

Instructions for use

TV Adapter 2.0



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.

| **About** | [Start-up](#) | [Handling](#) | [Warnings](#) | [More info](#) |

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

Intended use

Intended use	TV Adapter 2.0 is intended to be used together with Oticon wireless hearing aids and Streamer Pro. TV Adapter 2.0 enables the hearing aid user to listen to the TV, by wirelessly sending the TV sound from TV Adapter through Streamer Pro directly to the hearing aid.
Indications for use	No indications for use.
Intended user	Adults and children older than 36 months.
User environment	Indoor.
Contraindications	No contraindications.
Clinical benefits	See clinical benefits of the hearing aid.

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Package content

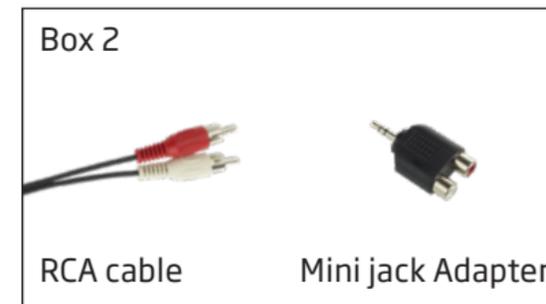
The packaging box consists of the following elements:



TV Adapter 2.0



This booklet (Instructions for use)



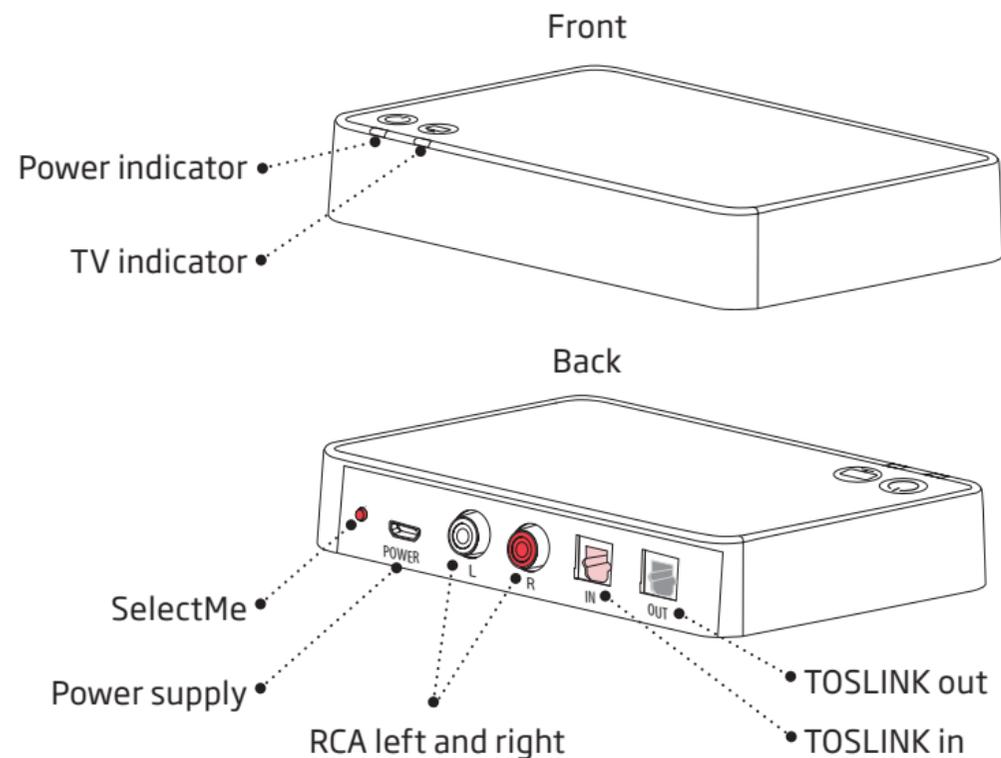
TV Adapter overview

Mode	Power indicator	TV indicator
Power ON, no connection to Streamer Pro		
In pairing mode		
Streaming - no audio input detected		
RCA inserted and streaming		
TOSLINK inserted and streaming (digital)		
TOSLINK inserted and streaming (invalid signal)*		
Fault condition **		

