



PMR446 RADIO TX1000U

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IP55 DUST & WATER-PROOF RADIO

TX-1000U is a simplified version of TX-2000U and could be used for the environment that requires tough conditions like rainy day, water places, construction area or similar places, where people do need water-proof or submersible condition.



IP55 Dust & Water-proof Level

IP55 structure protects your radio from most of tough environment like heavy rain and construction area.

Optional Bluetooth Compatible Operation

Perfectly compatible with any of standard market purchasable bluetooth headsets, this radio offers the up-to-dated hands free solution.

Scrambler

The imbedded scrambler keeps your privacy from any ohter party.

Compander

The compander supports you with noise-free comfortable listening. This is useful especially when a headset is exploited.

High Power Unit

The max. 6watt power extends your communication range over your expectation.

Long Battery Life

High capacity battery guarantees you the high power operation for a satisfactory time span.

DTMF Tone

This preamble DTMF tone prevents you from failing in catching the first word from your partners.

Other Features

- > UHF Band (420-450MHz)
- > PC Programmable
- > 256 Channels
- > 73 CTCSS & 208 DCS
- > 500mW/6W Output Power (UHF Radio)
- > 12.5KHz /25KHz Channel Spacing
- > Clone Function
- > VOX
- > Heavy Duty Battery Pack
- > ID Writing
- > Semi Quick Charger
- > Keypad Lock
- > Scan
- > Power High / Low
- > Dual Watch
- > Call Alarm



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SPECIFICATIONS

General Specifications

Frequency Range	420~450MHz
Number of Channels	256CH / 10 Group
Channel Spacing	12.5KHz / 25KHz
Antenna Impedance	50Ω
Power Supply	7.4V (Li-ion Battery)
Current Drain	TX: High 1.8A , Low 0.8A RX: 360mA , Standby 40mA
Operating Temp. Range	-20°C ~ +60°C
Dimension	57(W)x116(H)x39(D)mm
Weight	224.5g
Average Battery Life	15Hours
PLL Step	6.25KHz
Battery Capacity	2200mAh
IP Level	IP55
Environmental Sealing	MIL-STD-810-C,D,E&F and IP55
Shock and Vibration	Impact resistant housing exceeding MIL-STD-810-C,D,E&F and TIA/EIA603
Dust and Humidity	Environment resistant housing exceeding MIL-STD-810-C,D,E&F and TIA/EIA603



TRANSMITTER SPECIFICATIONS

Power	500mW / 6W (UHF Radio)
Frequency Stability	less than ± 3 ppm
Max Frequency Deviation	± 2.5 KHz
TX distortion	less than 5%
Spurious Emission	less than -36dBm
FM Hum and Noise	more than 40dB
Adjacent Channel Power	less than 20 μ V
Audio Response	6dB/OCT (+1dB, -3dB) Pre-emphasis (300 ~ 3000Hz)

RECEIVER SPECIFICATIONS

Sensitivity	0.2 μ V
Receiver IF Frequency	1st IF : 46.35MHz, 2nd IF:450KHz
Inter Modulation Distortion	65dB
Spurious Response	70dB
Adjacent Channel Selectivity	more than 60dB
RX distortion	less than 5%
FM Hum and Noise	45dB
Audio Output Power	1200mW (16Ω load)

SUPPLIED ACCESSORIES

Antenna
(TAN-1110)



Battery
(TBP-2207L)



Charging Cradle
(TCG-1010FS)



Power Adaptor
(TCGA-1007DC)



OPTIONAL ACCESSORIES

Car Adaptor
(ACG-3311D)



Earset
(AES-4212TTRS)



Speaker Microphone
(AMC-3010R)



Program Cable
(TPC-5000U)



Cloning Cable
(TCC-1000)



Bluetooth Headset
(AHS-1000)

