**“BH-1” Bluetooth® Head Set**

When the optional BU-1 Bluetooth® Adapter Unit is installed, you may use the optional BH-1 Bluetooth® Headset as a wireless link to send and receive audio to the Transceiver.*

* Check with your Vertex Standard Dealer or Catalog for applicable models.

### Controls & Connections

1. **Microphone**
2. **POWER switch**
3. **VOLUME (–) switch**
4. **VOLUME (+) switch**
5. **LED Indicator**
   - Blinking Blue: When the BH-1 Bluetooth® Headset is correctly recognized by the transceiver.
   - Blinking Red: When the BH-1 Bluetooth® Headset is not correctly recognized by the transceiver.
   - Blinking Red/Blue: Battery Voltage is Low.
6. **PTT switch**
   Press this key to transmit. Release this key to return to receive.
7. **Earphone jack**
   If you use the Marine Transceiver, the BH-1 is not possible to listen to the stereo signal.
8. **SPEAKER**
9. **Earhook**
   You can wear the BH-1 on your left or right ear.

### Pairing

Before you can use your BH-1 for the first time, the BH-1 and the transceiver must be paired. Refer to the BU-1 Bluetooth® Adapter Unit Manual for Pairing instructions.

1. Make sure that the BH-1 is off.
2. Press and hold the POWER switch for five seconds, until the LED indicator blinks red/blue alternately.

When the BH-1 is correctly recognized (Requires a 20 to 30 seconds) by the transceiver, the LED indicator will blink blue.

### Turning ON and OFF

**To turn the BH-1 ON**

Press and hold the POWER switch for three seconds, until the BH-1’s LED indicator glows red, and the beeper sounds a high pitch tone.

When the BH-1 is correctly recognized by the transceiver, the LED indicator will blink blue.

**To turn the BH-1 OFF**

Press and hold the POWER switch for five seconds, until the BH-1’s red LED indicator blinks rapidly, the beeper sounds two brief tones, and the BH-1 turns off.

*Note:* The BH-1 is automatically turned off when it is inserted into the CAB-2 charger.

### Effective Communications Range

The communications range between the BH-1 and the Transceiver is around 10m (33 ft). Obstacles between the BH-1 and the Transceiver may shorten the communications distance.

If you move out of range, the beeper sounds a low pitch tone. If you move back into range, the beeper sounds a high pitch tone.
Wearing the BH-1

1. Open the earhook.
2. Loop the earhook over your ear.
3. Press the BH-1 to your ear.
4. Adjust the flexible boom microphone by bending the boom towards your mouth.

For more comfort when wearing the BH-1, affix the supplied sponge on the speaker and insert the supplied sponge ball into the earhook, and adjust as necessary.

The BH-1 comes ready to fit the left ear. You may change the BH-1 to fit the right ear in the following procedure.

1. The Earhook is removed by pushing it out with a pointed object.
2. Removed Earhook is inserted from the other side.

Operation

Transmission
Press the PTT switch to transmit, and release the switch to return to receive (Depends on transceiver settings).

Adjusting the Volume level
Adjust the receiver audio level, using the VOLUME (–) or (+) switch.
VOLUME (+): Adjusts the receiver audio level upward.
VOLUME (–): Adjusts the receiver audio level downward.

Battery
When the battery voltage becomes low, the BH-1’s LED indicator will blink red/blue alternately, the beeper sounds a low pitch tone, and a “?” icon will appear on the display of the transceiver.
If the battery has never been used, or its charge is depleted, it may be charged by connecting to the CAB-2 Charger Sleeve, as shown in the illustration.

1. Attach the CAB-2 to the transceiver.
   Please refer to the transceiver’s manual for installation of CAB-2.
2. Insert the BH-1 into the CAB-2.
   Note: The BH-1 is automatically turned off when it is inserted into the CAB-2 charger.
3. If the BH-1 is inserted correctly, the LED indicator will glow red. A fully discharged battery will be charged completely in 3 hours. When charging is finished, the LED indicator will glow blue.

Battery saver
If there has been no signal or key activity for 20 seconds, the Battery Save automatically puts the BH-1 to “sleep”, to conserve battery life.
When a signal is received or the PTT key is pressed the BH-1 will be active again.
Refer to the Transceiver Manual for Battery saver instructions.

Specifications

Bluetooth specification Ver1.2
Bluetooth profiles A2DP, HSP
Radio Frequency 2403 MHz - 2480 MHz
Modulation method GFSK
Transmitter output power 0 dBm Class 2
Receiver sensitivity <-80 dBm
Distance (open area) 32 ft (10 meters)
Audio format SBC
Audio frequency range 100 Hz - 20 kHz
Power supply Rechargeable Lithium-Polymer
Battery life 3 hours
Button/Switch Power On/Off, Volume Up/Down, PTT
LED indicators Power on: Flash blue twice
Unlink: Flash red
Link: Flash blue
Pairing: Red and Blue blinking
Battery low: Flash red and blue
Power off: Flash red 3 times

Operating temperature 32 °F to 104 °F (0 °C to 40 °C)
Operating humidity 5 - 90 %
Certification FCC, CE, BQB

Replacement Parts

Ear hook S8002323
Ear hook sponge S8002325
Speaker sponge S8002324
Wind Screen S8002322
CAB-2 Screw U23316027