

# Charger

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miniRITE T R



Instructions for Use



## Introduction to this booklet

This booklet guides you on how to use and maintain your new charger. Please read the booklet carefully, including the Warning section. This will help you get the most out of your new charger. If you have additional questions about the charger, please contact your hearing care professional.

## Intended use

### **Intended use**

The charger is intended to recharge the hearing aids that contain rechargeable batteries.

The product is intended to be used together with the given hearing solution.

### **Indications for use**

There are no indications for use (diagnoses) for the Charger itself.

### **Intended user**

Lay persons including children older than 36 months.

### **Use environment**

Home setting.

### **Contraindications**

No contraindications.

### **Clinical benefits**

See clinical benefits of the hearing aid.

#### **Important notice**

Please refer to your hearing aid's instructions for use for details on the functionality of your specific hearing aid solution.

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## Package contents

The box of the charger for miniRITE T R hearing aids contains the following items:



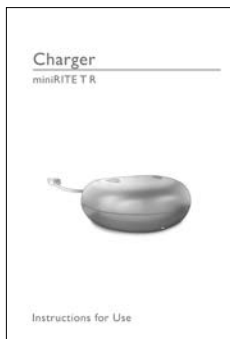
Charger



Power plug

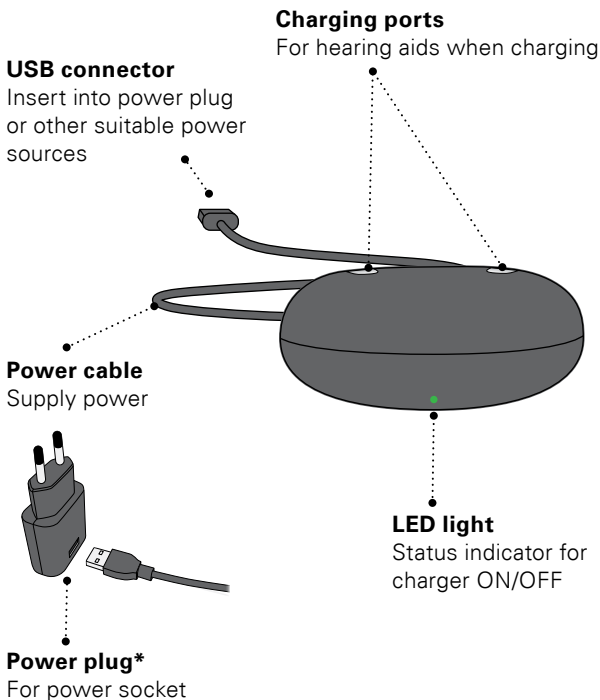


Case for charger



This booklet

# Charger – What it is and does



\* Power plug will vary from country to country



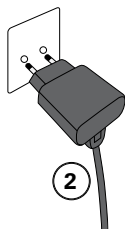
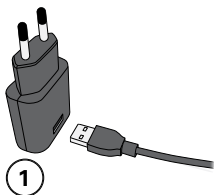
## Temperature conditions

<b>Temperature</b>	<b>Charging condition</b>
Below +5 °C (+41 °F)	No charging due to low temperature
+5 °C to +35 °C (+41 °F to +95 °F)	Best charging condition. Charging will take up to 3 hours.
+35 °C to +40 °C (+95 °F to +104 °F)	Prolonged charging. Charging will take up to 4 hours.
Above +40 °C (+104 °F)	No charging due to high temperature

Charging will automatically resume when the temperature is within the operating range of +5 °C to +40 °C (+41 °F to +104 °F).

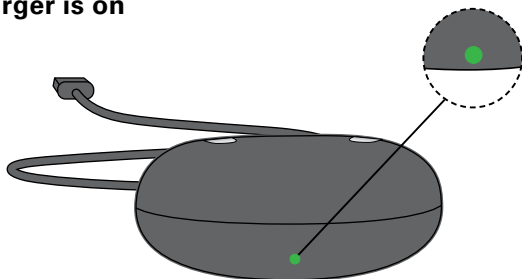
# Preparing the charger

## Connect to power source



1. Insert the USB connector into the power plug.
2. Insert the power plug into a power socket. The charger will turn on automatically.

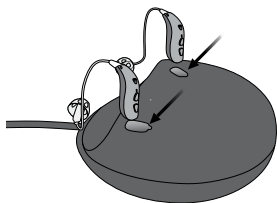
## Charger is on



When the charger is connected to power, the LED will turn green.

