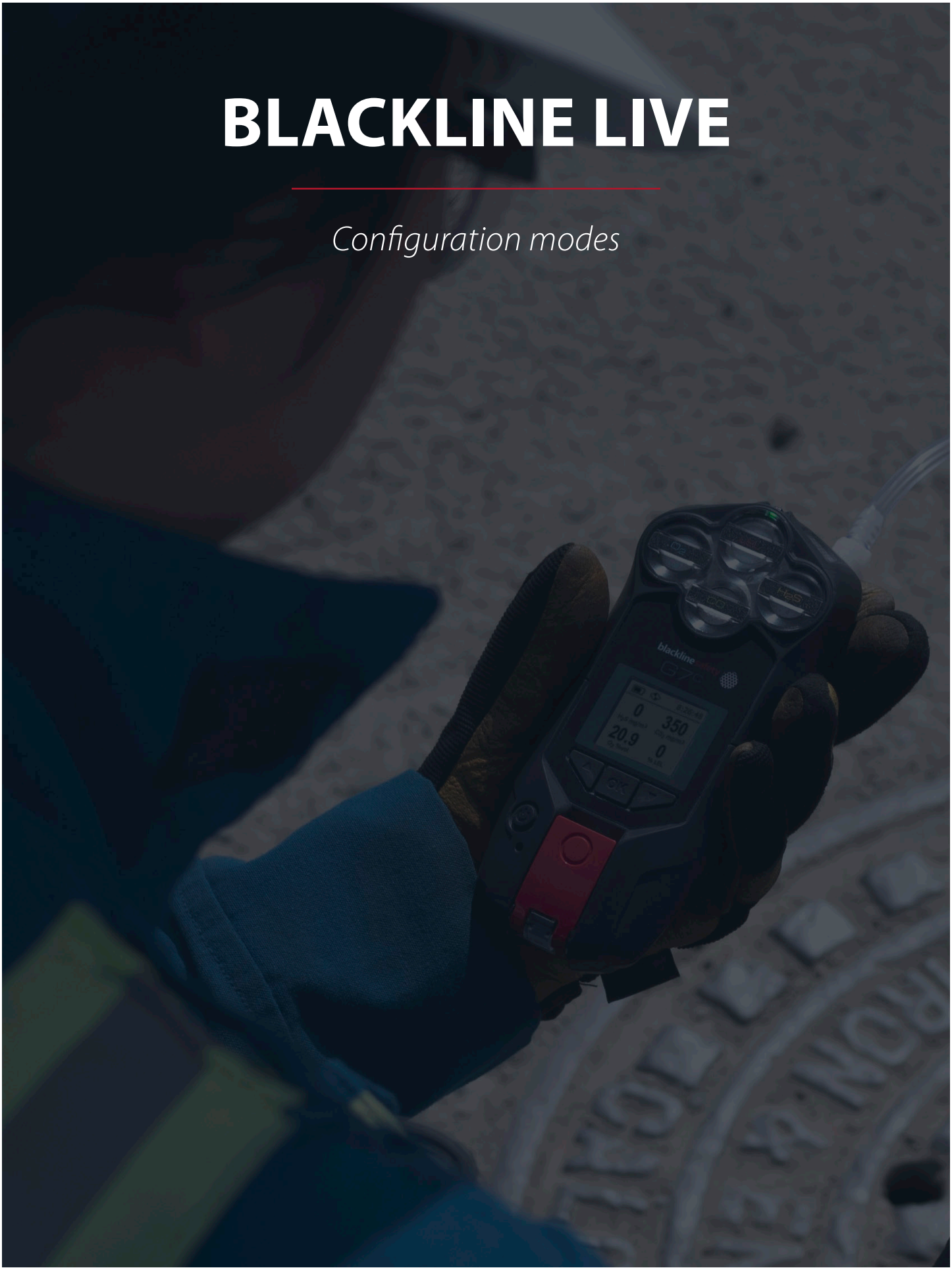
BLACKLINE LIVE

Configuration modes



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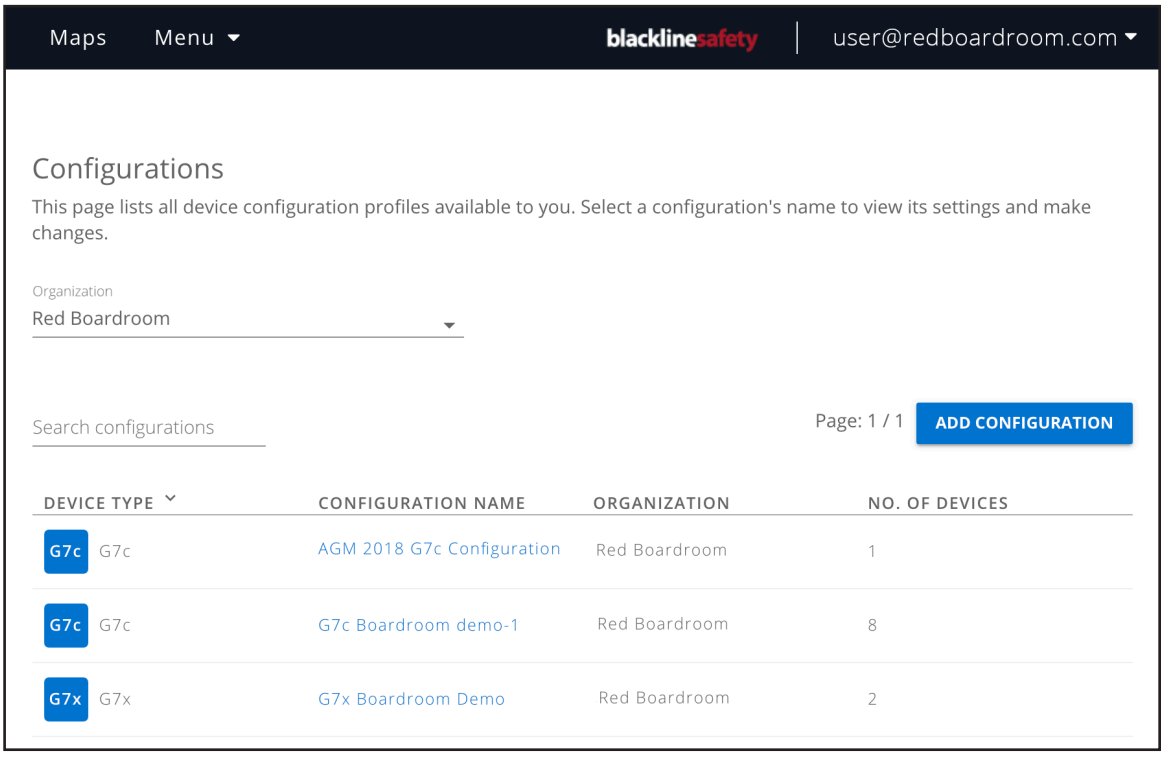
Introduction

Blackline Safety is introducing a new configuration profile layout for G7 devices. This redesign will utilize the appearance and functionality of pages introduced in the Winter18 update. The goal of this change is to streamline the configuration creation process, make device assignment more intuitive, and introduce the concept of modes within a configuration profile.

This release has been introduced gradually, starting with a redesigned configurations list page, and then a new G7 configuration profile page. The final aspect of the release — the introduction of modes — includes a firmware update on G7 devices as well as a portal update.

CONFIGURATIONS

Configurations define how devices operate. The features that are enabled and disabled on a device are outlined in a configuration profile on Blackline Live. Device configurations can be changed quickly and efficiently over-the-air, without having to power cycle the device.



