



# PMR446 RADIO TX1000U

TTI TECH CO.,LTD.  
www.ttikorea.co.kr

## 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



# PMR446 RADIO TX1000U

## IP55 DUST & WATER-PROOF RADIO

### 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 $\pm 3$ ppm
Max Frequency Deviation	$\pm 2.5$ KHz
TX distortion	less than 5%
Spurious Emission	less than -36dBm
FM Hum and Noise	more than 40dB
Adjacent Channel Power	less than 20 $\mu$ V
Audio Response	6dB/OCT (+1dB, -3dB) Pre-emphasis (300 ~ 3000Hz)

#### RECEIVER SPECIFICATIONS

Sensitivity	0.2 $\mu$ 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)

