

Instructions for use

TV Adapter 3.0



Introduction to this booklet

This booklet gives you guidance on how to use and maintain your new TV Adapter. Please read the booklet carefully, including the **Warnings** section. This will help you get the most out of your new TV Adapter.

If you have additional questions about the use of your TV Adapter, please contact your hearing care professional.

For your convenience, this booklet contains a navigation bar to help you navigate easily through the different sections.

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Intended use

Intended use	TV Adapter 3.0 is intended as a wireless transmitter of sound from a TV or other electronic audio devices to Oticon hearing aids.
Indications for use	No indications for use.
Intended user	Adults and children older than 36 months.
Use environment	Home setting.
Contraindications	No contraindications.
Clinical benefits	See clinical benefits of the hearing aid.

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Package content

The TV Adapter packaging box consists of the following elements:



TV Adapter



This booklet
(Instructions for use)

Box 1



Power supply

Box 2



RCA cable



Mini jack Adapter

Box 3



TOSLINK

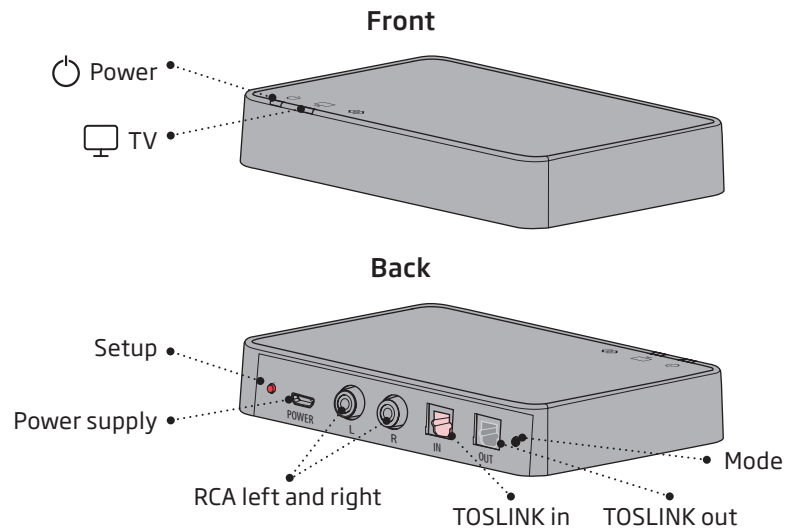
TV Adapter overview

Mode	Power indicator	TV indicator
Power on, not paired to any hearing aids		
Pairing complete (steady light 30 seconds)		
Power on, not streaming		
RCA inserted and streaming		
No RCA/Audio input		
TOSLINK inserted and streaming (digital)		
TOSLINK inserted and streaming (invalid signal)*		
Fault condition **		

No light
 Blinking
 Fading
 Steady

* Try other input connection

** Contact your hearing care professional



Installation

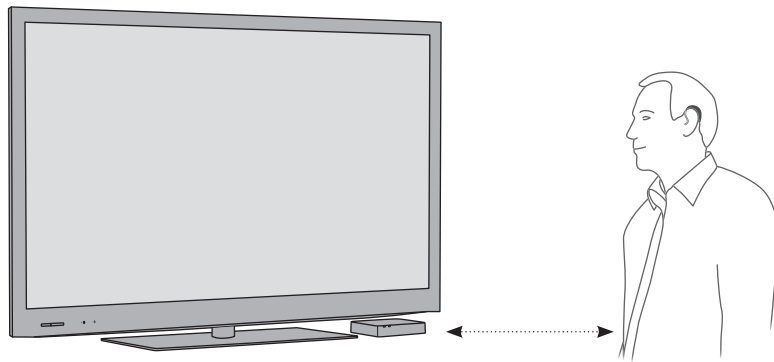
Using the TV Adapter for the first time

Before you can use your hearing aids with your TV, the TV Adapter must be connected to a power outlet, connected to the TV and paired with your hearing aids.

This is a step-by-step guide on how to install the TV Adapter.