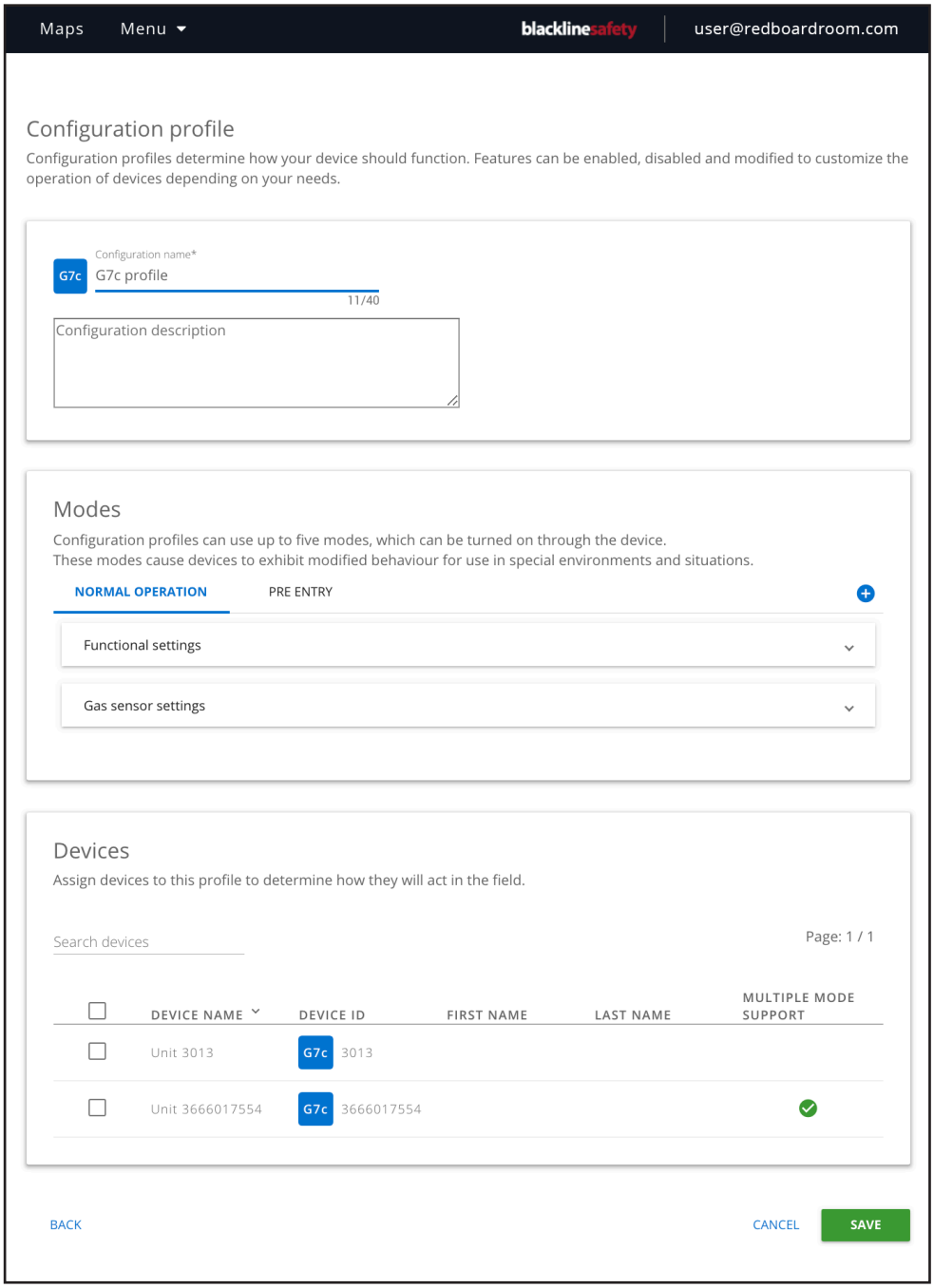
The configuration page has been redesigned to replicate the new pages from the Winter18 update. The change from device tabs to a centralized list means that you will not be looking at and creating a particular type of profile by default, but will see all types of configuration profiles at once and be able to sort and search them as needed.

When creating a new configuration profile, you will be given the option to choose which device you would like to make it for. Simply select the device's name or icon and click *next* — you will instantly be redirected to the respective profile creation page.

G7 configuration profile

The G7 configuration profile looks similar to the team member profile or group details page — the profile's details are listed on one page and separated into three distinguishable sections.

Each G7 profile has a unique name and an additional description. Like the previous G7 profile page, settings are split into two sections — functional settings and gas sensor settings. Lastly, devices can easily be assigned to profiles using the same design as the groups page. Simply click a device to select it, and press *save* when finished. Devices can be searched and sorted in order to make profile assignments more efficient.



CONFIGURATION MODES

Each configuration profile now has the capability to access up to a total of five 'modes' — these modes allow G7 to temporarily change its behaviour in different situations. Two modes will always be available on the device by default; normal operations mode and pre entry mode.

Normal operations

This mode is the configuration you determine for everyday operation. G7 will operate using this mode as a default. Ensure normal operations mode is fully defined, and that all of the functional and gas sensor settings are to your company's standards — many of these settings will define your device's behaviour, even while using alternate modes.

Pre entry

Pre entry mode is used before entering a space that could potentially contain dangerous gas. This mode can be used with or without a pump attachment, which will actively draw surrounding air in to its sensors and test gas levels. In this mode, you can alter how the device will behave when it comes into contact with high levels of gases. This mode will always be available by default in the event that a pump cartridge is attached to G7.

