



G7 Bridge

Technical User Manual

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WARNINGS

- ▲ **WARNING:** Battery is not user replaceable.
- ▲ **WARNING:** Do not allow children to replace batteries without adult supervision.
- ▲ **WARNING:** Electrical equipment may be hazardous if misused.
- ▲ **WARNING:** Do not use G7 Bridge in areas classified as hazardous locations where there is risk of explosion due to presence of gas, vapor, or dust. Do not place G7 Bridge in or near open flame. G7 Bridge is not certified as intrinsically safe.
- ▲ **WARNING:** Individuals with pacemakers or other medical devices and mechanical implants should use caution when handling the magnetic mount.
- ▲ **WARNING:** G7 Bridge must not block the vision of the driver, impair the driver's operation of the vehicle, or interfere with safety systems such as air bags.
- ▲ **WARNING:** G7x devices cannot connect to G7 Bridge and are not monitored during the G7 Bridge firmware installation process.
- ▲ **WARNING:** G7x is not monitored during the firmware installation process.

1 G7 BRIDGE OVERVIEW

G7 Bridge system is a portable safety monitoring solution that keeps you connected in remote locations inside and outside of cellular coverage. G7 Bridge leverages both satellite and cellular connectivity to wirelessly link G7x devices to Blackline Live via the Iridium satellite network.

G7 Bridge can activate mass-notifications to workers, connect you to monitoring personnel via two-way messaging, and account for workers on a real-time map, providing a reference point to manage the fastest possible emergency response.

1.1 WHAT'S IN THE BOX

G7 Bridge comes with:

- G7 Bridge
- Sealing plug
- Magnetic mount
- Multi-purpose mount
- Adhesive foam pad
- USB cable
- USB power adapter
- Vehicle 5VDC charger
- Quick reference card
- G7 Bridge Technical User Manual

CAUTION: G7 Bridge is shipped with strong magnets. Use caution when handling these magnets to prevent personal or property damage. Ensure G7 devices do not come close to these magnets as doing so can trigger a false SOS alert.

1.2 BLACKLINE SAFETY SERVICES

1.2.1 BLACKLINE SAFETY MONITORING

Depending on your needs and requirements, there are various service plan options available, including the option of 24/7 safety monitoring by Blackline Safety. For more information, please see [Blackline 24/7 Live Monitoring](#). Contact your organization's safety professional for more information regarding the details of your service plan.

1.2.2 BLACKLINE LIVE

Blackline Live monitors your connected G7 Bridge and G7x devices, includes reports and, depending on your plan, business analytics insights.

Blackline Live is where you can create and customize configuration profiles that determine how a device, or a group of devices, operates in the field. G7 data is communicated in real-time. For more information, see [Blackline Live](#).

1.2.3 BLACKLINE ANALYTICS

Blackline Analytics lets you review data collected from your device fleet to make operational decisions, follow up with your team, and ensure everything is running smoothly. Blackline Analytics provides a variety of pre-defined reports and filters to explore your data. For more information, see [Blackline Analytics](#).

1.3 COMMUNICATION

G7 Bridge is equipped with an internal Iridium satellite radio and antenna that facilitates communication when inside or outside the range of cellular networks. The transition between satellite and cellular is automatic and seamless.

NOTE: G7 Bridge automatically uses cellular over satellite communications when cellular communication is available.

One G7 Bridge can link up to five G7x devices to Blackline Live through 2G/3G/4G cellular data or the Iridium satellite network. G7 Bridge communicates with G7x devices through an industrial grade 900 MHz radio link. Personal monitoring devices can operate up to 2 km away from G7 Bridge with limited obstructions. Terrain, foliage, and buildings can reduce the overall range of the 900 MHz radio link.

1.3.1 COMMUNICATION INTERVALS

The following table describes the default communication frequency to Blackline Live for G7x using G7 Bridge.

	Normal Operation	During a High Urgency Event	After a High Urgency Event
G7x	30 min	Immediately (within 5 minutes)	5 min for 1 hr

1.4 HARDWARE DETAILS



1.5 CONNECTIVITY

When connected, G7 Bridge can link G7x devices to Blackline Live. G7 Bridge lets you know its connection status through the green connectivity light.

