

# SLB-2000 VAC

- + Utilizes the **standard military search and rescue frequency** of 282.8 MHz
- + **Draws power from the SLB-2000**, no additional power source required
- + Integrated **hands-free earbud/microphone** input/output
- + Environmentally **protected, hardened casing**, and mechanical **robustness**
- + **Push-to-talk** functionality with **two LEDs** to confirm power and transmission
- + Simple **volume buttons** to adjust audio output to the environment



## Specifications

### Operational

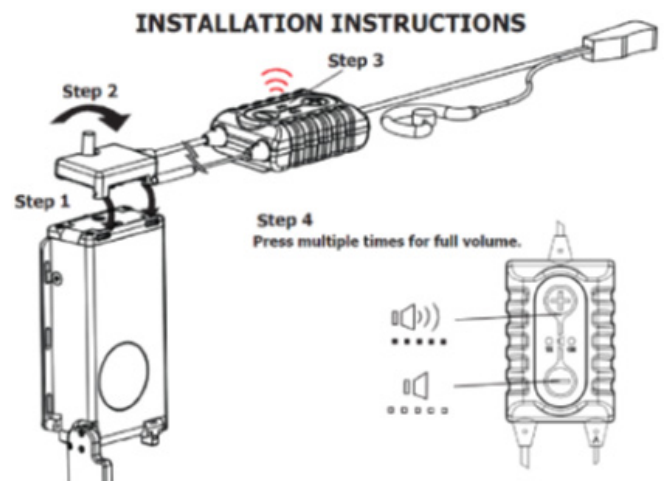
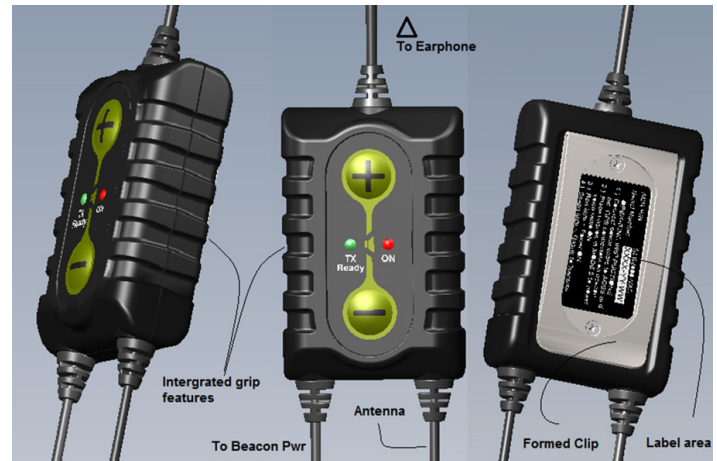
Frequency	282.800 MHz
Output Power	50mW
Temp. Range	-4°F to +131°F (-20°C to +55°C)
Modulation	AM
Sensitivity	2.5uV
Protection	IP-67 inside vacuum-sealed bag IP-54 outside vacuum-sealed bag

### Transmitter

Center Frequency	282.8 MHz ± 30ppm
EIRP	25 mW to 100 mW
VSWR	3:1 or better at any phase angle
Frequency Response	400Hz to 3 kHz @ 3dB
Distortion	No more than 20% for 1000 Hz reference tone, with 80% modulation index

### Receiver

Center Frequency	282.8 MHz ± 30ppm
Selectivity	6dB acceptance bandwidth ≤ 30 kHz attenuate @ 282.8 MHz ± 10 MHz ≥ 40dBc
Interference Reject	Meets sensitivity requirements in the presence of +15dBm signal @ 406 MHz, -10dBm signal @ 121.5 MHz, -10dBm signal @ 243 MHz  Not damaged by input of +10dBm @ 121.5 MHz, +10dBm @ 243 MHz



Manufactured by ACR Electronics, Inc.

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