mode is reduced by  $-12$  dB.

**“Accessible manually”** allows the wearer to access the program via push button or remote control. By default, this option is deactivated.



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## Step 6 – Pairing miniTek with Bluetooth wireless technology enabled phones

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Pairing with telephones and other *Bluetooth* enabled devices (e.g. MP3 Players, Notebooks, etc.):

1. Press the “Telephone” button for 5 seconds until the integrated LED is blinking to indicate that miniTek is in pairing mode.
2. Activate “Bluetooth” in the desired *Bluetooth* enabled telephone and search for available devices. miniTek will appear as “RCU Connect”.
3. Add miniTek to the list of known devices. miniTek is now ready to receive calls from this telephone. If prompted, the PIN Code “0000” can be entered into the telephone.
4. If desired, up to two different BT enabled phones may be paired for use with miniTek.

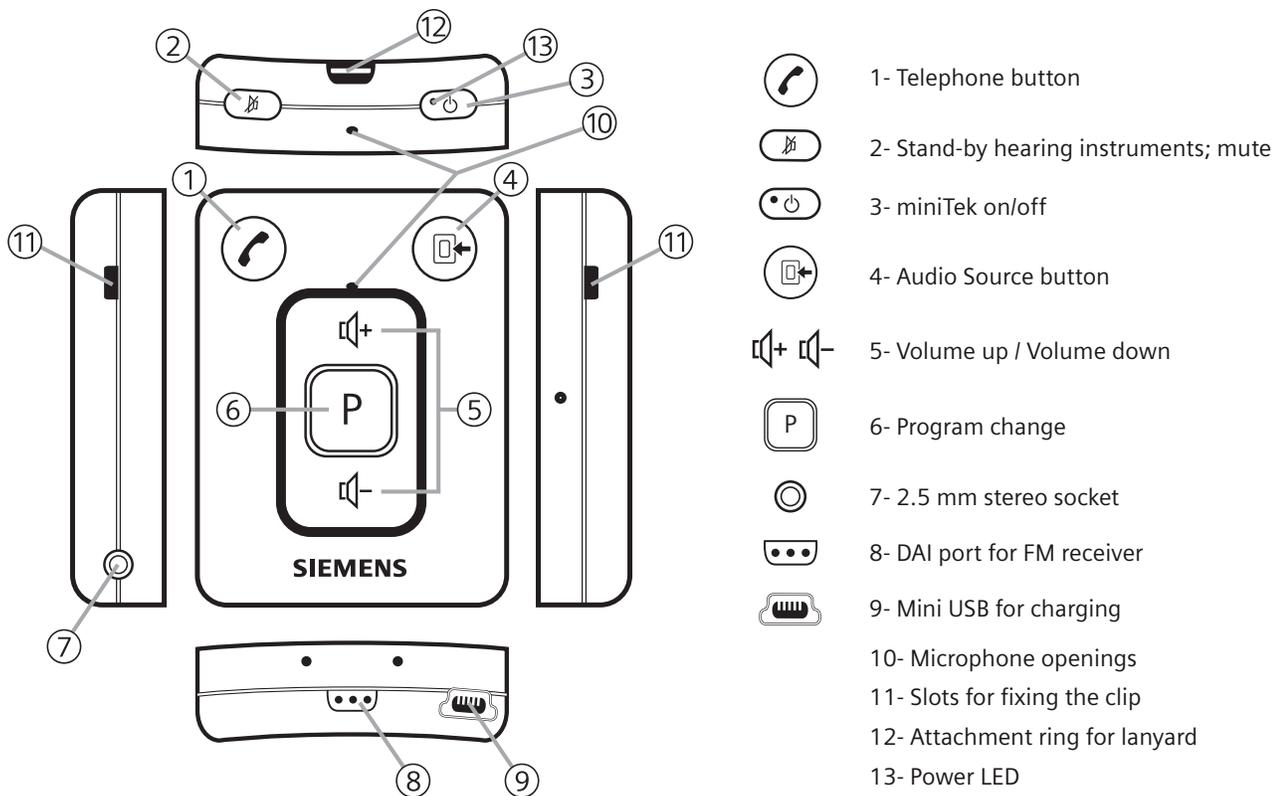
# How to handle programs in miniTek.

