



blacklinesafety

G7

Getting Started:

G7's Hardware and Gas Detection

BlackridgeSolutions.com

## YOUR G7



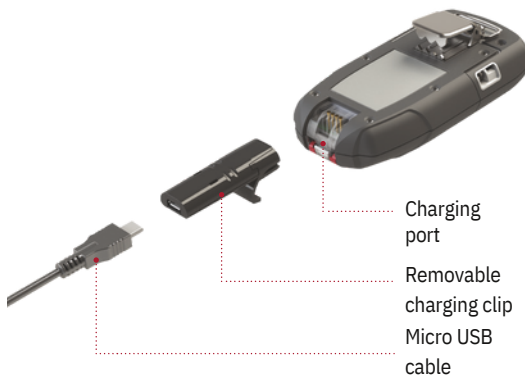
\*Real-time customers only, if you are interested in these features, please contact your sales representative.

## CHARGING

To charge the battery, insert the micro USB cable into the removable charging clip, then slide the clip onto the charging port at the bottom of your G7.

A solid red light at the bottom of the device confirms your G7 is charging. The LCD screen will show charging and battery levels.

Blackline recommends that you fully charge your device after every shift.



## POWERING ON



To turn on G7, press and hold the power button for two seconds. G7 will beep and vibrate when it turns on.

### What does the green light indicate?

G7's green connectivity light has two states:

#### Flashing

A flashing connectivity light indicates that your G7 is storing data. It is not currently connected to the network and will send data when the light is solid.

#### Solid

A solid connectivity light indicates that G7 is actively transmitting data and is connected to the Blackline Safety Network.

**NOTE:** If you are using real-time features, your safety is only monitored when the connectivity light is solid.

## USING G7'S MENU

G7's menu is where you can access different items, such as gas options, messages, settings and advanced info.



### OK button

Press to open the main menu and confirm menu selections.



### Up and down arrow buttons

Press to navigate the menu.

To use G7's menu:

1. Press OK once to wake up G7's screen
2. Press OK again to enter the main menu
3. Use the up and down arrow keys to navigate to the selection you would like
4. Press OK to select a menu item
5. Repeat as necessary

## LEARN MORE

Visit [support.BlacklineSafety.com](http://support.BlacklineSafety.com) to download the technical user manual with descriptions of how to use and configure your device features and specifications.

## CUSTOMER CARE

For technical support, please contact our Customer Care team.

### North America (24 hours)

Toll Free: 1-877-869-7212 | [support@blacklinesafety.com](mailto:support@blacklinesafety.com)

### United Kingdom (8am-5pm GMT)

+44 1787 222684 | [eusupport@blacklinesafety.com](mailto:eusupport@blacklinesafety.com)

### International (24 hours)

+1-403-451-0327 | [support@blacklinesafety.com](mailto:support@blacklinesafety.com)

## GAS DETECTION



G7 devices with a Single or Multi-gas cartridge are capable of detecting gases in your environment.

G7 monitors your environment and will notify you of gas exposure with a yellow warning or red alert.

All gas settings are customizable within Blackline Live. Speak to your safety supervisor to learn about how your G7 gas features are configured.

## BUMP TEST AND CALIBRATION

### What is a calibration?

Gas sensors periodically need to be calibrated by applying a known concentration of gas for a set amount of time. This ensures the gas sensor can accurately detect gas levels. The calibration schedule depends on your company's safety policy. Blackline recommends not exceeding 180 days without a calibration.

### What is a bump test?

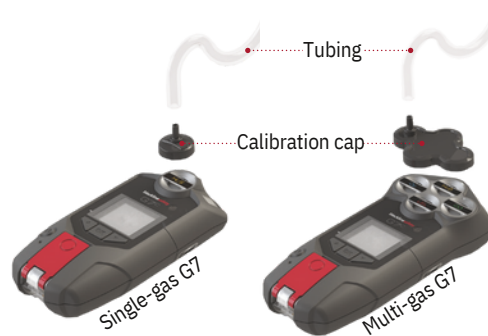
It is safe practice to regularly test gas sensors by applying the target gas. G7's bump test also tests the operation of light, sound and vibration indicators. The bump test schedule depends on your company's safety policy.

### Zeroing sensors

If G7 is not reading zero (or baseline) and you know you are in an atmosphere with no gas, your gas sensor readings may have shifted. If this happens you can zero your sensors to reset the baseline. Zeroing should only be completed if you are certain you are in a safe environment.

### How to manually bump or calibrate single, multi-gas and pump cartridges:

1. Attach calibration cap to one end of the tubing
2. Attach the other end of the tubing to a fixed flow regulator on your calibration gas cylinder
3. Attach the calibration cap to the cartridge
4. Press OK to access the main menu
5. Using the up and down arrows, navigate to gas options
6. Select OK to enter the gas options menu
7. Use the OK button to select bump test or calibration
8. Follow the instructions on G7's screen to complete the calibration or bump test



### G7 Dock

Bump tests and calibrations can also be done using G7 Dock, where the process is automated for you.

To bump test or calibrate with G7 Dock:

1. Place G7 in Dock at a 30 degree angle
2. Lower the top of G7 into G7 Dock, pressing until you hear a click
3. Close Dock's lid
4. Select bump test or calibration from the Dock menu on G7
5. Allow G7 Dock to run and remove G7 when the screen prompts you



If you do not have G7 Dock and are interested in ordering, please contact your distributor, sales representative, or our Customer Care team.

## GAS ALERTS & ALARMS

### YELLOW WARNING ALARM



#### Low warning alarm for gas

If a sensor detects a low concentration gas level.

#### UL (under limit)

If a sensor's baseline shifts and is unable to obtain an accurate gas reading.

#### Sensor error

If a sensor stops working for any reason.

#### Calibration and bump test

If a sensor is due for a calibration or bump test.

### RED ALERT



#### High alert for gas

If a sensor detects gas levels above the maximum gas concentration.

#### STEL (short term exposure limit)

If a sensor detects you have reached the short-term exposure limit configured.

#### TWA (time weighted average)

If you have reached the average gas amount of repeated gas exposure in an eight-hour period.

#### OL (over limit)

If excessive amounts of gas are detected and sensors can't provide an accurate gas reading.