

TV Adapter 3.0



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.

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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.

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Package content

The TV Adapter box consists of the following elements:



TV Adapter



This guide
(Instructions for use)

Box 1



Power supply

Box 2



RCA cable



Mini jack Adapter

Box 3



TOSLINK

TV Adapter overview

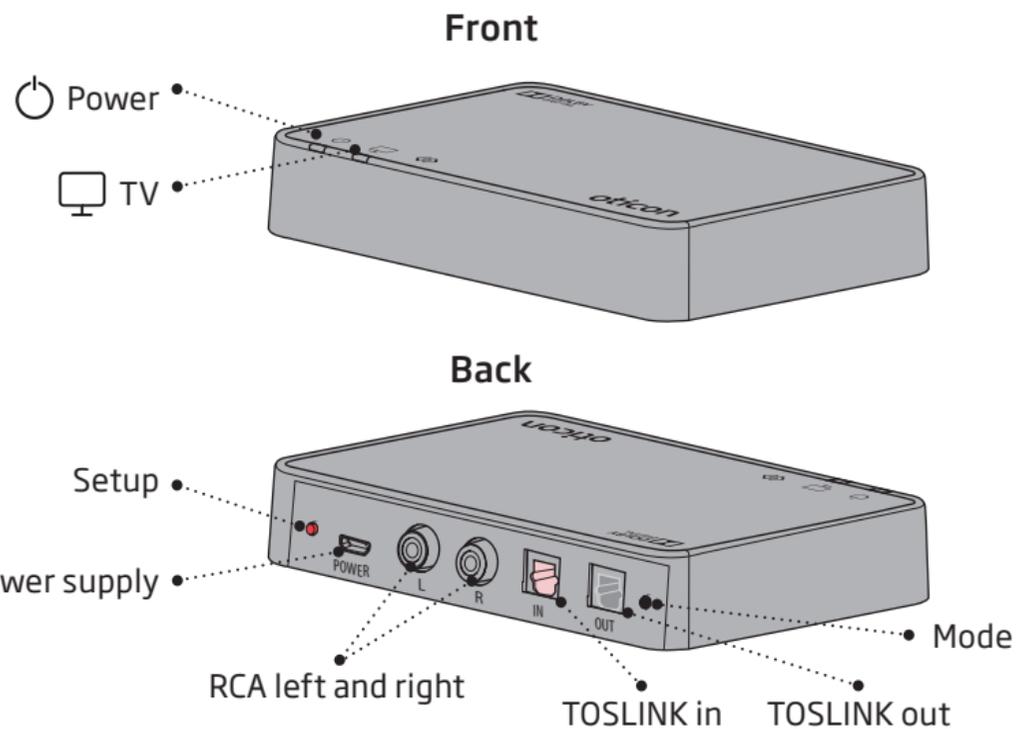
Mode	Power indicator	TV indicator
Power on, not paired to any hearing aids		
Pairing complete (steady light 30 secs)		
Power on, not streaming		
RCA inserted and streaming		
No RCA/Audio input		
TOSLINK inserted and streaming (digital)		
TOSLINK inserted and streaming (invalid signal)*		
Fault condition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

