

TV Adapter 3.0



2.4 GHz



DOLBY
DIGITAL

Instructions for use

oticon
PEOPLE FIRST

Introduction to this booklet

This booklet guides you on how to use and maintain your new TV Adapter. Please read the booklet carefully, including the Warning section. This will help you to 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.

| **About** | Installation | Daily use | Warnings | Additional |

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

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Intended use

The TV Adapter is intended as a wireless transmitter of sound from a TV or from other electronic audio devices to hearing aids.

The TV Adapter is intended to be used by children (> 36 months) and adults together with their hearing solution.

Table of content

About	
Package content	6
TV Adapter overview	8
Installation	
Installation	10
Placing the TV Adapter	11
Connecting the TV Adapter to a power outlet	12
Connecting the TV Adapter to the TV	14
Connecting using TOSLINK	16
Connecting using RCA	18
Connecting using mini jack Adapter	20
Connecting using SCART	22
Pairing the TV Adapter with your hearing aids	24
Daily use	
Start TV sound using your hearing aids	26
Turn off TV sound using your hearing aids	27
Volume control using your hearing aids	28

Start TV sound using the hearing aid Remote Control	30
Turn off TV sound using your Remote Control	31
Volume control using your Remote Control	32
Mute using your Remote Control	33
Start TV sound using the Oticon ON App	34
Turn off TV sound using the Oticon ON App	35
Volume control using the Oticon ON App	36
Mute using the Oticon ON App	37
More than one user	38
Removing a user/clear pairings	39
Cleaning and maintenance	40
Warnings	
Warnings	42
Additional	
Technical information	44
International warranty	47

Package content

The TV Adapter box consists of the following elements:



TV Adapter



Power supply



TOSLINK



RCA cable



This guide
(Installation guide and Instructions for use)



SCART Adapter



Mini jack Adapter

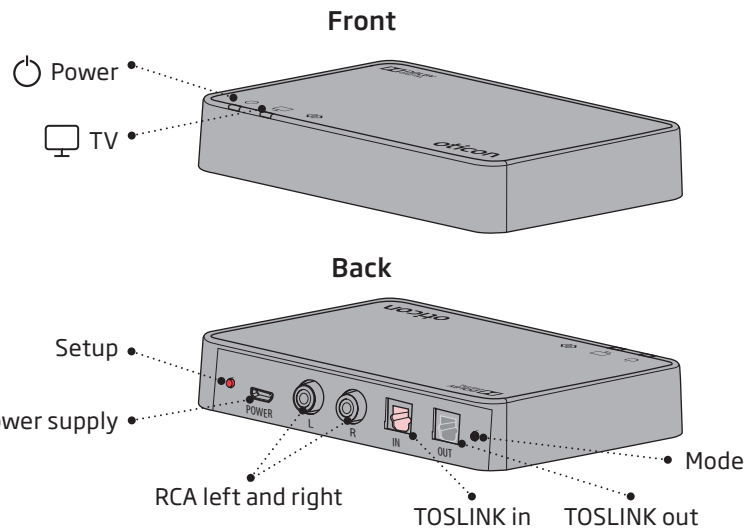
TV Adapter overview

Mode	Power indicator	TV indicator
Power on, not paired to any hearing aids		
Pairing complete (steady light 30 secs)		
Power on, not streaming		
RCA inserted and streaming		
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



More information: www.oticon.com

Installation

Using the TV Adapter for the first time

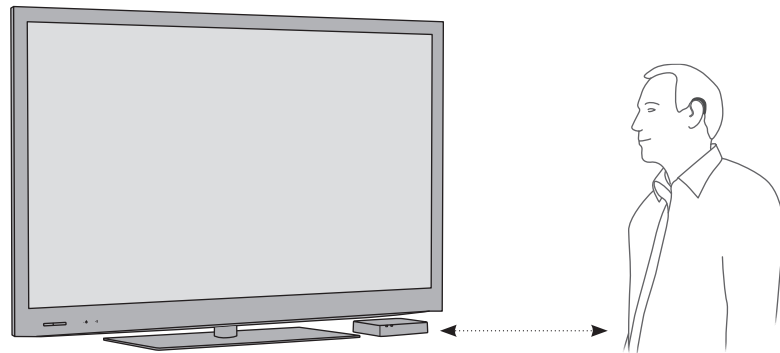
Before you can use your hearing aids with your TV, the TV Adapter must be connected to a power outlet, connected to the TV and paired with your hearing aids.