Blinking green light

A blinking green connectivity light indicates that G7 Bridge is establishing a connection to Blackline Live, which may take up to two minutes. Until G7 Bridge is fully connected, any G7x devices remain disconnected from Blackline Live.

Solid green light

A solid green connectivity light indicates G7 Bridge is connected to Blackline Live.

1.6 BATTERY

G7 Bridge is equipped with a rechargeable battery. The battery provides up to 44 hours of continuous run-time at room temperature. You can charge G7 Bridge using a vehicle 12 or 24 VDC power outlet, USB port, or cigarette socket in a vehicle. G7 Bridge displays the battery level on the LCD screen.

CAUTION: Blackline products contain an internal lithium-ion battery pack. Seek advice from your local electronics recycling authority regarding the disposal of your device.

Blackline Safety recommends charging the battery on a regular schedule. Depending on your needs, you may want to hardwire G7 Bridge to your vehicle power system. See section 2.6 for details.

▲ **WARNING:** Battery is not user replaceable.

▲ **WARNING:** Do not allow children to replace batteries without adult supervision.

2 OPERATION

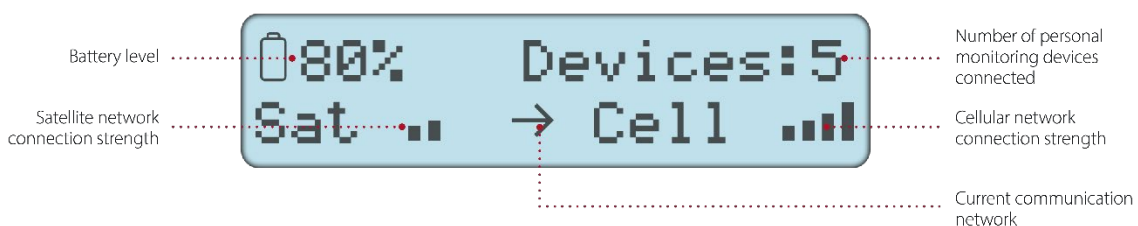
2.1 REQUIREMENTS

To operate G7 Bridge, you need the following:

- A service plan for G7 Bridge
- Line of sight from G7 Bridge to Iridium communication satellites, or sufficient cellular network signal to communicate with Blackline Live
- Sufficient G7 Bridge battery level

CAUTION: Do not operate or store Blackline products outside their specified operating temperature or storage temperature. For more information, see section 9.

2.2 LCD DISPLAY



2.2.1 G7 BRIDGE MENU



To navigate to the menu:

- 1. From the Home screen, press the OK button. The Main menu opens.

2.2.2 LCD SLEEP MODE

To maximize battery life, G7 Bridge goes into sleep mode two minutes after the last button was pressed. Sleep mode turns off the LCD screen to reduce power consumption.

To wake the LCD screen from sleep mode, press any button on G7 Bridge.

NOTE: If the LCD screen does not wake up, the battery level may be low and you must charge G7 Bridge. See section 2.6 for more information.

2.3 G7 BRIDGE BUTTONS

The LCD display and three-button menu system helps you easily interact with G7 Bridge.

	Power button Press power to turn G7 Bridge on and off or return to the Main menu.
	OK button Press OK to enter the Main menu and confirm a menu selection.
	Up and Down Arrow buttons Press the up and down arrows to enter or navigate the menu.

2.4 POWERING ON G7 BRIDGE

To power on G7 Bridge:

1. Confirm that Bridge has a clear view of the sky.
2. Press the power button and wait for the blinking green connectivity light to turn solid. When connected, the green light will remain solid.

2.5 POWERING OFF G7 BRIDGE

You must power off connected G7x devices before you power off G7 Bridge.

When powering off G7 Bridge, ensure it has an unobstructed line of sight to the sky and the green connectivity light is solid. When G7 Bridge is powered off, G7x devices are no longer monitored.

NOTE: G7 Bridge may extend the shutdown sequence until all priority messages are transmitted over the cellular or satellite network.

CAUTION: Power off G7 Bridge before boarding an aircraft. Make sure that it cannot be inadvertently turned on.