Placing the TV Adapter

Place the TV Adapter close to the TV - horizontally, with free line of sight to the hearing aids.



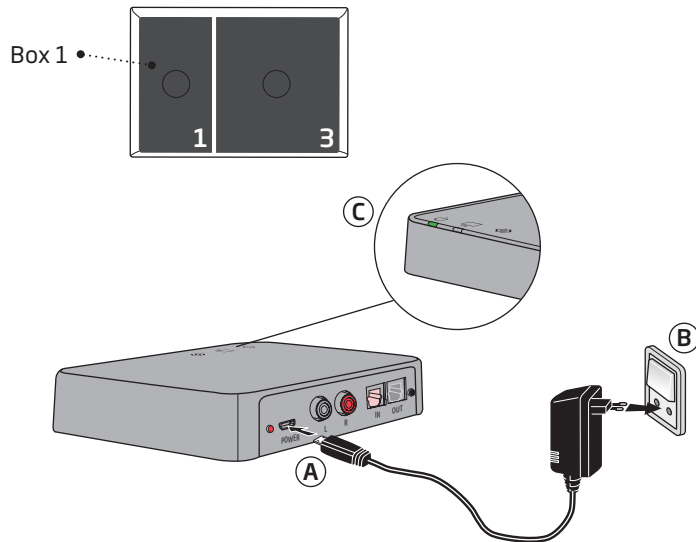
Connecting to a power outlet

Use the power supply from box 1

1. Plug the power cord into the "power" connector on the TV Adapter (A).
2. Plug the power supply into the mains wall socket (B).
3. Check that the power is turned on; after a few seconds both indicators will fade blue to indicate that pairing with your hearing aids is needed. See page 24.

IMPORTANT NOTICE

When charging the TV Adapter use the supplied original power supply 5.0V/1A, CE and safety marked.



Connect to the TV

You can connect the TV Adapter to the TV in four different ways.

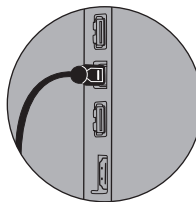
Connection	Page
TOSLINK. Either digital stereo (PCM) or Dolby® Digital *	16
RCA audio output L+R	18
Mini jack audio output (typically headphone output)	20
SCART audio output (L+R)	22

*Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

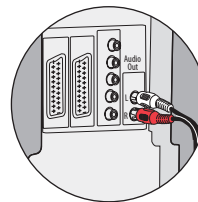
We recommend using TOSLINK.

Please see the following pages for a solution which fits your TV.

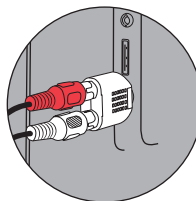
TOSLINK (p. 16)



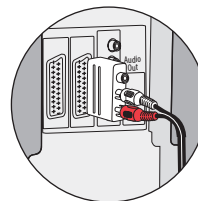
RCA (p. 18)



Mini jack (p. 20)



SCART (p. 22)

