VX-350 SERIES

VHF/UHF Portable Radios



VX-350 SERIES VHF/UHF Portable Radio

LONG BATTERY LIFE MORE THAN 15 HOURS WITH 2000 mAh LI-ION BATTERY FNB-V96LI

The VX-350 Portables may be equipped with advanced FNB-V96LI Lithium-Ion Battery Packs with 2000 mAh of capacity, for operating times of more than 15 hours, even when using 5 Watts (5-5-90 duty cycle, w/saver).

| Battery | Saver ON (RX:STBY 1:4) | Saver OFF |
|--------------------|------------------------|-----------------|
| FNB-V96LI 2000 mAh | 15.5 (15) hrs | 13 (12.5) hrs |
| FNB-V95LI 1800 mAh | 14 (13.5) hrs | 11.7 (11.3) hrs |

WIDE BANDWIDTH

For communicating with other agencies, companies, or even within your own communucations system, the wide bandwidth of this radio will let you operate anywhere within the 40 MHz (VHF) or 70 MHz (UHF) band.

8-CHARACTER ALPHANUMERIC DISPLAY (VX-354)

Providing indication of either the channel number or an Alphanumeric Channel Label of up to 8 characters, the LCD display also provides convenient operation function icons to provide instant recognition of radio status. Including signal strength indicator and battery gauge.

500 mW LOUD AUDIO WITH LARGE 36 mm SPEAKER

Ideal for reception in noisy environments, the VX-350's high—powered audio is coupled to a large 36 mm internal speaker, assuring solid copy throughout difficult crowd control, fire, or sporting-event operations.

COMPACT AND RUGGED CONSTRUCTION

Weighing just 310 g and measuring just 58 x 105 x 33 mm (WHD) the VX-350 is ideal for business, industry, and public safety applications where light weight and compact size are important.

WIDE/NARROW BANDWIDTH PER CHANNEL

When programming radios for use in different jurisdictions, the VX-350 Series portables may be set up, channel by channel, for use in 12.5 kHz, 20 kHz, or 25 kHz channel spacing environments. Deviation and bandwidth are automatically set according to the configuration you choose.

BUILT-IN EMERGENCY FEATURE

With the built-in emergency feature, you are never alone. Any softkey can be programmed for Emergency operation. When activated, the radio will go to a designated channel, broadcast the unit ID and transmit live audio for pre-determined intervals.

Specifications

| | VHF | UHF | |
|-----------------------------|---------------------------------------|-----------------------------|--|
| General Specification | | | |
| Frequency Range | 134 -174 MHz | 400 - 470 MHz | |
| | | 450 - 520 MHz | |
| Number of Channels | 16 | 16 | |
| Power Supply Voltage | 7.4 V DC | 7.4 V DC ±20 % | |
| Channel Spacing | 12.5/20/25 kHz | | |
| Battery Life (5-5-90 duty) | dEE hrs (d2 hrs w/s source) | 15 hrs (12.5 hrs w/o saver) | |
| w/FNB-V96LI (2000mAh) | 15.5 his (15 his wo saver) | | |
| Operating Temperature Range | -30° C to | C to +60° C | |
| Frequency Stability | ±2.5 ppm 50 Ohm | | |
| RF Input-Output Impedance | | | |
| Dimension (W x H x D) | 58 x 105 x 33 mm | | |
| Weight (Approx.) | 310 g (w/FNB-V96LI,Antenna,Belt Clip) | | |

2-TONE ENCODE AND DUAL 2-TONE DECODE

The VX-350 Series can transmit a 2-Tone paging call, and can receive 2-Tone calls using different tone combinations. For advanced network or fleet operations, a 5-Tone Encoder-Decoder circuit is included in the VX-350 Series.

DTME ANI

(): UHF version

A DTMF Automatic Number Identification string may be programmed into the VX-350, providing the dispatcher with a multiple-digit confirmation of the transmitting portable's identity.

DTMF PAGING (OPTION) The optional FVP-25 board adds a DTMF paging decoder. With DTMF you can Stun, Kill and Alert.

ENCRYPTION (OPTION) VOICE INVERSION, ROLLING CODE The FVP-35 and FVP-36 Encryption Units provide security for your important public safety and security communications. A DTMF Paging function is also included in the FVP-25 module, for selective calling.