To power off G7 Bridge:

1. Press and hold the power button on each connected G7x device. G7x goes into shutdown sequence, sending your log off status to Blackline Live.
2. After all G7x devices are shut down, press and hold the power button on G7 Bridge until it goes into the shutdown sequence.

2.6 CHARGING G7 BRIDGE

G7 Bridge is equipped with a rechargeable battery. The battery provides up to 44 hours of continuous run-time. If G7 Bridge is used as a portable base station, it must be charged regularly. Blackline recommends that you charge your G7 Bridge for up to 10 hours.

▲ **WARNING:** Electrical equipment may be hazardous if misused.

NOTE: G7 Bridge is fully operational but not weatherproof while charging. A weather resistant charging kit is available for purchase. Contact [Technical Support](#) for more information.

To charge G7 Bridge:

1. Remove the sealing plug from the micro-USB charging port.

2. Insert the micro-USB cable into the charging port. A blinking red light beside the battery icon indicates G7 Bridge is charging.
3. Once charging is complete, remove the power cable and replace the sealing plug.

The LCD screen and a solid red light on G7 Bridge indicate the device is fully charged.



NOTE: Charging G7 Bridge with a cigarette lighter while your vehicle is off may drain your vehicle's battery.

2.6.1 CHARGING STATUS

A blinking red light indicates G7 Bridge's battery charging status.

NOTE: If G7 Bridge battery is almost depleted, it may take up to an hour of charging before the red charging light begins to blink.

1 Blink	Battery level is between 0%-19%
2 Blinks	Battery level is between 20%-49%
3 Blinks	Battery level is between 50%-69%
4 Blinks	Battery level is between 70%-89%
5 Blinks	Battery level is between 90%-99%
Solid Light	Battery is fully charged

2.6.2 HARDWIRING BRIDGE

You can hardwire G7 Bridge to your vehicle power system with the External Hardware Kit (ACC-BRG-HRD) to provide continual power to the device. Prior to installation, consider the following:

- Select a location near a 12 or 24 VDC power source.
- G7 Bridge consumes up to 1.0A of peak current. Confirm that the circuit can handle the additional load.

External Hardwire Kit

The external two-wire hardwire kit is used to hardwire into a vehicle's 12/24 VDC power system. Wiring can be done through the center/rear brake light, or another external power source. During installation, confirm that the cable is properly grounded.



NOTE: The hardwire cable is six ft in length. You may need to add, splice, and insulate extra wire to the cable.

2.7 PAIRING G7X DEVICES

G7 Bridge is pre-programmed to specifically pair with your G7x devices. G7 Bridge can connect to up to five G7x devices at one time.

To pair new G7x devices to G7 Bridge:

1. Press OK to open G7 Bridge's menu.
2. Use the up and down arrows to navigate to **Pair new devices**, then press OK.
3. Use the up and down arrows to navigate to **Start**, then press OK. G7 Bridge's screen shows "Pairing started" as it looks for devices.
4. Power on the G7x devices that you want to pair. G7 Bridge pairs with the G7x devices. When the devices are paired, the following occurs:
 - G7 Bridge's main screen shows that it has connected devices.
 - The low urgency notification on G7x turns off.
 - The green connectivity light on connected G7x devices is solid.
 - G7 Bridge screen shows a "Pairing succeeded" message and the Bridge network key.
5. If you are pairing more than five G7x devices, repeat steps 2-5 until all G7x devices are successfully paired.

NOTE: More G7 Bridge devices are needed to pair additional G7x devices. One G7 Bridge can pair with up to five G7x devices.

3 MOUNTING

G7 Bridge is portable and can be permanently or temporarily mounted depending on your needs.

G7 Bridge includes two mounting options:

- G7 Bridge Magnetic Mount (ACC-BRG-MAG)
- G7 Bridge Multi-purpose Mount (ACC-BRG-MUL)

Positioning

Position G7 Bridge with an unobstructed line of sight to the sky to communicate with the Iridium satellite network. When mounted to a vehicle, all-terrain vehicle, snowmobile or boat, G7 Bridge must remain out in open sky, a minimum of 10 m (33 ft) away from any buildings. This helps ensure an unobstructed view to send and receive signals to satellites.