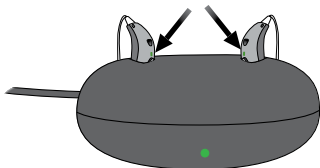
# Charging the hearing aids

## Place hearing aids in charger



Place the hearing aids in the charging ports as shown in the picture.

## Charging



The LEDs on the hearing aids will turn on when the hearing aids are correctly placed in the charger.

### Hearing aid LED charging status:

Red/orange light = Charging  
Green light = Fully charged

### Important notice

When recharging the hearing aid, use the supplied original power supply 5.0 V/1 A, CE and safety marked, for the charger.



## Charging time

Fully charge your hearing aid before first time use.

Charge your hearing aid every night. This ensures that you start your day with a fully charged hearing aid.

Charging time can vary depending on the remaining capacity of the battery. If your hearing aid is completely drained, the normal charging time is:

3 hours = Fully charged

1 hour = 50 % charged

0.5 hours = 25 % charged

The charging process will automatically stop when the battery is fully charged. Leave the hearing aid in the charger when not being worn. Remember to keep the charger connected to a power source.

Note that charging time may vary between left and right hearing aid.

**Important notice**

Always leave the charger connected to a power source when the hearing aid is seated in the charging port. Switching off the charger will make the hearing aid turn on and start using battery.

## Caring for your charger

Always make sure that the charger is dry and clean before use. Keep the charging ports clean by using a dry cloth. Do not use water or cleaning fluids to clean the charging ports.

Store your charger in a dry location, e.g. in the bedroom, rather than in the bathroom or kitchen.

Keep the charger in a temperature environment of +5°C to +40°C (+41°F to +104°F).

## Power the charger via other sources

It is possible to power the charger from other sources with a USB port. Ensure that the power source is USB 2.0 compliant, minimum 500 mA output.

### **Examples of sources**

- Power bank
- PC
- Car

Always check charger starts up to make sure the power source is delivering sufficient output for your charger. Check that the LED on the charger turns green (see page 10), and the LED on the hearing aid turns on (red/orange light = charging) (see page 11).

## General warnings

You should familiarize yourself fully with the following general warnings before using your charger for your personal safety and to ensure correct use.

Consult your hearing care professional if you experience unexpected operations or events with your charger.

### **Usage of charger**

- The charger should be used only as directed.

### **Risk of burns**

- Do not place anything other than the hearing aids into the charger ports.

### **Choking hazards**

- Charger, hearing aids and their parts should be kept out of reach of children and anyone who might swallow these items or otherwise cause injury to themselves.

**If a small part is swallowed, see a doctor or go to a hospital immediately.**



## **Heat**

- The charger must never be exposed to extreme heat, e.g. left inside a parked car in the sun.
- The charger must not be dried in microwave ovens or other ovens.

## **Connection to external equipment**

- The safety of the charger when connected to external equipment (via auxiliary input cable, USB cable, or directly), is determined by the external equipment. When connected to external equipment plugged into a wall outlet, this equipment must comply with IEC-62368 (or IEC-60065, IEC-60950 until June 20, 2019) or equivalent safety standards.

## **Fire hazards**

- The power source in your charger has insufficient energy to cause fire in normal usage conditions.

# Trouble shooting guide

<b>Symptom</b>	<b>Possible causes</b>
The charger LED remains turned off when the charger is connected to power	The charger is not plugged in
The charger LED shows long red/orange blinks	The hearing aid or charger is too warm
The charger LED repeatedly shows 3 short red/orange blinks	The charger is too cold System error
	The charger is not plugged in
	The hearing aid or charger is either too warm or too cold
Hearing aid LED remains off when the hearing aid is placed in the charger	Charging is incomplete. The room temperature exceeds +35°C (+95°F), which prolongs the charging time. The charger has stopped charging to protect the battery. The hearing aid is not correctly inserted into the charger
The hearing aid LED blinks red/orange when the hearing aid is placed in the charger	System error

## **Solutions**

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Verify that the power supply is connected correctly.  
Make sure that the power source complies with specifications indicated on page 15.

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Move the charger and hearing aid to a location with a temperature between +5°C to +40°C (+41°F to +104°F)

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Move the charger and hearing aid to a location with a temperature between +5°C to +40°C (+41°F to +104°F)

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Contact your hearing care professional

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Verify that the charger power supply is connected correctly

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Move the charger and hearing aid to a location with a temperature between +5°C to +40°C (+41°F to +104°F)

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Reinsert the hearing aid into the charger. This will complete the charging within approximately 15 minutes.

