



TP620 / TP660

DMR Portable Radio

Working in the potentially harsh environments such as construction site, harbor, manufacturing or petrochemical plants needs a reliable and enduring two-way radio to guarantee safety and enhance working efficiency. DMR portable radio TP620 and TP660 provide super audio quality, versatile functionality, durability, security and flexibility to solve problems confronted in the work and to create more value.

IP67



TP620



TP660

DMR Portable Radio

TP620/TP660 DMR PORTABLE RADIO

KEY FEATURES

• Rugged Design

TP620/660 is strictly designed to meet IP67 and MIL-810C/D/E/F/G standard, making sure their good performance in potentially harsh environments such as harbor, manufacturing plants, petrochemical and construction site.

• Durable Battery

Two-time slot transmission reduces transmit time in half and thus increases talk time length. 2000mAh battery supplied in standard package ensures at least 14 continuous working hours in analog mode and 16 hours in digital mode.

• Improved Audio Quality

Digital error-correction technology rejects noise and static, providing consistent audio quality throughout its coverage area. AMBE+2TM vocoder further improves speech communication. 1.6W audio output and a 40mm diameter powerful speaker ensure louder and crisp voice communication.

• Higher Channel Capacity

TP620/660 can work with a single repeater to achieve twice the traffic capacity without relicensing or rebanding, which means two voice communications or one voice communication and one data transmission can transmit at the same time in one channel.

• Migrate at Your Own Pace

TP620/660 radios can operate both in analog and digital mode by channel switcher or mixed mode scanning. TP620/660 can be used on the existing analog system, and when your budget allows, move to digital at your own pace.

• Versatile Services

TP620/660 provides versatile services including individual call, all call, group call, emergency call, radio enable & disable, remote monitor, radio check, call alert, which help to realize high-efficient communication and management.

• Text Message

When it is not convenient to proceed voice communication, text message offers a quite communication choice. You can choose one of the maximum 50 preset messages to have a quick transmission or write a free-form message by keypad.

• Secure Communication

The 32 bit and 64bit digital encryption technology make sure only the intended person can hear the communication.



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MILITARY STANDARDS 810

APPLICABLE MIL-STD	810C		810D		810E		810F		810G	
	METHODS	PROC/CAT	METHODS	PROC/CAT	METHODS	PROC/CAT	METHODS	PROC/CAT	METHODS	PROC/CAT
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	505.5	II
High Temperature	501.1	I,II	501.2	I/A1,II/A1	501.3	I/A1,II/A1	501.4	I/Hot,II/Hot	501.5	I/Hot A1,II/Hot (A1)
Low Tempera	502.1	I	502.2	I/C3,II/C1	502.3	I/C3,II/C1	502.4	I/C3,II/C1	502.5	I/C3,II/C1
Temp Shock	503.1	-	503.2	I/A1C3	503.3	I/C1A3	503.4	I	503.5	I/C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I
Rain	506.1	I,II	506.2	I,II	506.3	I,II	506.4	I,III	506.5	I,III
Humidity	507.1	II	507.2	II	507.3	lis	507.4	-	507.5	-
Salt fog	509.1	-	509.2	-	509.3	-	509.4	-	509.5	-
Blowing dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Blowing Sand	-	-	510.2	II	510.3	II	510.4	II	510.5	II
Vibration	514.2	VIII/F,CURVE-W	516.2	I/10,II/3	514.4	I/10,II/3	514.5	I/24	516.6	I/24
Shock	516.2	I,II	516.2	I,IV	516.4	I,IV	516.5	I,IV	516.6	I,IV

STANDARD ACCESSORIES



KTC-50C1



KBC-78Q



KB-78B



KBJ-09



KGC-03



Antenna



TP620 TP660

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DMR PORTABLE RADIO



Professional Wireless Communication System Solution Supplier

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TP620/TP660 SPECIFICATIONS

General Specifications

Frequency Range	400~470MHz/136~174MHz
Channel Capacity	TP620:32 TP660:1000
Channel Spacing	Analog: 12.5KHz/25KHz Digital:12.5KHz
operating Temperature	-30°C ~ +60°C
Operating Voltage	7.5V DC ± 20%
Battery	2000mAh Li-ion
Frequency Stability	± 2.5 ppm
Dimension(with battery and antenna)	113mm x54mmx34mm
Weight(with battery and antenna)	270g(TP620)/280g(TP660)

Transmitter

RF Power Output	4W/1W
Frequency Modulation	16KφF3E/11KφF3E(Analog) 4FSK(Digital)
Antenna Impedance	50Ω
Modulation Limiting	± 2.5KHz
Radiated Spurious Emission	-36dBm < 1GHz, -30dBm > 1GHz
Adjacent Channel Power	60dB@12.5KHz
FM Noise	45dB@25KHz, 40dB@12.5KHz
Modulation Distortion	< 3%
Digital Vocoder Type	AMBE + 2™
Digital Protocol	ETSI TS 102 361

Receiver

Reference Sensitivity	0.22 μ V@12.5KHz
Adjacent Channel Selectivity	60dB@12.5KHz
Intermodulation	65dB
Spurious Response Rejection	70dB
Rated Audio Output	1W
S/N	45/40
Rated Audio Distortion	≤ 3%

Kirisun reserves the right to change any specifications without warning due to the technology improvement.
For more information, please visit www.kirisun.com or contact marketing.os@szkirisun.com



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