Vertex Standard

VX-350 Series

VHF/UHF Portable Radios

All-Purpose Radio With A Wide Range Of Built-In Capabilities

The compact Vertex Standard VX-350 Series gives you a wide range of operating capabilities and options without paying extra.

Extended Performance with Li-Ion Power

Uses Lithium-Ion battery power for greater convenience and productivity... even with the battery saver turned off.

Easy-To-Carry Compact Size

The small size is ideal for users that don't want a radio that gets in the way and is easy to conceal when necessary.

When Safety Counts

Includes built-in Emergency notification that will switch to a designated channel, send an emergency unit ID and transmit with a live microphone, an added benefit when working alone.

Prevent Unauthorized Use

If lost or stolen, the VX-350 Series can be quickly disabled remotely by sending a Stun command for temporary disabling or Kill command to permanently disable the radio (must be returned and re-programmed before using again).

Easily Integrate with Existing MDC System

Add the optional VME-100 board to make the VX-350 radio compatible for use with the rest of your MDC-1200 fleet.

Exclusive Auto-Range Transpond System – ARTS™

Only Vertex Standard radios are designed to inform you when you and another ARTS™-equipped station are within communication range. If out of range for more than 2 minutes, your radio senses no signal has been received and beeps to alert you. The base station can then alert the field unit to move back in range. A great solution to keep your workers coordinated.

Top

VX-354   VX-351

4.1" (H) X 2.3" (W) X 1.3" (D)

FACTORY WARRANTY 3 Year

The Vertex Standard Difference

Our number one goal is achieving superior customer satisfaction by delivering products and services that exceed your expectations. Vertex Standard radios are built to last and are backed by an industry-leading 3 year warranty – another great reason to choose Vertex Standard. Ask your Dealer for more details.

Additional Features

- 16 channel capacity
- Wide band coverage
- Six programmable keys (VX-354)
- Two programmable keys (VX-351)
- 8-Character alphanumeric display (VX-354)
- RX/TX Battery power save
- DTMF ANI
- DTMF Speed dial
- Lone Worker
- 2-Tone Encode and Decode
- CTCSS / DCS Encode and Decode
- 5-Tone signaling
- Whisper
- Priority scan
- Dual Watch scan
- Follow-me scan
- Talk Around scan
- Radio-to-radio cloning

Accessories

- MH-360S: Compact speaker microphone
- MH-37A4B: Earpiece microphone
- MH-450S: Speaker microphone
- MH-45B4B: Noise cancelling speaker microphone
- VH-115S: Behind-the-head headset w/boom mic
- VH-215S: Over-the-head single-muff headset
- VC-25: Over-the-head VOX headset
- VH-130S: 2-Wire earpiece w/palm mic and PTT switch
- FNB-V96LI: 2000 mAh Li-Ion battery
- VAC-300: Desktop rapid charger
- DCM-1: Desktop charger mounting adapter
- VCM-2: Vehicle mounting adapter for VAC-300
- VAC-6300: 6-Unit multi rapid charger
- LCC-351/S: Leather case w/swivel belt clip (VX-351)
- LCC-354/S: Leather case w/swivel belt clip (VX-354)

Option Boards

- FVP-25: Voice Encryption & DTMF Paging
- FVP-35: Rolling Code Encryption
- FVP-36: Voice Inversion Encryption
- VME-100: MDC-1200® / GE-STAR® ANI Encode

VX-350 Series Specifications

	VHF	UHF
General Specification		
Frequency Range	134 – 174 MHz	380 – 470 MHz; 450 – 512 MHz
Number of Channels	16	
Power Supply Voltage	7.4 V DC±20%	
Channel Spacing	12.5/20/25 kHz	
PLL Steps	1.25 / 2.5 / 5 / 6.25 kHz	5 / 6.25 kHz
Battery Life (5-5-90 duty) 2000 mAh FNB-V96LI	15.5 hrs (13 hrs w/o saver)	15 hours (12.5 hrs w/o saver)
IP Rating	IP 55	
Operating Temperature Range	−22° F to +140° F (−30° C to +60° C)	
Frequency Stability	±2.5 ppm	
RF Input-Output Impedance	50 Ohms	
Dimension (H x W x D)	4.1 x 2.3 x 1.3 inches (105 x 58 x 33 mm) (w/FNB-96LI)	
Weight (Approx.)	10.9 oz (310 g) (w/FNB-V96LI, ANT, belt clip)	
Receiver Specification: measured by TIA/EIA-603		
Sensitivity 12dB SINAD	0.25□V	
Adjacent Channel Selectivity	65 / 60 dB	
Intermodulation	65 / 60 dB	
Spurious and Image Rejection	65 dB	
Audio Output	500 mW @ 4 Ohms 10% THD	
Transmitter Specification: measured by TIA/EIA-603		
Output Power	5 / 1 W	
Modulation	16K0F3E, 11K0F3E	
Conducted Spurious Emissions	65 dB below carrier	
FM Hum & Noise	45 / 40 dB	
Audio Distortion	< 3 % @1kHz	

Applicable MIL-STD

Standard	MIL 810C Methods/ Procedures	MIL 810D Methods/ Procedures	MIL 810E Methods/ Procedures	MIL 810F Methods/ Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II
High Temperature	501.1/Procedure I	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I	502.3/Procedure I, II	502.4/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II
Solar Radiation	505.1/Procedure I	505.2/Procedure I Cat. AI	505.3/Procedure I Cat. AI	505.4/Procedure I Cat. AI
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4/Procedure I
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4/Procedure I
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III
Vibration	514.2/Procedure X	514.3/Procedure I Cat. 10	514.4/Procedure I Cat. 10	514.4/Procedure I Cat. 24
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, V

Industrial Communications
1019 E. Euclid Ave, San Antonio, TX 78212
Toll Free – (800) 447-8475
Fax – (210) 226-1100
www.indcom.net

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Full Line Wireless Communications Specialist