



### Technical Data

The Digital to Analog Audio Converter, DTC-1D, supports optical digital audio signal input and conversion into analog audio signal L/R output:

- Supports digital LPCM stereo or Dolby Digital 5.1CH audio inputs
- Supports LPCM 2CH audio sampling rates from 32 to 96 kHz (32, 44.1, 48, 88.2 and 96 kHz)
- Supports Dolby Digital 5.1CH audio sampling rates of 48 kHz
- Supports Dolby Digital audio downmixing to 2-channel audio
- Supports S/PDIF bit stream 24-bit of data for the left and right channels

Note: It may be necessary to configure the TV so that the proper audio output is available at the optical output.



## HOW TO CONNECT WIDEX TV-DEX TO A TV WITH DIGITAL AUDIO OUTPUT



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Widex A/S, Nymoellevvej 6, DK-3540 Lyngø

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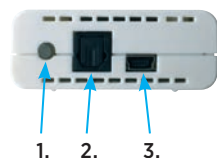
**WIDEX**®

# HOW TO CONNECT WIDEX TV-DEX TO A TV WITH DIGITAL AUDIO OUTPUT

Some TVs only have a Digital Audio Output and cannot connect directly to a Widex TV-DEX. In this case a Digital to Analog Converter has to be connected between the TV and the Widex TV-DEX.

## Package description

1. Dolby/PCM LED Indicator. When the source audio is encoded with Dolby Digital, the LED will illuminate.
2. OPTICAL IN: Connect the Optical input to an Optical digital audio source, such as a HDTV, HiFi stereo or Set-top Box.
3. USB 5V: Power input. Connect to any powered USB port with a Mini-USB cable or connect to a USB AC adaptor (not included).
4. R/L LINE OUT (RCA/Phono connector): Right/Left analog audio output. Connect to the input of Widex TV-DEX.
5. Power LED: The LED will illuminate when connected to power.
6. Optical (TOSLINK) cable.
7. Mini-USB to USB cable (power cable).



## TV-DEX package contents

8. TV-Controller and TV-Base.
9. 3.5 mm jack to phono cable.
10. Mini-USB power supply.



## Connecting the Digital to Analog Audio Converter to the TV

1. Locate the OPTICAL (TOSLINK) DIGITAL AUDIO OUT on the rear of the TV.
2. Connect the Optical Cable (6.) to the TV and to the Digital to Analog converter (2.).  
Note: The Optical Cable is delivered with a small protective cap that has to be removed.



Example of Digital Audio Output socket on TV. The Optical output is normally protected by a hinged cover plate.



3. Connect the output of the Digital to Analog Converter (4.) to the Widex TV-DEX (8.) using the cable (9.) included in the TV-DEX box.
4. Connect the Mini-USB power supply (10.) to the TV-DEX and a wall socket.
5. Connect the Mini-USB to USB cable (7.) to the USB 5V power terminal (3.) on the Digital to Analog Converter and to a USB terminal on the TV.  
Note: Alternatively, a standard USB power supply can be used for power to the Digital to Analog Converter (not included).

## Connection diagram

(numbers refer to the five steps above)