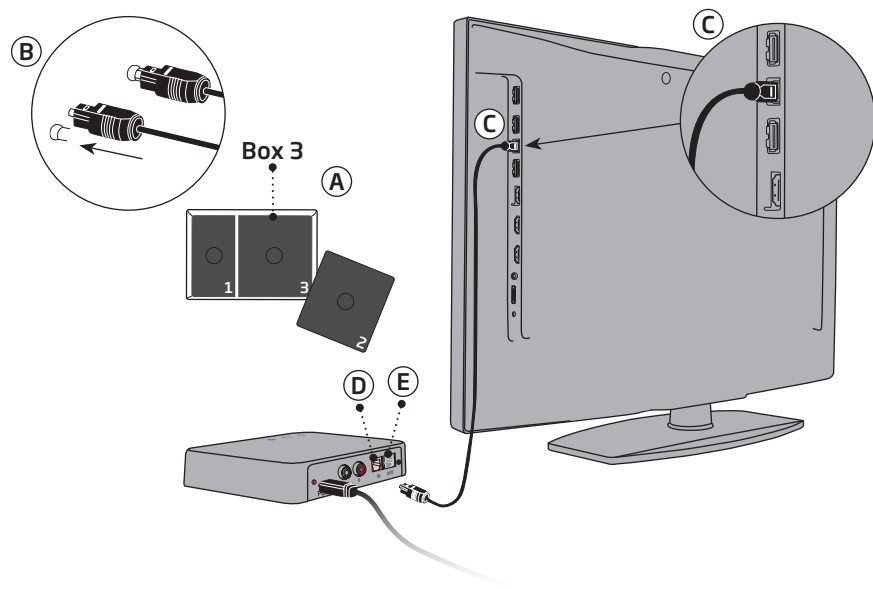


Connecting using TOSLINK

1. Use the TOSLINK cable from box no. 3 (A).
2. Remove the plastic cap from the TOSLINK cable. (B)
3. Connect the TOSLINK cable to the TOSLINK output on your TV/home theater system (C).
4. Connect the TOSLINK cable to the pink TOSLINK input (D) on the TV Adapter.
5. The TOSLINK output (E) may be used to connect other TOSLINK devices such as external Dolby® Decoders and surround sound systems.
6. Refer to page 24 for pairing of the TV Adapter with your hearing aids.

Note

It may be necessary to configure your TV, DVD player or home theater system so that the correct audio output is available on the TOSLINK output.

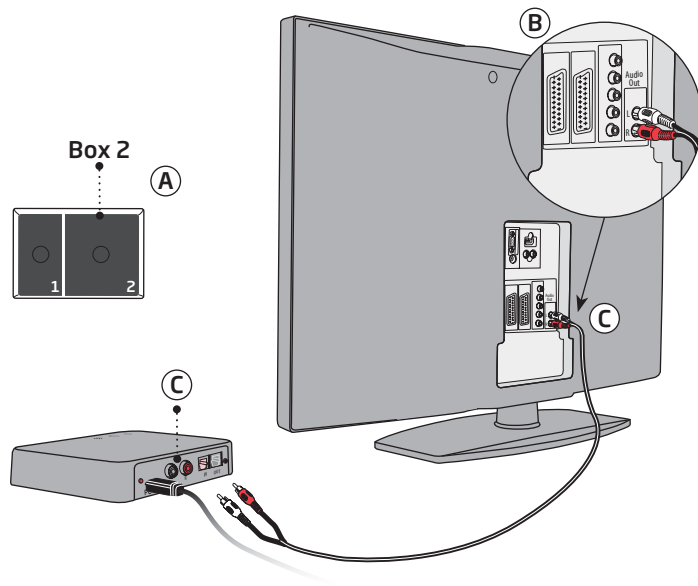


Connecting using RCA

1. Use the RCA cable from box no. 2 (A).
2. Connect the RCA cable to the RCA output on your TV (B) or home theater system. (Typically marked "L - R AUDIO OUT" and found on the TV back or bottom panel.)
3. Connect the RCA cable to the RCA connectors (C) on the back of the TV Adapter.
4. Refer to page 24 for pairing of the TV Adapter with your hearing aids.

Note

It may be necessary to configure your TV so that the correct audio output is available on the RCA output.