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

All parts needed for the installation are included in the package.

Placing the TV Adapter

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

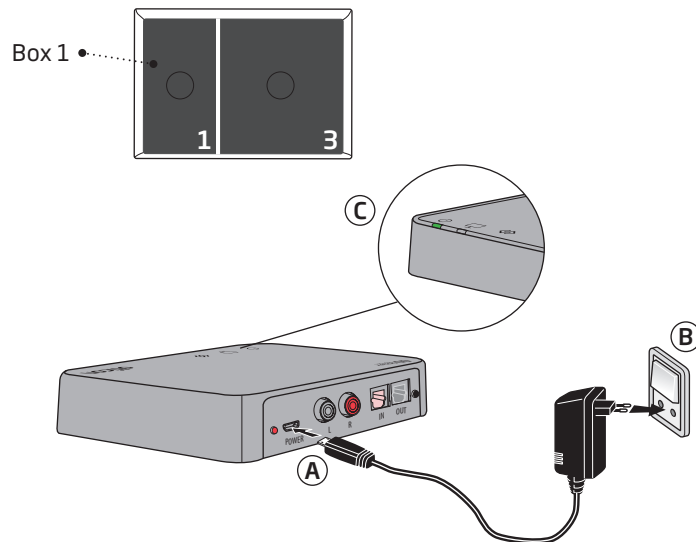


Connecting the TV Adapter to a power outlet

Start by connecting the TV Adapter 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.



Connecting the TV Adapter to the TV

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

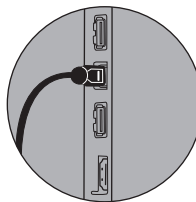
Connection	Page
TOSLINK. Either digital stereo (PCM) or Dolby® Digital *	16
RCA audio output L+R	18
Mini jack audio output (typically headphone output)	20
SCART audio output (L+R)	22

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

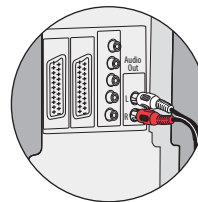
We recommend using TOSLINK.

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

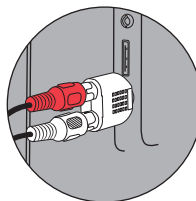
TOSLINK (p. 16)



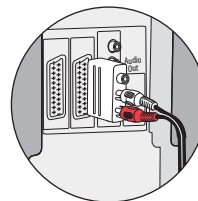
RCA (p. 18)



Mini jack (p. 20)



SCART (p. 22)

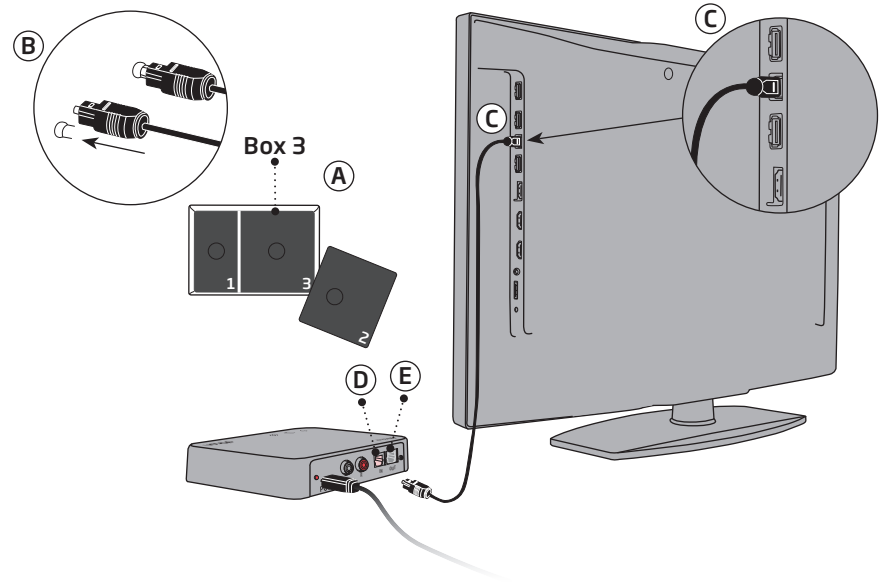


More information: www.oticon.com

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 Aid.

