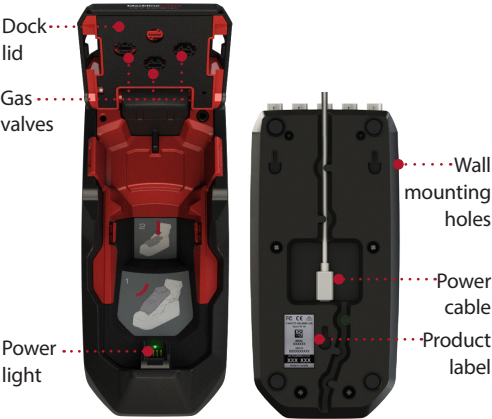# blacklinesafety

G7 DOCK

Getting Started Guide

G7 Dock is Blackline's solution to gas sensor calibrating, bump testing and charging G7. It supports both G7c and G7x devices with single-gas, multi-gas diffusion or multi-gas pumped cartridges.

Simply insert G7, and G7 Dock will do the rest. It automatically charges G7 and places it into a test-ready mode to eliminate false alerts.

G7 Dock helps you keep fully compliant according to your business calibration and bump testing policies, so that it always has your back.

YOUR G7 DOCK

Dock lid

Gas valves

Power light

Wall mounting holes

Power cable

Product label

Activation Code

Inlet stickers

Gas Out exhaust

Charge clip

Release tabs

Gas inlet quick-connects

GAS INLET CONFIGURATION

G7 Dock is equipped with a Gas Out exhaust and 4 gas inlets. The inlets are pre-programmed for you.

Changes to G7 Dock's inlet configuration can be made from your G7 Dock's configuration profile, from the Docks page on Blackline Live.

The activation code on the back of dock can be used to identify it from the list. If you are having difficulties accessing this page or finding G7 Dock in Blackline Live, please contact our Customer Care team.

Gas Out Exhaust

When looking at the back of G7 Dock, the Gas Out exhaust is the connector on the far left side of the dock. It is used to transfer calibration gas to a safe exhaust location.

NOTE: You should never plug gas into the Gas Out exhaust.

The next three inlets (to the right of the Gas Out exhaust) are configured to support your selected gases and gas mixtures. The table belows shows an example of a configuration with and without Chlorine (Cl$_2$).

NOTE: For G7 Docks with serial numbers beginning with 8247 and higher, inlet 1 has been optimized for use with reactive gases such as Chlorine (Cl$_2$).

| | WITH CHOLRINE | WITHOUT CHOLRINE | COMPOSITION | |
			COMPONENTS	CONCENTRATION
INLET 1	CHLORINE		CHLORINE	5 PPM
		AMMONIA	AMMONIA	50 PPM
INLET 2	MULTI-GAS COMBINATION	MULTI-GAS COMBINATION	HYDROGEN SULFIDE	25 PPM
			CARBON MONOXIDE	100 PPM
			METHANE	50% LEL
			OXYGEN	18%
			NITROGEN	BALANCE
INLET 3	SULFUR DIOXIDE (SO$_2$)	SULFUR DIOXIDE (SO$_2$)	SULFUR DIOXIDE	10 PPM

Inlet 4 – Purge

This inlet supplies clean air, removing residual gas from G7 Dock. When using Dock in dusty or humid environments, you can attach the optional dock filter subassembly included in the box.

NOTE: If you are using Chlorine with G7 Dock, you must use a demand flow regulator (ACC-DFR-V) and a Teflon-lined hose (ACC-FEP-T2), both available through our Customer Care team.

LEARN MORE

Visit support.BlacklineSafety.com to download the technical user manual with descriptions of how to use and configure your device and for detailed 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

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

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

CONNECTING TO GAS

Attaching G7 Dock to the gas cylinder is done through the use of tubing and quick connects. To attach the quick connects to G7 Dock:

1. Line up the quick connect ends

2. Twist clockwise until it clicks securely into place

3. Ensure the other end of the tubing is attached to a demand flow regulator on the gas cylinder

HOW G7 DOCK WORKS

Powering on

Insert the power cable into the port on the bottom of G7 Dock. Feed the power cable through the tracks along the bottom to allow the dock to lie flat on a table surface or mount on a wall.

When plugged in, the green light at the charge clip will turn on to indicate power.
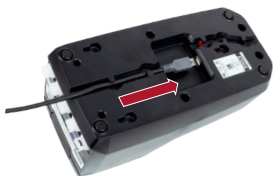
Opening G7 Dock lid

To open dock's lid, press inward on the two red tabs, and dock's lid will spring open.

PLACING G7 IN G7 DOCK

In order for bump tests, calibration and charging to work, G7 needs to be placed correctly in G7 Dock. To do so:

1. Slide G7 device into dock's charge clip at an angle - ensure the charge clips of both devices are connected.

2. Keeping the charge clips connected, lie G7 down into dock and push down until it clicks in place.

3. Close G7 Dock's lid and press down until the release tabs click into place on both sides.

MULTI-DOCK SETUP

Multiple G7 Docks can be connected to a single gas cylinder by using tubes, check valves and T-connectors for situations where multiple G7 devices need calibrating or bump testing. One gas cylinder is able to support five G7 Docks at one time.
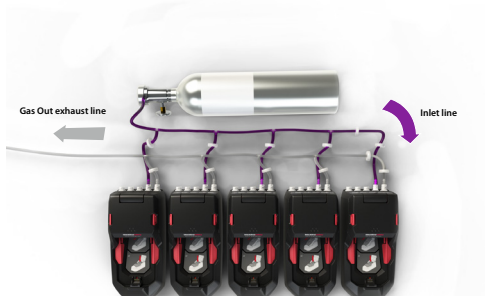
A multi-dock setup kit can be requested from Blackline and will include a multi-dock guide with more information.

MAINTENANCE&TROUBLESHOOTING

How do I care for my G7 Dock?
To make sure G7 Dock is in working
condition, ensure the following:

- Gas valves inside the G7 Dock lid
  move easily and are free of debris
- Gas inlets and outlet are free of debris
- Charge clip is free of debris

To clean G7 Dock, disconnect from power
and wipe down with a damp cloth. Do not use
pressure spray or cleaning solvents. For best
performance, G7 Dock should be operated in
a dry and dust-free environment.

Why is G7 telling me to close
the lid when it's already closed?
If your device is telling you to close the lid, it is
likely that the lid has not been closed properly.
Ensure that you press down on both sides of the
lid so that both release tabs click into place.

Why is my device unresponsive
when I put it into G7 Dock?
If your device does not respond when placed
into G7 Dock, it may not be properly connected
to Dock, or the Dock may not be connected to a
power supply. Try replacing your device into G7
Dock, and ensure that Dock is connected to a
power source.

Why are my calibrations and bump tests failing?

Calibrations and bump tests can fail if there is not enough gas reaching the sensors. To ensure that gas is flowing from the gas cylinder to G7 Dock, check that:

- There are no kinks or crimps in the tubing
- The gauge on the gas cylinder indicates there is gas inside
- The gas cylinder is using a demand-flow regulator
- The quick-connects are properly connected to G7 Dock
- Gas concentrations in the gas cylinder match device and dock configurations

If G7 Dock is still not operating correctly, please contact Customer Care.