

# Oticon | ConnectLine

## PRODUCT INFORMATION OTICON CONNECTLINE STREAMER PRO

*The Streamer is the gateway to the ConnectLine system. ConnectLine empowers today's Oticon hearing instrument users to participate and interact in a number of everyday situations which are at best difficult and at worst impossible, even with the best hearing instruments. The system includes dedicated solutions for watching TV, landline phone (domestic) use and a Partner/Companion Microphone. The Streamer also supports Bluetooth for mobile phone headset functionality, etc.*

### A fully integrated system

With ConnectLine the user is in control of the system, not the other way around. Advanced features such as AutoPriority and AutoConnect ensure that the user for example can hear and answer a phone call while watching TV.

### Tested usability

The Streamer has been developed and thoroughly tested with hearing instruments users in mind<sup>1</sup>.

### Headphone for music

Audio can be transmitted directly and securely to both hearing instruments from, for example, an MP3 player using either a cable (included) or wireless (using Bluetooth).

### Headset for mobile phones

The Streamer can be paired with most mobile phones<sup>2</sup>, in effect turning the hearing instruments into a high quality headset, thanks to the built-in microphone in the top of the Streamer.

### Telecoil

There are built-in telecoil for users with hearing instruments without telecoil, or for users who find it more convenient to use the Streamer's telecoil.

### ConnectLine Phone

A dedicated solution for home phone use. In effect turning the Streamer and the hearing instruments into a wireless headset.

### ConnectLine TV

A dedicated solution for watching TV with high sound quality, thanks to direct streaming of the sound from the TV to the hearing instruments.

### ConnectLine Microphone

A small discreet clip-on microphone which improve the SnR substantially for the hearing instrument user when used in difficult & noisy situations.

### PC/VoIP - plug and play

Using the enclosed cable, the Streamer can be connected directly to a computer for headset functionality.

### FM input

The Streamer has a socket to support the use of FM receivers. Please refer to [www.oticon.com](http://www.oticon.com) for more details.



#### References:

1. "Usability test of Oticon ConnectLine Streamer v3 Prototype" written by DialogDesign (<http://www.DialogDesign.dk> www.DialogDesign.dk), 15 June 2011, 14 October 2011 and 7 December 2011.
2. Please refer to [www.oticon.com](http://www.oticon.com) for an up-to-date list of compatible phones



## People First

People First is our promise to empower people to communicate freely, interact naturally and participate actively

[www.oticon.com](http://www.oticon.com)

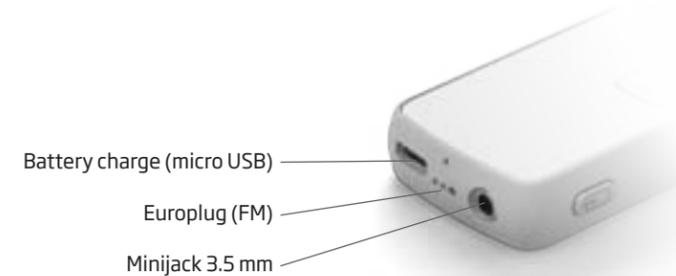


## PRODUCT OVERVIEW

### Included

- Neck loop (long and medium)<sup>3</sup>
- Power adapter for charging
- Protective silicone skin
- PC/Audio interface cable kit

3. NOTE! The neck loop is an integral part of the system, and should always be used for best possible performance.



Technical data (firmware release 1.0)	
Compatibility	All wireless (nearlink enabled) Oticon hearing instruments (from Epoq, 2007) Genie 2013.1 or later for streamer configuration
Dimensions	13 x 40 x 85 mm; weight 44 g (without neck loop)
ConnectLine system features	AutoConnect (the Streamer will automatically connect to devices when in range) AutoPriority (the Streamer will prioritize phone calls)
Dedicated ConnectLine solutions	ConnectLine Microphone (requires additional equipment) ConnectLine Phone 1.0 and 2.0 (requires additional equipment) ConnectLine TV (requires additional equipment)
Other connectivity solutions	Analogue input (3.5 mm minijack) Analogue output (3.5 mm minijack), for PC headset interface (VoIP/Skype). Mobile phone headset (Bluetooth handsfree or headset profile) Streaming/wireless music (Bluetooth A2DP) FM input (Europlug) Telecoil (built-in)
Remote control of HI	Volume, program shift and mute <sup>4</sup> of hearing instruments microphones.
Battery <sup>5</sup>	Typical daily use <b>10</b> hours: <b>6</b> hours TV streaming + <b>2</b> hours phone/other + <b>2</b> hours standby (from <b>X</b> % to <b>YY</b> % capacity) <b>60</b> h stand-by (Turned on, no Streaming) Charge time <b>2</b> hours (from <b>X</b> % to <b>YY</b> % capacity) <b>6</b> months when remote only (from <b>X</b> % to <b>yy</b> % capacity) Battery total life expectancy <b>XX</b> % capacity left after <b>720</b> charge/re-charge cycles This translates to minimum two years of typical usage
Minijack input sensitivity	Max 2Vrms (analogue), impedance: 10 KΩ
Audio Quality <sup>6</sup>	Mono / 20 kHz sample frq
Audio Bandwidth <sup>6</sup>	80 Hz - 10 kHz (A2DP/line-in)
Pairing details	Up 8 paired devices Up to five active wireless devices supported at once (2 phones, 1 TV adapter, 1 microphone and 1 A2DP). Only one source can be listened to at once.
Bluetooth compliance	Ver. 2.1 + EDR
Bluetooth profile support	Advanced Audio Distribution Profile (A2DP) 1.2 Head Set Profile (HSP) 1.2 Hands Free Profile (HFP) 1.6
Dual microphone noise reduction	The Streamer has two microphones. This enables suppression of surrounding noise - in the signal sent to the person the hearing instrument user is talking to.

Wireless range <sup>7</sup>	10 metres with Bluetooth Class 2 up to 30 metres with ConnectLine Phone adapter 2.0 up to 15 metres with ConnectLine Microphone
EarStream range	0.5 meter nominal. Neck loop should be used for best possible performance.
Signalling range	Incoming call alerts and remote control commands up to <b>X</b> metres.
Streaming frequency	3.84 MHz
Status indications	LEDs on the Streamer. Acoustic signals in hearing instruments.
Emissions	Max. <b>-15</b> dBμA / <b>10</b> metres in compliance with all relevant standards
Operating humidity	< 85% relative humidity
Operating temperature	10-45 °C
Storage temperature	-20-70 °C
Customisation of the Streamer	Using the Genie fitting SW (2013.1 or later), a number of features can be configured.  <b>General</b> Dedicated Streamer - a TV-only, Phone-only or Microphone-only Streamer. Disable VC, PGR shift and Mute of HIs - when not streaming.  <b>Mobile phones</b> Disable reject call, enable last number re-dial, enable voice dial, select different ringtone for mobile, all selection buttons answer call.  <b>Other features</b> Disable headset auto-start (per default streaming will start when jack inserted).  Enable incoming A2DP alerts (get text/SMS notifications).
Genie 2013.1 (or later)	Two Streamers can be connected to one set of hearing instruments. Please note that functionality and fine-tuning of ConnectLine programs will differ between different Oticon hearing instruments.
Spareparts/accessories	Charge base/cradle black or white Belt clip Protective skins Neck loops black or white (long, medium & short)

### References:

4. Oticon Alta or later
5. Using neck loop and using the supplied charger
6. Actual audio performance depending on client's hearing instruments
7. Free line of sight between the Streamer and other device