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.

**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
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)

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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 µA/m @1 m  
H = -37 dB µA/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: \( U_{\text{out}} = 4.0 \text{ mV}_{\text{rms}} / Z_{\text{out}} = 330 \text{ ohm} \)
Position BiCROS+MIC: \( U_{\text{out}} = 40.0 \text{ mV}_{\text{rms}} / Z_{\text{out}} = 39 \text{ kohm} \)
(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