



Technical Specifications

Operation Critical Wireless Earpiece PMLN7851A

RF

Bluetooth Bluetooth 4.2 LE

Acoustics

Microphone Type: Omni directional
 Sensitivity: -44dBV +/-4dBV/Pa, at 1 kHz, 94dB SPL source, at mouth reference point
 Speaker Diameter: 15mm
 Output Power: 0.3W Nominal
 Output Level: 95+/-4dB SPL, 300-3KHz
 Frequency Response: 300Hz – 3000Hz
 Distortion (THD): <5 % max at (300 - 3KHz at 0.5W)
 Maximum Output Level: 112+/-4dB(A)SPL
 Acoustic Feedback Distance: 35 feet typical, outdoors
 Voice activation (VOX): No
 Hot Microphone feature: Supported through radio software configuration
 Noise Canceling: Yes
 Wideband audio: Supported (depending on host)

Earpiece Body Specifications

Dimensions: 107 mm (W) x 72 mm (H) x 26 mm (D)
 Weight: 23 Grams
 Case Material: Front housing : LEXAN 141R-701 Polycarbonate
 Back housing : Plastic housing : LEXAN 141R-701 Polycarbonate
 Soft material : TPE-63A

Controls

Push to talk (PTT): PTT paddle activated via switch
 MFB Button: Multi functional Button
 Volume up down button: Localized volume up down

Power

Power Source: internal battery

Talk Time

Talk time: 8 hours (5/5/90)

Standby Time

LTE mode: 70 hours
 LMR mode: 35 hours

Last Modified 26/10/2018 – Specifications are subject to change without notice. Please contact your Motorola Solutions representative for more information.



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Charging Time

Charge time:	2 hours
Product storage life:	12 months @ 30% State Of Charge

Environmental Specifications

Operating Temperature:	-20°C to +60°C
Storage Temperature:	-40°C to +80°C
Thermal shock:	-40°C to +80°C, MIL810F Method 503.5
Humidity:	90% - 95% Relative Humidity at +50°C for 8 hours
Salt/Fog:	MIL810F Method 509.4 Procedure 1
Loose Cargo Vibration:	20Hz, 2.0mm Amplitude
Drop Shock:	MIL810F Method 516.6 Procedure IV, height 4 feet

Regulatory

EMC:	EN301 489-1,5 - EN302 561, EN 301 489 - 1, 18
EME:	171001AD

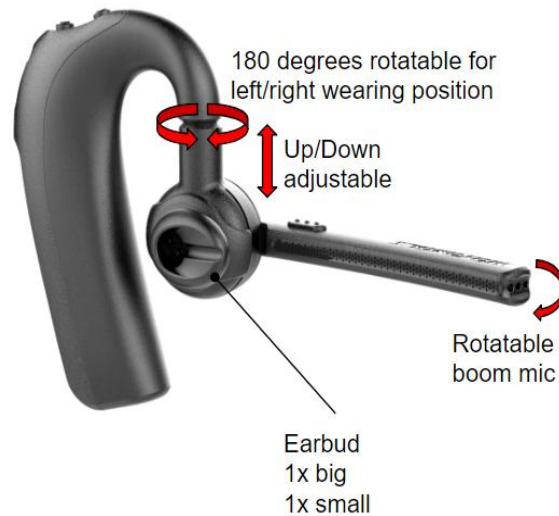
Compatibility

LTE mode:	WAVE 5000 on Android or iOS devices
LMR mode:	MOTOTRBO and TETRA ST7000, ST7500, MTP6550/6650/6750 and MTP3500/3550

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Product Overview



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