

G7 is a portable lone worker, single-gas, or multi-gas detector. Depending on your device cartridge, G7 continuously measures gas concentrations in the ambient environment and activates notifications when concentrations exceed setpoints.

## HARDWARE



## MENU

G7's menu lets you access functions such as gas options, settings, and advanced information.

### To use G7's menu:

1. From the Home screen, press the **OK** button. The Main menu opens.
2. Use the up and down arrow keys to navigate to your selection.
3. Press **OK** to select the menu item.

## POWERING OFF

### To power off G7c and G7x:

1. Ensure the device has a solid green connectivity light.
2. Press and hold the power button to start the shutdown sequence.  
When the lights and vibrations stop, G7c is successfully logged off from Blackline Live and G7x is successfully disconnected from G7 Bridge.

## SOS ALERT

1. Pull down G7's red latch to signal for help.

**NOTE:** Your Blackline Live administrator must enable this feature.

## NOTIFICATIONS

G7 communicates notifications using lights, sound, vibration, and an on-screen message specific to the event. You must acknowledge the notification and address the triggering condition(s) before you can clear it.

**WARNING:** Follow your company's safety protocol for responding to notifications. For low- and high-urgency notifications, Blackline Safety recommends leaving the area.

### GREEN LIGHT

A flashing connectivity light indicates that G7 is trying to establish a connection to Blackline Live and is not yet transmitting data.

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

### BLUE LIGHT

The blue LiveResponse light lets you know that remote monitoring personnel are responding to an alert by following your organization's emergency protocol. When monitoring personnel have confirmed the safety of everyone in the area and resolved the alert, the blue LiveResponse light turns off.

### YELLOW LIGHT

Yellow lights indicate two types of notifications. Both types of notifications include yellow flashing lights, sound, and an on-screen message specific to the event.

#### Operational:

- Triggered by routine and expected device operations.
- Local to your device; monitoring personnel are not notified.

#### Low urgency:

- Triggered by an unexpected condition that could pose a safety risk if not addressed in a timely manner.
- Local to your device; monitoring personnel are not notified.

### RED LIGHT

A red flashing light at the top of your G7 device indicates a high-urgency notification.

- High urgency notifications are triggered by events that require your immediate attention and action.
- If your organization is monitored, high-urgency notifications are immediately communicated to monitoring personnel and automatically generate an alert in Blackline Live.

**To acknowledge and mute a notification:**

1. Press and hold the up and down arrow buttons at the same time to mute the notification and acknowledge the banner message.



## BUMP TESTING AND CALIBRATING

Bump testing and calibration verify that G7's gas sensors and notification indicators are functioning correctly.

**To bump test or calibrate G7:**

1. Attach the tube and calibration cap, ensuring the tube is securely attached to the fixed-flow regulator and calibration cap.
2. Press the **OK** button to display the Main menu.
3. Select **Gas options**, then select **Bump test** or **Calibration**.
4. Select **Yes** to confirm your selection. G7 runs an audio/visual self test.
5. Follow the screen prompts to complete the bump test or calibration, ensuring that you select each sensor you want to test. Bump test or calibration prompts continue to display until you test each selected sensor.

## G7 PUMP

G7's multi-gas pump cartridge uses configuration modes to enable and disable the pump. Configuration modes allow G7 to temporarily change its behavior. For more information, see [Using G7 Pump](#).

**To sample with pump:**

1. Attach a quick connect to your desired length of tube.
2. Attach the quick connect to the stack by lining up the guides and twisting clockwise.

**To turn pump on:**

1. Press the **OK** button to open the Main menu.
2. Select **Modes**, then select the desired mode.
3. Attach the tube, then perform a block test by following the instructions on G7's screen. G7's screen inverts and the pump icon in the banner indicates pump is running.

**To turn pump off:**

1. Enter any non-pumped mode.

**Block tests**

G7 automatically does a block test before it enters a pumped mode to confirm that the tube and pump cartridge are in working order.

Perform a block test in a known clean environment where gas alerts will not be triggered.

**Pump options menu**

When a multi-gas pump cartridge is attached to G7, the option Pump options displays in the Main menu. With this option, you can customize the following:

- Sample timer
- Hose length

**Pump status screen**

When a multi-gas pump cartridge is attached to G7, a secondary menu screen called Pump status becomes available. This screen displays the following:

- Pump Status
- Hose length
- Flow rate
- Sample timer

## LEARN MORE

Visit [support.blacklinesafety.com](https://support.blacklinesafety.com) to find support and training materials for G7, including the comprehensive [G7 Technical User Manual](#).

## TECHNICAL SUPPORT

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