○ No light ◐ Blinking ● Steady

* Try other input connection

** Contact your hearing care professional



For more information please refer to: www.oticon.global/connectline

Installation

Using TV Adapter for the first time

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

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

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

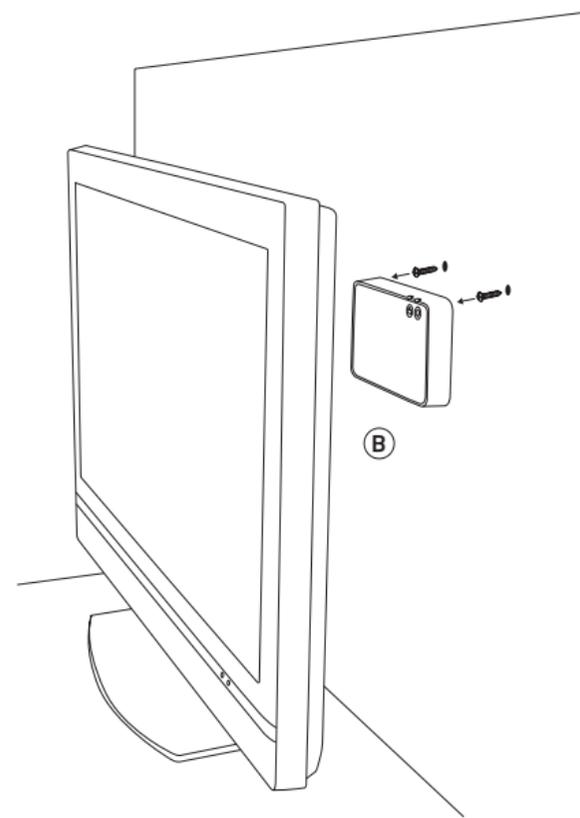
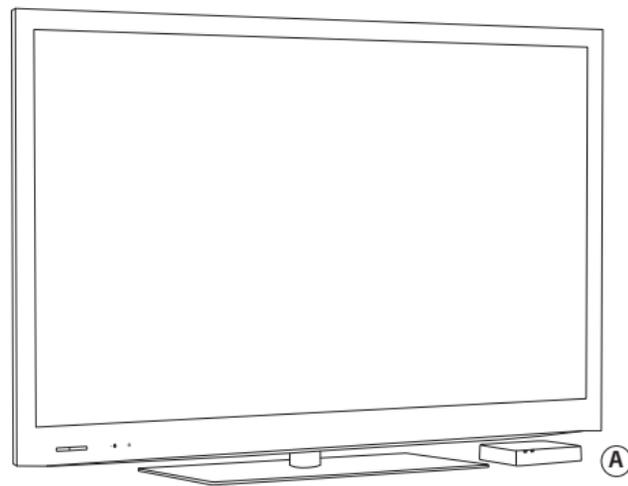
IMPORTANT NOTICE

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

Place your TV Adapter

There are two options of placing TV Adapter:

1. Close to the TV - placed horizontally (A).
2. Behind or close to the TV hanging on the wall (vertically) (screws not included) (B).



