

STRIDER Field Reference Guide



Power On Sequence

Open Battery Compartment Cover and verify terminals are clear and clean. Load battery compartment with four fresh AA batteries of the same type, in the correct orientation (Red-Positive; Black-Negative). Close and lock Battery Compartment Cover. Connect Control Cable between Control Unit and Sensing Unit. Press and hold On/Vol+ button for 2 seconds.

At start-up, Strider performs its built-in test. The 3 LEDs will flash and tones will be heard. Afterwards, only the **Green** "Power On/Ready" light should remain lit. If other LEDs are lit, see LED Description section below.

If all three LEDs are flashing and an alarm tone is heard, turn Strider Off by pressing and holding Off/Vol- button for 2 seconds. Verify Control Cable connections between Control Unit and Sensor Unit and check Control Cable for damage. Turn Strider On again.

LED Description

Green LED indicates system power is ON and system is ready for use.

Yellow LED indicates detection capability might be reduced (lower probability of detecting targets). Nothing for operator to adjust. Continue to use, keeping steps 1.5 feet or shorter and bottom of Sensing Unit within 4 inches of ground.

Red LED indicates low battery. **Red** LED starts flashing when remaining battery power is 30 minutes for Lithium and 90 minutes for Akaline. **Solid Red** LED indicates batteries are too weak for system to operate properly.

All LEDs automatically change brightness (dimming in dark conditions). No operator control of LED brightness, keep light sensor unobstructed.

Typical Configuration**Audio Tones and Alerts****Self-test Audio Tones**

LEDs flash, along with sequence of 4 tones
Last tone longest in duration

Confidence Click

Short tone (click) every 6 seconds
Indicates system functioning / batteries in good condition

Low Battery Alarm

Clicks every 1.5 seconds and Red Low Battery LED flashes
30 minutes of battery life left for Lithium, 90 min for Alkaline

Very Low Battery Alarm

Constant tone and Red Low Battery LED lit continuously
Batteries are too weak for proper performance

Target Detection Tone

Heard when passing over target
Volume and pitch can increase approaching target
Loitering over target may suppress detection tone

Transition Tone

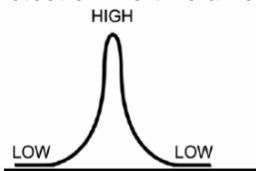
Brief tone when Yellow Low Performance LED changes status and each time volume is adjusted

Fault Tone

Continuous tone with all LEDs flashing indicates Control Cable is damaged/disconnected or system repair is needed

Power Off Tone

Single tone at power off; no LEDs are lit

Detection Alert Volume

← TARGET

Minimizing False Detections and Interference

- DO NOT** carry electronic devices (phone, GPS, PDA) while operating Strider
- Maintain 5 meter separation from handheld detectors and Man Pack CREW systems
- Maintain 10 meter separation from vehicle mounted CREW systems
- Maintain 35 meter separation from Duke v3 CREW systems

Battery Information

- Requires 4 size AA batteries. **DO NOT mix** battery types or old and new batteries
- Lithium - **20 hours** runtime at all temperatures NSN 6135-01-333-6101
- Alkaline - **10 hours** runtime at 70°F, **3 hours** at 20°F NSN 6135-00-985-7845

Contact Information

- For questions, comments, and spare parts, see the local FSR or contact
- NIPR: experiment.fix@arl.army.mil
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