

Kydera®

PROFESSIONAL DIGITAL TWO-WAY RADIO

DMR

NEW



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

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DM-880

Main features for both Digital and Analog mode

- ◆ TFF2.0" Display
- ◆ Individual Calling
- ◆ Group calling
- ◆ General calling
- ◆ Kill
- ◆ Stun
- ◆ Revive
- ◆ Scan
- ◆ DTMF CODEC (Coder & decoder) (OPTIONAL)
- ◆ System setting
- ◆ Analog / Digital mode switch
- ◆ FM Radio
- ◆ Emergency alarm
- ◆ Man down (optional)

Main features for Digital mode

- ◆ Privacy call
- ◆ Signalling
- ◆ Digital ID code
- ◆ Call log
- ◆ Contacts
- ◆ GPS (Optional)
- ◆ SMS
- ◆ Remote sensing (optional)
- ◆ Status information

Main features for Analog mode

- ◆ 2TONE/5TONE(Optional)
- ◆ CTCSS
- ◆ DCS
- ◆ Scrambler
- ◆ Compandor
- ◆ ANI

Technical parameters:

General specification

Model	DM-880	
	VHF	UHF
Frequency range	136-174MHz	400-480MHz
Channel capacity	199/300/500/1000(optional)	
Dimension (height X width X depth)	126X56X37mm	
Voltage rating	DC 7.4V	
Battery life: In battery save mode, with carrier squelch and high TX power, and 5-5-90 duty cycle		
3000mAh polymer battery	Analog: 15 hours	Digital: 23 hours

Receiver

Frequency	136-174MHz	400-480MHz
Channel spacing	12.5kHz /25kHz	
Frequency stability (-20℃、+60℃、+25℃)	±1.5ppm	
Analog sensibility	0.25 μV (12dB SINAD) 0.3 μV (20dB SINAD)	
Digital sensibility	5% BER: 0.3μV	
Intermodulation	65 dB	
Adjacent channel selectivity	60 dB @ 12.5kHz 65 dB @ 25kHz	
Spurious rejection	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

Frequency range	136-174MHz	400-480MHz
Channel spacing	12.5kHz /25kHz	
Frequency stability (-20℃、+60℃、+25℃)	±1.5ppm	
Output power	L: 1W H: 4W	1W 5W
Modulation Limited	±2.5kHz @ 12.5kHz ±5.0kHz @ 25kHz	
FM hum and noise	-40 dB @ 12.5kHz -45 dB @ 25kHz	
Conducted / radiated emission	-36 dBm < 1GHz -30 dBm > 1GHz & < 4GHz	
Adjacent channel power	-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	
Digital agreement	DMR	

Giga
Technology

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