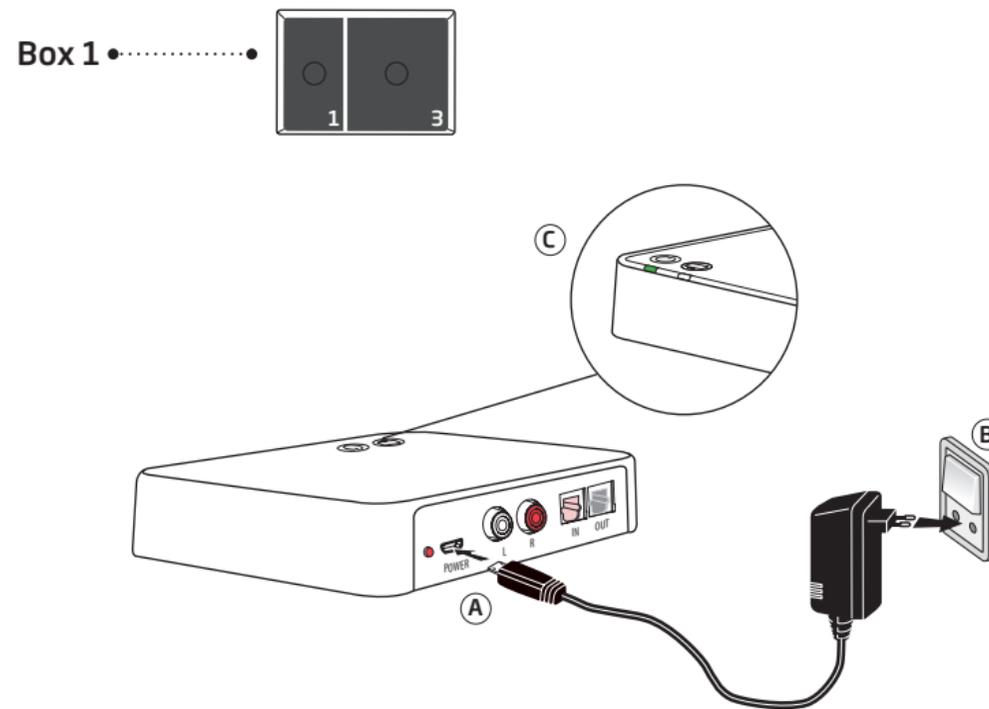
Connect to a power outlet

Use the power supply from box no. 1.

1. Plug the power cord into the “power” connector on TV Adapter (A).
2. Plug the power supply into the mains wall socket (B) and turn on the switch.
3. After a few seconds the power indicator  will light up green on the front of TV Adapter (C).

IMPORTANT NOTICE

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



Connect to the TV

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

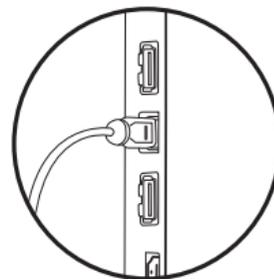
Connection	Page
TOSLINK. Either digital stereo (PCM) or Dolby® Digital *	18
RCA audio output L+R	20
Mini jack audio output (typically headphone output)	22
SCART audio output (L+R)	24

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

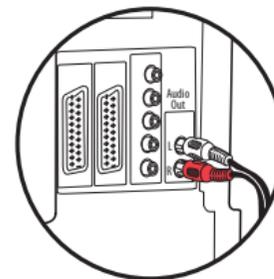
Please refer to the detailed specification of ConnectLine TV Adapter 2.0 (www.oticon.global/connectline) and your TV manual/specifications to ensure compatibility.

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

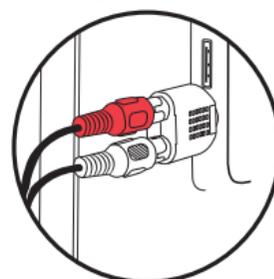
TOSLink (p. 18)



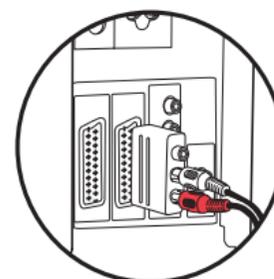
RCA (p. 20)



Mini jack (p. 22)



SCART (p. 24)



