MGC Simple Dock Quick Start Guide

Setup and Installation

Remove gas compartment door thumbscrews to lift door and connect a calibration gas bottle to the built-in regulator. Secure bottle with strap. Install USB memory*. Lower gas compartment door and re-secure with thumbscrews. Dock is ready to bump test, calibrate and record data.

By default, the MGC Simple Dock assumes that the installed bottle contains four gases. The GCT Manager software allows you to specify these gas concentrations, as well as other operational parameters. Default gas settings: H_2S: 25 ppm, CO: 100 ppm, O_2: 18% and LEL: 50%

Power

The MGC Simple Dock comes fully charged. It is powered by an internal rechargeable battery that can perform up to 3072 bump tests on one charge using a 116L bottle of gas**. The dock will automatically turn itself off between tests unless the charger is connected. Pressing either the bump or calibration button will automatically activate the MGC Simple Dock to perform the next test. Use the included MGC Simple Dock Charger to recharge the dock when necessary.

**Based on 4 detectors per bump test

Operation

Firmly snap 1 to 4 detectors into the bays face-down. **Two audible clicks will be heard when detector is securely seated in the bay.** Push bump or calibration button to start. Gas will only be applied to bays with detectors. Operation is complete once Power LED returns to green.
Bump button: Briefly applies gas to test sensor response, downloads the logs and tests the audible alarm.
Calibration button: Adjusts the sensor response to match the gas applied, downloads the logs and tests the audible alarm.

Status Indicators

LED Type	Color	Description
Bay LEDs	orange	test in progress
	red	test failed
	green	test passed
	orange cycling	charging
Power LED	green	powered on
	green blinking	low battery
	orange	test in progress
	orange blinking	no USB memory detected*

*The MGC Simple Dock will bump test and calibrate if USB memory is not installed but will be unable to record test results.

The MGC Simple Dock can be programmed using the GCT Manager software so that every button press will also upgrade the firmware and configure the user options of each detector.

Troubleshooting Failures

1. Inspect the detector sensor ports and audible alarm port; Clear any obstructions and replace any clogged filters.

2. Clean the IR Communication Window located on the top of the detector.

3. Verify, using the dock's built-in pressure gauge, that the gas bottle is not empty; 58L bottles are "full" at 500 PSI, 116L at 1000 PSI.

4. Try relocating the MGC Simple Dock away from bright light sources which may interfere with IR communication between the MGC Simple Dock and the detectors.

5. If a monitor continues to fail after completing the previous steps, please contact Gas Clip Technologies.

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Portable gas detectors you can count on.