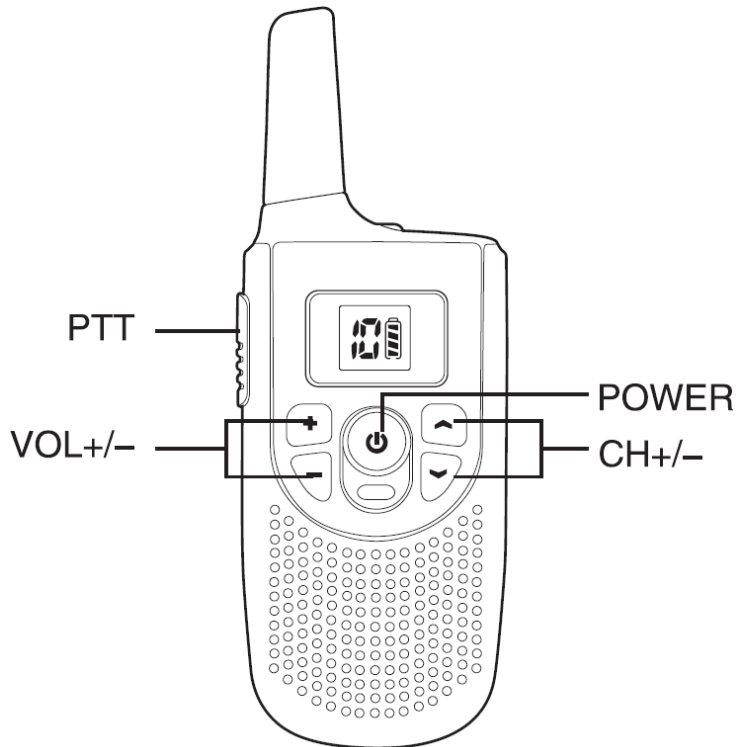




Sure-Response

Micro 22

Portable Two-Way Radio



INSTRUCTIONS BEFORE USE

- Use of transceiver without antenna properly installed poses a risk of electric shock.
- Do not use transceiver in the proximity of explosive substances or compounds.
- Turn off transceiver in proximity of fuel stations or when refueling.
- Do not expose transceiver to prolonged direct sunlight or intense heat.
- Do not use transceiver in excessively dusty, damp, or wet environments.
- Transceiver repairs should only be completed by an authorized repair technician.
- If the transceiver emits a burning smell or visible smoke, turn off the transceiver immediately, remove the battery pack, and then contact your supplier.

WARNING

- This transceiver is designed and classified as "Occupational Use Only." It should be used only in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.
- This radio complies with IEEE and ICNIRP exposure limits for occupational/controlled RF exposure environments at operating duty factors of up to 50% and is authorized by the FCC for occupational use only.
- Users must maintain a minimum distance of 2.5cm when held to face, and body-worn operations are restricted to the approved original accessories (belt clip)

BASIC OPERATION

- Long-press [Power] key to turn on/off radio.
- Press and hold [PTT] key to transmit, release to stop transmitting.
- Press [CH +] or [CH -] to switch channels up or down.
- While in standby mode or monitor mode, press [Vol +] or [Vol -] to increase or decrease volume.
- While in standby mode, short press [Power] key to enter function mode, screen displays "F"
- While in function mode, press [Power] key to enter monitor mode. Screen will display "No". Press [Power] again to exit monitor mode.
- While in function mode, press [CH +] or [CH -] to enter scan mode in either forward or reverse direction. Press [Power] again to end scan mode. While scanning, radio will scan all pre-determined channels for scan mode as set by radio programmer. When a signal is received, the radio will pause scanning and hold on the active channel until 1 second after signal is lost, then will resume scan mode. While scanning, pressing [PTT] while a signal is being received will transmit signal on the currently active channel. Pressing [PTT] while a signal is not being received will transmit on the last channel selected before entering scan mode. Scanning will resume 3 seconds after transmitting ends.
- While in function mode, if keypad is unlocked, pressing [Vol +] will lock the keypad.
- While in function mode, if keypad is locked, pressing [Vol -] will unlock the keypad.

General

Channel:	99
Voltage:	3.7 VDC
Antenna:	Non-removable Helical Antenna
Antenna Impedance:	50 Ω
Working Mode:	Simplex
Operating Temperature:	-10°C to +50°C
Net Weight:	131g (including antenna and battery)
Dimension:	151mm*55mm*31mm*
Battery Capacity:	1400mAh

Transmitter

Frequency Stability:	5ppm
Modulation Type:	11K F3E
RF Power:	$\leq 2.5W$
Current:	$\leq 1.5A(H)/\leq 1A(L)$
Max Freq. Deviation:	$\leq \pm 5kHz/\leq \pm 2.5kHz$
Modulation Sensitivity:	10 \pm 4mv
Modulation Distortion:	<5%
Hum & Noise (dB)	Narrow Band ≥ 35
CTCSS deviation	0.7 \pm 0.1 / 0.35 \pm 0.1
DCS deviation:	1 \pm 0.1 / 0.5 \pm 0.1
Adjacent channel power:	$\geq 65dB/\geq 60dB$
Spurious Power:	$\leq 7.5 \mu W$

Receiver

Sensitivity:	-122dbm(12db SINAD)
Audio output power:	>0.5W
Current:	$\leq 250mA$ (16 Ω Load)
Audio Distortion:	$\leq 5\%$
Intermediation:	$\geq 55dB/\geq 50dB$
Selectivity:	$\geq 55dB/\geq 50dB$
Spurious Rejection:	$\geq 55dB/\geq 50dB$
Co Channel Rejection:	$\geq -8dB$
Blocking:	$\geq 85dB$

WARNING

■ FCC Compliance Statements:

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. Do not use this device when the antenna shows obvious damages. Hold this transmitter approximately 25 mm away from your face and speak normal with the antenna pointed up and away. Use the supplied belt clip for body-worn configuration as other accessories may not comply to the limits.

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

■ Licensing Information

Use our radio in USA is subject to the rules & regulations of FCC. Changes or modifications not expressly approved by our may void the user authority granted by the FCC to operate this radio and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

Note: Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Important: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by qualified technicians.