



# USER INSTRUCTIONS

## **T-DEX**

## ***Table of contents***

---

<b>Package content</b>	<b>2</b>
<b>Functions</b>	<b>3</b>
<b>Setup</b>	<b>4</b>
Wireless setup for mobile telephone	4
Installing neck loop	4
<b>Operation</b>	<b>5</b>
Indicators	5
Charging	5
Adjusting volume	5
Accepting an incoming call	6
Making a mobile telephone call	6
Rejecting an incoming call	6
<b>Warranty</b>	<b>7</b>
<b>Test and approval</b>	<b>8</b>
<b>Warnings</b>	<b>9</b>
<b>FCC</b>	<b>11</b>

## ***Package content***



T-DEX



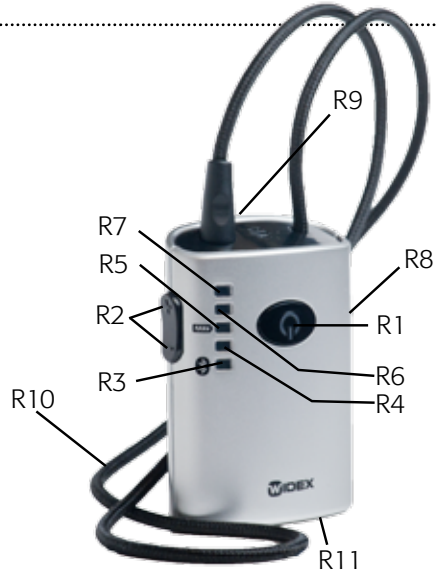
Power supply

Congratulations and thank you for purchasing T-DEX.

T-DEX is a hands-free, neck-loop solution for amplifying sound from your Bluetooth mobile phone. T-DEX has been specially designed for people with impaired hearing who want to use a mobile phone hands-free – and without any compromise in sound quality.

# Functions

- R1:** On/off switch, answering button, and Bluetooth indicator
- R2:** Volume button +/- (up/down)
- R3:** Bluetooth and volume level 1 indicator
- R4:** Volume level 2 indicator
- R5:** Battery and volume level 3 indicator
- R6:** Volume level 4 indicator
- R7:** Volume level 5 indicator
- R8:** Headphones jack
- R9:** Neck loop jack
- R10:** Neck loop
- R11:** Charging jack



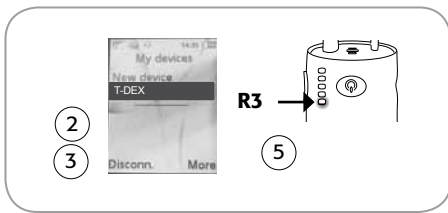
Button/diode/jack	Functions
R1	Power on (hold for up to 5 seconds) Power off (hold for up to 5 seconds) Answering and ending mobile telephone calls Blue light: Bluetooth active Blue blink: Incoming call
R2+ (up)	Volume up
R2- (down)	Volume down Reject mobile telephone call (hold for 2 seconds)
R3	Blue blink: Bluetooth not connected Green light: Volume level 1
R4	Green light: Volume level 2
R5	<p><b>When in use</b></p> <ul style="list-style-type: none"> <li>• Red blink: Low battery</li> <li>• Green light: Volume level 3</li> </ul> <p><b>When charging</b></p> <ul style="list-style-type: none"> <li>• Red light: Charging</li> <li>• Green light: Fully charged</li> </ul>
R6	Green light: Volume level 4
R7	Green light: Volume level 5
R8	Jack for headphones
R9	Jack for neck loop
R10	Neck loop
R11	Jack for charger

## Setup

### Wireless setup for mobile telephone

#### Establishing a wireless connection between the Bluetooth mobile telephone and the T-DEX

1. Turn T-DEX on by holding down the receiver button **R1** for up to five seconds.
2. Enter the mobile telephone menu to allow the mobile telephone to search for available Bluetooth devices.
3. Select the Bluetooth entry "**T-DEX**".
4. Enter the pass code into the mobile telephone (**0000**). Select connect. A short beep will be heard in the hearing aid or in the headphones.
5. Once the wireless connection is established, receiver indicator **R3** stops blinking blue.



#### Please note:

- Once a wireless connection between T-DEX and a Bluetooth unit has been established the units will automatically connect when they are within range of each other.
- During telephone conversations, the receiver indicator **R1** will illuminate blue indicating that the wireless connection is active.