No light

 Blinking
 Fading
 Steady

* Try other input connection

** Contact your hearing care professional



More information: www.oticon.global/connectivity

Installation

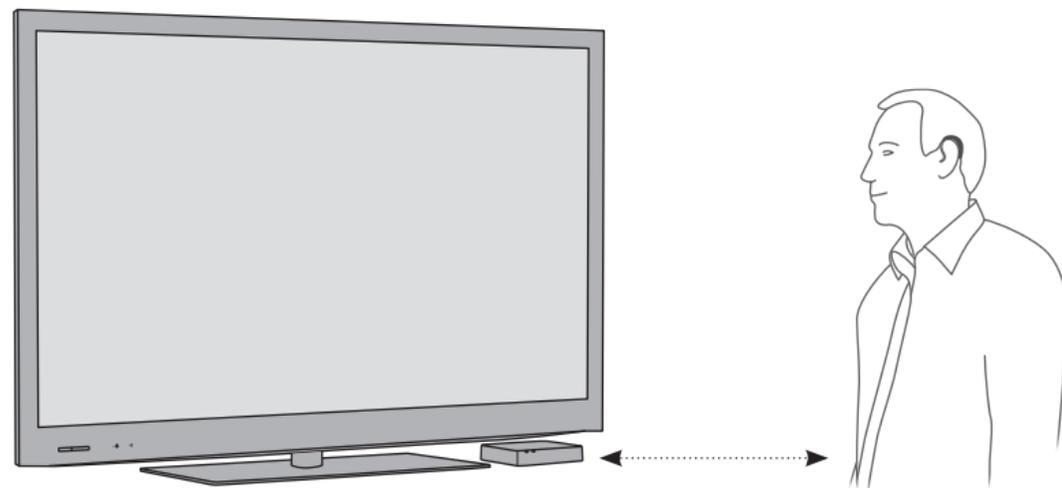
Using the TV Adapter for the first time

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

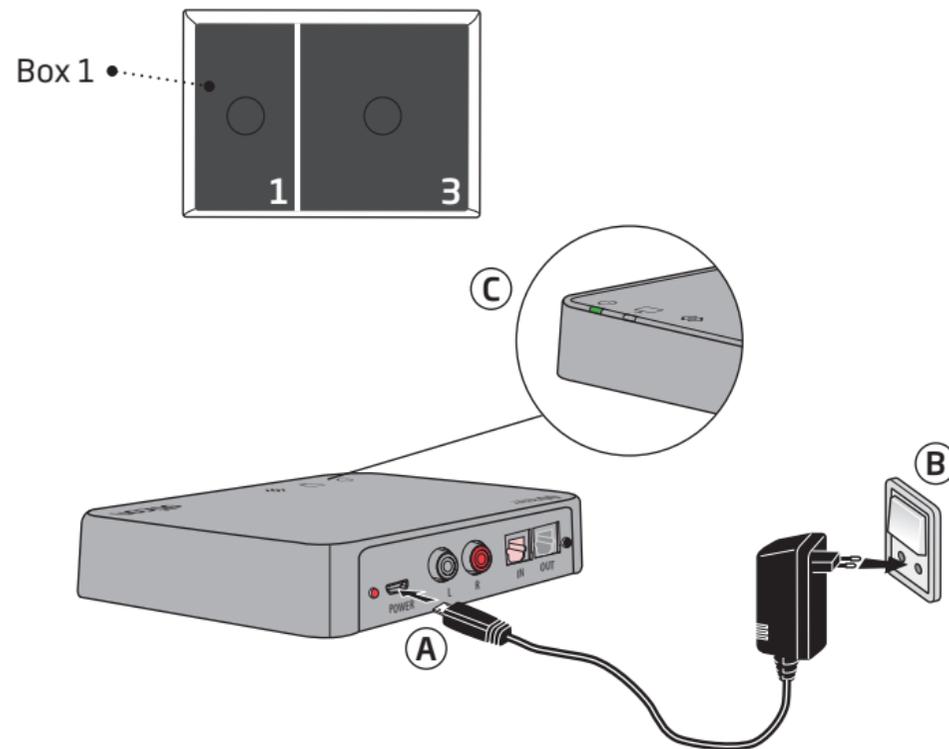


Connecting the TV Adapter to a power outlet

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.

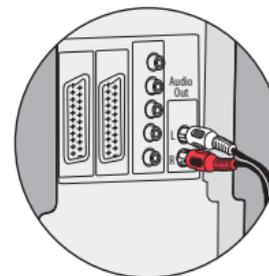
We recommend using TOSLINK.