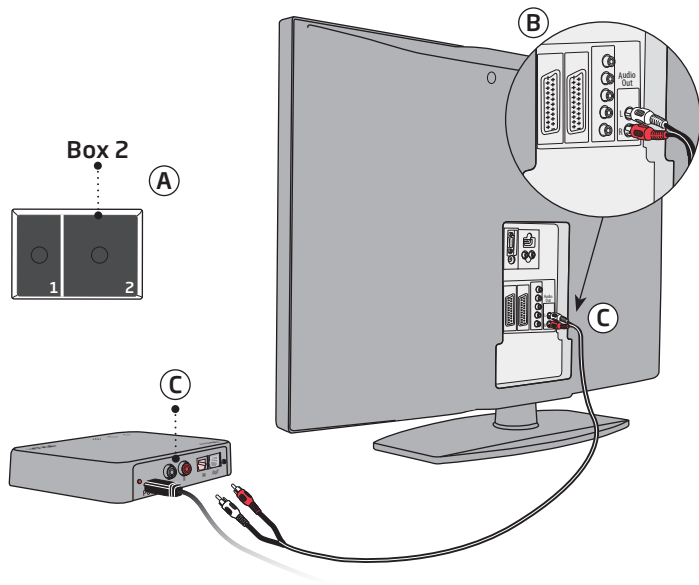
Please note: It may be necessary to configure your TV, DVD player or home theater system so that the correct audio output is available on the TOSLINK output.



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 hearing aids with the TV Adapter.

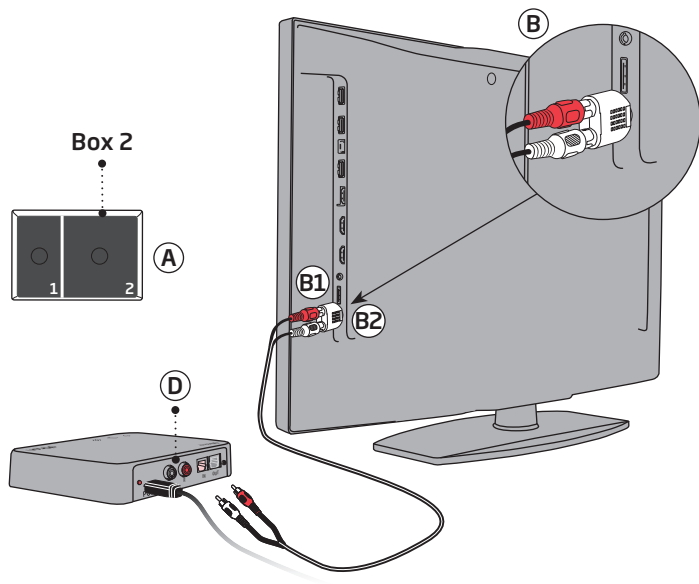
Please note: It may be necessary to configure your TV so that the correct audio output is available on the RCA output.



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 (B1).
3. Connect the mini jack to the TV, this is typically the headphone output (B2).
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.

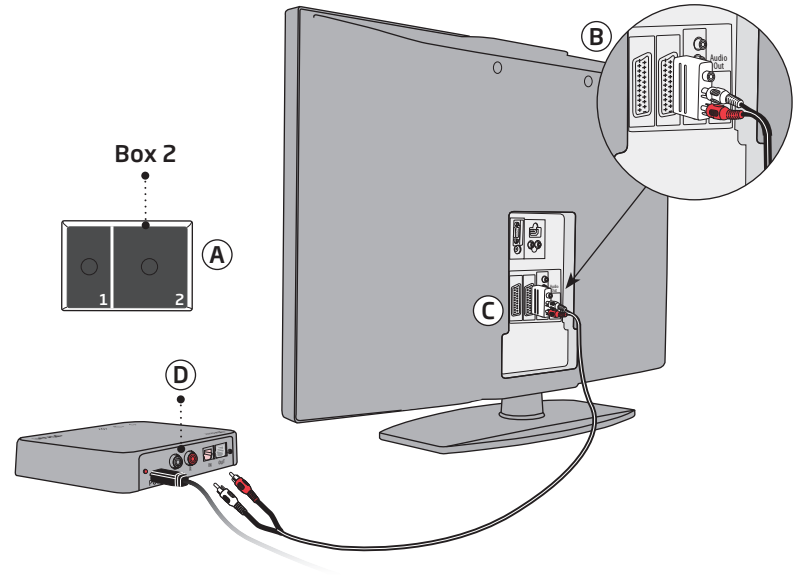
Please note: The TV speakers may be muted when connecting to the headphone output, and sound only heard through the Hearing Aids/TV Adapter.