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Check the charger ports for debris

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Contact your hearing care professional

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## Conditions of use

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<b>Operating conditions</b>	Temperature: +5 °C to +40 °C (+41 °F to +104 °F) Relative humidity: 15 % to 93 %, non-condensing Atm press.: 700 hPa to 1060 hPa
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<b>Storage and transportation conditions</b>	Temperature and humidity should not exceed the following limits for extended periods during transportation and storage:
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### **Storage**

Temperature: –25 °C to +70 °C  
(–13 °F to +158 °F)  
Relative humidity:  
15 % to 93 %, non-condensing

### **Transportation**

Temperature: –25 °C to +70 °C  
(–13 °F to +158 °F)  
Relative humidity:  
15 % to 93 %, non-condensing

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For information about condition of use of the hearing aid, see the hearing aid Instruction for Use.

# Warranty certificate

Name of owner: \_\_\_\_\_

Hearing care professional: \_\_\_\_\_

Hearing care professional's address: \_\_\_\_\_  
\_\_\_\_\_

Hearing care professional's phone: \_\_\_\_\_

Purchase date: \_\_\_\_\_

Warranty period: \_\_\_\_\_

Month: \_\_\_\_\_

Model: \_\_\_\_\_

Serial number: \_\_\_\_\_

## International warranty

Your charger is covered by an international limited warranty issued by the manufacturer for a period of 12 months from the date of delivery. This limited warranty covers manufacturing and material defects in the device itself, but not in accessories such as batteries, cables, power supplies, etc. Problems arising from improper/incorrect handling or care, excessive use, accidents, repairs made by an unauthorized party, exposure to corrosive conditions, damage due to foreign objects entering the device or incorrect adjustments are NOT covered by the limited warranty and may void it. The above warranty does not affect any legal rights that you might have under applicable national legislation governing sale of consumer goods. Your hearing care professional may have issued a warranty that goes beyond the clauses of this limited warranty. Please consult him/her for further information.

### **If you need service**



Take your charger to your hearing care professional, who may be able to sort out minor problems and adjustments immediately.



## Description of symbols used in this booklet or on the packaging label

	<p><b>Warnings</b> Text marked with a marking symbol must be read before using the product.</p>
	<p><b>Manufacturer</b> The product is produced by the manufacturer whose name and address are stated next to the symbol. Indicates the medical device manufacturer, as defined in EU Directives 90/385/EEC, 93/42/EEC and 98/79/EC.</p>
	<p><b>Electronic waste (WEEE)</b> Recycle your hearing aids, accessories or batteries according to local regulations or return them to your hearing care professional for disposal. Electronic equipment covered by Directive 2012/19/EU on waste and electrical equipment (WEEE).</p>
	<p><b>Regulatory Compliance Mark (RCM)</b> The product complies with electrical safety, EMC and radio spectrum requirements for products supplied to the Australian or New Zealand market.</p>
	<p><b>Keep dry</b> Indicates a medical device that needs to be protected from moisture.</p>
	<p><b>Caution symbol</b> Consult instructions for use for warnings and cautions.</p>
	<p><b>Catalogue number</b> Indicates the manufacturer's catalogue number so that the medical device can be identified.</p>
	<p><b>Serial number</b> Indicates the manufacturer's serial number so that a specific medical device can be identified.</p>



	<p><b>Double insulation</b> Indicates that product power supply is double insulated. This means a very low risk of single fault failures i.e. single fault failures cannot occur.</p>
	<p><b>Indoor use</b> Indicates that the product is qualified for indoor use.</p>

The manufacturer declares that this charger is in compliance with the essential requirements and other relevant provisions of Directive EMC (2014/30/EU) and LVD (2014/35/EU).

Declaration of Conformity is available at the manufacturer.



**SBO Hearing A/S**

Kongebakken 9

DK-2765 Smørum

Denmark



Waste from electronic equipment must be handled according to local regulations.



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8,15 mm

Placeholder  
for FSC logo

FSC  
MIX  
Paper

FSC® C043871

^  
19 mm  
v

< 15 mm >

9.0 mm



**Manufacturer:**

SBO Hearing A/S  
Kongebakken 9  
DK-2765 Smørum  
Denmark  
[www.sbohearing.com](http://www.sbohearing.com)



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