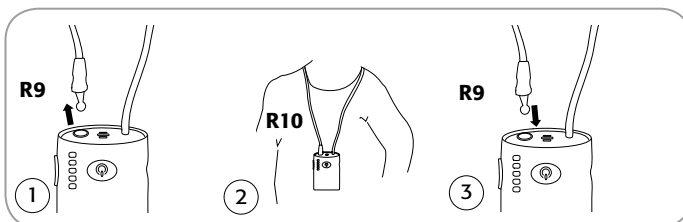
### Installing neck loop

#### Neck loop and T/MT function on HA

In order to use T-DEX with hearing aids in T-position (telecoil), the hearing aid must be equipped with a telecoil fitted by the hearing care professional.

#### Installing neck loop

1. Detach neck loop **R10** from receiver jack **R9** by pulling the loop wire.
2. Place the T-DEX on the chest and place loop wire around the neck.
3. Reattach neck loop **R10** to receiver jack **R9**.
4. Switch hearing aid to T (telecoil only) or MT (microphone and telecoil simultaneously) position.



#### Please note:

- Connecting headphones to the headphones jack **R8** disconnects the signal to the neck loop.

# Operation

## Indicators

Below you can see an overview of the light indicators on T-DEX

Flashing blue (R1):	Incoming call
Blue (R1):	Wireless Bluetooth call activated
Flashing blue (R3):	No Bluetooth connection
Green (R3-R7):	Volume level
Flashing red (R5):	Battery low

## Charging

If the T-DEX light indicator **R5** flashes red during operation, or if the unit cannot be turned on, T-DEX requires recharging.

1. Connect the power supply wire to T-DEX's jack **R11**.
2. Connect the power supply to a power source and turn on.
3. The light indicator **R5** lights continuously red during recharging.
4. When T-DEX is fully recharged, light indicator **R5** lights continuously green.

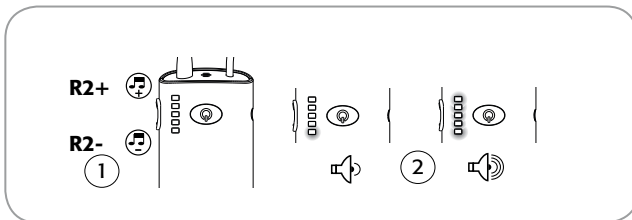


### Please note:

- We recommend fully charging batteries before use, however, partly charging the units does not inflict damage to them.

## Adjusting volume

1. Press receiver button **R2+** (volume up) or **R2-** (volume down) to set comfortable listening level.
2. The receiver indicators **R3** to **R7** illuminate depending on volume level.



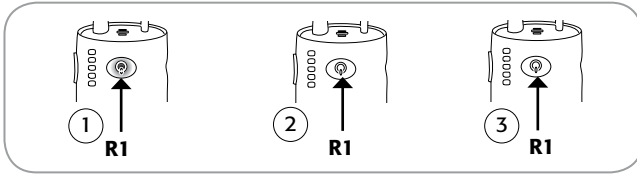
### Please note:

- The maximum volume level has been reached if all five indicators **R3** to **R7** are illuminated. If the signal is still too weak, adjust the volume on your mobile telephone or contact your hearing care professional for adjustment of the telecoil in the hearing aid.

## Operation

### Accepting an incoming call

1. When a call comes in, a ringing tone will be heard in the hearing aid or headphones and the receiver indicator **R1** starts blinking blue.
2. Press the button **R1** to accept the call.
3. Press the button **R1** to end the call.



#### Please note:

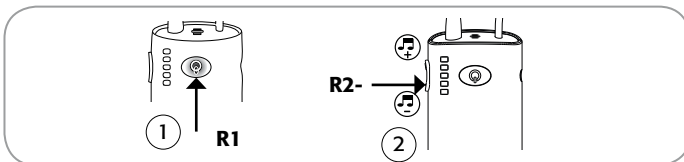
- Only make a single short push to accept or end a call. It may take a couple of seconds before a call is completely connected or disconnected.
- The ringing tone of the mobile telephone call may be the same sound as heard from the mobile telephone itself depending on the mobile telephone used.
- If T-DEX is turned off when a mobile telephone call comes in, that specific call cannot be answered or ended using T-DEX.

### Making a mobile telephone call

1. Turn on T-DEX by pressing the button **R1** for up to five seconds.
2. Enter the dial number on the mobile telephone and pick up the handset.
3. The call is automatically transferred to T-DEX.
4. To end the call, press the button **R1** or end the call on the mobile telephone.

