

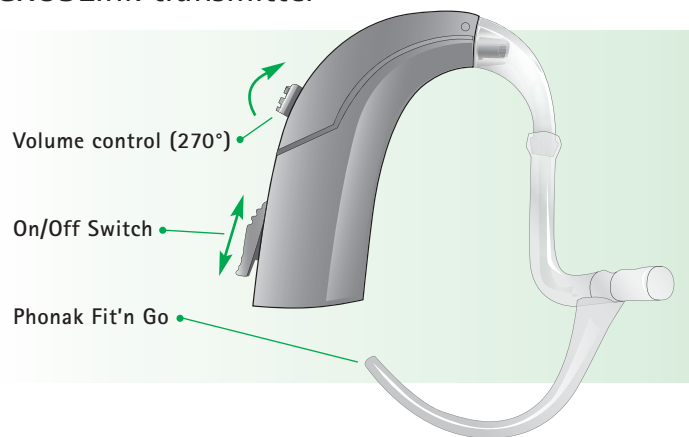
CROSLink™



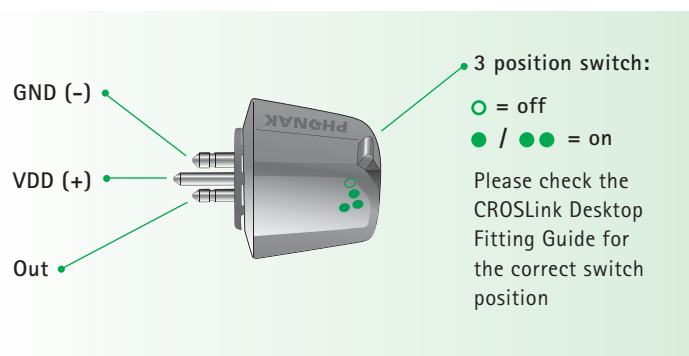
Phonak CROSLink provides a wireless and universal solution to those who have a hearing loss in one ear that cannot benefit from a hearing instrument. CROSLink brings the sound across to the better ear, and therefore reduces head shadow effect and restores multi-directional reception of sounds. CROSLink is universal, which means it works with most BTE hearing instruments including those from other manufacturers.

The CROSLink consist of a transmitter, which picks up the sound with an omni directional microphone, and transfers it via a 374 kHz AM signal to the CROSLink receiver attached to the audio shoe/hearing instrument on the better ear. CROSLink can be used for CROS and BiCROS fittings.

CROSLink transmitter



CROSLink receiver



Features:

CROSLink system (transmitter and receiver):

- **Universal:**
Compatible with BTE instruments from more than 30 manufacturers
- **Wireless:**
Reliable performance without an annoying cable
- **Cosmetically appealing:**
Compact design of the receiver and transmitter
- **Versatile:**
Ideal for BiCROS and CROS fittings
- **Easy to fit:**
Just clip and go!
- **Functional:**
Volume control and detachable receiver

Technical Data

CROSLink Transmitter:

Housing:

Similar to Perseo 311

Power Supply:

Zinc Air Battery Type 13 (1.2 V)

Power Consumption:

I=1.7 mA (>100 hours battery life)

Field Strength:

H = 23 dB μ A/m @1 m

H = -37 dB μ A/m @10 m

Carrier Frequency:

374 kHz

Modulation:

AM (50% modulation when input level over AGC Knee-point)

AGC-Knee-point:

72 dB SPL

CROSLink Receiver:

Housing:

Similar to MLxS

Power Supply:

From hearing instrument (1.2 V)

Power Consumption:

I=0.17 mA

Receiving Frequency:

374 kHz

Modulation:

AM

Output level CRX:

Position BiCROS: $U_{out} = 4.0 \text{ mV}_{rms}/Z_{out} = 330 \text{ ohm}$

Position BiCROS+MIC: $U_{out} = 40.0 \text{ mV}_{rms}/Z_{out} = 39 \text{ kohm}$

(Transmitter placed at 16.5 cm distance,
input signal 80 dB SPL volume control of transmitter in max position)

Compatibility:

Pin and electrically compatible with MLxS input of hearing instruments

Technical Data

CROSLink system (transmitter and receiver):

Frequency Response:

250 Hz to 4 kHz

Application Range (Ear to ear distance):

12 cm to 20 cm, typical 16.5 cm
(reference for measurements)

Signal To Noise Ratio (SNR):

> 45 dB (input signal 80 dB SPL)

Equivalent Noise at the CTX Mic input:

27 dB SPL measured with Phonak Supero 411

Total Harmonic Distortion (THD):

< 5%

Homologation:

USA: FCC Rule CFR 47, Part 15, Subpart C

Canada: RSS210 Issue 5

Europe: where authorized,

– EN300 330-2

– EN301 489-9 (Wireless microphone, emc)