

KYD®

BUILDING INTERNATIONAL INTERPHONE BRAND



Brief introduction of features:

- 1、DM-880 is with high digital audio quality — compared with analog radios, it can offer much more clearer audio in larger range by digital correction and squelch suppression
- 2、On a permitted frequency, DMR radio can obtain double calling capacities by means of TDMA technology.
- 3、Can have special interface setting for analog or digital radio operation, realizing the stable conversion from analog to digital.
- 4、Prolonging the life of battery pack. Compared with analog radio, the battery life between two charging cycles for TDMA digital two way radio is much better, even more up to 40%.
- 5、Being with Integrated audio and data, can improve the working efficiency of two way radio, as well as provide a variety of service support for various applications.
- 6、Using widescreen and high definition TFT(2.0") colorful display screen, can indicate all kinds of operations clearly.
- 7、With definable and programmable side keys, users can easily access common functionality.
- 8、Clear Menu interface and friendly icons display let users read and operate more easily and conveniently.



DM-880

Digital Mobile Radio

Digital mode:

MAIN FEATURES:

- | | |
|-------------------------|----------------------------------|
| 1、Individual Calling | 8、SMS |
| 2、Group calling | 9、Remote sensing (optional) |
| 3、General calling | 10、Scan |
| 4、Stun | 11、Status information |
| 5、Recents | 12、Activation |
| 6、Contacts | 13、System settings and telemetry |
| 7、GPS Status (optional) | |

Analogue mode:

MAIN FEATURES:

- | | |
|------------------------------|---|
| 1、Menu Mode | 10、Hi/Low Power |
| 2、VOX | 11、Time-out Timer |
| 3、107 DCS | 12、Frequency/Channel Scan |
| 4、50 CTCSS | 13、Battery Strength Indicator |
| 5、Priority Scan | 14、Selectable Squelch Level |
| 6、Channel Naming | 15、CO/TO/SE Scan Switchable |
| 7、Busy Channel Lockout | 16、Programmable Greeting Message |
| 8、Multiple Call Tones+1750Hz | 17、Selectable Name/Frequency Display Mode |
| 9、FM Radio | |

Technical parameters:

General specification

Model	DM-880	
Frequency range	VHF 136-174MHz	UHF 403-470MHz
Channel capacity	500	
Dimension (with 3000mAh Li-ion battery pack)	126.5X61X39.5mm	
Voltage	nominal 7.4V	
FCC states		
While transmitting carrier squelch with high power, and activating battery save feature, the average battery life under working cycle of 5/5/90 is:		
3000 mAh Li-ion battery	Analogue: 15 hours Digital: 23 hours	

Receiver

	136-174MHz	400-470MHz
Frequency range	136-174MHz	400-470MHz
Channel spacing	12.5kHz /25kHz	
Frequency stability (-20℃、+60℃、+25℃)	+/-1.5ppm	
Analog sensibility	0.25 μV (12dB SINAD) 0.3 μV (20dB SINAD) 0.20 μV (typical case)	
Digital sensibility	5% BER: 0.3μV	
Intermodulation	65 dB	
Adjacent channel selectivity	60 dB @ 12.5kHz 65 dB @ 25kHz	
Spurious reduction	65 dB	
Rated audio	0.7W	
Audio distortion @ rated audio	3%	
FM hum and noise	-40 dB @ 12.5kHz -45 dB @ 25kHz	
Audio response	+1、-3dB	
Spurious emission	-57 dBm	

Transmitter

	136-174MHz	400-470MHz
Frequency range	136-174MHz	400-470MHz
Channel spacing	12.5kHz /25kHz	
Frequency stability (-20℃、+60℃、+25℃)	+/-1.5ppm	
Output power	1W	1W
Low power	4W	5W
High power		
Modulation Limited	+/-2.5kHz @ 12.5kHz +/-5.0kHz @ 25kHz	
FM hum and noise	-40 dB @ 12.5kHz -45 dB @ 25kHz	
Radiation emission	-36 dBm < 1GHz -30 dBm > 1GHz & < 4GHz	
Adjacent channel selectivity	-60 dB @ 12.5kHz -65 dB @ 25kHz	
Audio response	+1、-3dB	
Audio distortion	3%	
FM modulation	12.5 kHz: 11KOF3E 25 kHz: 16KOF3E	
4FSK digital modulation	12.5kHz only data: 7K60FXD 12.5kHz data and audio: 7K60FXE	
Digital vocoder type	AMBE(optional)	
Digital agreement		

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