For more information please refer to: www.oticon.global/connectline

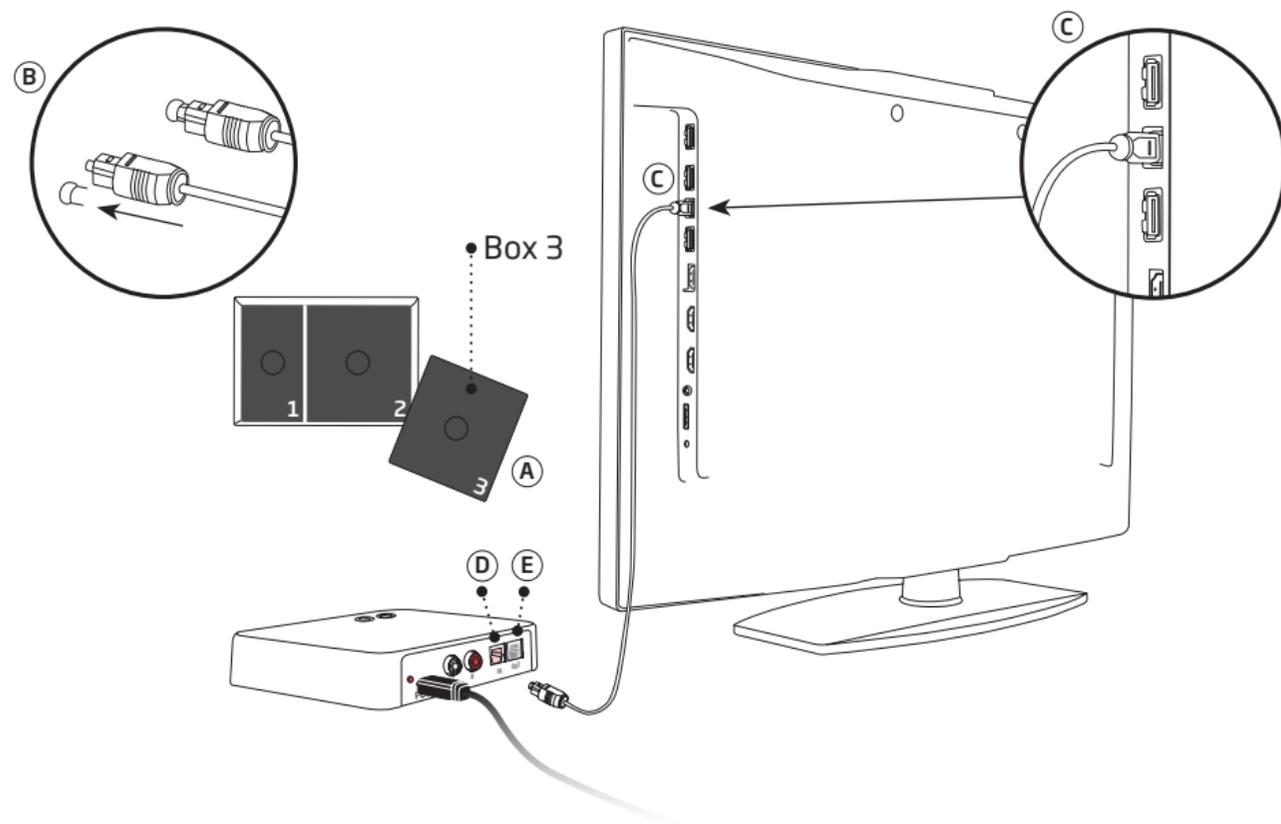
Connect using TOSLINK

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 TV Adapter.
5. The TOSLINK output (E) may be used to connect other TOSLINK devices such as external Dolby® Decoders and surround sound systems, etc.
6. Refer to page 26 to pair Streamer Pro with TV Adapter.

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.

For more advanced or complex installations please refer to the support section on www.oticon.global/connectline



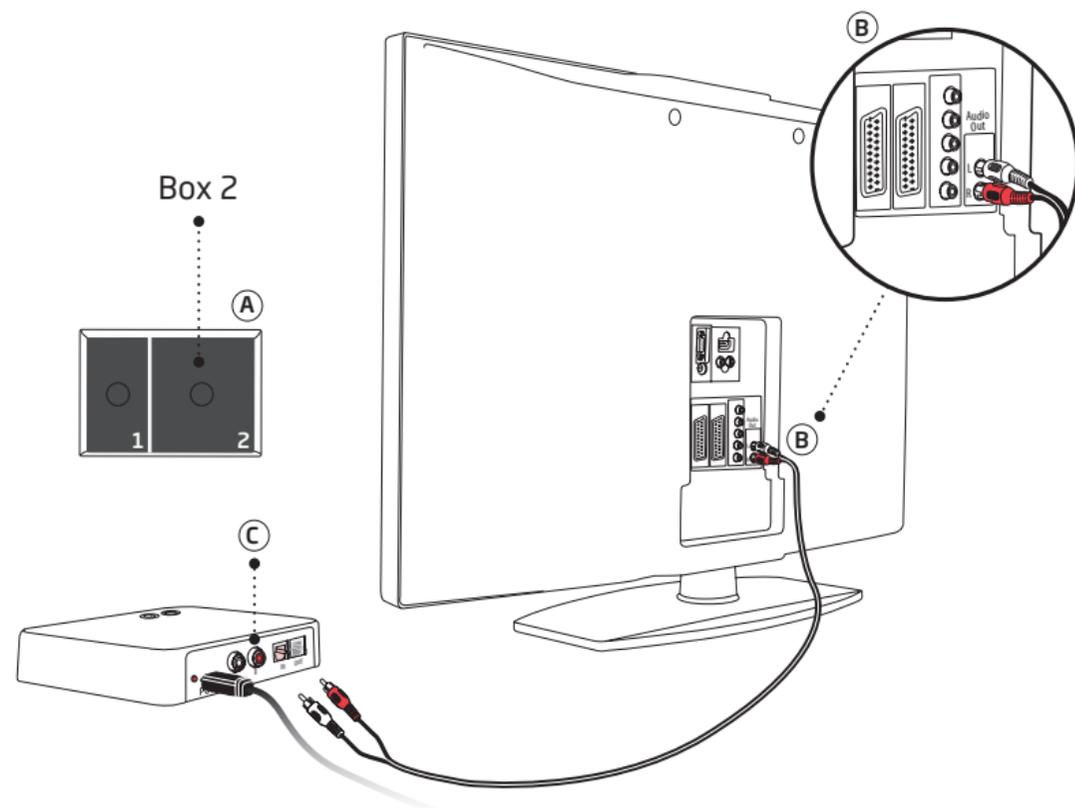
Connect using RCA

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 TV Adapter.
4. Refer to page 26 to pair Streamer Pro with TV Adapter.