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

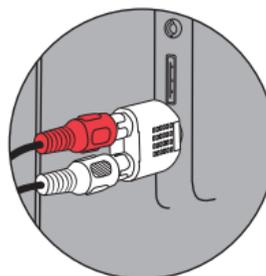
TOSLINK (p. 16)



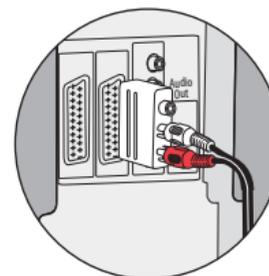
RCA (p. 18)



Mini jack (p. 20)



SCART (p. 22)

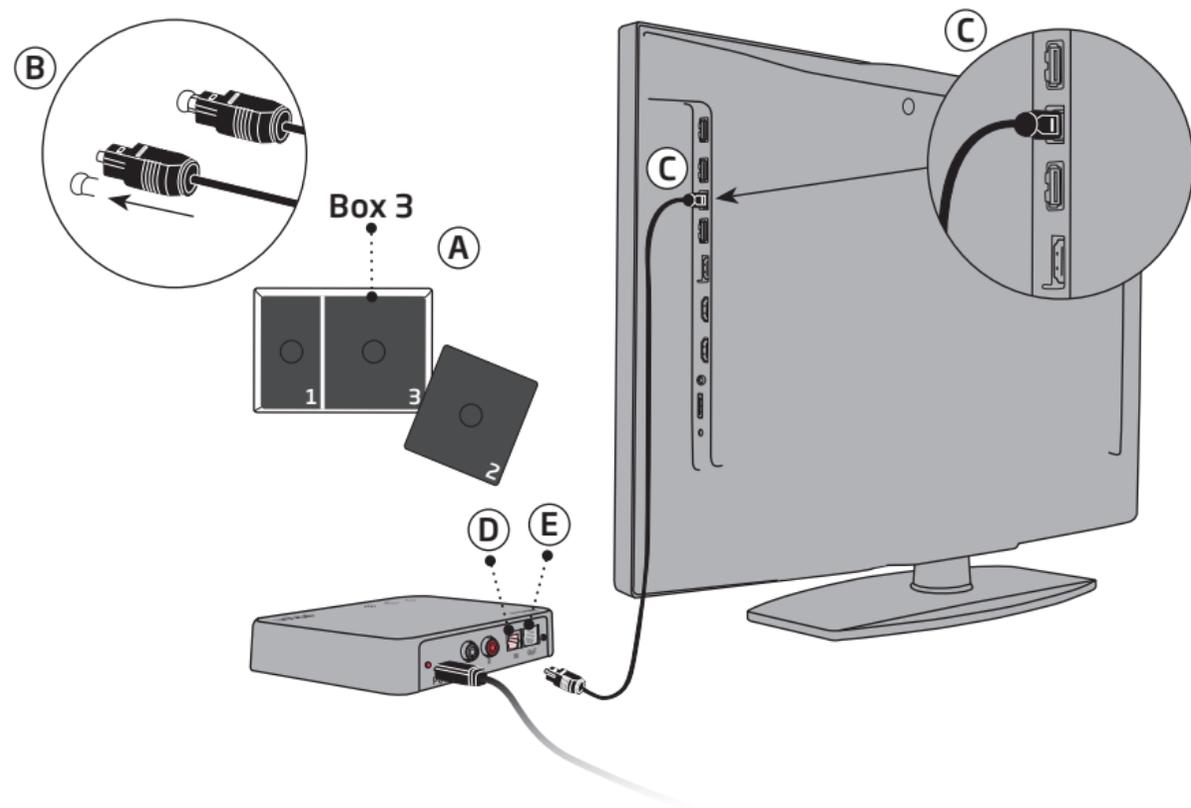


More information: www.oticon.global/connectivity

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 theatre 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.