Confirm G7 Bridge is placed as high as possible to maximize the range of the 900 MHz radio link between G7 Bridge and connected G7x devices.

- ▲ **WARNING:** Do not use G7 Bridge in areas classified as hazardous locations where there is risk of explosion due to presence of gas, vapor, or dust. Do not place G7 Bridge in or near open flame. G7 Bridge is not certified as intrinsically safe.

To attach G7 Bridge to a mount:

1. Slide the bottom of G7 Bridge at an angle onto the base of the magnetic or multi-purpose mount, then snap G7 Bridge into the base release clip.



To remove G7 Bridge from a mount:

1. Use a screwdriver, key, or similar tool to push the mount release clip towards the G7 Bridge.
2. Remove G7 Bridge from the mount.



3.1 MAGNETIC MOUNT

You can use the magnetic mount to attach G7 Bridge to the roof of a vehicle. It contains two rare earth magnets providing 224 lbs. of mounting force.

CAUTION: Mount G7 Bridge with caution to avoid scratching vehicle painted surface and pinching your fingers.

▲ **WARNING:** Individuals with pacemakers or other medical devices and mechanical implants should use caution when handling the magnetic mount.



3.2 MULTI-PURPOSE MOUNT

You can use the multi-purpose mount to attach G7 Bridge to a non-magnetic surface. The mount is attached using a double-sided adhesive.

NOTE: The multi-purpose mount is fabricated from glass-filled nylon. If using industrial adhesive, confirm it is appropriate for both nylon and your mounting surface before attaching the mount.

To attach the multi-purpose mount:

1. Confirm that the surface is flat and clean prior to attaching the mount.
2. Remove the backing from the adhesive foam pad, then stick the pad to the bottom of the multi-purpose mount.
3. Remove the second adhesive backing, then firmly press the multi-purpose mount to the flat surface. For best results, allow 24 hours for adhesive bond to set.

Alternatively, you can attach the multi-purpose mount to a surface with a polyurethane industrial adhesive, tie wraps, screw fasteners, or hook and loop fasteners. For these optional methods, the multi-purpose mount has two tie-wrap slots and eight screw hole locations.



3.3 OPTIONAL MOUNTING ACCESSORIES

Blackline Safety offers optional mounting accessories to attach the multi-purpose mount to various surfaces, such as a roof or bed rack, a pole or post, a truck bed rail, a toolbox, or the dash tray inside a vehicle.

Optional mounting accessories available for G7 Bridge include:

- G7 Bridge Mounting Bracket (ACC-BRG-VEH)
- Truck Anchor Points (ACC-BRG-ANCR)
- G7 Bridge Vehicle Multi-Mount (ACC-BRG-VEH)

3.3.1 G7 BRIDGE MOUNTING BRACKET

You can use the G7 Bridge Mounting Bracket to attach G7 Bridge to a vehicle roof rack, bed rack, toolbox, pole, or post. The bracket comes with different U-bracket sizes for easy attachment and a secured locking mechanism with a key for additional security.

To mount G7 Bridge to a roof rack, bed rack, pole, or post:

1. Screw the multi-purpose mount to the G7 Bridge mounting bracket plate.
2. Attach the G7 Bridge mounting bracket to roof rack, bed rack, pole, or post using the appropriate U-bracket size.
3. Slide and snap G7 Bridge into the multi-purpose mount and lock the G7 Bridge mounting bracket with the key.



To mount G7 Bridge to a toolbox:

NOTE: You can mount G7 Bridge to a truck bed toolbox if it has an unobstructed line of sight to the sky. Avoid attaching G7 Bridge Mounting Bracket to a lid, or where the toolbox would open.

1. Screw the multi-purpose mount to the G7 Bridge mounting bracket plate.
2. Screw the plate to the side of the toolbox.
3. Slide and snap G7 Bridge into the multi-purpose mount. Confirm the LCD screen is facing outwards for operation.
4. Lock G7 Bridge mounting bracket with the key.



3.3.2 TRUCK ANCHOR POINTS

Truck anchor points can be used with the G7 Bridge mounting bracket to attach G7 Bridge to a truck bed rail.