Note

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

For more advanced or complex installations please refer to the support section on www.oticon.global/connectline



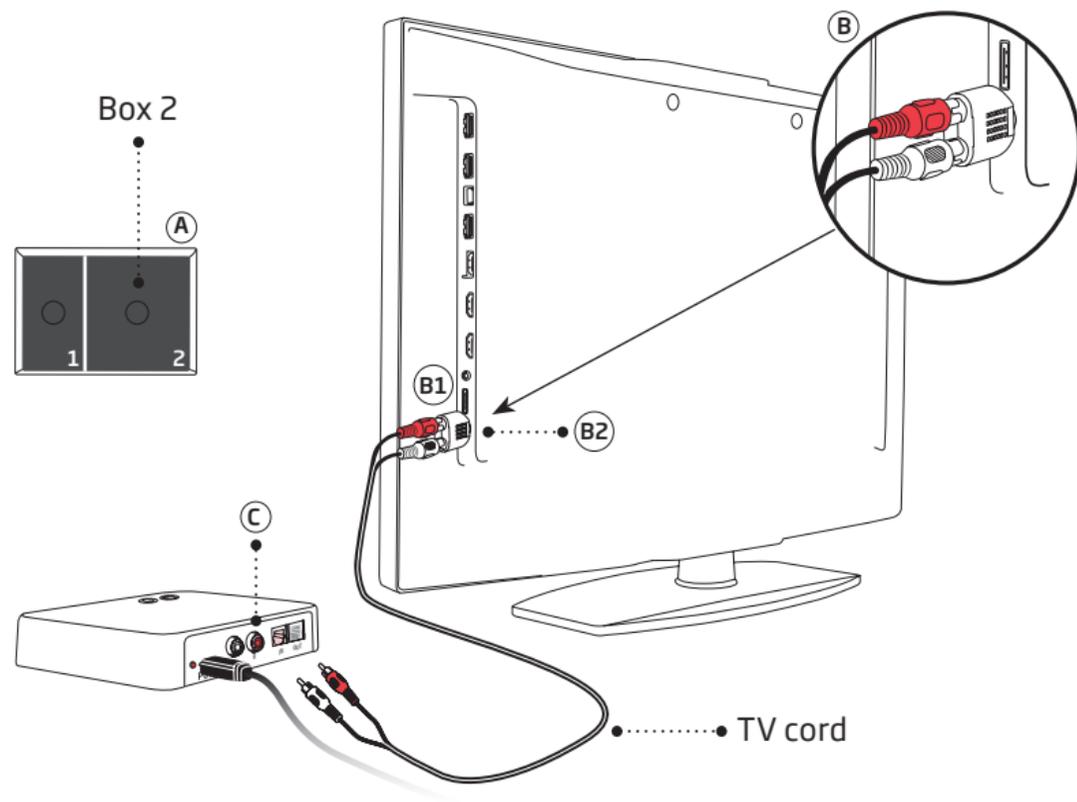
Connect using mini jack adapter

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 26 to pair Streamer Pro with TV Adapter.

Note

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

For more advanced or complex installations please refer to the support section on www.oticon.global/connectline



