

# LP-4502···

## **UHF** Handheld Radio

### **Professional License free PMR/GMRS**

 $\overline{2W}$ 

The LP-4502 series is designed for all countries of non-license radio marketing. This series of radio qualifies fully for regulation of any country with tiny style, waterproof, shockproof and highly stable properties which can be promoted into marketing very easily and quickly.

Moreover, this product will be instead of low-end radio in the nearly future



### Features:

- Use of TCXO to enhance freq. stability (<1.5ppm)
- Digitally designed to ensure stable quality
- Rock-solid design
- Extra-small size with sturdy case, compliant with MIL STD 810 C / D / E
- 199 Memory channels and wide LCD
- 0.3~2W Power output&3 stages TX power selectable
- 16 stages for digital volume
- Twin-color LED
- Signal strength indicator
- Battery status indicator
- Button confirmation beep (selectable)
- Function lock / unlock
- 7 tone calls & amateur's MORSE code
- 8 levels of VOX (voice-activate feature) with quick VOX capability ON/OFF
- 3 steps auto-power save mode/ 4 stepts auto-power-off/
   4 steps time-out-timer
- Both channel and freq. scan features
- 1 hazard channel and 1 memory channel setting
- TX/RX Different channels
- 38 group-codes ( CTCSS) on each channel
- Multi-Icon Backlit LCD screen
- Roger Tone ON/OFF
- 24 progam channels (programmable TYPE only)

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LP-4502···Model Type							
Model Type	Channel Numbers		Frequency Range	Tx Output Power		Marketing Scale	
	Standard	Expansion	(MHz)	Standard	Expansion		
LP-4502G	23	199	462~467	2W	2W	America(U.S.A)/South America	GMRS/FRS
LP-4502T	14	199	467~467	1W	2W	Taiwan	FRS
LP-4502S	38	199	464~464	0.5W	2W	South Africa	FRS
LP-4502E	8	8	446~446	0.5W	2W	Europe	PMR446
LP-4502C	20	199	409~409	0.5W	2W	China/Hong Kong	FRS
LP-4502M	19	199	477~477	2W	2W	Malaysia	FRS
LP-4502PH	40	199	325~325	2.5W	2.5W	Philippines	СВ
LP-4502TH	80	199	245~246	2.5W	2.5W	Thailand	СВ
LP-4502R	69	199	433~434	0.1W	2W	Europe/Russia	LPD
LP-4502-U3	1~24		450~470	2.5W		Others	Programmable type

General

 Item
 Specification

 Frequency Range
 For type Frequency Range

Classification of Emissions F3E

Number of Channels For type Channel Numbers

Antenna Impedance  $50 \Omega$ 

Power Supply Voltage 7.2V DC

 $\begin{array}{ll} \mbox{Dimensions} & 55(\mbox{W}) \mbox{X95(H}) \mbox{X} \mbox{31(D}) \mbox{ mm} \\ \mbox{Weight (With Standard NiMH battery}) & 250 \mbox{ g} \mbox{ (includes BT FR80)} \\ \mbox{Frequency stability} & +/-1.5 \mbox{ppm with TCXO} \\ \mbox{Operating temperature range} & -30 \mbox{°C} \mbox{ to} + 70 \mbox{°C} \\ \mbox{PLL step} & 5k\mbox{Hz}, 6.25 \mbox{kHz} \end{array}$ 

#### Receiver

Item Specification Sensitivity 0.25 μV typ. Adjacent channel selections Less than 60dB Less than 65dB Intermodulation Offset Channel Selectivity: Less than 60dB Spurious rejection Less than 60dB 500mW Audio power output 3% Audio distortion

Spurious Emission -57dBm<1GHz / -47dBm>1GHz

Hum and Noise

I.F. Frequencies:

Audio Frequency Response

≥40 dB

21.4 MHz

300~2.7kHz

### **Transmitter**

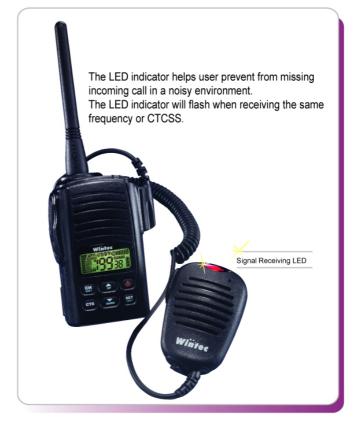
Item Specification Channel Spacing 25kHz/12.5kHz

Output power VHF:0.5~2.5W / UHF:0.5~2.5W Current drain 0.5W:400 mA /1W:550 mA /2W:800 mA

FM Hum & Noise -40dB Adjacent channel power -70dB

 $\begin{array}{lll} \mbox{Spurious/Harmonics} & -36d\mbox{Bm/-}30d\mbox{Bm} \\ \mbox{FM modulation} & 2.1\mbox{K} \, \mbox{$\Phi$} \, \mbox{F3E/12.5kHz} \\ \end{array}$ 

Modulation limiting +/-2.4kHz



### **OPTIONAL ACCESSORIES**



ANT AL80 M/L



L P-84M Belt clip



PB AL01 Leather case



WI AL01 Interface cable for programming



LP-83A Clip microphone earphone with LED



LP-83B Clip microphone earphone with LED



LP-82A Speaker microphone with LED indicator



BT FR80 700 mA Replacemen Ni-MH battery pack



BT FR80Li 1500mA Li-polymer battery pack



BT FR80C Car adapters fake battery



L CHG-81C Regular charger for BT F80 Ni-MH battery type



L CHG-81B Rapid charger for BT F80 Ni-MH & BT F80Li battery type



L CHG-80 Twin unit rapid charger for BT F80 Ni-MH battery type



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