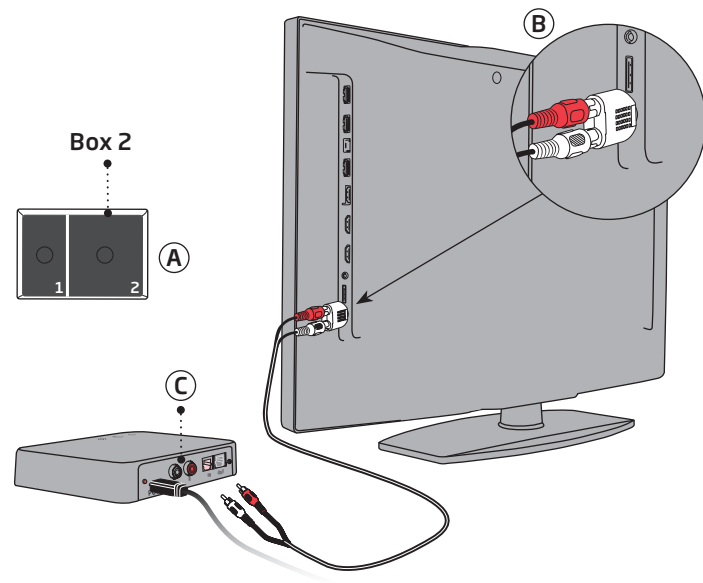


Connecting using mini jack adapter

1. Use the mini jack adapter from box no. 2 (A).
2. Connect the RCA cable to the mini jack adapter (B).
3. Connect the mini jack to the TV, this is typically the headphone output (B).
4. Connect the RCA connectors to the TV Adapter RCA input (C).
5. Refer to page 24 for pairing of the TV Adapter with your hearing aids.

Note

The TV speakers may be muted when connecting to the headphone output, and sound only heard through the hearing aids/TV Adapter.

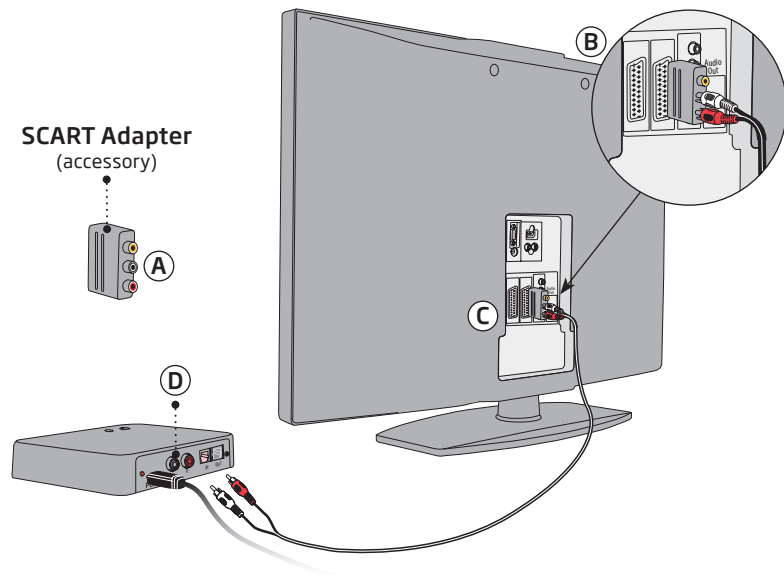


Connecting using SCART

1. Use a SCART Adapter* (A).
2. Connect the RCA cable to the red and white terminals on the SCART Adapter (B).
3. Connect the SCART Adapter to the SCART output on your TV (C).
4. Connect the RCA connectors to the TV Adapter RCA input (D).
5. Refer to page 24 for pairing of the TV Adapter with your hearing aids.

Note

The audio output on the SCART connector can be dependent on the source selected on the TV. For example some TVs will only make TV sound available on the SCART output (i.e. sound from a connected DVD player).



* The SCART Adapter is an accessory which is not included in the package content. If you need a SCART Adapter, please contact your hearing care professional.

Pairing the TV Adapter with your hearing aids

Before using the TV adapter, it must be paired with your hearing aids.

Pairing is only required once, and takes around 20-60 seconds.

Note

This TV Adapter can be paired with as many hearing aids as you like. All users will be able to hear the same sound. Please see page 36 for more details.

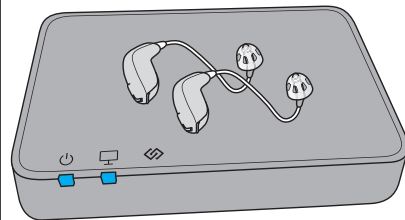
IMPORTANT NOTICE

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

Ensure the TV adapter is powered on.

Restart the hearing aids to activate pairing mode.

To turn the hearing aids OFF and ON again, see your hearing aid's instructions for use.



Place both hearing aids close to, or on top of the TV Adapter.

Pairing is completed when the power indicator and the TV indicator is blue for about 30 seconds.