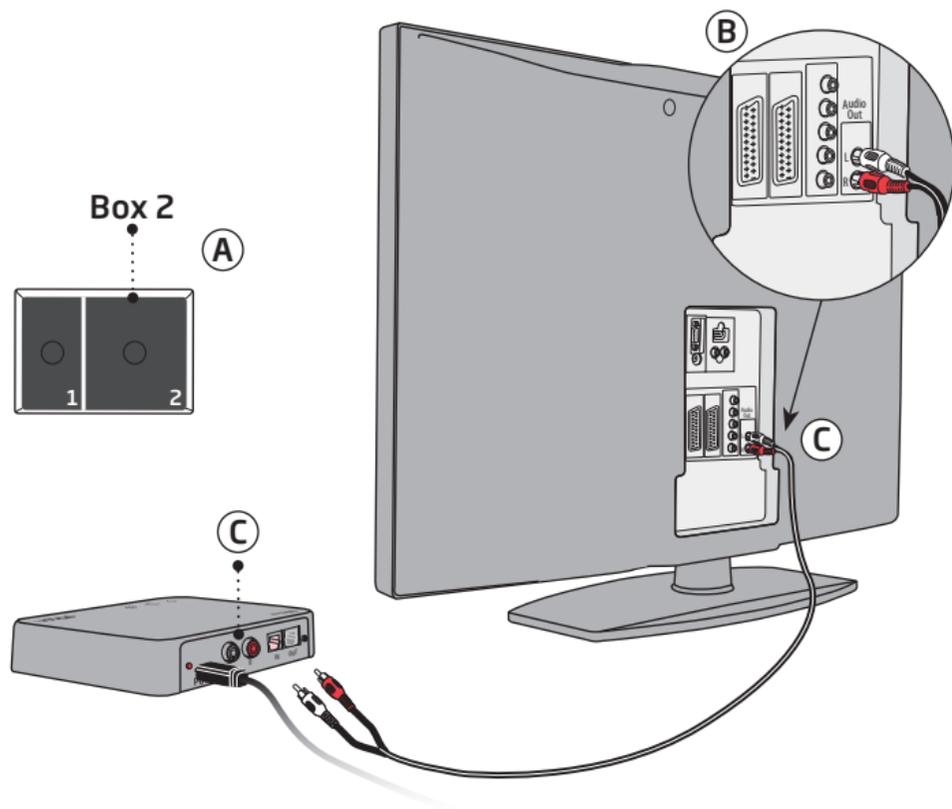
Please note: It may be necessary to configure your TV, DVD player or home theatre system so that the correct audio output is available on the TOSLINK output.



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 theatre 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.

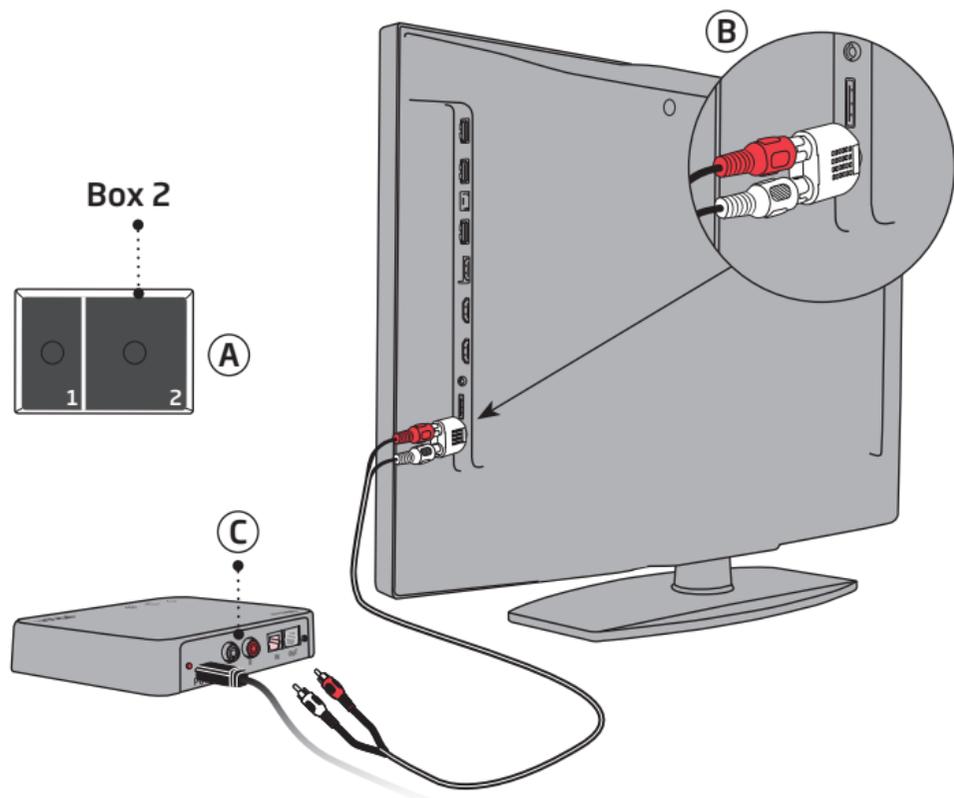
Please note: It may be necessary to configure your TV so that the correct audio output is available on the RCA output.



