

## Product Information

# TV-A (TV Adapter)

### A fully integrated system

The TV-A connects directly to the user's hearing aids, allowing for hassle-free daily use.

### Ease of use

The TV-A has been developed and thoroughly tested with hearing aid users in mind to ensure optimal ease of use.

### Dolby Digital® and Digital Stereo

The TV-A supports digital sound in two widely used formats: Digital Stereo (PCM) and Dolby® Digital\*. This increases the opportunities for users to benefit from streamed sound from home theater systems and flat panel TVs.

### MultiConnect

The TV-A can be connected to an unlimited number of hearing aids at the same time, allowing for several users to share the same experience.

### Easy pairing

Once hearing aids are in pairing mode and within 30 cm of the TV-A, the TV-A will automatically pair and connect to them.

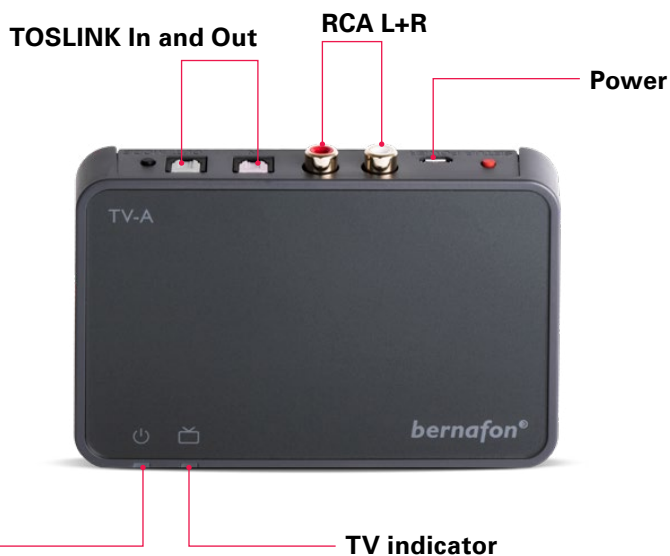
### More information

Please visit [www.bernafon.com/products/accessories](http://www.bernafon.com/products/accessories) for more information about the TV-A.



### TV-A

TV-A enables Bernafon hearing aid users to enjoy the stereo sound from a TV, home entertainment system, radio or other audio source at their preferred sound level streamed directly to their hearing aids. TV-A supports a range of connections, including Digital Stereo and Dolby® Digital\* through optical TOSLINK.



### Included

- Instructions for use
- Power supply
- TV Adapter - black
- TOSLINK optical cable 6.5 feet (2 m)
- RCA to RCA stereo cable
- Minijack 3.5mm to RCA converter

\* Dolby is a registered trademark of Dolby Laboratories.

## Technical data

<b>TV-A</b>	
Model name	TVA3
GTIN	05714464006762
<b>Conditions of use</b>	
Operating conditions	Temperature: +5°C to +40°C (41°F to 104°F) 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 (-13°F to 158°F) Humidity: 15% to 93%, relative humidity, non-condensing Atmospheric pressure: 700 hPa to 1060 hPa
Dimensions	124 x 80 x 21 mm (4.9 x 3.1 x 0.8 inch); weight 107 g
System features	Autopairing: TV-A will automatically pair with hearing aids in pairing mode AutoStream: TV-A will automatically start streaming audio when a valid audio signal is detected MultiConnect: TV-A can connect to an unlimited number of hearing aids
Compatibility	The TV-A works with all versions of Bernafon hearing aids with 2.4 GHz radio technology
Input connectors/format	Mini jack 3.5 mm (L+R) (using included cable and converter) RCA (L+R) TOSLINK Digital Stereo (PCM)/Dolby® Digital
Output	TOSLINK (buffered output of TOSLINK input)
Range	Up to 15 meters (free line of sight from TV-A to hearing aids)
Audio inputs (format)	Stereo analog input (RCA) Stereo/PCM (TOSLINK) Dolby® Digital (TOSLINK)
Latency (TV-A input to hearing aid speaker)	Analog: 25 ms Digital: 28 ms Dolby® Digital: 45 ms
Line input sensitivity	6 dB Vrms (analog), impedance: 10 KΩ
Audio bandwidth	10 kHz/stereo from input to hearing aids
Dynamic self-adjustment	AGC (analogue inputs) (line in approximation to 0 dB 5 secs)
Status indicators	Power and status LED on front
Colors	Dark gray
Power consumption	Idle, not streaming sound: 0.8 W Streaming sound: 1.5 W
<b>Transceiver</b>	
Operating frequency	2.402 GHz – 2.480 GHz (ISM Band)
Number of channels	39
Output power	Max. 17.1 dBm EIRP. In compliance with all relevant standards.
Channel bandwidth	1 MHz/2 MHz
Type of modulation	GFSK/2GFSK
ITU designator	F7E



### Manufacturer

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

### World Headquarters

**Bernafon AG**  
Morgenstrasse 131  
3018 Bern  
Switzerland  
Phone +41 31 998 15 15  
info@bernafon.com  
www.bernafon.com