R1 DIGITAL HANDHELD RADIO

USER GUIDE

DUAL BAND ANTENNA
FLASHLIGHT
INDICATOR LIGHT
VOLUME ON/OFF
LED DISPLAY
UP/DOWN SELECT
OK
CH. PRESET 1
FM MODE
LOCK
BACK
CH. PRESET 2
FLASHLIGHT
SETTINGS

DUAL BAND ANTENNA
PUSH TO TALK
SIDE KEY 1
SIDE KEY 2
BATTERY CHARGING PORT

VOLUME ON/OFF
ACCESSORY PORT
BELT CLIP
RECHARGEABLE LITHIUM ION BATTERY
BATTERY CHARGING PORT
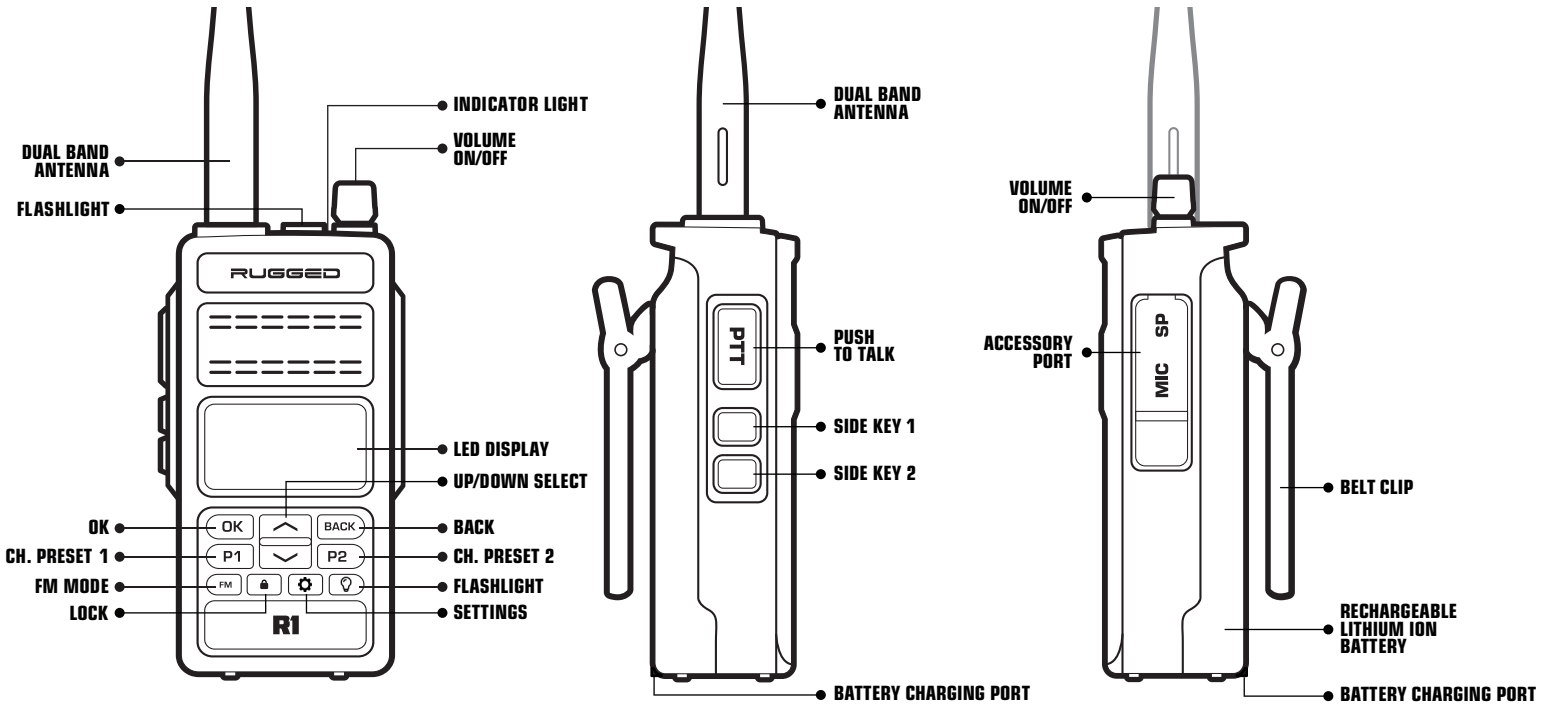
RADIO FUNCTIONS

CHANGING CHANNELS

Use [∧ ∨] to scroll through the channels until you have reached your desired channel. To avoid accidental changes, always lock.

CHANGING ZONES

Long-press [⚙] to open settings menu. Select ZONE and press OK to accept. Use [∧ ∨] to scroll to desired zone and press OK to accept.

PUSH-TO-TALK (PTT)

Press it to transmit and release it to receive after your transmission is completed.

2-PIN MIC/ACCESSORY PORT

The jack provides connection points for microphone input, audio output, and program cable.

SETTINGS

Long-press [⚙] to open settings menu.

When dual monitor is activated, short-press [⚙] to switch between channel A and channel B.

FLASHLIGHT

Hold [⚙] and quick-press [♀] to turn flashlight on and off.

SIDE KEY 1

Press and hold to view battery voltage.