SCBA

This mode is meant to be used when the device user is wearing a self-contained or supplied air breathing apparatus and is entering an area that is known to have high gas levels. This mode offers alternative gas alarm behaviours, as well as the option to change how functional settings like fall- and no-motion detection perform.

Leak check

Leak check mode can be used when checking for gas leaks in a particular area. This mode — like pre entry mode — can be used with or without a pump cartridge.

High risk

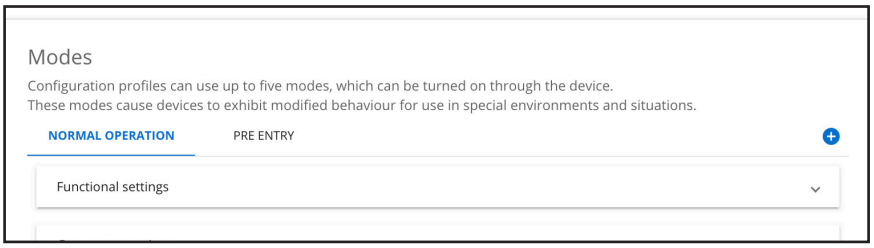
This mode is unique in that it is meant for general high-risk situations, such as an evacuation or travelling through a dangerous area. This mode allows devices to have more frequent check-ins and modified functional settings. Unlike the other modes, you will never be timed out and must exit it manually.

SETTING UP CONFIGURATION MODES

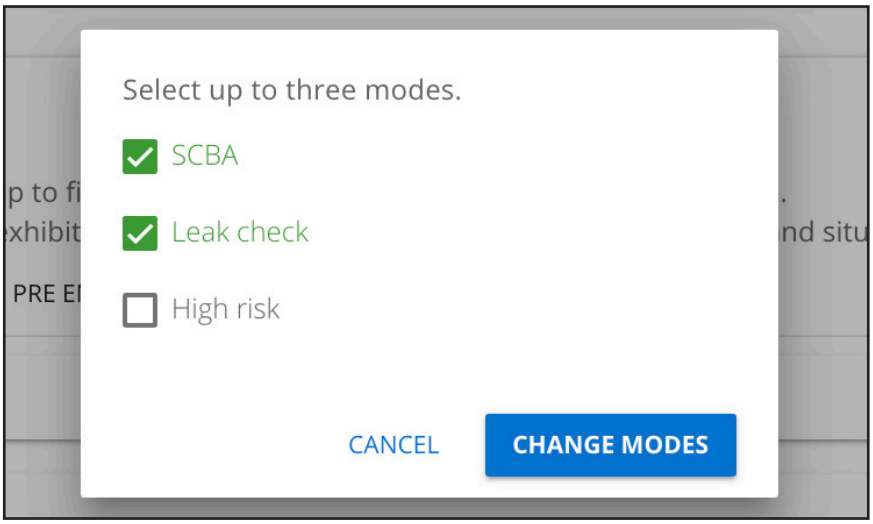
Configuration profiles have been modified to incorporate these new mode settings. They will be accessible in the Modes card through tabs. Simply click on a particular mode's tab to see the settings associated with it.

Adding modes

Initially your configuration profile will only list two modes: normal operation mode and pre entry mode. To add more modes:



1. Click the *edit* button in the top right corner of the modes card.
2. Click the blue icon with a '+' symbol that appears to the right of the tabs. A modal listing the available mode types will pop up.



