

LH772 DATASHEET



LH772

DMR Portable



Digital/analog Dual Modes

FEC & AMBE+2™ Vocoder

High Output Power

DMR 2 Timeslots

The LH772 from SUNWAVE is a DMR migration radio with a high-power output of 7W. It provides a communication range of up to 15km long, and consistently delivers a clear and loud digital audio even in the fringe areas. Its rugged, compact and ergonomic design features with anti-slip function, making it an ideal choice for a great variety of users, like public securities, construction sites, shopping malls and so on.

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GENERAL	
Frequency Range	VHF: 136~174 MHz; UHF: 350~390 MHz/400~480 MHz/450~520 MHz
Channel Capacity	128
Zones	8
Channel Spacing	12.5 KHz/ 25 KHz
Working Voltage	DC 7.4V ($\pm 20\%$)
Battery Capacity	Real 2600mAh
Battery Average Working Time (5/5/90)	Digital 17 hours; Analog 13 hours
Frequency Stability	± 1.5 ppm
Antenna Impedance	50 Ω
Dimensions (L x W x H)	60 x 37 x 130 mm 2.36 x 1.46 x 5.12 in
Weight	235 g 0.51 lbs (including battery pack)

TRANSMITTER	
Power Output	H: 7W; L: 3W
4FSK Modulation	12.5 KHz Data ONLY: 7K60FXD 12.5 KHz Data and Voice: 7K60FXE
FM Modulation	12.5 KHz: 8K50F3E
Modulation Limitation	± 2.5 KHz @ 12.5 KHz ± 5 KHz @ 25 KHz
FM Noise	-40dB
Spurious Emission	-36dBm ≤ 1 GHz or -30dBm ≥ 1 GHz
Adjacent Channel Power	≤ -60 dB
Frequency Response	+1/-3dB
Vocoder	AMBE+2™
Audio Distortion	< 3%

RECEIVER	
Digital Sensitivity	5% BER: 0.25 μ V
Analog Sensitivity	0.25 μ V (12dB SINAD)
Intermodulation	60dB
Adjacent Channel Selectivity	60dB
Spurious Suppression	70dB
FM Noise	-40dBm
Frequency Response	+1/-3dB
Audio Power	1W

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Audio Distortion	< 3%
Conduction Radiation	-36dBm

ENVIRONMENT SPECIFICATIONS

Operating Temperature	-20 °C ~ +60 °C -4 °F ~ +140 °F
Storage Temperature	-30 °C ~ +85 °C -22 °F ~ +185 °F

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