Connecting using SCART

1. Use the SCART Adapter from box no. 2 (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.

Please 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. not e.g. sound from a connected DVD player).



Pairing the TV Adapter with your hearing aids

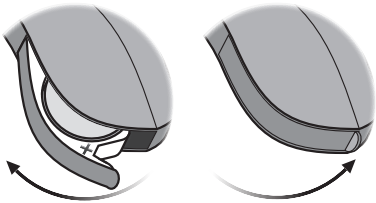
Before using the TV adapter, it must be paired with your hearing aids.

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

Note: This TV Adapter can be paired to as many hearing aids as you like. All users will be able to hear the same sound. Please see page 38 for more details.

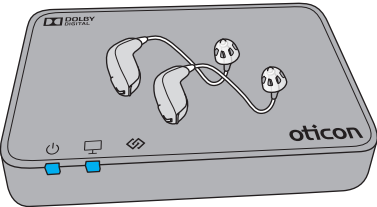
IMPORTANT NOTICE

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



Make sure the TV Adapter is powered on.

Open and close the battery door on both your hearing aids.



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 secs.

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 program switch on your hearing aids to change programs.

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

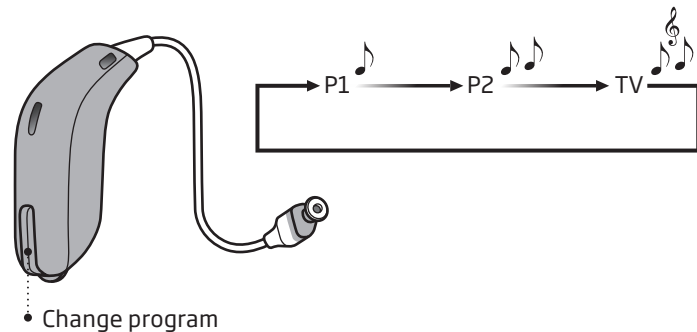
The TV program indicator - which is different from hearing aid program indicators - will be heard once the TV program is selected.

IMPORTANT NOTICE

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

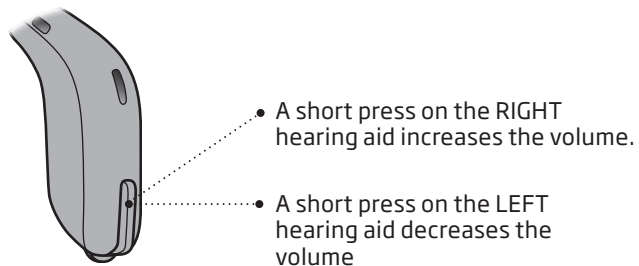
Turn off TV sound using your hearing aids

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 volume button on your hearing aid to adjust the TV volume level in both hearing aids. Adjust the volume by pressing up or down briefly. Press briefly repeatedly for further adjustments.



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.

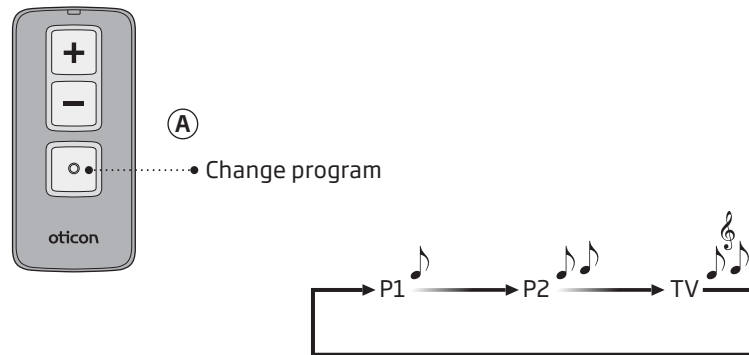
Once a TV Adapter has been paired to your hearing aids it will be available as a program. To listen to TV simply press the program selector and change program (A).

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 your Remote Control

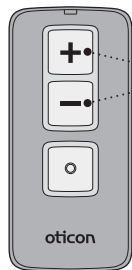
To stop the sound from the TV simply change to the desired program in your hearing aids.