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 (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.

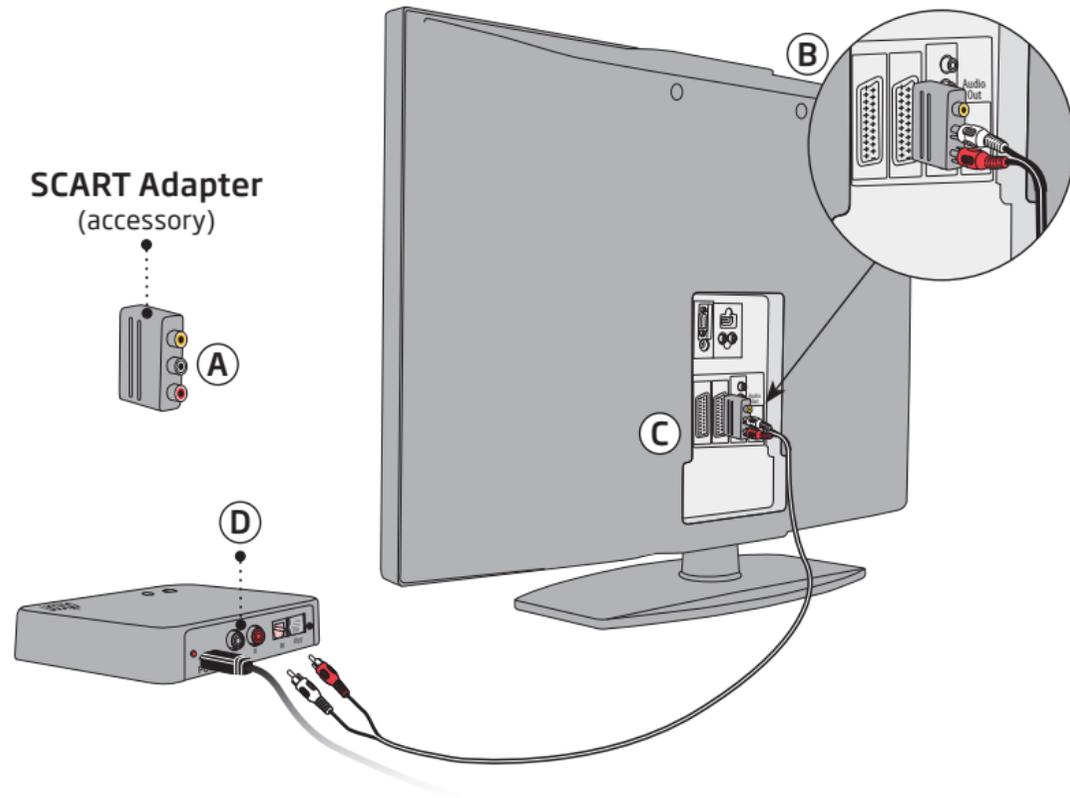
Please note: The TV speakers may be muted when connecting to the headphone output, and sound only heard through the Hearing Aids/TV Adapter.



Connecting using SCART

1. Use 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.

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).



* 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

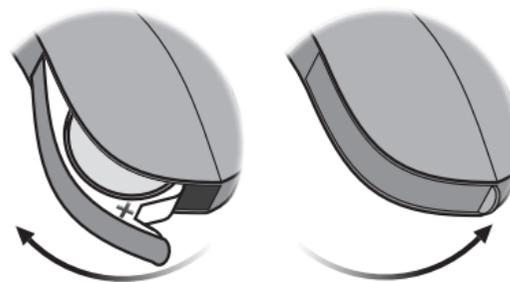
Before using the TV adapter, it must be paired with your hearing aids.

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

Note: This TV Adapter can be paired 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.

