

ML11S for Phonak SuperPower BTEs

Technical Data



ML11S features

- Classic FM
- Durable
- WaterResistant as is the Naída SuperPower
- Automatic Frequency Synchronization (AFS) with WallPilot
- Direct Frequency Synchronization (DFS) 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 4.4 or higher

ML11S is the tiny, design-integrated Classic FM receiver for all Phonak SuperPower hearing instruments featuring a 13 battery. ML11S, attached to Naída is WaterResistant. The hearing care professional can attach or remove an ML11S easily with just one pin.

ML11S for Naída, Milo, Milo Plus and OK! Plus: together they form a powerful communication solution for power users.



ML11S

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

ML11S for Naída and Milo SuperPower:

General data

Type:	Classic FM receiver
Length:	12 mm
Width:	9 mm
Height (connected to HI):	8 mm
Weight:	1.0 g
Operating temperature range:	-10°C - +60°C

HF characteristics

Frequency range:	169.4 - 176 MHz (H-band) 214 - 220 MHz (N-band)
Frequency:	Multi-channel, quartz stabilized
Frequency stability:	Better than +/-10ppm
Modulation:	FM (narrow band)
Antenna:	Ear level FM antenna
Spurious emissions (EMC):	< - 57 dBm ERP
Sensitivity at E = 3mV/m:	SINAD ≥ 15 dB
Selectivity at $\Delta f_{RX} = \pm 125\text{kHz}$:	> 50 dB

Audio characteristics

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

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 μA

Standards

Radiocom:	EN 300.422
EMC:	EN 301.489 CFR 47, part 15B