TV Adapter	Description
	Pairing completed

Start TV sound using your hearing aids

Once a TV Adapter has been paired with your hearing aids, it will be available as a program in your hearing aids. To listen to TV simply press and hold the push button on your hearing aids to change program.

The program cycle will depend on the programs already available in your hearing aids.

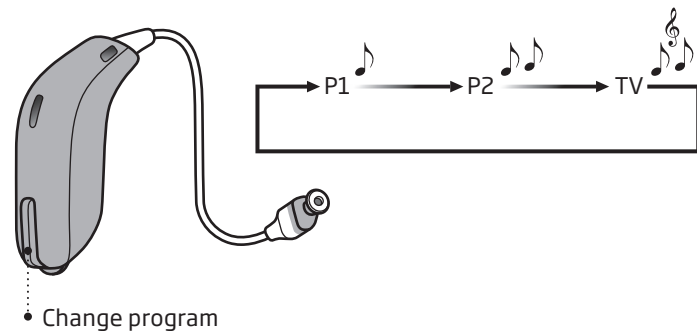
The TV program indicator - which is different from hearing aid program indicators - will be heard once the TV program is selected.

IMPORTANT NOTICE

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

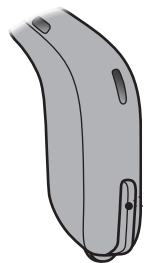
Turn off TV sound using your hearing aids

To stop the sound from the TV simply change to the desired program in your hearing aids.



Volume control using your hearing aids

Use the push button on your hearing aid to adjust the TV volume level in both hearing aids.



- A short press on the RIGHT hearing aid increases the volume.

- A short press on the LEFT hearing aid decreases the volume.

Note

The TV volume in the hearing aids is normally not affected by volume adjustments from the TV remote control.

IMPORTANT NOTICE

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

Start TV sound using the hearing aid Remote Control

The Remote Control is an optional accessory to your wireless hearing aids.

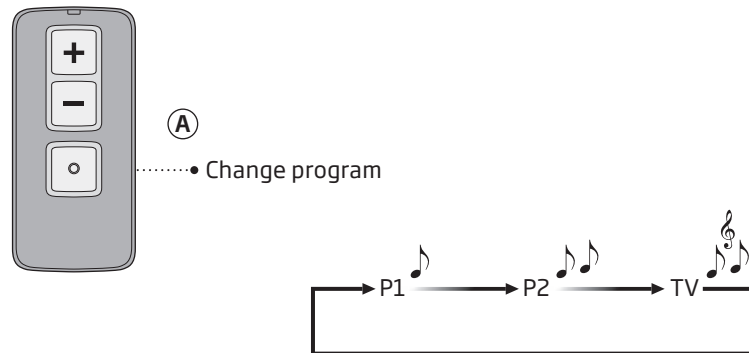
Once a TV Adapter has been paired to your hearing aids it will be available as a program. To listen to TV simply press the program selector and change program (A).

The program cycle will depend on the programs already available in your hearing aids.

The TV program indicator - which is different from program indicators - will be heard once the TV program is selected.

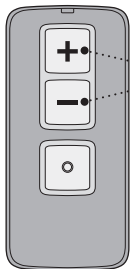
Turn off TV sound using Remote Control

To stop the sound from the TV simply change to the desired program in your hearing aids.



Volume control using Remote Control

Use the volume buttons to adjust the TV volume level in both hearing aids.



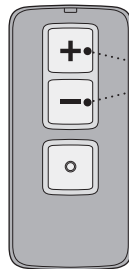
- Adjust the volume by pressing up or down briefly. Repeat the brief press for further adjustments.

Note

The TV volume in the hearing aids is normally not affected by volume adjustments from the TV remote control.

Mute using Remote Control

While watching TV you can switch off the microphones in your hearing aids, so that only the sound from the TV is heard.



- Press and hold the volume down button for approx 3 seconds until the surrounding sound is muted. You will hear a confirmation beep indicating that the microphones in the hearing aids are now muted.

To unmute simply press volume up or down briefly.

