

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



DeafEquipment.co.uk

Solutions to improve the quality of life



ML9i

Technical Data



ML9i features

- Dynamic FM
- AutoConnect
- Automatic Frequency Synchronization (AFS) with WallPilot
- Direct frequency Synchronization with the **inspiro** or any other Phonak FM transmitter
- Intelligent stand-by mode to save power when the transmitter is switched off
- Fully programmable with FM SuccessWare 4.1 or higher
- Compatible to Exélia, Savia Art, Savia, Eleva, eXtra, Una, Verve and future Phonak BTE's

ML9i is a very attractive design-integrated Dynamic FM receiver which fits to most Phonak BTEs. ML9i can easily be attached and removed by the professional and the user. It is available in a variety of different colors.

ML9i is the design-integrated universal receiver for Phonak BTEs.



Relevant internet pages

Your online comprehensive FM support tool for schools
www.eSchoolDesk.com

Latest set-up tips for FM systems in combination with hearing instruments and Cochlear implants.
www.phonak.com/FM_Configurator

Your online FM knowledge base
www.FMELibrary.com

Your online FM counseling support tool
www.FMCounselWare.com

ML9i

Technical Data

General data

Type:	Dynamic FM receiver
Length:	11 mm
Width:	7 mm
Height:	10 mm
Weight:	1.0 g
Operating temperature range:	-10°C - +60°C

HF characteristics

Frequency range:	169 - 176 MHz (H-band) 214 - 220 MHz (N-band)
Frequency:	Multi-channel, quartz stabilized
Frequency stability:	Better than +/-10ppm
Modulation:	FM (narrow band) Max. frequency deviation $\Delta f = 8$ kHz
Antenna:	Ear level FM antenna
Spurious emissions (EMC):	- 57 dBm ERP
Sensitivity at $E = 3$ mV/m:	SINAD ≥ 15 dB
Selectivity at $\Delta f_{RX} = \pm 125$ kHz:	> 50 dB

Audio characteristics

Audio bandwidth:	100 - 6000 Hz
Distortion (THD):	< 2 % Full quieting FM $f_{mod} = 1$ kHz $\Delta f = 5$ kHz
Audio signal output:	-40 to -70 dBV at $f_{mod} = 1$ kHz $\Delta f = 4$ kHz

Power management

Power supply	Supplied by the HI battery	
Voltage range (extreme)	0.9 to 1.6 V	
Current drain:	Active mode	< 3 mA
	Sleep mode	< 510 μ A

Standards

Radiocom:	EN 300.422
EMC:	EN 301.489
	FCC

Dynamic FM System data

Adaptive FM Advantage (AFMA): (Ambient noise level ≥ 73 dB SPL)	
Dynamic FM advantage over the Hearing instrument:	25 dB
Dynamic FM advantage over a traditional FM system:	15 dB

Voice Activity Detection (VAD):

Attack time:	5 ms
Hold-on time:	5 seconds
Release time:	2 seconds
Voice off attenuation:	-26 dB

Wireless sub-audio datalink:

Frequency range:	Above the audio band
Operating range:	as FM operating range

Wireless programming and monitoring:

OOK Link:	Frequency 8.192 kHz / Data rate 1024 Bit/s Link from the inspiro to the receivers
FSK Link:	Frequency 40.96 kHz / Data rate 1000 - 2000 Bit/s Link from the receivers to the inspiro
Operating range:	20 cm / 8 inches

AutoConnect*:

Covered hearing instrument impedance:	1.0 k Ω - 20.0 k Ω
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MultiTalker Network**:

Digital network for up to 10 inspiro transmitters
Frequency: 2.4 GHz / Data rate 2 MBits/s
Operating range between the inspiro transmitters: 8m

* Also available if Dynamic FM receivers are not used with **inspiro**.

** Also available if **inspiro** is not used with Dynamic FM receivers.