

# “BH-1” *Bluetooth*<sup>®</sup> Head Set

When the optional BU-1 *Bluetooth*<sup>®</sup> Adapter Unit is installed, you may use the optional BH-1 *Bluetooth*<sup>®</sup> 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*<sup>®</sup> Headset is correctly recognized by the transceiver.

Blinking Red: When the BH-1 *Bluetooth*<sup>®</sup> Headset is not correctly recognized by the transceiver.

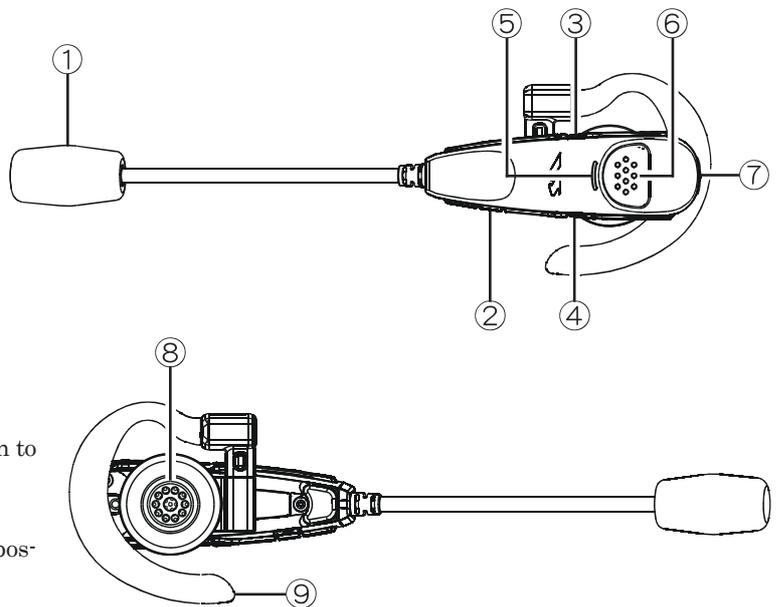
Blinking Red/Blue: Battery Voltage is Low.

- ⑥ PTT switch
- ⑦ Earphone jack
- ⑧ SPEAKER
- ⑨ Earhook

Press this key to transmit. Release this key to return to receive.

If you use the Marine Transceiver, the BH-1 is not possible to listen to the stereo signal.

You can wear the BH-1 on your left or right ear.



BH-1 is not designed to attach to a helmet.

Specifications are subject to change without notice.

## Pairing

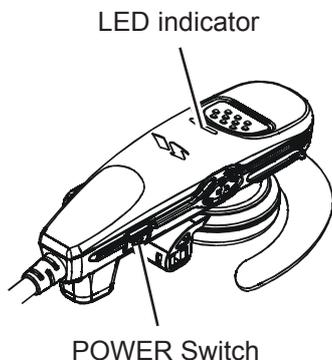
Before you can use your BH-1 for the first time, the BH-1 and the transceiver must be paired.

Refer to the BU-1 *Bluetooth*<sup>®</sup> Adapter Unit Manual for Pairing instructions.

○ Please bring the BH-1 and the Transceiver close together when doing Pairing.

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.



LED indicator

POWER Switch

## 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.

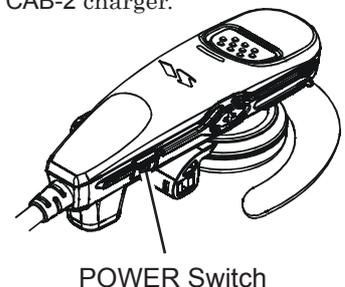
When the BH-1 is correctly recognized by the transceiver, the LED indicator will blink blue.

○ When the BH-1 is not correctly recognized by the transceiver, the LED indicator will blink red.

### 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.



POWER Switch



**STANDARD HORIZON**

Marine Division of VERTEX STANDARD

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### Effective Communications Range

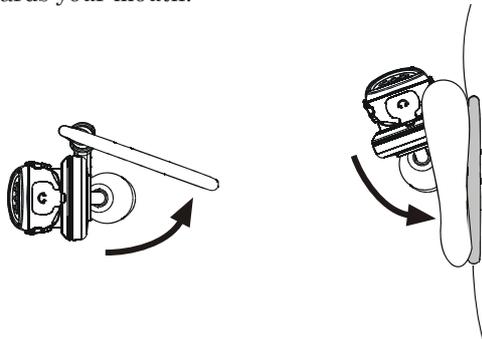
The communications range between the BH-1 and the Transceiver is around 10m (33 ft).

Obstacles between the BH-1 and the Transceiver may shorten the communications distance.

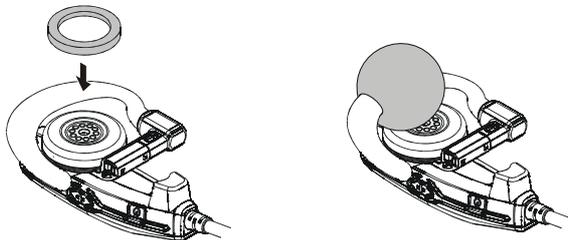
If you move out of range, the beeper sounds a low pitch tone. If you move back into range, the beeper sounds a high pitch tone.

## 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.

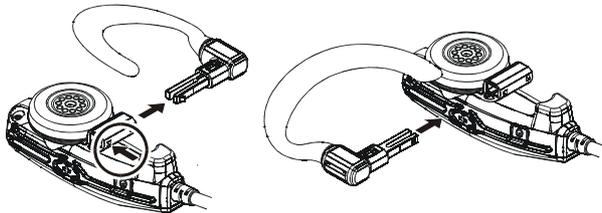


For more comfort when wearing the BH-1, affix the supplied sponge on the speaker and insert the supplied sponge ball into the earhook, and adjust as necessary.



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

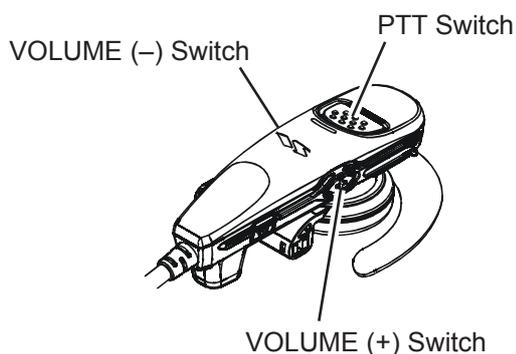
### Transmission

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 "B" 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.

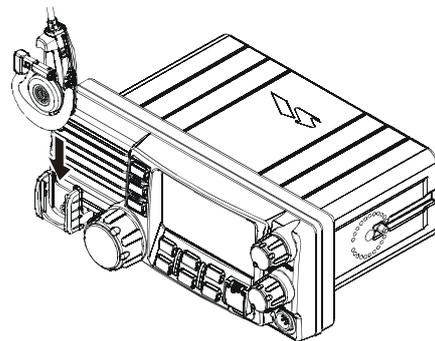
1. Attach the CAB-2 to the transceiver.

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