Note

The mute and volume functions are optional and can be customized by your hearing care professional.

Use TV Adapter with Oticon On App

Sound from the TV Adapter can also be controlled using the Oticon ON App.

Please refer to the instructions for use “Oticon ON App” for further information.

More than one user

An unlimited number of hearing aid users can listen to the sound from one TV Adapter.

Pair the hearing aids to the TV Adapter as described on page 24.

IMPORTANT NOTICE

The TV Adapter must never be washed or immersed in water or other liquids.

More than one TV Adapter

Your hearing aids can be paired with up to 4 TV Adapters. When you switch to "TV Program" mode, your hearing aids will automatically connect to the last connected TV Adapter within range (i.e. the last TV you were watching with sound streamed directly to your hearing aids).

If you hear sound from another TV than the one you wish to, you may:

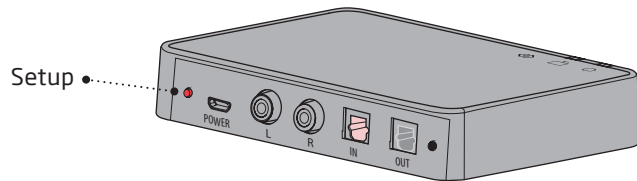
- 1a) Turn OFF the TV you do NOT want to hear sound from and wait 5 minutes, or
- 1b) Turn OFF the TV Adapter streaming sound by disconnecting the power cord
- 2) Exit the "TV Program" in your hearing aids
- 3) Make sure you are within range of the TV and TV Adapter you wish to connect to, and that these are (still) turned ON
- 4) Enter the "TV Program" in your hearing aids
- 5) Your hearing aids will now be connected to the right TV and TV Adapter



If another person wishes to watch the TV that you turned OFF, it can be turned ON again after 5 minutes. If you do not wish to wait 5 minutes before turning this ON, you shall choose step 1b above, and the power cord can be reconnected immediately after step 5.

Removing a user/clear pairings

To remove a user from your TV Adapter perform a system reset and re-pair the required hearing aids.

1. Reset system: Press and hold the setup button for more than 5 seconds
2. Indicators fade blue to indicate no pairings
3. Re-pair the required instruments (see page 24)



TV Adapter	Description
	No pairings
 Fading	

Caring for TV Adapter

Use a soft, dry cloth to clean the TV Adapter.

IMPORTANT NOTICE

The TV Adapter must never be washed or immersed in water or other liquids.

Warnings

For your personal safety and to ensure correct usage, you should familiarize yourself fully with the following general warnings before using your TV Adapter. Consult your hearing care professional if you experience unexpected operations or serious incidents with your TV Adapter during use or because of its use. Your hearing care professional will support you with issue handling and, if relevant, reporting to the manufacturer and/or the national authorities.

Fire hazards

The power source in your TV Adapter has insufficient energy to cause fire in normal usage conditions.

Interference

Your TV Adapter has been thoroughly tested for interference according to the most stringent international standards. However, interference with your TV adapter and other devices may occur. If this occurs, increase the distance between the TV adapter and the interfering device.

Connection to external equipment

The safety of the use TV Adapter when connected to external equipment with an auxiliary input cable, is determined by the external signal source. When connected to external equipment plugged into a wall outlet, this equipment must comply with IEC-62368-1 or equivalent safety standards.

Choking hazards and risk of swallowing small parts

Your TV Adapter and its parts should be kept out of reach of children and anyone who might swallow these items or otherwise cause injury to themselves. If small parts are swallowed, see a doctor immediately.

Incompatible non-supplied accessories

Only use accessories, transducers or cables supplied by the manufacturer. Incompatible accessories may result in reduced electromagnetic compatibility (EMC) of your device.

