

VHF/VHF DUAL BAND TRANSCEIVER



- Classic Black**
- Flourescent Green**



VR-6900

- Wideband Receive Capability
- 78-108MHz, 108-136MHz, 136-174MHz, 400-480MHz, 480-520MHz.
- Multi-mode Scope Search Function
- You can achieve a variety of dynamic spectrum search, search for real-time signal status around you at any time.
- Easy-to Separation Or Integral Installation
- You can with the combination bracket the control panel can be attached to the main unit.
- Loud Audio Output With 50mm Front Speaker
- Equipped With Complete Function Panel Operation
- Professional Anti-interference Features, Double-conversion Super Heterodyne
- An Easy-to Read Graphical Interface Via a Full-color TFT Large-scale Display
- Stable High Output Power Sufficient For Communication On The VHF /UHF Bands

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General

Frequency Range	RX : 76-108MHz(FM radio) 108-136MHz(Aviation frequency Band) 136-174MHz(144MHz HAM Band) 350-400MHz(Universal 1) 400-480MHz(430MHz HAM Band) 480-520MHz(Universal 2)
Channel Spacing	TX:144-148MHz (HAM Band) 430-440MHz(HAM Band)
Frequency Stability	2.5、5、6.25、10、12.5、15、20、25、50、100、200kHz
Inter-frequency Relay Frequency Difference	±2.5ppm (14° F - +140° F [-10°C - +60°C])
Emission Type	±600kHz (144MHz) ±1.6 / 5.0 / 7.6MHz (430MHz)
Antenna Impedance	F1, F2, F3
Voltage	50 Ω
Current Consumption	Rated : 13.8V DC, Negative Ground Operating : 11.7V~ 15.8V, Negative Ground
Operating Temperature	0.5A(Receive)10A (TX, 144 MHz 40W) 10A (TX, 430MHz 40W)
Size (Width X Height X Depth)	-4°F - +140°F (-20°C - +60°C)
Weight (Approximately)	Panel: 180x75x35mm Hosts: 160x40x100mm
	2.3 lbs (1.05kg) Panel + Hosts + Connecting Cables

Emission

RF Output Power	40/20/5W
Modulation Type	Variable Inductance: F1、F2、F3
Maximum Frequency Deviation	±5 kHz
Stray Radiation	60dB
Microphone Impedance	2KΩ

Receiving

Circuit type	Two-level Superheterodyne(FM/AM)
Intermediate Frequency	First IF: 51.550MHz, Second IF: 450KHz
Sensitivity	First intermediate Frequency: 50KHz (FM radio) 2μV TYP Apply to 12dB SINAD (76-108MHz, WFM) 0.8μV TYP Apply to 10dB SN (108-136MHz, AM) 0.2μV Apply to 12dB SINAD (136-174MHz, FM) 0.35μV TYP Apply to 12dB SINAD (350-400MHz, FM) 0.22μV Apply to 12dB SINAD (400-480MHz, FM)EXP 0.3μV TYP Apply to 12dB SINAD (480-520 MHz, WFM)
Squelch Sensitivity	0.13μV (144/430MHz Band)
Selectivity	Broadband: ≥10KHz/6dB, <30KHz/60dB Narrowband: ≥6KHz/6dB, <20KHz/60dB
AF Output	4 W @ 8Ω /Apply to 10 % THD (@ 13.8 V) Conventional EXP SP
AF Output Impedance	4-16 Ω

Due to technological advances, the specifications will change without notice, but the indicators are only guaranteed to be used within the 144/430 MHz amateur band.



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