Connect using SCART

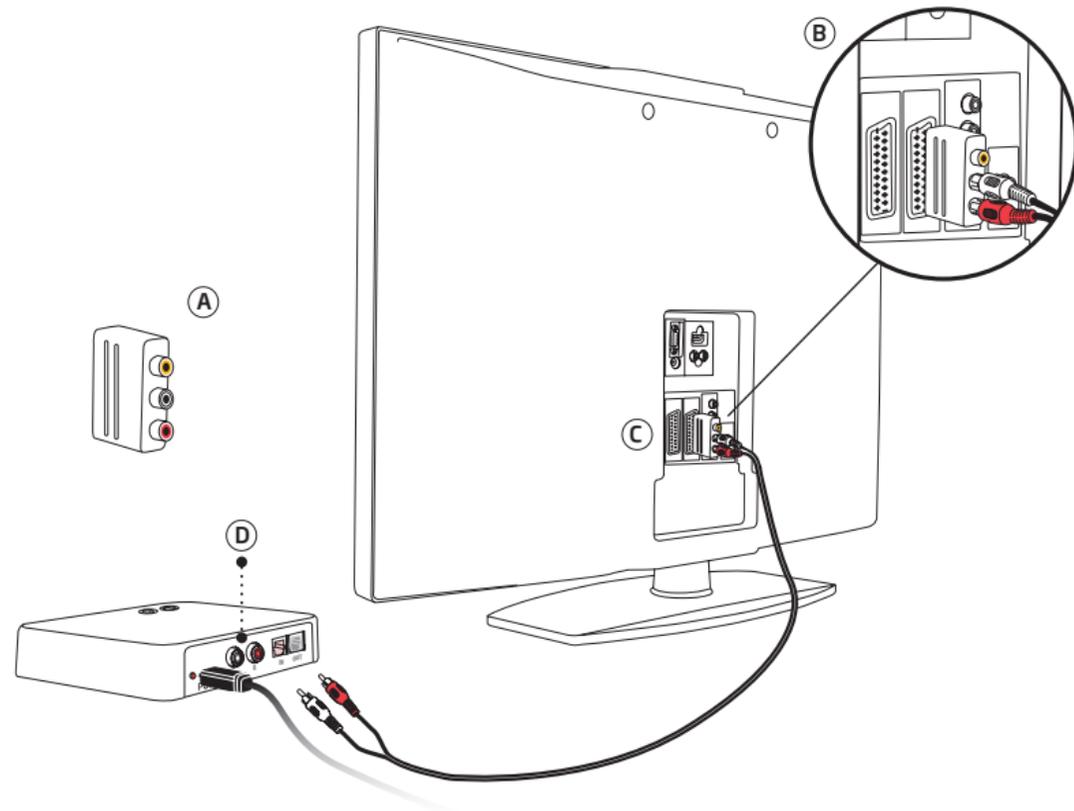
1. Use a SCART Adapter*. (A)
2. Connect the RCA cable to the red and white terminals on the SCART Adapter (B).
3. Connect the SCART Adapter to the SCART output on your TV (C).
4. Connect the RCA connectors to TV Adapter RCA input (D).
5. Refer to page 26 to pair Streamer Pro with TV Adapter.

Note

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

For more advanced or complex installations please refer to the support section on www.oticon.global/connectline

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.



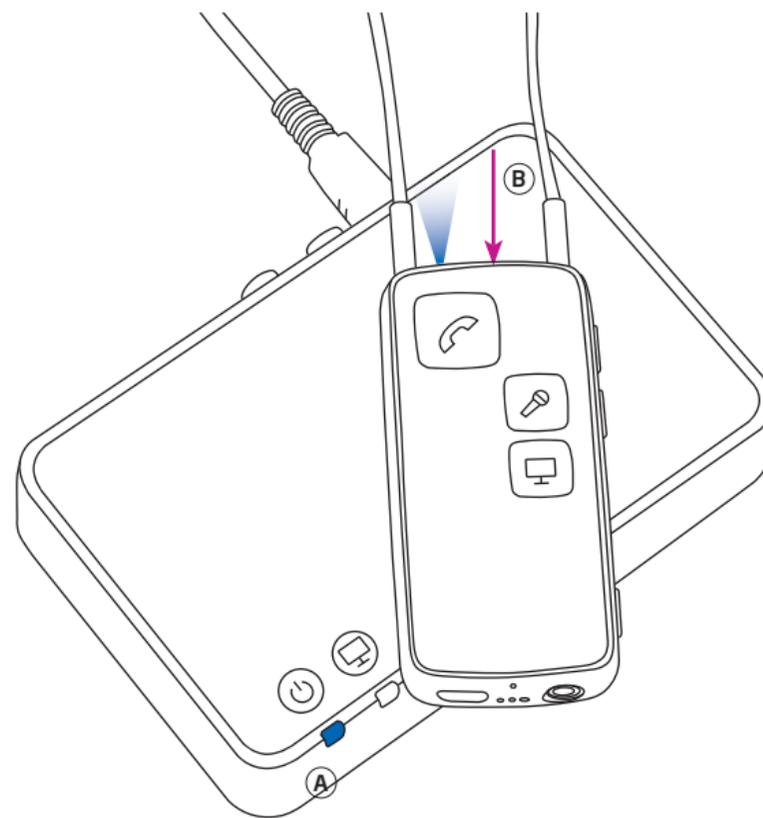
Pair Streamer Pro with TV Adapter

Before using your Streamer Pro for TV listening, it must be paired with your TV Adapter.