To mount G7 Bridge to a truck bed rail:

1. Screw the anchor point into the truck bed rail.
2. Attach the G7 Bridge mounting bracket to the anchor point using screws.
3. Screw the multi-purpose mount to the G7 Bridge mounting bracket plate.
4. Slide and snap G7 Bridge into the multi-purpose mount.
5. Lock G7 Bridge mounting bracket with the key.



3.3.3 INTERNAL DASH PLATE MOUNT

You can install G7 Bridge directly to a dash tray under the front windshield of a vehicle. This is best suited for a Ford F-150 with removable dash tray to avoid drilling directly into the vehicle dashboard.

For easy removal of G7 Bridge, you can screw the dash plate to the top of the dash, then use the magnetic mount to magnetically attach the dash plate.

- **WARNING:** G7 Bridge must not block the vision of the driver, impair the driver's operation of the vehicle, or interfere with safety systems such as air bags.

To mount G7 Bridge to a dash:

1. Remove the dash tray or portion of the dash you want to mount to.
2. Screw the multi-purpose mount to the top of the dash.
3. Screw the dash plate under the dash tray to secure the mount in place.

4 FEATURES

4.1 TEAMALERT MUSTER

TeamAlert muster is a notification sent to connected personal monitoring devices to return to G7 Bridge. A TeamAlert muster can be initiated from the G7 Bridge itself, or when monitoring personnel sends G7 Bridge a message.

When G7 Bridge receives a message from monitoring personnel, each connected G7x receives a low urgency notification with a message to return to G7 Bridge.

To initiate a TeamAlert Muster notification from G7 Bridge:

1. In the main menu, use the up or down arrow buttons to navigate to **TeamAlert muster**, then press OK.
2. Use the down arrow button to navigate to **Start**, then press OK.

G7 Bridge goes into a TeamAlert muster alarm and displays "Muster Started" on the LCD screen. Personal monitoring devices connected to this specific G7 Bridge receive a low urgency notification.

To silence a TeamAlert Muster on G7 Bridge:

1. Press and hold the OK button for three seconds to mute the audible and visual alert. This does not stop the TeamAlert muster.

To stop a TeamAlert Muster on G7 Bridge:

1. Press the OK button to display the **TeamAlert menu**.
2. Use the down arrow button to navigate to **Stop**, then press OK.

NOTE: Stopping the TeamAlert muster stops the notification on both the G7 Bridge and connected personal monitoring devices.

4.2 MESSAGING

G7 Bridge can receive messages from monitoring personnel. You can view the last received message in Message Inbox. When a new message is received, the previous message is deleted.

4.2.1 VIEWING RECEIVED MESSAGES

To view the last received message:

1. In the main menu, use the up or down arrow buttons to navigate to **Message Inbox**, then press the OK button.
2. Press the down arrow button to view the last message.
3. Press OK to view the full message.

4.2.2 SENDING MESSAGES FROM G7 BRIDGE

You can choose from a list of ten pre-programmed messages to send to monitoring personnel.

NOTE: To make changes to the pre-programmed messages, contact [Technical Support](#).

To send a message from G7 Bridge:

1. From the main menu, use the up or down arrow button to navigate to **Send Message**, then press the OK button.
2. Press the up or down arrow buttons to navigate the pre-programmed message options, and then press OK to send. The LCD screen confirms that your message has been sent.

5 G7 BRIDGE CARE

5.1 WEATHER-SEALING PLUG

The sealing plug should be correctly inserted into G7 Bridge at all times when not charging or when not connected to the vehicle hardwiring cable. This ensures G7 Bridge can withstand the elements and continue to monitor your safety.

CAUTION: Failure to have the sealing plug installed may permit water or other fluids to enter that may cause an electronics failure.

6 FIRMWARE UPDATES

To offer new features, Blackline Safety periodically releases over-the-air (OTA) firmware updates. G7 Bridge is completely self-contained and can automatically download OTA updates when brought into cellular range. G7 Bridge firmware releases also contain the firmware updates for G7x. Firmware updates have two steps:

1. Automatic download
2. Automatic installation

You can find specific information about new updates on the [Updates & Notifications](#) page on the Blackline Support site.

