

User Guide



CHANGING CHANNELS

- Use **▲ ▼** to alternate between top bank and bottom bank.
- Turn Channel Selection Knob on top of radio to select channel

CHANGING ZONES (VHF/UHF, ANALOG/DIGITAL, LISTEN ONLY)

- Press the green menu button **☰**
- Press **▲ ▼** to select a zone from the menu
- Press the green menu button **☰** again to select your option.

DUAL MONITOR

- The RDH-X normally displays a single channel, but it has the capability to display two channels. This is useful if you continuously switch between channels, or need to monitor 2 channels at once.
- To turn on the second channel display:
 - Press the green MENU button **☰**
 - Press **▲ ▼** to select UTILITIES and press the green MENU button **☰**
 - Press the green menu button **☰** again to select RADIO SETTINGS
 - Press **▲ ▼** to scroll to [10] Dual Monitor and press the green MENU button **☰**
 - Press **▲ ▼** to choose on or off. Press the green menu button to confirm **☰**

KEYPAD LOCK/UNLOCK

- To lock the keypad, press and hold lock symbol (*** ☰**) on keypad.
- To unlock, press lock symbol (*** ☰**).

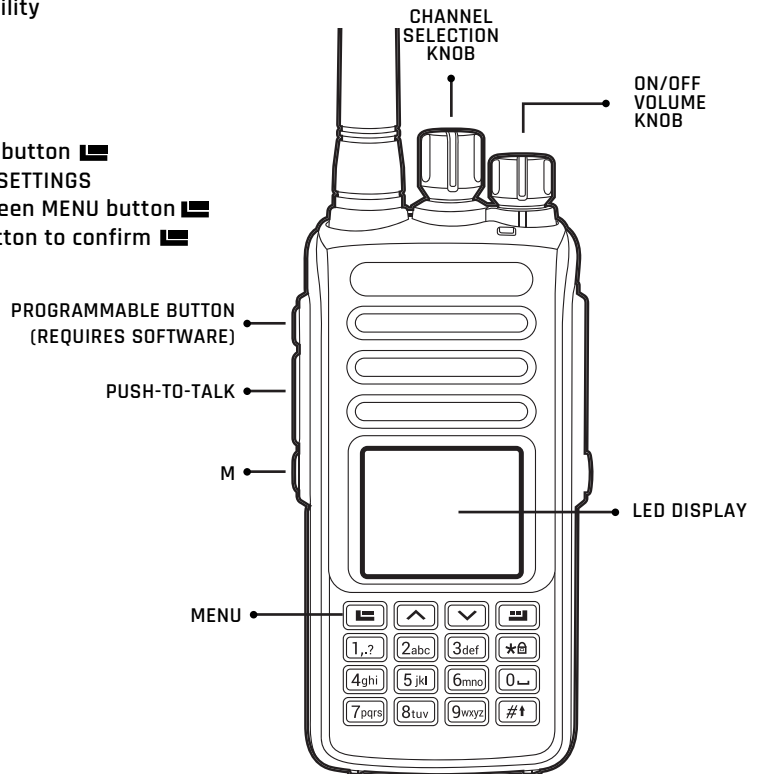
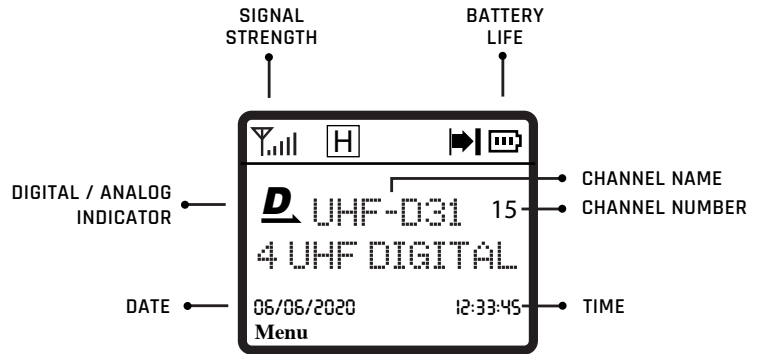
MONITOR A CHANNEL

- Hold **M** to temporarily change the squelch to zero allowing you to hear very weak signals.

PROGRAMMING

For custom programming software, please contact:

RT Systems
800.921.4834
rtsystemsinc.com



Listen-Only Channels: Rugged Radios has licensed a variety of frequencies for our customers. However VHF channels 16-22 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.

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 Radio 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 Fields, 3 kHz to 300 GHz. 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 exposure 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 in areas 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.