More information: www.oticon.com

Volume control using your Remote Control

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

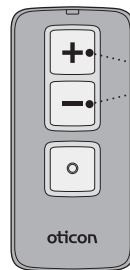


- Adjust the volume by pressing up or down briefly. Repeat the brief press for further adjustments.

Note: The TV volume in the hearing aids is normally not affected by volume adjustments from the TV Remote Control.

Mute using your 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.

Start TV sound using the Oticon ON App

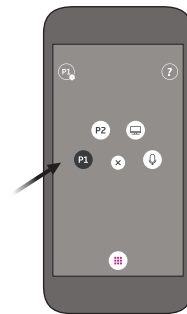
The Oticon ON App is an optional accessory to your wireless hearing aids. The app works with iPhone®, iPad®, iPod touch®, and Android™ devices. iPhone, iPad, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc. For information on compatibility, please visit www.oticon.com.



- Once a TV Adapter has been paired to your hearing aids it will be available as a program in your hearing aids and visible as a source in the Oticon ON App. To listen to TV simply select the TV source from the app.

Turn off TV sound using the Oticon ON App

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



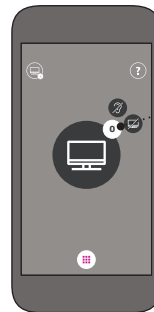
Volume control using the Oticon ON App

Swipe your finger up or down to adjust the volume.



Mute using the Oticon ON App

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



Press the volume indicator to mute the surrounding sounds. You will hear a confirmation beep indicating that the microphones in the hearing aids are now muted.

To unmute simply press the volume indicator again, or swipe your finger up or down to adjust the volume.

More than one user

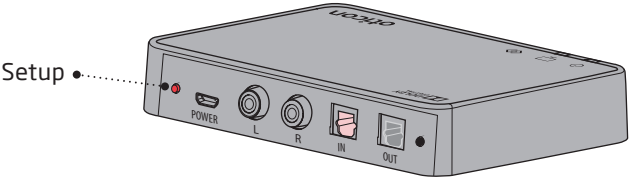
An unlimited number of hearing aid users can listen to the sound from one TV Adapter.

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

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

Cleaning and maintenance

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

You should familiarize yourself fully with the following general warnings and the entire contents of this booklet before using your TV Adapter to ensure personal safety and correct use. Consult your hearing care professional if you experience unexpected operations or events with your TV Adapter.

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.

Explosives

- The power source in your TV Adapter has insufficient energy to cause fire in normal usage conditions. The TV Adapter has not been tested for compliance with international standards concerning explosive environments. We recommend not to use your TV Adapter in areas where there is a danger of explosions.

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, (e.g. some mobile telephones, citizens band devices and other wireless devices). If this occurs, increase the distance between the TV adapter and the interfering device.

Connection to external equipment

- The safety of the use of the TV Adapter with an auxiliary input cable is determined by the external signal source. When the input cable is connected to equipment plugged into a wall outlet, this equipment must comply with IEC-60065, IEC-60601 or equivalent safety standards.

Technical information

Model name	TVA3
Operating conditions	Temperature: +5°C to +40°C Humidity: 15% to 93%, non-condensing Atmospheric pressure: 700 hPa to 1060 hPa
Storage and transportation conditions	Temperature and humidity shall not exceed the below limits for extended periods during transportation and storage: Temperature: -25 °C to +70 °C Humidity: 15% to 93%, non-condensing

The TV Adapter contains a wireless transmitter using 2.4 GHz technology.
The emission power from the TV Adapter is max. 17.1 dBm EIRP.
The TV Adapter complies with international standards concerning electromagnetic compatibility and human exposure.

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

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.

Changes or modifications not expressly approved by the party responsible for compliance 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 manufacturer or an experienced radio/TV technician for help.

To comply with FCC RF exposure requirements, the device and the antenna for this device must be installed to ensure a minimum separation distance of 20 cm or more from a person's body. Other operating configurations should be avoided.

International warranty

Your TV adapter 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 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. 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 TV adapter to your hearing care professional, who may be able to sort out minor problems and adjustments immediately.

The manufacturer declares that this TV adapter is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Declaration of Conformity is available at the manufacturer.



SBO Hearing A/S
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Denmark
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Waste from electronic equipment must be handled according to local regulations.



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