6.1 AUTOMATIC DOWNLOAD

When a firmware update is released, either for the G7 Bridge itself or for connected G7x devices, G7 Bridge gradually downloads the update when it is powered on and connected to a cellular network. This download does not interfere with normal G7 Bridge use.

NOTE: OTA firmware updates are only available for G7 Bridge when it is brought into cellular range. If G7 Bridge cannot be removed from satellite-only reception, contact [Technical Support](#) to receive a firmware update kit.

6.2 AUTOMATIC INSTALLATION

After the update is downloaded, it is automatically installed the next time G7 Bridge is powered on. The firmware installation adds 30-60 seconds to the start-up sequence.

- **WARNING:** G7x devices cannot connect to G7 Bridge and are not monitored during the G7 Bridge firmware installation process.

6.2.1 G7X FIRMWARE UPDATE PROCESS

When G7x is connected to G7 Bridge and its green light is solid, it automatically powers down. G7x flashes blue and yellow lights on the right side of the screen and is unresponsive for 30-60 seconds. G7x then powers back up and displays its new firmware version.

- **WARNING:** G7x is not monitored during the firmware installation process.

7 SUPPORT

7.1 LEARN MORE

Visit support.blacklinesafety.com to find G7 Bridge support and training materials.

7.2 TECHNICAL SUPPORT

Contact our Technical Support team for assistance.

North America (24 hours)

Toll Free: 1-877-869-7212 | support@blacklinesafety.com

United Kingdom (8am-5pm GMT)

+44 1787 222684 | eusupport@blacklinesafety.com

International (24 hours)

+1-403-451-0327 | support@blacklinesafety.com

7.3 DETAILED SPECIFICATIONS

DEVICE SPECIFICATIONS	
MATERIAL	UL listed, high durability, polycarbonate / thermoplastic enclosure.
WEIGHT	540g (19.04 oz)
DIMENSIONS	73 mm x 107 mm x 141 mm (2.87" x 4.21" x 5.55") <i>Measurements do not include mount.</i>
TEMPERATURE	Storage: -30°C to 75°C (-22°F to 167°F) Operating: -20°C to 55°C (-4°F to 131°F) Charging: 0°C to 45°C (32°F to 113°F)
DATA	Update interval: Connected G7x devices report at default of 30-minutes; instantly on high urgency events, and every 5-minutes after a high urgency event for 60-minutes.
IP RATING	Designed to meet IP65
DEVICE REQUIREMENTS	Activated service plan, satellite communications require line-of-sight to satellites, GPS for locating, safety monitoring requires active 900 MHz and satellite or cellular connections.
WARRANTY	Two-year limited factory

USER INTERFACE	
DISPLAY	16 x 2 character LCD
BUTTONS	Menu system: Driven by three-button keypad Power button: On/off
USER NOTIFICATION	Indicators: Acoustic buzzer, indicator lights LCD Screen: display notifications/messages from backend
LANGUAGES	Multi-language support: EN, FR, ES, DE, IT, NL, PT

CONNECTIVITY	
LOCATION AWARENESS	Constellations: GPS Receiver type: 72-channel Assisted-GNSS: Yes GNSS Accuracy: ~5 m (16 ft) outdoors, ~50 m (165 ft) indoors, CEP 50%, 24 hrs static Antenna: Internal
WIRELESS UPDATES	Over-the-air device configurations Over-the-air firmware upgrades
STANDARD FEATURES	Emergency Low battery Power off Text messages

BATTERY AND CHARGING	
RECHARGEABLE BATTERY	Li-ion battery: 6800 mAh capacity
CHARGE TIME	10 hours
BATTERY LIFE	50 hours @ 20°C (68°F); 44 hours @ -20°C (-4°F); 14 hours @ -40°C (-40°F); It is recommended that the hard wire kit is used anytime below -20°C Charging connector: Micro USB