For pairing:

1. Make sure TV Adapter is powered on, i.e. the power indicator is steady green.
2. Press and hold the ON/OFF button on Streamer Pro (B) for 5-6 seconds until the blue light starts blinking (A).
3. Place Streamer Pro on top of, or close to, TV Adapter - the pairing takes around 20-60 seconds. TV Adapter will automatically begin pairing.
4. The pairing is completed when the power indicator on TV Adapter and the ON/OFF button on Streamer Pro briefly turns steady blue, followed by orange status.

Pairing is done only once and will normally not have to be repeated.



Pairing			
Streamer Pro top status	Streamer Pro front	TV Adapter	Description
			Streamer Pro and TV Adapter ON
			Streamer Pro in pairing mode
			Pairing complete
			Streaming - no audio input detected
			RCA inserted and streaming
			TOSLINK inserted and streaming (digital)

Steady Blinking

Volume control

Use the volume button on Streamer Pro 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.

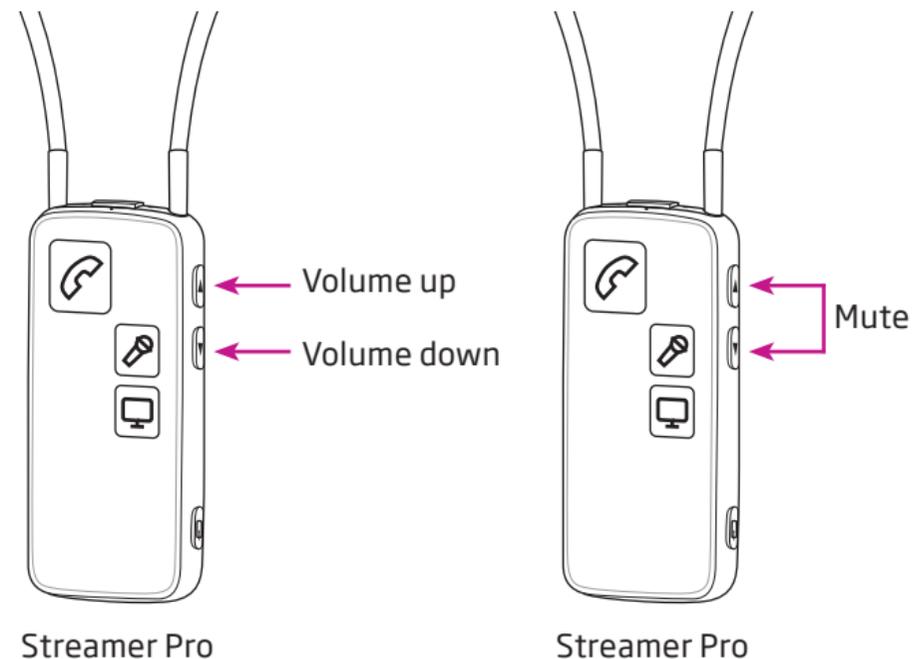
Mute

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

Press both the up and down volume buttons until the surrounding sound is muted. You will hear a confirmation beep indicating that the microphones in the hearing aids are now muted.

Note

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



Start TV listening

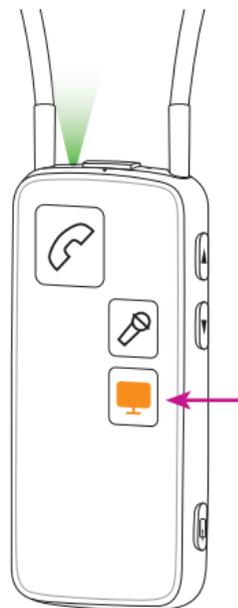
Make sure to wear Streamer Pro around your neck using the neck loop, and make sure Streamer Pro is powered on.

Turn on the TV sound

Briefly press the TV button on the front of Streamer Pro. Streamer Pro connects to TV Adapter. After a few seconds a steady orange light is shown on Streamer Pro and TV Adapter. You will hear a confirmation beep in your hearing aids followed by the sound from the connected TV.

