

The Loner Bridge system is Blackline Safety's satellite solution for working in remote areas. The Bridge is the communicator that connects to the satellite network while the Loner 900 is the person worn safety monitoring device that connects to the Bridge using a 900 MHz radio link.

It is important when mounting the Bridge that it is positioned with a clear line of sight to the sky so that the Bridge can communicate with the satellite system unobstructed. It is equally important to ensure the Bridge is placed in a spot as high as possible on the vehicle to ensure maximum distance for the 900 MHz radio link between the Loner 900 and the Bridge.

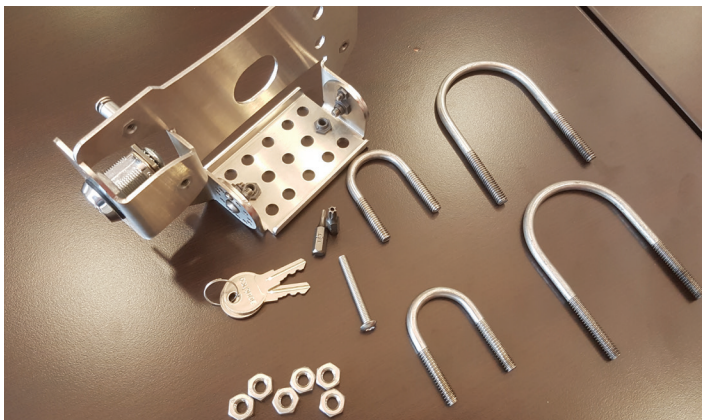
The Bridge device is completely portable and can be permanently or temporarily installed depending on specific needs. Below are a list of examples of both temporary and permanent mounting of the Bridge on a vehicle.

EXTERNAL MOUNTING

The Loner Bridge can be installed externally on the vehicle using different external mounts depending on what the vehicle is equipped with.

Post/Bed Rack/Roof Rack

Install: 15 minutes



External Bridge mount with u-brackets

External Anchor Points

Install: 15 minutes



Anchor points



Bridge mounted to roof rack using external bridge mount and u-brackets



Bridge mounted to pole using external bridge mount and u-brackets



Bridge mounted to the anchor points on a truck bed rail pop-out

- External Bridge mount comes with different sized u-brackets for easy attachment
- Can be attached to bed rack, pole, roof rack, etc. using the u-brackets
- Screw the Multi-purpose mount to the u-bracket bridge mount plate
- Snap the Loner Bridge into the multi-purpose mount's release clip
- Ensure the bridge is placed upright with a clear view of the sky
- Anchor points and an external Bridge mount can be used to mount the Bridge on the truck bed rail pop-outs
- Screw the anchor point into the truck bed rail pop-out
- Attach the external bridge mount to the anchor point using screws
- Screw the multi-purpose mount to the external Bridge mount plate
- Snap the Loner Bridge into the multi-purpose mount's release clip
- Ensure the bridge is placed upright with a clear view of the sky

Tool Box Mounting

Install: 15 minutes



Bridge mounted to tool box using external bridge mount

- The Bridge can be secured to the tool box if the tool box sits outside of the truck bed and if the Bridge can receive a clear line of sight to the sky
- Using the external bridge mount, screw the bridge mount to the side of the tool box (not to the lid or where the tool box would open)
- Screw the multi-purpose mount to the bridge mount and snap the Loner Bridge into the multi-purpose mount.
- Ensure the Bridge display is facing outwards for operation

Magnet Mount

Install: 5 minutes



Bridge mounted to the top of a vehicle using the magnet

- The bridge can be attached to the roof of the vehicle magnetically using the magnet mount
- Snap the Loner Bridge into the magnet mount and place on the roof of the vehicle
- Ensure the bridge is placed upright with a clear view of the sky

INTERNAL MOUNTING

The Loner Bridge can be installed directly under a front windshield assuming the windshield is slanted and provides a high degree of visibility to the sky.

Permanent Dash Mounting

Install: 20-30 minutes



Multi-purpose clip, accessory dash plate on a F-150 dash tray and the picture of the Bridge on the dash



Bridge internally mounted on the dash

- Use the accessory dash plate and the multi-purpose mount to screw the mount to the dash
- Remove the dash tray (or portion of dash you want to mount to). The multi-purpose mount will be screwed to the top of the dash while the dash plate will be used underneath the dash to secure the mount in place
- Alternatively, the accessory dash plate can be screwed directly to the top of the dash, and the magnet mount can be used to magnetically attached the Bridge to the dash plate. This allows the Bridge to be easily removed if needed

NOTE: This option is best suited for Ford F-150s that have a dash tray that is easily removed or replaced so that you do not have to drill directly into your dashboard.

HARDWIRING THE LONER BRIDGE

The Bridge system has a 50-hour battery life and can be charged using a regular power outlet, including the USB port or cigarette socket in a vehicle. However, it might be beneficial to hardwire the Bridge to the vehicles power system.

Prior to installation, consider the following:

- A location near 12 or 24 VDC power
- A power circuit that is controlled by the ignition key (to avoid battery drainage when vehicle is not in use)
- Loner Bridge consumes up to 1.0A of peak current. Ensure the circuit can handle the additional load

External Hardwiring

Install: 15 minutes



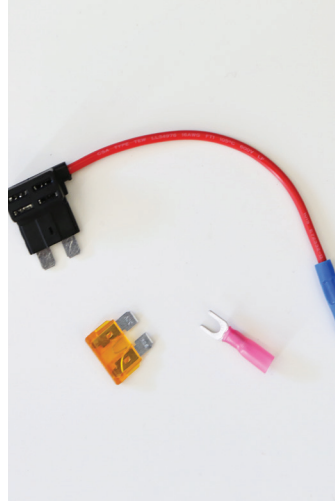
Hardwire kit/cable

- Loner Bridge is hardwired to a vehicles 12/24 VDC power system with the three-wire hardwire Kit/Cable
- Wiring could be done through the center/rear brake light or other external power source (ensure cable is properly grounded)

NOTE: Hardwire cable is 6 ft in length. Additional wire may need to be added to cable depending on required length.

Internal Hardwiring

Install: 30 minutes



Fuse expander accessory for internal hardwiring to fuse box

- Loner Bridge is hardwired to a vehicles 12/24 VDC power system with the fuse expander accessory and the three-wire hardwire kit
- Fuse expander accessory is plugged into the fuse box located on the driver's side
- Once the fuse expander is in the panel, attach the hardwire kit (ensure the cable is properly grounded)
- Hardwire kit cable routing may differ per installation
 - Example of cable routing could be behind the headliner on the driver's side and out the rear brake light to the Bridge on the roof, toolbox or on the truck bed rail if close to the back windshield