



LT-P700G

Digital Portable Handheld Radio



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The digital handheld radio LT-P700G is the brand new DMR portable two-way transceiver from Lamatel.

Compact, lightweight and crystal clear audio representing the future of style and functions. DMR Tier III Compliant, Lamatel is continuously envisioning the future and investing in R&D with the ultimate objective of offering the best and most secure communications' solutions



2.4-inch Color Display



Crystal Clear Audio



High Capacity Battery



AI Noise Cancellation



Weatherproof Design



Bluetooth 5.0 Audio & Data



Micro SD Card

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FEATURES

General	
Frequency Range	UHF 350-470MHz / VHF 136-174MHz
Channel Capacity	1024
Zone Capacity	64
Zone Channel	256
Channel Spacing	12.5kHz/20kHz/25kHz
Operating Voltage	7.7V (rated)
Battery	2400mAh Li-polymer
Battery Life(5/5/90 Duty Cycle, HP TX)	24hrs (GNSS disabled) / 20hrs (GNSS enabled)
Frequency Stability	±0.5ppm
Antenna Impedance	50Ω
Dimensions (HxWxD)	132 x 55x 29.5mm
Gross Weight	310g
Receiver Specifications	
Sensitivity	Analog 0.18μV (12dB SINAD)
Adjacent Channel Selectivity	TIA-603: 60dB@12.5kHz / 70dB@20/25kHz ETSI: 60dB@12.5kHz / 70dB@20/25kHz
Intermodulation	TIA-603: 70dB@12.5kHz
Spurious Response Rejection	TIA-603: 70dB@12.5kHz
Blocking	TIA-603 80dB - ETSI 84dB
Hum and Noise	40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Rated Audio Power Output	0.5W
Rated Audio Distortion	≤3%
Audio Response	+1 ~ -3dB
Conducted Spurious Emission	≤ 57dBm
Transmitter Specifications	
RF Power Output	UHF: 1W/4W VHF: 1W/5W
FM Modulation	11K0F3E@12.5 kHz 14K0F3E@20kHz 16K0F3E@25kHz
4FSK Digital Modulation	12.5kHz Data Only:7K60FXD
Conducted/Radiated Emission	-36dBm<1GHz; -30dBm>1GHz
Modulation Limit	±2.5kHz@12.5kHz ; ±4.0kHz@20kHz; ±5.0kHz@25kHz
FM Hum & Noise	40dB@12.5kHz; 43dB@20kHz; 45dB@25kHz
Adjacent Channel Power	60dB@12.5kHz; 70dB@20/25kHz
Audio Response / Distortion	+1 ~ -3dB / ≤ 3%
Digital Vocoder Type	AMBE +2™
Environmental	
Operating Temperature	-30°C ~ +60°C
Storage Temperature	-40°C ~ +85°C
ESD	IEC 61000 -4-2 (Level4)
Dust and Water Protection	IEC0529-IP68
Humidity / Shock & Vibration	MIL-STD-810G