



WALKY TALKY-LF

License Free Radio

VerTEL Walky Talky-LF Hand Held Radio is a compact and ergonomically designed Radio with Reliable and stable performance. Walky Talky-LF operates in the License free, 446 MHz frequency band, as notified by the Govt. of India* and has been issued Equipment Type Approval No: 1149/2018/RLO(NR) by W.P.C, as a license free Radio. The Radio offers long range, crisp audio and longer lasting battery.

- Frequency Band: 446-446.2 Mhz
- Channel Annunciation
- 2 Side Keys
- Multiple CTCSS/DCS
- Channel Annunciation
- Monitor
- Emergency Alarm
- Scan
- PC Programmable
- Low Battery Alert
- BIS Approved 1400mAH Li-ion
- Rugged & Reliable
- Meet MIL STD 810 & IP-65

IP65

Multiple
CTCSS/DCS





Features

- Busy Channel Lockout (BCLO)
BCLO prevents the interference with the on-going conversation. If BCLO is ON the radio can not transmit on the busy channel.
- Time-out Timer(TOT)
When TOT is ON and the transmission exceeds the preset time limit, the radio will stop transmitting after warning tone. TOT can prevent the radio from any potential damage caused by overlong transmission.
- Wired Clone
To quickly set the parameters on a radio, you can clone the radio data from another radio with the supplied cloning cable, saving the time of parameter setting.
- Low Battery Alert
When the battery power is low, the working status indicator flashes red, reminding you to recharge or replace the battery.
- Channel Annunciation
Channel annunciation offers convenience to users in special applications, such as working in the darkness. The annunciation could be programmed in different languages.
- Emergency Signaling
Emergency alarm and signaling is to be used in emergent situation. programming software
- Programmable Buttons
Two side buttons and one top button could be programmed to perform specific functions.
- Various Warning Tones
Different warning tones are available to meet users' different needs.
- Squelch Level Programmable
Squelch reduces background noise and improves sound quality. Squelch level adjustable by PC software makes the radio can be widely used in various environments.
- Digital Code Squelch (DCS):
The radio Supports multiple DCS Codes :
- Continuous Tone-Squelch System (CTCSS):
The radio Supports multiple CTCSS Codes :

General

Frequency Range	446.0 - 446.2 MHz
Channel Capacity	16
Channel Spacing	12.5KHz
Frequency Stability	2.5ppm
Operating temperature	-25°C ~ + 55°C
Operating voltage	7.5V DC ±20%
Dimension(H×W×D)	57×102×30mm/2.2x4.0x1.2in
Weight(with antenna&battery)	245g
Battery	1400mAh Li-ion

Receiver

Reference Sensitivity	0.20 μV @ 12.5KHz / 0.25 μV @ 25KHz typical
Operating Bandwidth	$W \geq \pm 7$ $N \geq \pm 3.5$
First IF of Receiver	51.65
Second IF of Receiver	450
Adjacent channel Selectivity	60dB @ 12.5KHz / 70dB @ 20/25KHz
Intermodulation Rejection	65 dB
Spurious Response Rejection	70 dB
Rated Audio Power	0.5W
Rated Audio Distortion	5%
FM Hum&Noise	40/35

Transmitter

RF Power	0.5 W
Frequency modulation	16K φ F3E / 11K φ F3E
Antenna Impedance	50 Ω
Modulation Limiting	±2.5KHz @ 12.5KHz,
Modulation Distortion	< 5%
Radiated Spurious Emission	-36dBm < 1GHz / -30dBm > 1GHz
FM Noise	-40dB @ 25KHz / -35dB @ 12.5KHz
Adjacent Channel Power	-60dB @ 12.5KHz / -70dB @ 20/ 25KHz

Applicable U.S. Military Specifications & IP Rating

Standard	MIL STD 810G	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	-
Salt Fog	509.4	-
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

STANDARD ACCESSORIES



Adaptor and Desktop Rapid Charger



1400mAh Li-ion Battery Pack



Antenna

For more information , please contact: