

FRED Light[™]

Flashing Roadside Emergency Disk[™]



User's Manual

Thank you for purchasing the FRED Light™ by Wagan Tech®. With normal care and proper treatment it will provide years of reliable service. Please read all operating instructions carefully before use.

WARNINGS

- Always consult your local highway safety guidelines for appropriate use and placement when using in emergency roadside situations.
- After prolonged use in wet environments, remove the battery cover and check for any moisture or condensation. Allow the unit to dry out before re-use.
- All batteries discharge over time. Replace batteries every 6 months.
- This product contains strong magnets that may cause interference with pacemakers and other implanted medical devices when placed within a close proximity. Keep this product at least 6 inches from your chest if you have a pacemaker.

FEATURES

The FRED Light™ has 10 flash patterns, including the U.S. Coast Guard approved "SOS" morse code. It runs up to 38 hours in single-blink mode with AAA Alkaline batteries (3 per unit).

- Superior Visibility: Super-bright LED array can be seen up to a mile at night and also bright enough to provide extra protection during the day as well.
- Lateral illumination: 360° coverage is provided (a common weakness of other emergency lights).
- Attachable: Strong magnetic backing allows flare to stick well to vehicles and extendable hook can be used to fasten flare to backpacks and saddlebags.
- Compact: FRED Light™ units are about the size of a hockey puck. They can be mounted or stored just about anywhere on your bike.
- Versatile: FRED Light™ units can be used for emergencies such as traffic control, a warning light, and a rescue beacon. They can also be used for recreational activities such as camping and biking.
- Watertight: Great for rainy weather and marine applications.
- Non-reactive: Flares can be used in places where old-fashioned flares would be dangerous, such as in dry brush or in the presence of gasoline.

SPECIFICATIONS

Unit Size	4.0 in. x 4.0 in. x 1.3 in.
Unit Weight	0.4 lbs
LED Type	12,000 mcd
LED Quantity	15
Light Patterns	10
Visibility	360° up to 1 mile
Battery Requirements	3x AAA per unit
Material	Polycarbonate (PC) Thermoplastic Elastomer (TPE)
Load Capacity	0.5 ton
Storage Temperature	-40°F to 140°F
Construction	Antislip Casing, Magnetic Base, Shatterproof, Floats, Rainproof (IP55)

USAGE

If your unit comes with batteries installed, there is battery separator that needs to be removed prior to use. See Battery Replacement section for instructions.

- To turn unit ON: Click the power button.
- To change mode: Press the power button gently until desired flash pattern is found.
- To turn unit OFF: Click the power button.

Flash Pattern	Maximum Run Times
3 LED Flashlight	6 Hours
Double-Blink	9 Hours
Double-Pulse	9 Hours
Single-Blink	38 Hours
Rotate	9 Hours
SOS Rescue (Morse Code)	15 Hours
Alternate	9 Hours
Solid-On High	5 Hours
Solid-On Low	28 Hours
2 LED Flashlight	9 Hours

BATTERY REPLACEMENT

1. Unscrew the two screws completely on the bottom of the unit.
2. Note the orientation of the two tabs at top.
3. Pull firmly on the plastic tabs to remove the cover plate.
NOTE: The FRED Light has a very tight, waterproof seal. Initial seal may be difficult to open. If you cannot do it with your hands, you can use either a flat head screw driver or similar tool to pry open the unit at the plastic tabs (flanges).
4. Replace the batteries in the proper orientation shown on the battery holder. Always replace the whole set of batteries at one time, taking care not to mix old and new ones or batteries of different types.
5. Align the two tabs on the battery cover to the notches on the outer enclosure. Cover will not seal properly if not aligned to the notches.
6. Secure the screws to ensure proper seal.