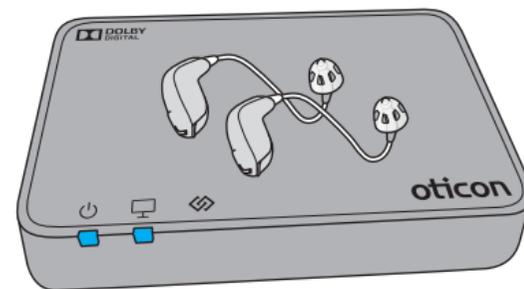
IMPORTANT NOTICE

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 programme in your hearing aids. To listen to TV simply press and hold the programme switch on your hearing aids to change programme.

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

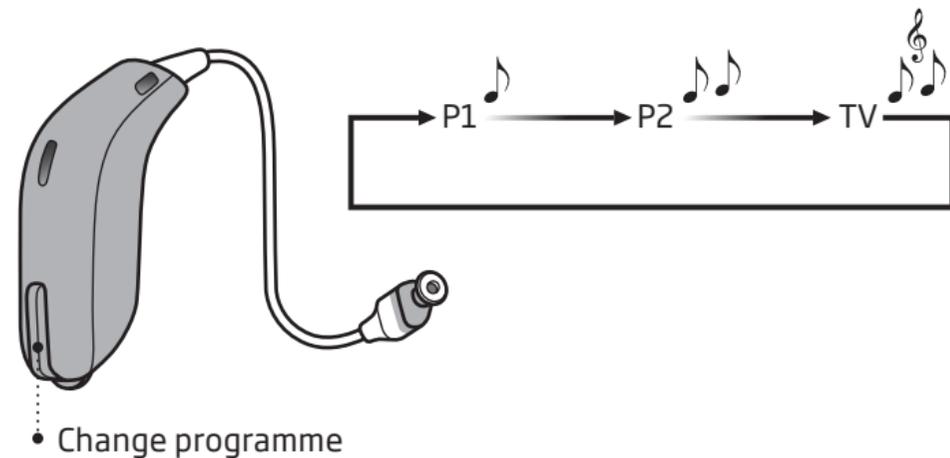
The TV programme indicator - which is different from hearing aid programme indicators - will be heard once the TV programme is selected.

IMPORTANT NOTICE

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

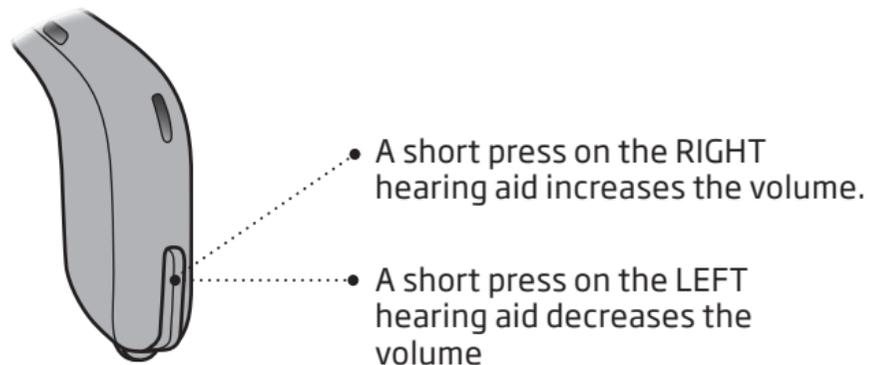
Turn off TV sound using your hearing aids

To stop the sound from the TV simply change to the desired programme 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.

