

Build in CTCSS/DCS signaling in Analog mode

PX-820

DMR Digital two-way portable radio

Digital mode single call, group call, all call function

- Support through and transfer mode
- Digital mode SMS function
- Support lag enter

IP67 Water Resistance & Dust Protector



LUXING®





PX-820

DMR Digital two-way portable radio

- Use Time-Division Multiple-Access (TDMA) digital technology which doubles the number of users on a single licensed 12.5kHz channel. Comply with the DMR digital protocol.
- Operate in both Digital & Analogue mode, allows easily migrate from analog to digital.
- Provides clearer voice communications in digital mode, throughout the coverage area.
- Private call, group call and all call in digital mode.
- Text messaging in digital mode.
- Direct mode and Repeater mode.
- Late Entry.
- Integrates voice and data to increase operational efficiency.
- Enhanced call management features include emergency, call alert, radio check, radio enable/disable.
- Transmit admit criteria.
- Build in CTCSS/DCS signaling in Analog mode.
- Accessory connector incorporates USB and enhanced audio capability.
- Tri-color LED Indicator for tx/rx status, calling, scanning.
- Up to 1000 contacts in Digital mode.
- Dual priority channel scan operates in both analogue/digital mode.
- VOX (Optional)
- Firmware can be updated easily to add new features.
- Up to 40% longer battery duration.
- IP67 Water Resistance & Dust Protector.

GENERAL			
Frequency	400~470MHz, 136~174MHz	Weight	270g (estimate) With Standard Li-ion battery
Channel Capacity	1000	Dimensions:H x W x D(mm)	113.5 x 54 x 33.5 With Standard Li-ion battery
Normal Operating Voltage	7.4V	Dust-protection and water resistant	IP67
Operating Temperature	-30℃~60℃	Battery Life in 5/5/90 Operating Mode	
Store Temperature	-40℃~85℃	1700mAh Standard Li-ion battery	Analog: 10hours; Digital: 14hours

RECEIVER			
Channel Spacing	12.5KHz	Spurious Response rejection	TIA603C:75dB ETSI:70dB
Frequency Stability	+/- 1.0ppm	Conducted spurious emission	-57dBm@<1GHz, -47dBm@>1GHz
Analog Sensitivity	0.35uV/-116dBm(20 dB SINAD) 0.22uV/-120dBm(Type)	Blocking	84dB
Digital Sensitivity	0.3uV/-117.4dBm (BER 5%) 0.7uV/-110dBm (BER 1%)	Rated Audio Power	1W
Intermodulation	TIA603C:70dB ETSI:65dB	Audio Response	+1dB~-3dB
Adjacent Channel Selectivity	TIA603C:65dB@12.5KHz ETSI: 60dB@12.5KHz	Rated Audio Distortion	3%(Type)
Co-Channel rejection	12dB@12.5KHz		

TRANSMITTER			
Channel Spacing	12.5KHz	4FSK Digital Mode	12.5KHz(data only):7K60FXD 12.5KHz(data+voice):7K60FXE
Frequency Stability	+/- 1.0ppm	Modulation Maximum Deviation	2.5KHz@12.5KHz
Power	Low Power:1W, High Power:4W	Nonactive Slot Power	-57dBm
Hum and Noise	-40dB@12.5KHz	Audio Response	+1dB~-3dB
Conducted, radiated spurious emission	-36dBm@<1GHz, -30dBm@>1GHz	Audio Distortion	3%(Type)
Adjacent Channel Power	-60dB@12.5KHz	Digital Protocol	ETSI TS 102 361-1, -2, -3
Adjacent Transient Channel Power	-50dB@12.5KHz	Vocoder Type	AMBE+2TM
FM Modulation Mode	12.5KHz:11K0F3E		