Compact yet incredibly rugged, the VX-110 2-meter handheld is designed to perform under the most difficult operating conditions, and it’s especially designed with the ease of operation you’ve come to expect from a Yaesu product. The VX-110’s die-cast aluminum case houses a large, high-output speaker, and the illuminated keypad provides easy viewing during nighttime operation.

You need a radio that’s as tough as your operating environment. You need the Vertex VX-110 from Yaesu!

- Frequency Range
  RX 140~174 MHz
  TX 144~148 MHz
- 5 Watts Power Output
- 209 Memories
- Simple 8-Key Operation
- 7-Digit Alphanumeric Memory Labels
- CTCSS and DCS Encode/Decode
- Omni-Glow™ Display Illumination
- 9 DTMF Auto-Dial Memories (16 digits each)
- Automatic Repeater Shift (ARS)
- ARTS™ (Auto-Range Transponder System)
- Wide/Narrow Deviation Selection
- TX and RX Battery Savers
- Time-Out Timer (TOT)
- Smart Search™ Auto Memory Loading
- Automatic Power-Off (APO)
- 1750 Hz Tone Calling for European Repeaters
- MIL-STD 810D/E
- Busy Channel TX Lock-Out (BCLO)
- Battery Voltage Meter
- ADMS-1F PC Programmable
## SPECIFICATIONS

### GENERAL

**Frequency Coverage:**
- Rx 144–146 MHz (B1), 140–174 MHz (B2)
- Tx 144–146 MHz (B1), (B2)

**Channel Steps:**
- 5, 10, 12.5, 15, 20, 25 & 50 kHz

**Standard Repeater Shift:**
- 600 kHz

**Emission Type:**
- G3E

**Supply Voltage:**
- 6.0 to 16.0 VDC

**Current Consumption:**
- Receive: 130 mA
- Transmit (HIGH: 5 W): 1.3 A
- (MID: 2 W): 800 mA
- (LOW: 0.5 W): 500 mA
- Auto Power Off: 8 mA

**Antenna (SMA jack):**
- YHA-62 rubber flex antenna

**Case Size (WHD):**
- 58 (W) x 108.5 (H) x 26.5 (D) mm

**Weight (approx.):**
- 325g w/FNB-64 & antenna

---

### RECEIVER

**Circuit Type:**
- Double-Conversion Superheterodyne

**Sensitivity (for 12 dB SINAD):**
- Better than 0.16 μV

**Adjacent Channel Selectivity:**
- Typical 70 dB

**Intermodulation:**
- Better than 60 dB below Carrier

**Audio Output:**
- Better than 5 kHz

**Power Output:**
- 5.0/2.0/0.5 W @ 7.2 V

### TRANSMITTER

**Frequency Stability:**
- Better than ±5 ppm

**Maximum Deviation:**
- 5 kHz

**Spurious Emissions:**
- Less than 5 % w/3 kHz Deviation

**Audio Distortion (@ 1 kHz):**
- 2 kΩ Condenser

**Microphone Type:**
- 1750 Hz

**Burst Tone:**
- 1750 Hz

---

## OPTIONS AND ACCESSORIES

- **FNB-64:** 7.2 V, 700 mAh Ni-Cd Battery Pack
- **FNB-V57:** 7.2 V, 1100 mAh Ni-Cd Battery Pack
- **FBA-25:** Compact Dry Cell Battery Case for 6 AA-size cells
- **NC-72B:** 120 VAC Compact Wall Charger for FNB-64
- **NC-72C:** 240 VAC Compact Wall Charger for FNB-64
- **NC-72F:** 220 VAC Compact Wall Charger for FNB-64
- **NC-73B:** 120 VAC Desktop Rapid Charger
- **NC-73C:** 240 VAC Desktop Rapid Charger
- **MH-34B4B:** External Hand Speaker/Microphone
- **MH-37A4B:** Earpiece/Microphone
- **VC-25:** VOX Headset
- **E-DC-5B:** E-DC-5B
- **E-DC-6:** DC Cable: plug and wire only
- **CN-3:** BNC-to-SMA Adapter
- **CT-44:** Microphone Adapter
- **YHA-62:** Rubber Flex Antenna
- **CT-27:** Cloning Cable

Sixteen-key VX-150 model (w/direct frequency and DTMF entry) also available

---

Specifications are subject to change, in the interest of technical improvement, without notice or obligation. Performance measurements are per EIA standards, unless noted otherwise. Comparative performance and other statements are based on market conditions as of the printing date of this brochure.

About this brochure: because of printing process tolerances, the actual color hue or color density of product images shown in this brochure may be slightly different from that of the manufactured product. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details. Specifications guaranteed only within amateur bands.

We reserve the right to make changes at any time in equipment, optional accessories, specifications, model number, and availability.

---

Yaesu Standard Co., Ltd.
4-8-8 Nakameguro, Meguro-ku, Tokyo 153-8644, Japan

For the latest Yaesu news, visit us on the Internet:
http://www.vxstdusa.com  http://www.yaesu.co.uk

---

VERTEX STANDARD US Headquartes
17210 Edwards Road, Cerritos, CA 90703, U.S.A.
International Division
8350 N.W. 52nd Terrace, Suite 201, Miami, FL 33166, U.S.A.

---

Yaesu Europe B.V.
P.O. Box 75525 1118 ZN, Schiphol The Netherlands

Yaesu UK LTD.
Unit 12, Son Valley Business Park, Winnial Close
Winchester, Hampshire, SO23 0LB, U.K.

Yaesu Standard HK LTD.
Unit 5, 20/F., Seaview Centre, 139-141 Hoi Bun Road
Kwun Tong, Kowloon, Hong Kong

---

2000.05NA B9200283 Printed in Japan