### Rejecting an incoming call

1. When a call comes in, a ringing tone will be heard in the hearing aid or headphones and the receiver indicator **R1** starts blinking blue.
2. Press receiver button **R2-** (volume down) for 2 seconds to reject the call.



# Warranty

---

## **What is covered by this warranty**

Any electronic component which, because of workmanship, manufacturing, or design defects, fails to function properly under normal use during the lifetime of this warranty will be replaced or repaired at no charge for parts or labor when returned to the factory service center. Transportation cost are to be met by the customer. If it is determined that repair is not feasible, the entire unit may be replaced with an equivalent unit upon mutual agreement of the manufacturer and customer.

## **What is not covered by this warranty:**

- 1** Malfunctions resulting from abuse, neglect or accident.
- 2** Peripheral accessories as itemized within the product brochure, when such items are returned after 90 days from the original purchase.
- 3** Batteries.
- 4** Instruments connected, installed, used or adjusted in a manner contrary to instructions provided by the manufacturer.
- 5** Consequential damages and damages resulting from delay or loss of this instrument. The exclusive remedy under this warranty is strictly limited to repair or replacement as herein provided.
- 6** Products damaged in transit unless investigated by the shipper and returned to the warrantor with the investigation report.

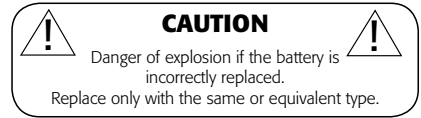
Widex A/S reserves the right to make changes to the design or construction of any of its instruments at any time without incurring any obligation to make any changes whatsoever on units previously purchased. This warranty is in lieu of all other expressed warranties. All expressed and implied warranties will terminate upon the expiration of this written warranty. No representative or person is authorised to represent or assume for us any liability in connection with the sale or use of our products other than as set forth above. The above warranty does not affect any legal rights that you might have under applicable national legislation governing the sale of consumer goods. Your distributor may have issued a warranty that goes beyond the clauses of this limited warranty. Please consult your distributor for further information.

## **What to do if you need service**

If you require service under the terms of this warranty, carefully package the instrument to prevent damage and return it to your hearing healthcare professional. Please provide your receipt, a detailed description of the problem, your full name, billing address and telephone number.

# Test and approval

Phonic Ear A/S, Kongebakken 9, 2765 Smørum, Denmark



Hereby, Phonic Ear A/S declares that this T-DEX is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

A copy of the Declaration of Conformity can be found at <http://www.phonicear.dk/T-DEX>

Electrical and electronic equipment (EEE) contains materials, components and substances that could be dangerous or detrimental to human health and the environment if waste electrical and electronic equipment (WEEE) is not disposed of correctly.

Products marked with the crossed-out rubbish bin shown above are electrical and electronic equipment. The crossed-out dustbin indicates that waste electrical and electronic equipment may not be disposed of with unsorted household waste and that it must be collected separately.

In developing and manufacturing your Widex product, we used high-quality materials and components that can be reused. Thus, when disposing of your waste electrical and electronic equipment, you must use a collection system designated for this purpose, regardless of whether you dispose of your waste at your local civic amenity site or whether your waste is collected from your household. Please contact your local authority for further information. Batteries contain substances that can be harmful to human health and the environment if not handled correctly. Batteries are marked with the crossed-out rubbish bin symbol illustrated. This symbolises that exhausted batteries must not be disposed of together with unsorted household rubbish, but are to be collected separately.

Some batteries are also marked with the chemical symbol Hg (mercury), Cd (cadmium) or Pb (lead). These substances are particularly harmful, so it is important that they are collected and disposed of via an established recycling scheme. This ensures that your batteries are reused in compliance with regulations and do not damage the environment.

Therefore, when disposing of exhausted batteries, make sure that you utilise an established recycling scheme. This might involve delivering them to a designated collection point or recycling center, or they may be collected directly from your address. For further details, please contact your local authorities.

## How to remove batteries

1. Unscrew two screws in the top corners on the rear of unit
2. Open top cover by lifting cover up in the top
3. Remove top cover completely
4. Cut battery away from the printed circuit board
5. Cut wires one at a time

The socket outlet must be installed near to the equipment and must be easily accessible. Only use power supplies listed in the user guide.

The following switch mode power supply can be used with the T-DEX. Manufacture: Fuhua, MODEL No.: UE08WCP-060100SPA, Input: 100-240V AC 400mA 50-60Hz, Output: 6V DC 1.0A



# Warnings

---

You should familiarize yourself fully with the following general warnings and the entire contents of this booklet before using your T-DEX.