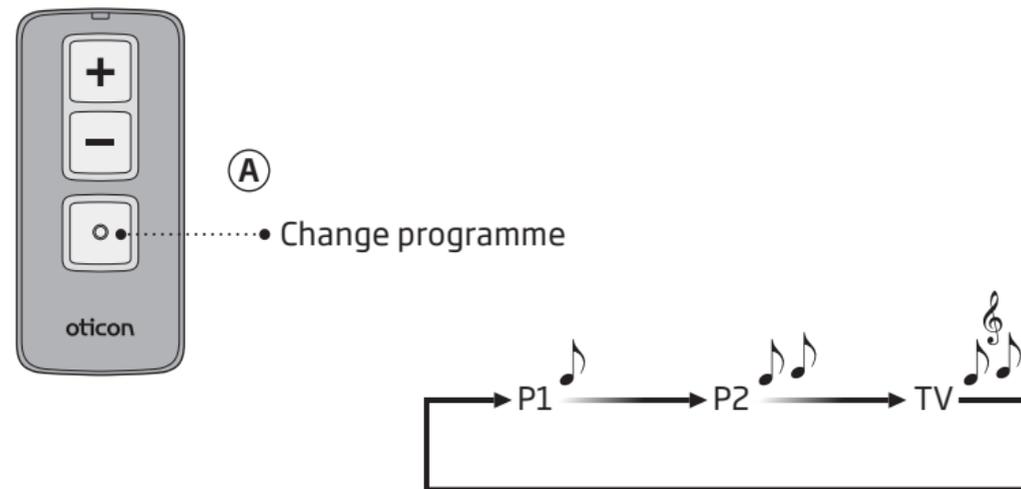
Once a TV Adapter has been paired to your hearing aids it will be available as a programme. To listen to TV simply press the programme selector and change programme (A).

The programme cycle will depend on the programmes already available in your hearing aids.

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

Turn off TV sound using your Remote Control

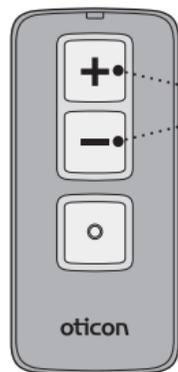
To stop the sound from the TV simply change to the desired programme in your hearing aids.



More information: www.oticon.global/connectivity

Volume control using your Remote Control

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

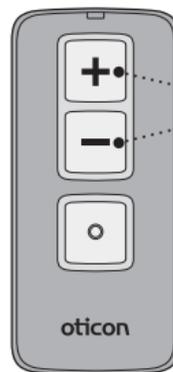


- Adjust the volume by pressing up or down briefly. Repeat the brief press for further adjustments.

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.

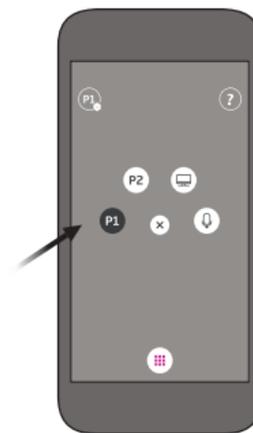


- Once a TV Adapter has been paired to your hearing aids it will be available as a programme in your hearing aids and visible as a source on the Oticon ON App. To listen to TV simply select the TV source from the app.

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Turn off TV sound using the Oticon ON App

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



More information: www.oticon.global/connectivity

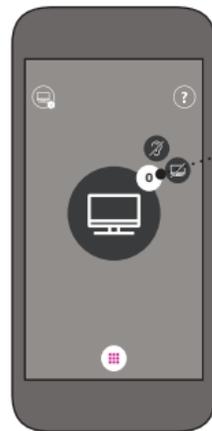
Volume control using the Oticon ON App

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

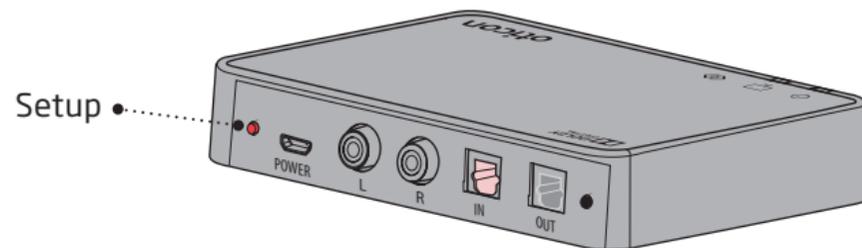
An unlimited number of hearing aid users can listen to the sound from one TV Adapter.

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 familiarise 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 a small part is swallowed, see a doctor immediately.

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, (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 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.

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 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 spectrum, electromagnetic compatibility and human exposure.

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

USA and Canada

This device is certified under:

FCC ID: ZACAHTVA3
IC: 11936A-TVA3

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

Notice:

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.

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.

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.

Australian warranty

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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 unauthorised 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 2014/53/EU.

Declaration of Conformity is available at the manufacturer.



SBO Hearing A/S
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Denmark
www.sbohearing.com

191517AU / 2018.04.12



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



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