



BUDDY PHONE® RX-100-D-RO OPERATION INSTRUCTIONS

Buddy Phone RX-100-D-RO:

The RX-100-D-RO record out Buddy Phone is designed as a recording device to be used with all compatible transceivers within range and on the same frequency. Attach the RX-100-D-RO to the body so that there is a clear path with no obstruction between the diver and sound source. Entering the water causes the RX-100-D-RO to power up into receive mode—ready to record a message. The transceiver package contains the electronics, battery compartment, strap retainer, and battery plug.

Low-Battery Alert:

When the battery voltage drops to 6 volts, a short, three tone burst will be heard through the recording device and the diver will hear “Battery Should Be Replaced” at 5 minute intervals. At 5.5 volts of battery power, “Buddy Phone Shutting Down” will be heard through the recording device.

Specifications:

Nominal Range: 50m to 500m, depending on sea conditions and noise levels in the water

Standard Frequency: 32.768 kHz USB

Audio Bandwidth: 300 Hz to 3000 Hz

Automatic Gain: Greater than 80 dB

Transducer: Piezo element

Battery Type: Alkaline 9-volt “transistor” type #522, Ultralife® lithium 9-volt cell, iPowerUS™ Li-polymer rechargeable 9-volt cell (must recharge w/ iPowerUS charger #DC9V-STL-CHARGER)

Maximum Operating Depth: 130 ft. in sea water

Weight In Air: 7 oz.

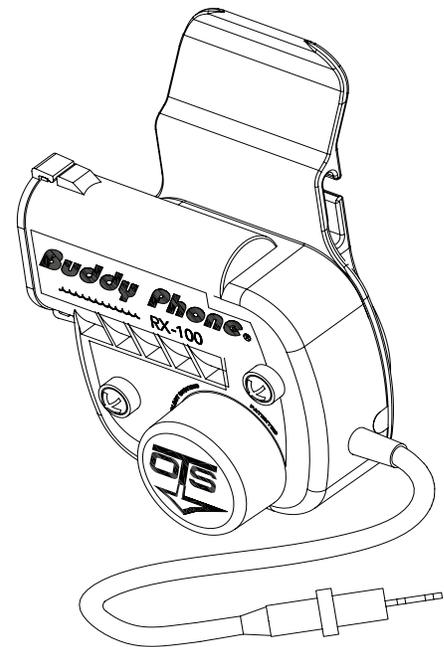


Fig. 1

Battery Installation:

9-volt transistor batteries should be used with the Buddy Phone. Increased battery life can be gained by using lithium or rechargeable Li-polymer batteries.

1. Using the shaft of a small screwdriver (not the tip or point), pry back the battery plug until the latch releases on one side (Fig. 2).

2. Grasp the battery plug and remove it from the main housing.

3. Inspect the o-ring and o-ring surface on the housing, verifying there are no cuts, dirt, or debris.

4. Install a fresh 9-volt battery into the battery compartment, making sure the polarity is correct. If you feel resistance when installing the battery, **do not force it**. Remove the cover and ensure the o-ring is properly lubricated with silicone grease. If no silicone grease is available, lubricate the o-ring with saliva.

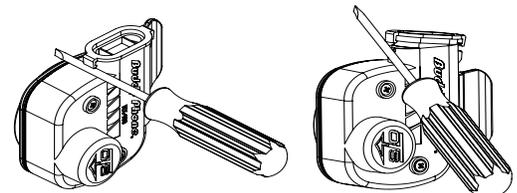


Fig. 2

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