

## General

Frequency Ranges	TX : 400-480 MHz Other Transmit Frequencies Are Customizable.
	RX : 136-174 MHz 400-520 MHz
Channel Steps	2.5 / 5 / 6.25 / 10 / 12.5 / 25 / 50 / 100 KHz
Channel Bandwidth	12.5 / 25 kHz
Emission Type	F1,F2, F3,
Frequency Stability	±1.5 ppm
Number Of Channels	32*6
Antenna Impedance	50 Ω
Supply Voltage	Nominal:13.8V DC, Negative Ground Operating: 11.7-15.8V, Negative Ground
Current Consumption	0.5A (Receive) 9A (TX,430 MHz50W)
Operating Temperature	-4°F to +140°F (-20°C to +60°)
Case Size	160 (L) x 135 (W) x 38 (H) mm (with the fan)
Weight	1.2 kg Rear Chassis

## Transmitter

RF output power	H 50W / M 25W / L 8W
Spurious Emission	At least 65dB below
Modulation Type	Variable Reactance F1, F2, F3
Maximum Deviation	±5 kHz
Microphone Impedance	2 KΩ

## Receiver

Sensitivity	88-108 MHz(WFM) 0.5 μV TYP for 12 dB SINAD
	136-174 MHz (FM) 0.15 μV TYP for 12 dB SINAD
	400-520 MHz(FM) 0.15 μV TYP for 12 dB SINAD
Squelch Sensitivity	0.13 μV (144 / 430 MHz Band)
Selectivity (NFM, AM)	12 kHz / 30 kHz (-6 dB / -60 dB) 2 W ( 4Ω for 10 % THD ) Internal Speker
AF Output	5 W ( 4Ω for 10 % THD (@ 13.8 V ) External Speker
AF Output impedance	4-8 Ω

Your Local Dealer

### VERO Global Communication Co.,Ltd.

Tel: 0595-2249 6660 E-mail: info@verotelecom.com  
www.vero-china.cn

Note The above specifications are all from laboratory data; Due to continuous technological upgrades, data is subject to change without prior notice.

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UHF/VHF Mobile Radio

**VR-N7100**

## Most Advanced Feature Set On The Market

- UHF 40W/VHF 50W Output Power
- Onboard GPS & Compass
- AI Noise Reduction
- Remote Link Management
- Connect & Control via App



TEXT



Location Sharing



GPS



VERO Global Communication Co.,Ltd.

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# VR-N7100

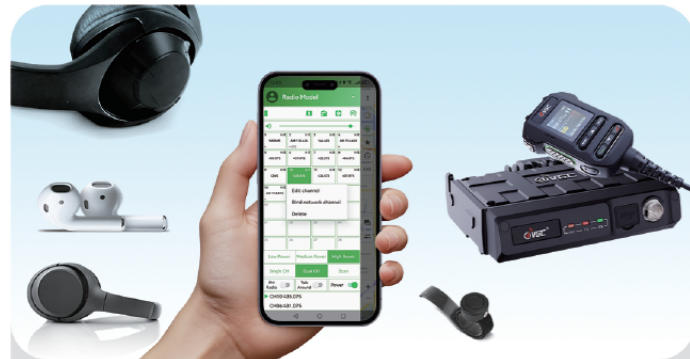
## 50 W Output Power

High-Performance  
Single-Band Mobile Radio

Connect & Control via App



A 50W single-band solution designed for professional communications. Integrates GPS, electronic compass, and AI noise reduction. Supports discreet installation and smartphone remote control. The ideal communication partner for logistics, taxi dispatch, and field operations.



### A Real Bluetooth Two Way Radio.

The VR-N7100 redefines wireless communication with true Bluetooth integration. It enables online firmware updates and programming via a smartphone, ensuring convenient maintenance. The radio connects seamlessly to vehicle audio systems and Bluetooth headsets via the BS-PTT accessory. By combining audio, data, and updates in one device, it sets a new standard for modern communication.



### AI Noise Reduction

Achieve professional clarity in any environment. The advanced AI Noise Reduction system actively suppresses common background interference—such as wind, engine rumble, and crowd noise—to ensure your voice is transmitted and received with pristine quality. Enable it effortlessly via the radio menu for seamless communication during mobile or field operations.



### Comprehensive Situational Awareness

The built-in GPS, electronic compass, and gyroscope provide real-time data on position, direction, altitude, and speed. Paired with our proprietary BSS system, it enables real-time display of teammates' locations, bearings, and distances, supporting precise visual coordination for team operations.



### 50W High Power Output

Thanks to its excellent hardware design, the VR-N7100 can consistently and stably deliver a peak power output of up to 50W even during extended operations and under complex working conditions. This ensures that every time you press the PTT, whether for critical calls, remote dispatch, or emergency communications, you will experience clear, reliable, and uninterrupted connectivity.

## Product Features

### • TX/RX & Wideband Scanner

Transmit on UHF and Scan Covers 136-174 MHz & 400-520 MHz, offering exceptional versatility for monitoring a broad spectrum of communications.

### • Unique Signaling & Messaging

Exchange short data messages and use the calling feature to alert other units, all without cellular service. The "Nearby People" function provides real-time location feedback.

### • Dedicated Mobile App

Customize your radio with ease by downloading the "HT" Programmer App (Google Play) or "BS HT" (Apple App Store).

### • Audio Relay

Extend your communication range through store-and-forward voice messaging between radios.

### • Global Network Groups

Use the HT app to join worldwide network groups and stay connected across the globe.

### • Remote Link Management

Operate your home base station and connect to local repeaters remotely via your smartphone.

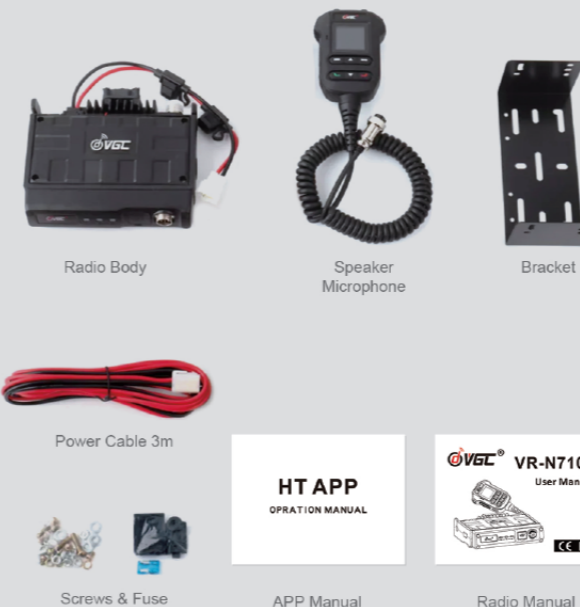
### • USB Power Hub

The VR-N7100 features a 5V/2A USB port that can directly charge your radio, mobile phone, action camera, or flashlight.

### • Instant Channel Sync

Clone your entire channel list to another N Radio series radio in seconds. Perfect for team use—everyone gets the same channels instantly.

## Accessories



## Optional accessories

