



Monitor Employee Safety Anywhere

Portable satellite & cellular base station

Blackline Safety has introduced the industry's most comprehensive employee safety monitoring system for remote operations—the Loner Bridge System. Comprised of two parts, this system includes the Loner Bridge portable satellite and cellular base station and the Loner 900 employee-worn safety monitoring device.

Loner® Bridge communicates with up to ten Loner 900 devices through an industrial-quality 900 MHz radio link. Loner 900 devices are able to operate up to 2 km away from Loner Bridge without requiring a line of sight to maintain communications. Employees can reliably work indoors with confident monitoring.

Incorporating dual-mode satellite and cellular uplinks, Loner Bridge communicates all received Loner 900 safety alerts and employee locations to Blackline Safety's hosted monitoring infrastructure. Loner Bridge automatically and seamlessly transitions to satellite communications when beyond cellular networks. Loner Bridge features internal GPS location technology and can provide organizations with a simple alternative to elaborate fleet management systems. Its location provides an additional point of reference that can aid the coordination of an efficient emergency response to an employee's precise location, when required.

Loner Bridge is self-powered and portable, allowing users to quickly move it from one vehicle to another, such as from a work truck to an all-terrain vehicle. If they run into trouble, monitoring personnel can be reached via two-way text messaging.

Loner Bridge was designed for extreme conditions—when plugged into a charger or optional hard-wiring cable, Loner Bridge's display is heated when the temperature drops for a responsive user interface at all times.

Protect the safety of your workforce with Loner safety monitoring solutions.



Portable

Move from vehicle to vehicle in seconds



Dual mode Communications

Satellite & cellular radio links for universal coverage



900 MHz Communications

Industrial-grade, license-free 900 MHz radio link



Heated Liquid Crystal Display

Responsive user interface at cold temperatures



IP65 Sealed design

Durable and weatherproof for extreme field use



Flexible Mounting

Magnetic, multi-purpose, and truck/pole options



Designed for Work Crews

TeamAlert® empowers local response



Two-way messaging

Monitoring personnel are just a message away

Specifications

Size & Weight

Size: 73 mm W x 107 mm D x 141 mm L (2.87" x 4.21" x 5.55") | Weight: 540 g (19.04 oz)

Buttons & Indicator Lights

Power button: Power on/off | **Red indicator light array plus buzzer:** Safety alert
Green indicator light: Blinking (powered), continuous (connected)
LCD Screen: display menu, battery status, communication link status
Menu Navigation buttons: Up, Down, OK

User Notification

Indicators: Acoustic buzzer, indicator lights | **LCD Screen:** display notifications/messages from monitoring team, heated at cold temperature when charging

Wireless Communication

Radios: Quad-band GSM/GPRS (850 and 1900 MHz), Iridium Satellite (1621 MHz), 900 MHz Radio (902.0-928.0 MHz, 1 Watt) | **Antennas:** internal | **Communication:** real-time, bidirectional

Location Technology

GPS Radio: 48 channel high sensitivity | **GPS Antenna:** internal Ultimate Sense GPS antenna | **GPS Accuracy:** ~5 m (16 ft) outdoors, ~50 m (165 ft) indoors | **Real-time location turnaround time:** ~20 seconds

900 MHz Radio Link Range

General use: up to 2 km | **Hilltop to hilltop:** 10+ km, terrain, foliage, and buildings will affect overall 900 MHz radio link range

Alert Messages

Emergency, Low Battery, Power-off, messaging to monitoring personnel

Mobile Messaging Methods

Email, text message (SMS)

Power & Battery

Rechargeable Li-ion battery: 6800 mAh capacity | **Battery life:** 44 hours @ 20° C (68° F), 30 hours @ -20° C (-4° F) | **Charging connector:** Micro USB

Environmental

Storage temperature: -50 to 75° C (-58 to 167° F)
Operating temperature: -40 to 55° C (-40 to 131° F)
Charging temperature: -20 to 45° C (-4 to 113° F)
Ingress Protection: Designed to meet IP65

Regulatory Compliance

FCC, IC, RoHS | FCC ID: W77BLGSM1, Q639602, and KQNMLINK900, IC: 7830A-BGS2, 4629A-9602, and 2361A-MLINK900

Device Requirements

Activation within Loner Portal, service plan, GPS coverage for locating, cellular coverage or line-of-sight to Iridium satellites for communication, 900 MHz radio link to one or more Loner 900 devices for monitoring

Warranty

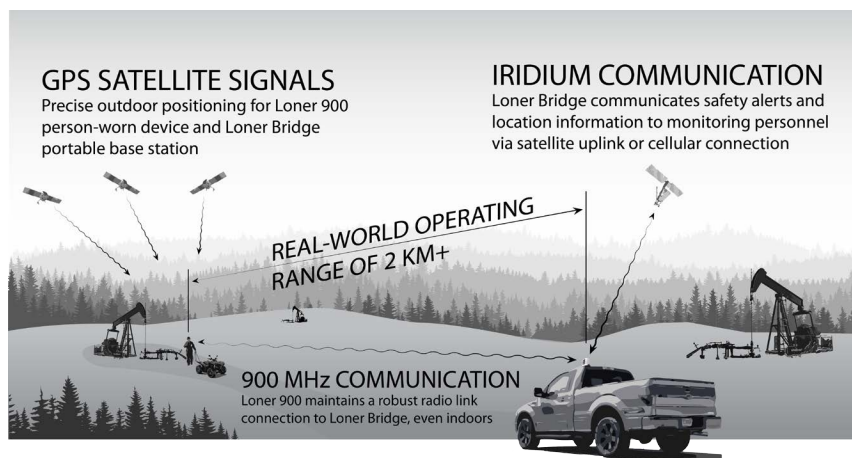
One year limited factory warranty

Loner Portal Web Application

Features Include: Alarm banner, event history, device location mapping, device management, alert & notification settings and more.

Wireless Coverage and Activated Service Plans

Cellular coverage: Service Group A offers over 100 countries, additional countries available | **Satellite coverage:** Global | **900 MHz operation:** ITU Region 2 (Americas, Greenland, Eastern Pacific Islands) | **Service plan options:** Contact Blackline



The Loner Bridge System is comprised of Loner Bridge and Loner 900

Highlights

- Global awareness of your workforce's real-time safety
- Improves awareness of remote workers' safety
- Quickly mobilize an emergency response by mapping worker locations in Loner Portal
- Real-time safety alerting increases awareness of safety incidents
- Achieves regulatory compliance as required in some regions
- Reduces mobile worker anxiety about safety
- An automated system that does not require manual worker check-in
- Immediate alert is triggered if the worker is incapacitated
- High capacity battery provides up to 44 hours of operation
- Customizable location scheduling provides bread-crumbs of worker vehicle locations
- Easy training for workers and monitoring personnel
- Affordable for both small business or enterprise deployment
- Loner Background Services alert monitoring personnel even when Loner Portal is not used
- Emergency escalation list provides multiple layers of alerting to ensure an incident is addressed
- Loner Web Services enable software developers to integrate safety monitoring within a call center
- Easy-to-use web-based Loner Portal for efficient setup and mapping
- Customizable Loner Portal account implementation for diverse customer needs.
- Sharing of Loner devices across multiple Loner Portal user accounts
- Firmware upgradable over-the-air to accommodate future enhancements
- Web-hosted Loner Portal user account—no software to install