## **Misuse can result in sudden and permanent hearing loss.**

T-DEX is not a toy and therefore should be kept out of the reach of children and anyone else e.g. people with learning difficulties who might swallow parts or otherwise cause injury to themselves. Special attention should be paid to the smaller components in order to prevent children from swallowing them and choking. If a part is swallowed, see a doctor immediately.

Always make sure to set the volume controls correctly according to your hearing. By using T-DEX with a sound pressure level that is too high, you may risk impairing your hearing.

Never allow others to wear or use your T-DEX as incorrect/wrongful usage could cause permanent damage to their hearing.

## **Dysfunction in T-DEX**

T-DEX may stop functioning, for instance if the batteries are discharged. You should be aware of this possibility, in particular when you are in traffic or otherwise dependent on warning sounds.

## **Interference**

Your T-DEX has been thoroughly tested for interference according to the most stringent international standards. But new technical developments constantly bring new products into society, and some may emit electromagnetic radiation, leading to unforeseen interference in T-DEX. Examples include induction cooking appliances, shop alarm systems, mobile telephones, fax machines, personal computer devices, X-rays, computer tomography etc.

T-DEX is designed to comply with the most stringent Standards of International Electromagnetic Compatibility. However, T-DEX might cause interference with other medical devices. Such interference can also be caused by radio signals, power line disturbances, airport metal detectors, electromagnetic fields from other medical devices and electrostatic discharges.

## **Possible side effects**

The otherwise non-allergenic materials used in T-DEX may in rare cases cause a skin irritation. Consult a doctor if you experience any side effects.

## **Use on Aircrafts**

The T-DEX should not be used on board on aircrafts unless specifically permitted by the flight personnel.

## **Implantable devices**

T-DEX is designed to comply with the most stringent Standards of International Electromagnetic Compatibility. However, T-DEX might cause interference with other medical devices such as defibrillators and pacemakers. Please, contact the manufacturer of your implantable device for information about the risk of disturbance. Interference can also be caused by power line disturbances, airport metal detectors, electromagnetic fields from other medical devices, radio signals and electrostatic discharges.

Never exposure T-DEX to great heat by putting it in the oven, in the micro wave oven or by burning it. There is a risk that it will explode and cause serious injury.

The safety of the use of T-DEX with auxillary input cable is determined by external signal source. When the input cable is connected to mains-operated equipment, this equipment must comply with IEC-60065, IEC-60601, IEC-60950 or equivalent safety standards.

---

The emission power from the T-DEX is below international emission limits for human exposure. For comparison, the radiation of the T-DEX is equal to that of a Bluetooth headset for a mobile telephone. T-DEX complies with international standards concerning electromagnetic compatibility.

### **Cleaning and maintenance**

Any dirt, moisture or grease should be cleaned of by using a dry or damp cloth. T-DEX must never be washed or immersed in water or other liquids. Make sure not to drop T-DEX onto hard surfaces.

### **Avoid heat, humidity and chemicals**

Your T-DEX must never be exposed to extreme heat e.g. left inside a parked car in the sun. It must never be exposed to a lot of moisture e.g. steam baths, showers or heavy rain. Nor must it be dried in microwave ovens or other ovens. T-DEX must not be exposed to or cleaned with cleaning chemicals or alcohols.

### **Use in cars**

Using the T-DEX with a mobile phone while driving can distract you. If driving conditions demand it, pull off the road and park before making and answering calls.

### **Use of the neck loop**

If by accident the neck strap should get caught in something while wearing it, the neck loop is constructed to open automatically. Therefore, never try to modify the neck loop in an unauthorized way. The neck loop should not be used for children who weigh less than 24 lbs.

**FCC & IC RF Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operation instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC & IC rules and RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

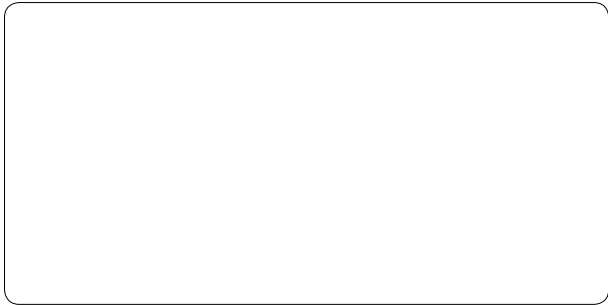
- This device may not cause harmful interference
- This device must accept any interference received, including interference that may cause undesired operation

Changes or modifications not expressly approved by Widex could void the user's authority to operate the equipment.

**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



CIB266/0812



Printed by HTO / 2012-08  
9 514 0204 041 #02