## **AIR BAND TRANSCEIVER**





# **Vertex Standard Presents the Ultimate Air-Band Transceiver**

## Air Band Operation, VOR Navigation, FM Broadcast. and US BRS Band Receiption included

The multiple capabilities of the VXA-710 Spirit yield unmatched operating and monitoring opportunities for the owner on the go! Besides full voice transmit and receive operation on the Air Band, the VXA-710 Spirit also provides extensive VOR and CDI Navigation Broadcast band during down time. And you get the additional monitoring excitement afforded by receiver coverage of the Business Radio Service (BŘS) band, a YAESU exclusive!

#### 160 Memory Channels

(Incl. Pre-programmed "Book" Memories)
The extensive Memory system of the VXA-710 includes 70 "Main" memories, plus ninety pre-programmed "Book" memories, for quick and easy recall of often-used frequencies. The memories may be labeled with a title, for quick recognition.

#### Submersible (IPX7)

The VXA-710's case, speaker enclosure, and controls are carefully sealed against water ingress, allowing the transceiver to be specified for protection against water ingress per IPX7 specifications (immersion to 3 feet/1 m for 30 minutes). So you need not fear using your VXA-710 during severe weather.

#### Rugged Magnesium Die-Cast Construction The unmatched ruggedness of the VXA-710 is coupled

with ultra-light weight, thanks to the die-cast magnesium case and chassis construction. Rubber bumpers on the bottom corners of the case protect it against damage from every-day bumps and



Supplied Rechargeable Lithium-Ion Battery

The VXA-710 is supplied with a super-long-life 7 V, 1500 mAh Lithium-Ion Battery Pack (FNB-80LI), charging without the "memory" effects that can plague other battery types. With the optional CD-15A Charging Stand and PA-48B/C AC Adapter, the FNB-80LI may be charged in as little as 2.5 hours, so you'll quickly be ready for more operating action!
And the optional FBA-23 Alkaline Battery Case will accept two "AA" batteries (not supplied) for low-power emergency operation. The VXA-710's EXT DC jack will also accept 12 Volts from the PA-48B/C directly (RX only), or from an external power supply.

## **Receive Battery Saver**

aker Microphone

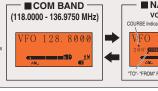
This feature helps maximize battery life by deenergizing the receiver section during periods of no activity, waking the receiver up at user-selected intervals to sample for channel activity. If no activity

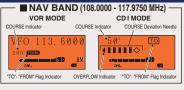
"B" suffix is for use with 120 VAC or "C" suffix is for use with 230-240 VAC

**ACCESSORIES & AVAILABLE OPTIONS** 

## **VOR NAVIGATION: AIR BAND** ■COM BAND







is detected, the Spirit goes back into its "sleep" mode. Current consumption is significantly reduced, thereby maximizing battery life. This feature is only found on Vertex Standard Airband Transceivers.

#### Multi-Color Strobe LED Status Indicator

Among the more innovative features introduced in the VXA-710 is the full-color Strobe LED, which

provides indication of a number of transceiver status items using different colors. Different colors may be selected for each of the above conditions, and a total of 256 color shades are available, for customizing the colors just the way you like them.





**Dot Matrix Display** 

No Airband hand-held transceiver has a display that even compares to the VXA-710's 132 x 64 dot matrix display. Providing clear, easy-to-read indication of frequency and Navigation data alike, the VXA-710's display includes an unparalleled array of graphical and pictorial tools that make operation a breeze

#### **NOAA WEATHER CHANNELS**

The Spirit can receive all 10 NOAA weather broadcast frequencies. The Automatic Active Weather Channel Locator (a Vertex Standard exclusive) automatically scans for active NOAA weather stations in your area when WX hand is selected

#### NOAA "Severe Weather" Alert

The VXA-710 includes a special feature that sounds an alarm when the special "Severe Weather" alert tone is received from a Weather Broadcast station. This warns you of potentially life-threatening flying conditions.

