CS3001

LTR VHF Portable Radio

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FEATURES

LTR/CTCSS/DCS
LTR, Standard 38 tones for CTCSS and standard 83 codes for DCS are available (PC programmable). Powerful LTR/CTCSS/DCS Encoder/Decoder can prevent co-channel interference and unwanted conversations on the same frequencies and ensure smooth communication.

Tough And Rain Resistant
Built tough to take rough treatment! The radio has passed IP54 rain resistance tests and also meets or exceeds MIL-STD 810 C/D/E environmental standards.

Voice Scrambler
A Voice Inversion scrambler provides basic communication security against casual eavesdropping.

Voice Operated Transmission
The internal VOX provides PTT control by just talking. This brings convenience for task where hands free, constant, or repetitive communications are necessary.

Multi Format Encoder/Decoder
Programmable DTMF, Two Tone and MDC encoder/decoder could be used for Radio Identification, Remote Control, Kill, Stun, Activate, and Revive applications.

Dynamic RF Power setting
Each channel can be preprogrammed for high or low power settings. Programmable key can be used to change settings dynamically.

Talk Around
This feature allows the user to communicate thru a repeater to another radio or talk around the repeater and establish direct radio to radio communication.

Multi Mode Emergency Alarm
This radio can be programmed to send an alarm to another radio or generate an alarm on the radio's speaker. If the alarm is sent to another radio, it can bea silent alarm or generate enough noise locally to wake up the entire neighborhood.

PTT ID
A special code can be sent with the press and/or release of the PTT button to identify the caller.

Lone Worker
The radio can enter an emergency mode if the user does not press one of the buttons on the radio periodically. This emergency mode will allow the transmission of a special code to identify the person or generate an annoying sound on the radio's speaker.

Channel Scan
The radio could continuously scan each channel in a preprogrammed list for active conversations. This allows the user to monitor a number of different channels automatically without having to touch the channel selector switch.

Busy Channel Lockout
This feature is used to prevent interference with on-going conversations. If the Busy Channel Lockout feature is enabled, the radio will remain in the receiving mode even if the PTT is pressed to avoid interfering with other conversations.

Monitor Mode
This feature allows the operator to override the squelch settings and hear a very weak signal.

Programmable Keys
There are three programmable keys that can be programmed for different functions such as Monitor Mode, Lone Worker Timer Reset, Emergency Alarm, and R.F. Power selection.

Selective Call
Individual calls or group calls could be activated by pressing one of the preprogrammed keys.

Powerful Audio Amplifier
This radio has a one watt audio amplifier for plenty of audio power in a noisy environment.

Wired Clone
To quickly set the parameters on a radio, the radio data can be cloned from one radio to another with a cloning cable. This allows the quick programming of the radios without a PC.

SPECIFICATIONS

General

Frequency Range	136~174MHz
Channel Capacity	128
Channel Spacing	12.5KHz or 25KHz
Frequency Stability	±2.5ppm
Operating temperature	-13°F to +131°F
Operating voltage	7.4V
Dimension(H×W×D)	4.5"×2.2"×1.4"
Weight	10.2 ounces
Battery	Li-poly，7.4V，1750mAh

Transmitter

RF Power	5 Watts
Frequency modulation	25KHz：16KΦF3E/12.5KHz：11KΦF3E
Antenna Impedance	50Ω
Modulation Limiting	±2.5KHz@12.5KHz, ±5.0KHz@25KHz
Modulation Distortion	<5%
Radiated Spurious Emission	-36dBm <1GHz /-30dBm >1GHz
FM Noise	-40dB @ 25KHz/-35dB @ 12.5KHz
Adjacent Channel Power	-70dB @ 25KHz/-60dB @12.5KHz

Receiver

Reference Sensitivity	0.25μV@25KHz 0.28μV@12.5KHz
Operating Bandwidth	Wideband：≤±7KHz/Narrowband：≤±3.5
First IF of Receiver	51.65MHz
Second IF of Receiver	450KHz
Adjacent channel Selectivity	70dB @ 25KHz/60dB @ 12.5KHz
Intermodulation Rejection	65 dB
Spurious Response Rejection	70 dB
Rated Audio Power	1Watt
Rated Audio Distortion	5%
FM Hum&Noise	45dB @ 12.5KHz/35dB @ 25KHz

Standard accessories

KTC-25(US) Switching power Supply	KBC-60Q Desktop Charger	KB-36C Li-Poly1750mAh，Battery pack
Antenna	KGS-01 Hand strap	KBJ-04 Belt Clip

Optional Accessories：

KPT-13 Leather Case	KBC-06Q2 6-slot universal charger	KSPL-09 Programming cable
KME-014 Earpiece-Mic	KME-015 Earpiece-Mic	KME-016 Earpiece-Mic
KME-214 Hand-Mic	Antenna	