When more than one external audio source (e.g. Tek Transmitter etc.) have been designated for use with miniTek, the "Audio Source" button operates as a toggle to switch between the different miniTek Input modes.

Note: The order of available input modes is independent of the program selection in CONNEXX.

The "Audio Source" button will always cycle through the different miniTek Input modes automatically to check for their availability in the following order:

1. miniTek FM
2. miniTek Line-in
3. Tek Transmitter 1
4. Tek Transmitter 2
5. miniTek Telecoil



# miniTek technical data.



## miniTek specifications

|  |   |
|--|---|
| Size   | 61 x 45 x 15.5 mm   |
| Weight   | 1.76 ounces   |
| <b>Operation time</b><br>Audio transmission A2DP (MP3 Player), HSP (Telephone) | 4.5 hours   |
| <b>Duration time</b><br>Audio transmission (Telecoil, DAI, Line-In)            | 5.75 hours  |
| Standby  | 270 hours   |
| Turned off   | 1 year  |
| <b>Operating temperature</b><br>Charge   | 0°C...+45°C   |
| <b>Operating temperature</b><br>Discharge                                      | -20°C...+60°C   |
| Status indication  | Power, Phone and Audio Source LEDs                            |
| USB-connection   | Mini USB-Type B; USB 2.0; Connection for special power supply |
| Audio input signal level   | 1Vpp (max)  |

## Compliance

|      |     |
|------|-----|
| RoHS | yes |
|------|-----|

## Battery specifications

|   |  |
|---|--|
| Non-exchangeable Lilon single cell rechargeable battery |  |
| Nominal voltage   | 3.7 V  |
| Nominal capacity  | 670 mAh at 20 °C   |
| Battery Life cycle                                      | Minimum of 60% of initial capacity after 500 cycles  |
| Charging  | With original power supply the battery is charged with 500mA if in temperature range. If out of temperature range battery will not be charged (security circuit) |
| Charging time   | 3 hours  |



## Transmission data

|  |   |
|--|---|
| Field strength magnetic link                   |   |
| EN300330, short range device                   | -6 dB $\mu$ A/m at 10m  |
| RSS 210, Issue 7                               | 28,5 dB $\mu$ V/m at 30m  |
| Sending frequency                              | 3.28 MHz  |
| Transmission range hearing instruments         | 1 m (Remote Control) 60 cm (Audio Transmission)   |
| Sending power Bluetooth<br>Max. power radiated | 0.2 dBm (EIRP)  |
| Transmission range Bluetooth                   | Up to 10 m (Class 2)  |
| Bluetooth 2.1 profiles                         | Headset profile Hands free profile Advanced Audio Distribution Profile Audio Video Remote Control Profile |

## miniTek / Tek Transmitter specifications

|                       |                   |
|-----------------------|-------------------|
| Size                  | 50 x 33 x 11 mm   |
| Weight                | .7 ounces         |
| Operating temperature | 0°C ...+45°C      |
| Operation time        | 4 hours           |
| Charging time         | less than 3 hours |

# Siemens wireless solutions at a glance.



Siemens has a comprehensive range of stylish wireless devices offering wearers greater control, connectivity and enjoyment of modern technology.

## miniTek™

A combined streamer and remote control that connects wearers to multiple audio devices simultaneously.

## Transmitters

2 transmitters can be linked to miniTek at once, giving wearers multiple connections to TVs and stereos.

## Tek®

A wireless enhancement system which connects wearers to multi-media devices such as phones, MP3 players, and TVs.

## ePen®



reddot design award  
winner 2010

A pen-shaped remote control for discreet adjustment of hearing instruments to individual listening preferences.

## ProPocket™

A standard remote control for convenient management of Siemens hearing instruments.

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Hearing instruments help many people hear better, but no hearing instrument can solve every hearing problem nor restore normal hearing.

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