## **Backlit Keypad and Display with Dimmer**

The front panel's keypad and LCD are illuminated in Vertex Standard's renowned Omni-Glow™ amber hue, for excellent visibility and minimal impact on your night vision. The Omni-Glow™ display/key illumination may be configured in a number of battery-saving ways. Both Brightness and Contrast are adjustable. You can set the illumination to appear



CN-3 Antenna Adapter

continuously, or only for a few seconds after a key is pressed. You can even turn the "Busy" Strobe off, for additional battery conservation.

#### One Touch Emergency Frequency Access

For lightning-fast access to the 121.5 MHz Emergency Frequency, a dedicated key on the front panel assures you of no delays in summoning help in an emergency.

#### PC PROGRAMMABLE

The channel configurations can be easily re-programmed in minutes using the optional PC Programming cable (CT-29+CT-97), software (CE75) and your PC. As your operating needs change, you can quickly re-program your Spirit with the important frequency data you need.

#### CTCSS and DCS Decode in BRS Band Receiption

#### **SPECIFICATIONS**

General Frequency Range

TX 118.000 - 136.975 MHz (COM Band), RX 88.000 - 108.000MHz (FM BC Band), 108.000 - 117.975 MHz (NAV Band), 118.000 - 136.975 MHz (COM Band), 151.5125 - 158.400MHz (BRS Channels).

Channel Spacing: Emission Type: Supply Voltage: Current Consumption (app

151.5125 - 158.400MHz (BRS Channels), Weather Channel (WX-01 - WX-10) 5/10/12.5/15/20/25/50/100 kHz
TX: AM
RX: AM

Temperature Range: Case Size (W x H x D): 2. Weight (approx.):

Receiver

Circuit Type: IFs:

Sensitivity:

Double-conversion Superheterodyne 35.4 MHz & 450 kHz (AM / NFM ), 45.65 MHz & 10.7MHz (WFM ), 88-108 MHz: <2 μV (WFM ) 88-108 MHz: <2 μV (for 12 dB SINAD with 1 kHz tone @ 22.5 kHz deviation) 108 MHz-138.975 MHz: <1 μV (for 6 dB S/N with 1 kHz tone @ 30 % modulation) BRS-01-BRS-21: < 0.32 μV (for 12 dB S/N with 1 kHz tone @ 3.5 kHz deviation) WX-01 - WX-10: <0.4 μV (for 12 dB S/N with 1 kHz tone @ 3.5 kHz deviation) WX-01 + WX-10: <0.4 μV (for 12 dB S/N with 1 kHz tone @ 3.5 kHz deviation) MX-MFM: <8 kHz/6 dB.

2 db 3/N with 1 Kn2 tolle \( \text{9.5 Kh2 de} \)

AM/FM: < 8 kHz/-6 dB,

WFM: < 200 kHz/-6 dB

AM/FM: > 25 kHz/-60 dB,

WFM: > 300 kHz/-20 dB

0.4W \( \text{0.4 KH2} \)

0.4W \( \text{0.8 O Mms}, 10 \( \text{0.7 TH2} \)

0.4Th \( \text{0.8 CH2} \) Selectivity: Adjacent Ch. Selectivity:

Transmitter

Frequency Stability:

Modulation System: Spurious Emission: Int. Microphone Type Ext. Mic. Impedance: AM: Low Level Modulation, > 60 dB below carrier Condenser 150 Ohms

#### Supplied Accessories:

Li-ion Battery Pack(7.2 V, 1500mAh) FNB-80LI, Battery Charger PA-48B/C\*, Helical Antenna ATV-9, Headset Cable CT-96, Antenna Adapter (SMA to BNC) CN-3, Operating Manual, Warranty Card

About this brochure: We have made this brochure as comprehensive and factual as possible. We reserve the right, however, to make changes at any time in equipment, optional accessories, specifications, model numbers, and availability. Precise frequency range may be different in some countries. Some accessories shown herein may not be available in some countries. Some information may have been updated since the time of printing; please check with your Authorized Vertex Standard Dealer for complete details

E-DC-6 DC Cable; plug and

wire only



FBA-23
2 x "AA" Cell Battery Case (batteries not supplied) | CD-15A | DC Cable | CD-15A | Desktop Rapid Charger | w/Noise Filter

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