This product may be purchased from Connevans Limited secure online store at www.DeafEquipment.co.uk

TelCom

PHONAK

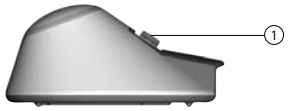
CE 0681 !

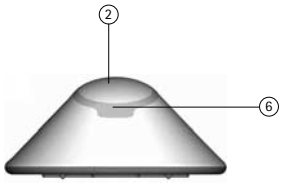
FM

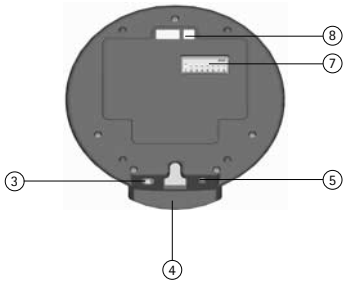
With TelCom, a new multi-function FM system, Phonak offers hearing instrument users unprecedented convenience for watching TV, making phone calls and listening to music. If connected to the audio output of the TV set and to the telephone jack, TelCom clearly transmits the TV audio signal to the FM receiver of the user's hearing instrument and also transmits the ringing of the telephone. When the handset is picked up, TelCom automatically mutes the transmitted TV audio signal so that the caller can be clearly understood thanks to FM sound quality.

Description

① Main switch (on/off)
② Telephone switch
③ Audio socket
④ Telephone socket
⑤ 9 V AC socket
⑥ Status Indicator
⑦ Dip switches for channel selection
⑧ Band label







TelCom features

- The audio signal level:
  - automatically switches off when telephone is answered
  - automatically returns when the telephone is hung-up
- Phonak high-tech design
- Fully automatic operation
- Ready for use 24 hours a day, 7 days a week
- Flexibility through individual frequency selection within each band
- Direct link to FM receivers (Phonak or other) using the same frequency
- Sound from audio equipment, voices over the telephone, and even the telephone ringing signal transmitted through FM

How to prepare TelCom for operation

1 Check the band on the band-sticker at the bottom of the TelCom housing
2 Choose the channel you need from the Channel Selection List
3 Adjust the dip switches on the bottom of the housing (Picture A) using the green Phonak screwdriver
4 Check the FM transmission with the appropriate receivers
5 Note the channel you have chosen with a waterproof pen next to "channel" on the label [Picture B]
6 Stick the label onto the bottom of the TelCom housing [Picture C]
7 The TelCom is now ready to be installed by your customer

The Channel Selection List should not be given to the customer

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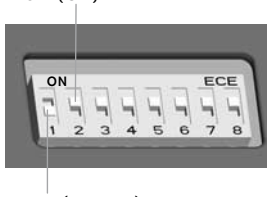

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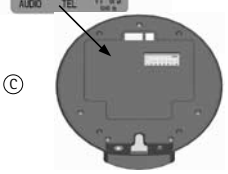
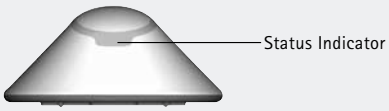


Product Information TelCom

Status Indicator

Colour	Status
No colour	Main switch off
Green	Standby, no signal transmitting
Green + red	Standby, no signal transmitting, telephone signal switched off
Yellow	Active, audio or telephone signal transmitting
Yellow + red	Active, audio signal transmitting, telephone signal switched off



General data

Type:	Stationary FM transmitter
Diameter:	102 mm
Height:	47 mm
Weight:	100 g
Operating temperature range:	0–40 °C
Humidity:	20–75 %

HF-Part

Frequency range:	173–185 MHz (Band H) 185–201 MHz (Band J) 201–217 MHz (Band N)
Frequency:	Integrated frequency synthesizer Frequency adjustable within each band
Frequency stability:	Better than +/– 1 kHz
Modulation:	FM (narrow band) Max. frequency deviation $\Delta f < 8$ kHz
Antenna:	Integrated
Operating range:	7–15 m
Spurious emission:	≤ 54 dBm ERP (ETS 300-422)
Signal-to-noise ratio:	≥ 45 dB ($\Delta f < 3$ kHz)

Audio-Part

Telephone input:	Telephone speech channel bandwith is 4 kHz Active: If the telephone is picked up Inactive: If the telephone is hung-up
Audio input:	Bandwidth: 100–10 000 Hz Audio signal > 40 mV and < 2 V Impedance ≥ 1 kΩ Active: Automatically (VOX) if audio signal detected Inactive: 30 s after the last audio signal has been sent

Power supply

Type:	AC Adapter EN 60950 (Europe) and UL 1950 (USA) compliance
Primary voltage:	110–240 V AC
Secondary voltage:	9 V AC / 200–300 mA
Jack:	Walkman type Internal diameter = 1.3 mm External diameter = 3.5 mm

Cables

Telephone cable:	Length 5 m US modem plugs at each end
Audio cable:	Length 3 m Stereo jack 3.5 mm connector at each end
Telephone double connector (splitter):	1 local jack 1 local socket and 1 US modem socket

Compatible telephones

- Analog telephones
- Cordless telephones on a Public Switch Telephone Network (PSTN) connection
- Analog line of ISDN connections

Standards

The TelCom corresponds to the standards ETS 300–422, ETS 300–445, EN 60950 and EN 55022 class B including all necessary annexes.