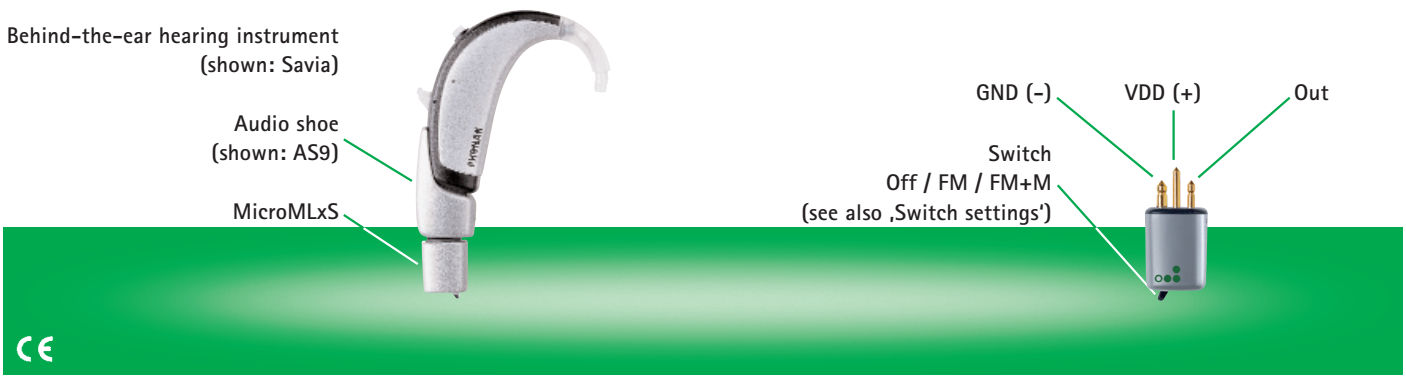
Product-Information

MicroMLxS



After MLx and MLxS, the MicroMLxS radio receiver represents the third generation of the successful universal radio receivers from Phonak. It is compatible with all Phonak transmitters, WallPilot, virtually all behind-the-ear hearing instruments, Cochlear implant speech processors and Baha systems.

MicroMLxS is by far the smallest universal FM receiver. It includes features such as multi-frequency, digital frequency synchronization, automatic power save (sleep mode) and a revolutionary antenna design which makes the orientation of the pins unnecessary. MicroMLxS is the first radio receiver using 'Smart Noise Blocker' technology, a feature which improves sound quality and listening comfort by suppressing environmental noise when the person using the transmitter is not talking but the transmitter is still on.

MicroMLxS is recommended for babies, children, teenagers and adults.

Special features

- By far the the smallest receiver in the market.
- Compatible with virtually all behind-the-ear hearing instruments, Cochlear implant speech processors and Baha systems.
- Smart Noise Blocker technology to improve sound quality and listening comfort.
- Revolutionary antenna concept which makes the pin orientation unnecessary.
- Multi-frequency with digital frequency synthesizer.
- Automatic frequency synchronization (AFS) with WallPilot.
- Direct frequency synchronization (DFS) with Campus SX or any other Phonak transmitter.
- Intelligent stand-by mode to save power when the transmitter is switched off.
- Mechanical switch for Off/FM/FM+M.

Switch settings

- For hearing instruments featuring a designated programmable audio input (DPAI) it is recommended to use the MicroMLxS in the switch position •.
- For hearing instruments which do not feature DPAI, the switch position • means 'FM only' and the switch position ⁘ means 'FM+M'.

Technical Data

Dimensions (L x W x H):	9 x 9 x 12mm
Weight:	1.205 g
Frequency range:	169.4 - 176.000 MHz (HA band) 214.000 - 220.000 MHz (NB band)
Frequency:	Multi-channel, quartz-stabilized
Frequency stability:	Bettern than ±10 ppm over the whole voltage and temerature range
Frequency fine tuning (AFC):	± 6 kHz
Type of modulation:	FM
Sensitivity:	SINAD ≥15dB @ E = 3 mV/m
Channel selectivity:	≥50 dB (at 200 kHz channel spacing)
Antenna:	Isotropic ear-level FM antenna
Spurious emissions:	below -57 dBm ERP
Power supply:	supplied by the HI battery
Voltage range :	0.9 - 1.6 V (extreme)
Current drain:	Active mode 2.3 mA (1.2 V) Standby mode <200 µA (1.2V)
Audio signal frequency range:	100 Hz - 7500 Hz
Audio signal output:	-40 dBV to -70 dBV; at f_{MOD} = 1 kHz, Δf_{DEV} = 4 kHz
Total harmonic distortion:	≤2% (depends on the volume setting)
Operating temperature range:	-10°C to +60°C (extreme)

Relevant internet pages

www.phonak.com/fm_configurator
www.eschooldesk.com

PHONAK
hearing systems