MDC-1200[®] / GE-STAR[®] ANI ENCODE (OPTION) Automatic Number Identification, triggered by the pressing of the PTT key, is available in the most popular industry-standard formats, via the optional VME-100.

OTHER FEATURES

 VERSATILE SCAN (PRIORITY, DUAL WATCH, FOLLOW-ME AND TA SCAN)
CTCSS / DCS ENCODE AND DECODE ●ARTS™ (AUTO-RANGE TRANSPOND SYSTEM) PC PROGRAMMING PRADIO-TO-RADIO CLONING

| Applicable | Applicable MIL-STD (Pending) | | | | | | | |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--|--|--|--|--|
| Standard | MIL 810D Methods/Procedures | MIL 810E Methods/Procedures | MIL 810F Methods/Procedures | | | | | |
| Low Pressure | 500.2/Procedure I. II | 500.2/Procedure I, II | 500.3/Procedure I, II | | | | | |
| High Temperature | 501.2/Procedure I, II | 501.3/Procedure I, II | 501.4/Procedure I, II | | | | | |
| Low Temperature | 502.2/Procedure I, II | 502.3/Procedure I, II | 502.4/Procedure I, II | | | | | |
| Temperature Shock | 503.2/Procedure I | 503.3/Procedure I | 503.4/Procedure I, II | | | | | |
| Rain | 506.2/Procedure II | 506.3/Procedure II | 506.4/Procedure I, III | | | | | |
| Humidity | 507.2/Procedure II. III | 507.3/Procedure II, III | 507.4 | | | | | |
| Salt Fog | 509.2 | 509.3 | 509.4 | | | | | |
| Dust | 510.2/Procedure I | 510.3/Procedure I | 510.4/Procedure III | | | | | |
| Vibration | 514.3/Procedure Cat. 10 | 514.4/Procedure Cat. 10 | 514.5/Procedure Cat. 24 | | | | | |
| Shock | 516 3/Procedure I | 516.4/Procedure I | 516.5/Procedure I | | | | | |

| VHF measured by TI 0.25 ∝V | UHF A/EIA-603 |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| | A/EIA-603 |
| 0.25 xV | |
| | 0.25 xV |
| 65 / 60 dB (25 kHz/12.5 kHz) | |
| 65 / 60 dB (25 kHz/12.5 kHz) | |
| 65 dB | |
| 500mW @ 4 ohms 5% THD | |
| measured by TIA/EIA-603 | |
| 5 / 1 W | 5 / 1 W |
| 16K0F3E, 11K0F3E | |
| 65 dB below carrier | |
| 45 / 40 dB (25 kHz/12.5 kHz) | |
| < 3 % @1kHz | |
| | 65 / 60 dB (25 65 / 60 dB (25 65 500mW @ 4 c measured by TI 5 / 1 W 16K0F3E, 65 dB belo 45 / 40 dB (25 |

Specification may be changed without notification



Г

US Headquarters

Vertex Standard

VERTEX STANDARD CO., LTD.

4-8-8 Nakameguro, Meguro-ku, Tokyo 153-8644, Japan For our latest product news, visit us on the Internet: http://www.vxstd.com

VIVA-TELECOM.RU

| - YAESU EUROPE B.V | | | |
|--------------------------------------------------------------------------------------------|------------------------|--|--|
| P.O. Box 75525, 1118 ZN Schiphol, The Netherlands | Phone +31 20-5005270 | | |
| YAESU UK LTD. http://www.yaesu.co.uk Email: sales@yaesu.co.uk | | | |
| Unit 12, Sun Valley Business Park, Winnall Close Winchester, Hampshire, SO23 0LB, U.K. | Phone +44 196 286 6667 | | |
| - VERTEX STANDARD HK LTD. http://www.vxstd.com.hk | | | |
| Unit 5, 20/F., Seaview Centre, 139-141 Hoi Bun Road, Kwun Tong, Kowloon, Hong Kong | Phone +852 2732 2288 | | |
| -VERTEX STANDARD AUSTRALIA F | YTY. LTD. —— | | |
| Normanby Business Park, Unit 14/45 Normanby Road Notting Hill 3168, Victoria, Australia | Phone +61 3 95182100 | | |

VERTEX STANDARD http://www.vertexstandard.com

10900 Walker Street, Cypress, CA 90630, U.S.A.

Phone +1 714-827-7600

2007.0405NA(EXP)