

General

Frequency Ranges	TX : 144-146 (148) MHz (Ham Band) 430-440 (450) MHz (Ham Band)
	RX : 88-108 MHz (FM Radio) *
	136-174 MHz (144 MHz HAM Band) 400-520 MHz (430 MHz HAM Band) *(RX Only)
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) 9A (TX,144 MHz 50W)
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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Dual Band UHF&VHF Mobile Radio

VR-N7500

- UHF 40W/VHF 50W Output Power
- Remote Link Management
- Connect & Control via App



TEXT



Location Sharing



GPS



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VR-N7500

UHF&VHF Mobile Radio

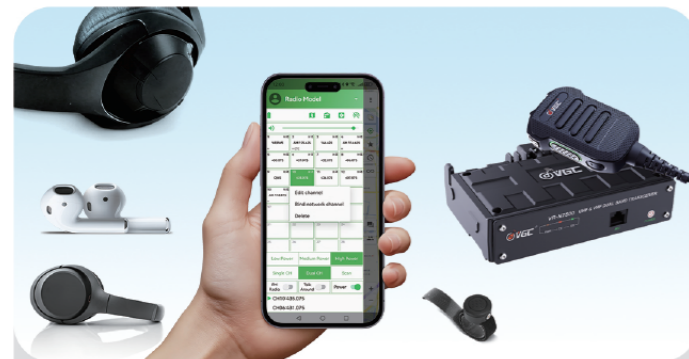
Redefine Mobile Connectivity

Connect & Control via App



The VGC VR-N7500 is a next-generation headless transceiver designed for seamless smart operation. Featuring 50W VHF / 40W UHF output and robust construction, it integrates effortlessly into your vehicle—mount the unit discreetly in the trunk and control everything via Bluetooth through your smartphone.

Smart. Sturdy. Always connected.



A Real Bluetooth Two Way Radio.

The VR-N7500 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.



50W High Power Output

Thanks to its excellent hardware design, the VR-N7500 can consistently and stably deliver a peak power output of up to 50W on VHF and 40 W on UHF 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.



KISS TNC Support

With built-in KISS TNC support, the VR-N7100 integrates seamlessly with apps like APRSDroid, Winlink, and RadioMail. This enables advanced functions including real-time tracking, digital messaging, and robust packet data operations for off-grid and emergency communication.



APRS/BSS with Real-Time Tracking

Leveraging GPS data from your smartphone, the VR-N7500 supports APRS on an independent channel and provides BSS protocol compatibility for teams without callsigns, ensuring seamless tracking and interoperability for all user groups.

Product Features

• Frequency Range

136-174MHz VHF Frequencies (RX) / 144-148MHz (ham band)
400-470MHz UHF Frequencies (RX) / 430-440MHz (ham band)

• 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.

• Cross Band Repeater Between Network & Analog Channels

Bridge the gap with our dedicated app. Seamlessly relay communications between analog and network channels, extending your reach and ensuring reliable connectivity—no matter the distance.

• Firmware Upgradeable via App

Always evolving. Update seamlessly through the app to access new features and enhancements, keeping your device at the forefront of performance.

Accessories



Radio Body



Speaker Microphone



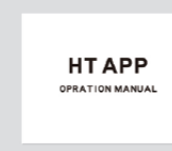
Bracket



Power Cable 3m



Screws & Fuse



APP Manual



Radio Manual

Optional accessories



BHM-79 Desert Speaker Microphone



BHM-79 Black Speaker Microphone



Wireless PTT Button



BHM-88 Desert Speaker Microphone



BHM-88 Black Speaker Microphone