3. Click on the checkbox next to a mode's name to select it.
4. Press the *change modes* button to add.

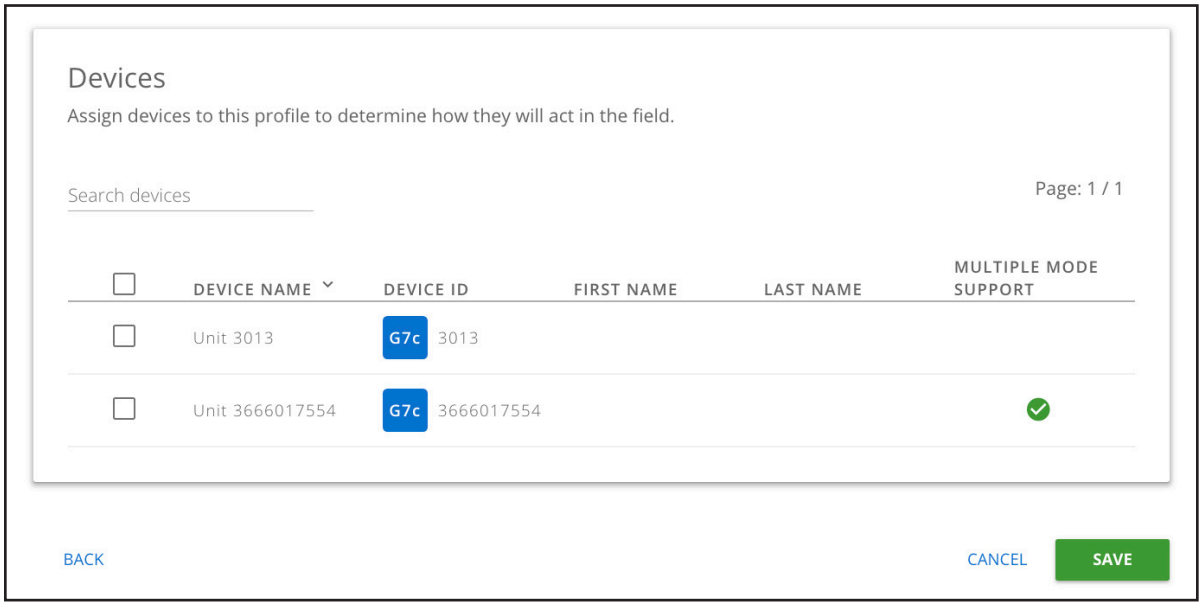
NOTE: You can select only up to three additional modes, since G7 can support a maximum of five modes at one time.

Once a mode has been selected in this modal, its name will appear as a tab in the modes card. Clicking on this tab will show the possible behaviour modifications G7 can display while this mode is turned on. Once all changes have been made, click the *save* button at the bottom of the modes card.

Multiple mode support

G7 needs to have the most up-to-date firmware in order to be able to make use of these new modes. When assigning devices to a G7 configuration profile, there will be an green checkmark icon to indicate that a particular device has received this firmware update and can support the use of modes.

Devices without this firmware update can still be assigned to the configuration profile, and will receive the settings defined in the normal operations mode, but will be unable to access any of the other modes in the profile.



Pushing a firmware update

To update G7's firmware, call our Customer Care team and provide your device's unit ID. If the firmware can be updated, Customer Care will push the update. Simply restart the device to receive the updated firmware.

NOTE: The device ID is the 10-digit number on the back of the device. You can also find it through the device interface itself by selecting Advanced info, and then Device info from the menu.

Contact Customer Care

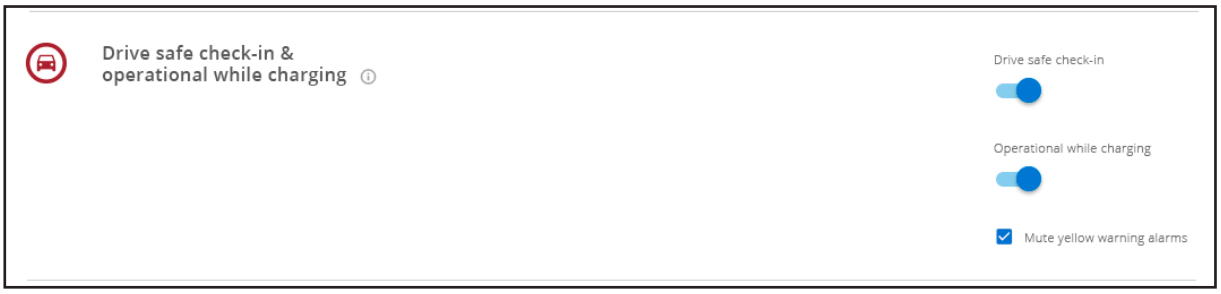
North America (24 hours)
Toll Free: 1-877-869-7212 | support@blacklinesafety.com