SIDE KEY 2

Press and hold to monitor a channel by temporarily changing the squelch to zero allowing you to hear very weak signals.

FM RADIO MODE

Long press [FM] to activate FM radio mode. Use [∧ ∨] to scroll through the channels until you have reached your desired channel. Press [BACK] to exit FM radio mode.

LOCK

Long-press to lock and unlock the radio.

P1 SETTING

Channel 1 in active zone.

P2 SETTING

Channel 2 in active zone.

OK

Confirm

BACK

Exit

RADIO FUNCTIONS

TEXT MESSAGING

Long-press [⚙] to open settings menu. Select ZONE and press [OK] to accept. Use [⌄⌃] to scroll to either DIG VHF or DIG UHF and press OK to accept. Make sure the others in your group are on the same channel. While on a digital channel, long-press [⚙] to open settings menu. Use [⌄⌃] to scroll to Message and press OK to accept.

Menu Item	Function	Operation
Inbox	All recieved text messages will be stored here.	When in the Messages menu, use [⌄⌃] to scroll to Inbox and press [OK] to accept.
New Message	Write and send text messages.	When in the Messages menu, use [⌄⌃] to scroll to New Message and press [OK] to accept. Use [⌄⌃] to select your symbols or letters. Use [📷] to advance spaces and [BACK] to backspace. Review the drafted text message then press [OK] to accept. Use [⌄⌃] to select Send, Save, or Clear then press [OK] to accept.
Outbox	All sent text messages will be stored here.	When in the Messages menu, use [⌄⌃] to scroll to Outbox and press [OK] to accept.
Draft	All text messages saved as draft will be stored here.	When in the Messages menu, use [⌄⌃] to scroll to Draft and press [OK] to accept.
Quick Text	Choose from pregrogammed text messages to send or send your own programmed quick texts.*	When in the Messages menu, use [⌄⌃] to scroll to Quick Text and press [OK] to accept. Use [⌄⌃] to scroll to the desired, preprogramed, text message and press [OK] to accept. Review the selected text message then press [OK] to accept. Use [⌄⌃] to select Send, Save, or Clear then press [OK] to accept.

*Enabled via software available from RT Systems.

LISTEN-ONLY CHANNELS: Rugged Radios has licensed a variety of frequencies for our customers. However our LSO channels are licensed by various businesses, organizations, and governmental entities. Rugged Radios allows access to these channels as listen-only. Users are prohibited from transmitting on those frequencies. These channels are in the bank labeled as LSO.

LICENSING: Rugged two-way radios operate on frequencies regulated by the Federal Communications Commission (FCC). A license is required to transmit on these frequencies. To ensure compliance with federal regulations, Rugged Radios licenses 10 nation-wide commercial band frequencies and 60 area specific commercial band frequencies. Under this FCC license, Rugged Radios' customers are authorized to transmit on Rugged brand mobile and handheld radios only, on the pre-programmed channels, in the locations designated by its license. These frequencies/channels are available to transmit for business, recreational, or race use. For the latest information regarding the Rugged Radios license, please visit ruggedradios.com/licensing.

SAFETY: This radio generates RF electromagnetic energy during transmit mode. This radio is designed for and classified as "Occupational Use Only," meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards. This radio is NOT intended for use by the "General Population" in an uncontrolled environment. This radio has been tested and complies with the FCC RF exposure limits for "Occupational Use Only". In addition, this radio complies with the following Standards and Guidelines with regard to RF energy and electromagnetic energy levels and evaluation of such levels for exposure to humans: FCC OET Bulletin 65 Edition 97-01 Supplement C, Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Acids. American National Standards Institute (C95.1-1992), IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz. American National Standards Institute (C95.3-1992), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields— RF and Microwave. The following accessories are authorized for use with this product. Use of accessories other than those (listed in the instruction) specified may result in RE exposure levels exceed the FCC requirements for wireless RE exposure.
To ensure that your exposuree to RF electromagnetic energy is within the FCC allowable limits for occupational use, always adhere to the following guidelines: DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed FCC RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or antenna specifically authorized by the manufacturer for use with this radio. DO NOT transmit for more than 50% of total radio use time. Transmitting more than 50% of the time can cause FCC RF exposure compliance requirements to be exceeded. The radio is transmitting when the 'TX indicator' lights up red. You can cause the radio to transmit by pressing the PTT switch. ALWAYS keep the antenna at least 2.5 cm (1 inch) away from the body when transmitting and only use the provided belt-clip to ensure FCC RF exposure compliance requirements are not exceeded. To provide the recipients of your transmission the best sound quality, hold the antenna at least 5 cm (2 inches) from your mouth, and slightly off to one side. The information outlined in this manual provides the user with the information needed to make him or her aware of RF exposure and what to do in order to assure this radio is operated safely within the FCC exposure limits.

ELECTROMAGNETIC INTERFERENCE/COMPATIBILITY DURING TRANSMISSION: Your radio generates RF energy that can possibly cause interference with other devices or systems. To avoid such interference, turn off the radio inareas where signs are posted to do so. DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.

OCCUPATIONAL/CONTROLLED USE: The radio transmitter is used in situations in which persons are exposed as consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.