

BG07 smartfittings Micro Gateway Guide

Product Description

The smartfittings micro gateway is a small and lightweight solution to integrate data from up to 30 Cyclops Load Sensors, outputting the live data to modern marine electronics and allowing data to be viewed from anywhere on your boat via existing on-board displays. It is designed to plug directly into electronics and is environmentally protected to IP67.

Installation

Simply plug the micro gateway into an NMEA2000 network and configure your sensors using the "BG07 Setup Tool".

Before installation, ensure:

- If the boat hull/deck is constructed of carbon fibre, it is highly recommended to purchase an optional dome antenna, so that there is direct line of sight between the sensor and antenna. This requires having the antenna mounted on deck, with the gateway below deck, so that there is no carbon fibre in the line of sight. For boats with a mainly fibreglass construction, this shouldn't be necessary.
- Cyclops Load Sensor is powered on.
- Antenna is screwed onto the gateway.
- Electronics are switched off at the switch panel.

LED Light Indication

The micro gateway has 2 modes: Active and Configuration. Active mode is for normal use and Configuration mode is for setting up sensors, display channels and units.

When plugged in, the micro gateway will be in Active mode by default and shown by the LED periodically flashing red.

To switch to Configuration mode, simply press and hold the button at the back of the micro gateway for 4 seconds and release the button. The micro gateway will flash both red and green together and proceed to periodically flash green, indicating that it is in Configuration mode. Connections can then be made to configure the micro gateway.

When the micro gateway is connected for configuration, the LED will only flash green.

To switch back to Active mode, simply press the button again for 2 seconds and release. The micro gateway will flash both red and green together again, changing back to Active mode and periodically flash red. The gateway will flash green each time it receives data from a sensor.

To restart the gateway without turning it off, press and hold the button for more than 2 seconds in the desired mode. The micro gateway will not switch mode and will do a refresh in its current mode.

Safety

Please read all instructions before installing smartfittings micro gateway. Consult a professional before undertaking installation if at all unsure.

Technical Data

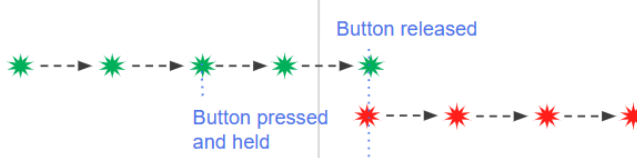
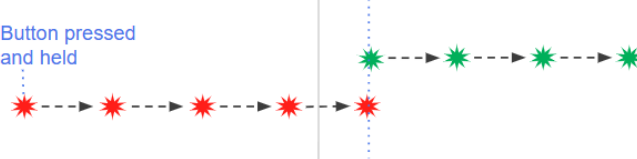
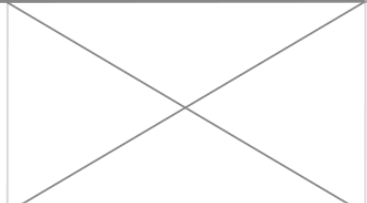
Max Current Consumption	80mA
Input Voltage	12V
Output Rate	10 Hz (configurable)
Bluetooth	BLE 4.2
Dimensions	95 x 25 x 25 mm
Mass	37g
Housing	Acetal, IP67 rated

BG07 Setup Tool

Visit bg07.cyclopsmarine.com to configure the BG07, or use the Gateways feature in the smartfittings manager iOS application. The Setup Tool webapp works on mobile or desktop. Alternatively, scan the QR code:



LED Scheme

Mode	Switching Indication	LED Indication
Active		
Configuration (Disconnected)		
Configuration (Connected)		

--- = ~1 second interval