Turn off the TV sound

Briefly press the TV button on the front of Streamer Pro. The orange lights turn off on both Streamer Pro and TV Adapter. You will hear a confirmation beep in your hearing aids.



Pairing			
Streamer Pro top status	Streamer Pro front	TV Adapter	Description
			Streamer Pro and TV Adapter ON
			Streaming - no audio input detected
			RCA inserted and streaming
			TOSLINK inserted and streaming (digital)

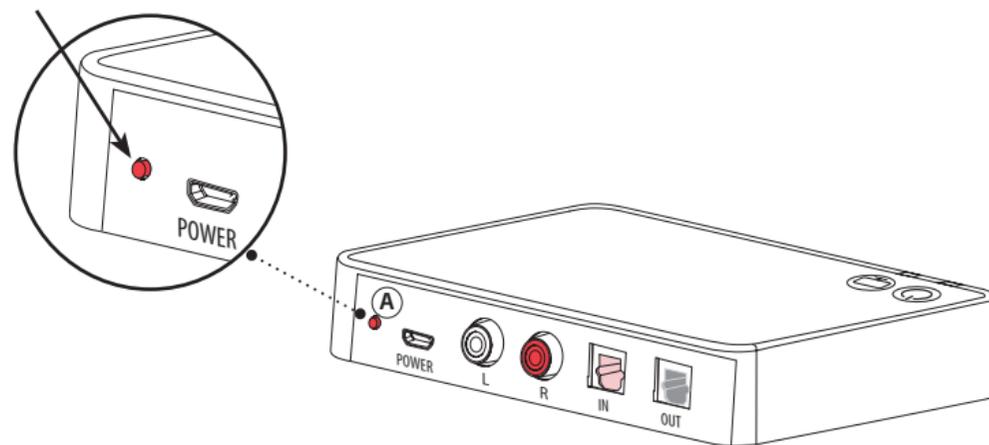


SelectMe, using more than one TV Adapter

With Streamer Pro 1.1 and later you can use multiple TV Adapters. E.g. one in the living room and one in the bedroom.

To switch between TV Adapters:

1. Make sure you are not connected to any TV Adapter, i.e. Streamer Pro should be turned on, but not active.
2. Briefly press the SelectMe button on TV Adapter you wish to hear the sound from (A).
3. TV Adapter is automatically connected. You will hear a confirmation beep in your hearing aids followed by the sound from the connected TV.



Caring for TV Adapter

Use a soft, dry cloth to clean TV Adapter.

IMPORTANT NOTICE

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 familiarise 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 TV Adapter has insufficient energy to cause fire in normal usage conditions.

Interference

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

Connection to external equipment

The safety of the use of 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.

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: +5°C to +40°C Humidity: 15% to 93% relative humidity, 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% relative humidity, non-condensing Atmospheric pressure: 700 hPa to 1060 hPa

Technical information

Model name	BS-F200
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TV Adapter 2.0 contains a radio transceiver using Bluetooth at 2.4 GHz. The radio transmitter is weak and always below 10mW equal to 10 dBm in total radiated power.

TV Adapter complies with international standards concerning radio transmitters, electromagnetic compatibility and human exposure.

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

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

USA and Canada

This device contains a radio module with the following certification ID numbers:

FCC ID: U28TVBOX03

IC: 1350B-TVBOX03

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

Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and

(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.

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:

- Relocate the receiving antenna.
- Increase the distance 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.

International warranty

Your device is covered by an 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 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. 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.

The manufacturer declares that this TV Adapter 2.0 (BS-F200) is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. Declaration of Conformity is available at the manufacturer.



Oticon A/S
Kongebakken 9
DK-2765 Smørum
Denmark
www.oticon.global



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



Complies with
IMDA Standards
DA103820

Description of symbols 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 Directives 90/385/EEC, 93/42/EEC and 98/79/EC.
	CE mark The device complies with Medical Device Directive 93/42/EEC.
	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.
	Indoor use Indicates that the product is qualified for indoor use.

Singapore IMDA label

Complies with
IMDA Standards
DA103820

Indicates that 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.

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.
	Catalogue number Indicates the manufacturer's catalogue number so that the medical device can be identified.
	Serial number Indicates the manufacturer's serial number so that a specific 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.

Description of additional symbols used on labels

	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.
	Korea Certification Mark (KC) The device complies with Korean product safety requirements for electrical and electronic equipment.
	NCC symbol Taiwanese certification for the National Communications Commission (NCC) of communication information equipment.

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