United Kingdom (8am-5pm GMT)
+44 1787 222684 | eusupport@blacklinesafety.com

International (24 hours)
+1-403-451-0327 | support@blacklinesafety.com

NEW FEATURES AND SETTINGS

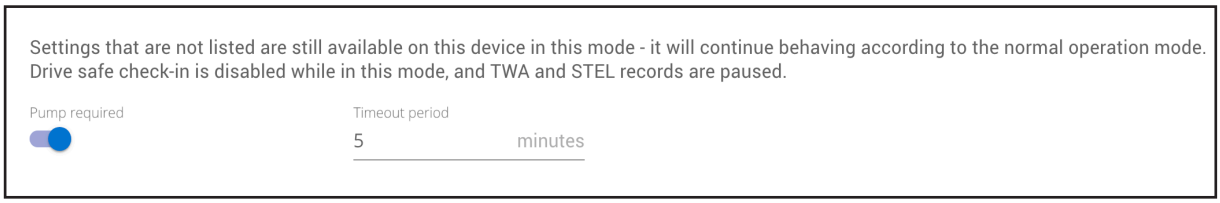
With the introduction of configuration modes, new settings have been added to enhance current features as well as support specific functionality associated with individual modes.



Drive safe check-in & operational while charging

This setting now has two functions; the drive safe check-in will automatically acknowledge check-ins and other yellow pending alarms when the device is travelling at speeds over 35 km/h (22mph). Additionally a new "operational while charging" feature will keep the device on while it is charging — this feature will also auto acknowledge yellow pending alarms. G7 will continue to collect gas readings and go into alert if a gas event occurs.

Additionally, this setting can be modified to mute yellow warning alarms, including low gas alarms, incoming message notifications and low battery warnings.

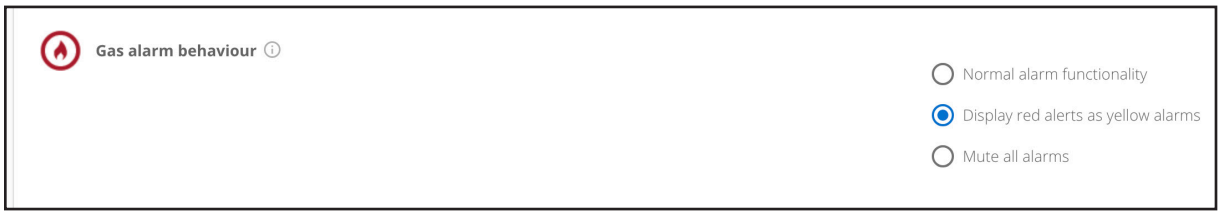


Pump required

The "pump required" toggle only appears under the pre entry and leak check mode tabs, and indicates whether a pump needs to be attached to G7 in order to access the mode. If this setting is enabled, this means that the mode will only show up in G7's mode menu if a pump cartridge is attached. If the setting is disabled, the mode can be used anytime.

Timeout period

This feature is present in pre entry, SCBA and leak check mode, and functions similarly to a check-in. A timeout reminder countdown will appear on the device — when the countdown reaches zero, G7 will prompt the user to either extend their time in the mode, or exit the mode. Doing either action will also send a check-in to the portal, notifying monitoring agents of the user's activity. If the user does not respond to the timeout request, G7 will exit the mode and immediately request a check-in to ensure the user's safety.



Gas alarm behaviour

This setting defines alternate alarm behaviour in the event that G7 detects gas. These behaviours are only displayed when the device is using pre entry, SCBA or leak check mode. There are three kinds of behaviour G7 can display in these cases:

Normal alarm functionality — G7 behaves as it normally would. Low gas triggers a yellow warning alarm, while high gas, STEL and TWA events trigger a red alert, which are sent to monitoring personnel.

Displays red alerts as yellow alarms — All gas events are communicated with a yellow warning alarm. Gas-related alerts will not be sent to monitoring personnel.

Mute all alarms — G7 does not communicate any gas events with lights, vibrations or sound. It will still collect and show readings, but will not notify the user of any dangerous gas levels.

CONFIGURATION MODES ON G7

The new firmware update will involve a few changes to the device's interface — the menu will be reorganized and will have new options available. One of these new options is a modes menu, which will redirect to a list of all available modes from the G7 configuration profile.

Selecting a configuration mode

1. Press OK to wake up G7's gas status screen, and press it again to access the main menu.

2. Use the down arrow to scroll down to the "modes" option, and press OK to select it.

3. The modes menu will display the available modes. Use the up and down arrows to scroll between them, and press OK to select.

4. When a mode other than normal has been selected, G7's screen will invert to white to indicate that the device is using alternate settings.

5. The current mode can be checked at any time by pressing the down arrow while on the gas status screen. Configuration modes can also be changed from this screen by pressing OK.

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