Conditions of Use

Operating conditions	Temperature: +41°F to +104°F Humidity: 15% to 93% relative humidity, non-condensing Atmospheric pressure: 700 hPa to 1060 hPa
Transportation and storage conditions	Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage: Temperature: -13°F to +158 °F Humidity: 15% to 93% relative humidity, non-condensing Atmospheric pressure: 700 hPa to 1060 hPa

International warranty

Your device is covered by a international limited warranty issued by the manufacturer for a period of 12 months from the date of delivery to you. This limited warranty covers manufacturing and material defects in the device itself, but not in accessories such as e.g. 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. Under this warranty, the manufacturer will choose, in its sole discretion, whether to repair the device, or replace it with

an equivalent model. 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 device to your hearing care professional, who may be able to sort out minor problems and adjustments immediately. Your hearing care professional can assist you to obtain warranty service from the manufacturer. Your hearing care professional may charge a fee for their services.

Technical information

Model name	TVA3
GTIN number	05714464006724

The TV Adapter contains a radio transceiver using Bluetooth Low Energy (BLE) and a proprietary short range radio technology both working at ISM band 2.4 GHz.

The radio transmitter is weak and always below 50mW equal to 17 dBm in total radiated power. The TV Adapter complies with international standards concerning radio transmitters, electromagnetic compatibility and human exposure.

Due to the limited space available on the TV Adapter relevant approval markings can be found in this document.

Additional information can be found in the Technical data sheets (TD) on www.oticon.com

USA and Canada

This device is certified under:

FCC ID: 2ACAHTVA3
IC: 11936A-TVA3

The device complies with Part 15 of the FCC Rules and with Industry Canada's license-exempt RSSs.

Operation is subject to the following two conditions:

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

Note

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.

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 manufacturer or an experienced radio/TV technician for help.

Radiofrequency radiation exposure Information

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The manufacturer declares that this TV adapter is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

This medical device complies with Medical Device Regulation (EU) 2017/745.



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

Declaration of Conformity is available from the manufacturer.



SBO Hearing A/S
Kongebakken 9
DK-2765 Smørum
Denmark



Complies with
IMDA Standards
DA103820

Description of symbols and abbreviation used in this booklet



Warnings

Text marked with a warning symbol must be read before using the device.



Manufacturer

The device is produced by the manufacturer whose name and address are stated next to the symbol. Indicates the medical device manufacturer, as defined in EU Regulations 2017/745 and 2017/746.



CE mark

The device complies with all required EU regulations and directives.



Electronic waste (WEEE)

Recycle hearing aids, accessories or batteries according to local regulations. Hearing aid users can also return electronic waste to their hearing care professional for disposal. Electronic equipment covered by Directive 2012/19/EU on waste and electrical equipment (WEEE).



Regulatory Compliance Mark (RCM)




The device complies with electrical safety, EMC and radio spectrum requirements for devices supplied to the Australian or New Zealand market.



Double insulation



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.

Description of symbols and abbreviation used in this booklet

	Indoor use Indicates that the product is qualified for indoor use.
	TwinLink 2.4 GHz The device contains Bluetooth Low Energy (BLE) 2.4 GHz radio technology, which supports wireless streaming to Oticon hearing aids with a 2.4 GHz receiver.
GTIN	Global Trade Item Number A globally unique 14-digit number used to identify medical device products including medical device software. GTIN in this booklet is related to medical device firmware. GTIN on regulatory packaging label is related to medical device hardware.
	Singapore IMDA label The device complies with the standards and specification published by Info-Communications Media Development Authority (IMDA) and is compatible with the public telecommunication networks in Singapore and does not cause radio frequency interference to other authorized radio-communication networks.

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Description of additional symbols used on labels

	Keep dry Indicates a medical device that needs to be protected from moisture.
	Caution symbol Consult instructions for use for warnings and cautions.
	Serial number Indicates the manufacturer's serial number so that a specific medical device can be identified.
	Catalog number Indicates the manufacturer's catalog number so that the medical device can be identified.
	Medical Device The device is a medical device.
	Power supply outlet Indicates the rate at which power is sent from the outlet to your electrical device.
	South Africa ICASA label Indicates that the device has license to be sold in South Africa.
	Japan TELEC symbol Indicates mark for certified radio equipment.
	Brazil ANATEL label Indicates that the device is certified and homologated in Brazil.

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life-changing **technology**