7.4 WIRELESS COMMUNICATION

	3G Bridge NA	3G Bridge AZ	4G Bridge NA	4G Bridge AZ	4G Bridge NA	4G Bridge AZ
Model:	102313	102928	103989	103990	103989	103990
Unit ID:	3583xxxxx	3584xxxxx	35850xxxxx	35852xxxxx	35854xxxxx	35856xxxxx
Cellular Radio						
Bands	UMTS 800/850/900/1900/2100 GSM 850/900/1800/1900		4G LTE bands 2, 4, and 5 3G UMTS bands 2 and 4	4G LTE bands 3 and 28 3G UMTS band 1	4G LTE 1, 12, 13, 18, 19, 2, 20, 26, 28, 3, 38, 39, 4, 40, 41, 5, 7, 8 3G UMTS 1900, 2100, 850, 900 2G GSM 850/900/1800/1900	4G LTE 1, 12, 13, 18, 19, 2, 20, 26, 28, 3, 38, 39, 4, 40, 41, 5, 7 3G UMTS 1900, 2100, 850 2G GSM 850/1800/1900
Approvals	FCC ID: XPYICGM5NNN IC: 8595A-ICGM5NNN		FCC ID: XPY1EIQ24NN IC: 8595A-1EIQ24NN	RCM	FCC ID: XPYUBX21BE01 IC: 8595A-UBX21BE01	RCM
Antenna	Internal					
Satellite Radio						
Network	Iridium					
Band	1616-1626.5 MHz					
Approvals	FCC ID: Q639603N IC: 4629A-9603N					
Antenna	Internal					
900 MHz Radio						
Band	902-928 MHz	916-927 MHz	902-928 MHz	916-927 MHz	902-928 MHz	916-927 MHz
Approvals	FCC ID: KQNMLINK900 IC: 2361A-MLINK900	RCM	FCC ID: KQNMLINK900 IC: 2361A-MLINK900 or FCC ID: 2AZE-AMU900 IC: 27118-AMU900	RCM	FCC ID: 2AZE-AMU900 IC: 27118-AMU900	RCM
Antenna	Internal					
Location Technology						
Constellations	GPS					
Receiver type	72-channel					
Assisted-GNSS	Yes					
Accuracy	5 meters, CEP 50%, 24 hours static					
Antenna	Internal					

7.5 RADIO FREQUENCY

G7 Bridge communicates with G7x or Loner 900 devices through an industrial quality 900 MHz radio link.

The following table displays which countries support the 900 MHz radio frequency:

Country	Frequency Plan	Recommended G7 Bridge Product
Argentina	AU915-928	BRIDGE-NA2
Australia *	AU915-928	BRIDGE-AZ2
Bolivia	US902-928	BRIDGE-NA2
Brazil	AU915-928	BRIDGE-AZ2
Canada *	US902-928	BRIDGE-NA2
Chile	AU915-928	BRIDGE-AZ2
Colombia	US902-928	BRIDGE-NA2
Costa Rica	US902-928	BRIDGE-NA2
Dominican Republic	US902-928	BRIDGE-NA2
Ecuador	US902-928	BRIDGE-NA2
Guyana	US902-928	BRIDGE-NA2
Mexico	US902-928	BRIDGE-NA2
New Zealand *	AU915-928	BRIDGE-AZ2
Panama	US902-928	BRIDGE-NA2
Paraguay	US902-928	BRIDGE-NA2
Peru	US902-928	BRIDGE-NA2
Puerto Rico	US902-928	BRIDGE-NA2
Suriname	US902-928	BRIDGE-NA2
United States of America (USA) *	US902-928	BRIDGE-NA2
Uruguay	US902-928	BRIDGE-NA2
Venezuela	US902-928	BRIDGE-NA2

*Requires wireless certification.

8 LEGAL NOTICES AND CERTIFICATIONS

8.1 LEGAL NOTICES

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Warranty

Your G7 Bridge is warranted against defects in materials and workmanship for up to two years from date of purchase. For further details regarding your Blackline warranty, please refer to your Terms and Conditions of Service. Visit <http://www.blacklinesafety.com> for more information.

FCC Notice

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes

or modifications not expressly approved by the manufacturer could void the user’s authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for further assistance.

FCC Radiation Exposure Statement

This device is only authorized for use in a mobile application. At least 20 cm of separation distance between the G7 Bridge device and the user’s body must be maintained at all times.

Industry Canada Notice

This device complies with Industry Canada licenbatteryce-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Industry Canada Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the G7 Bridge and your person.

