

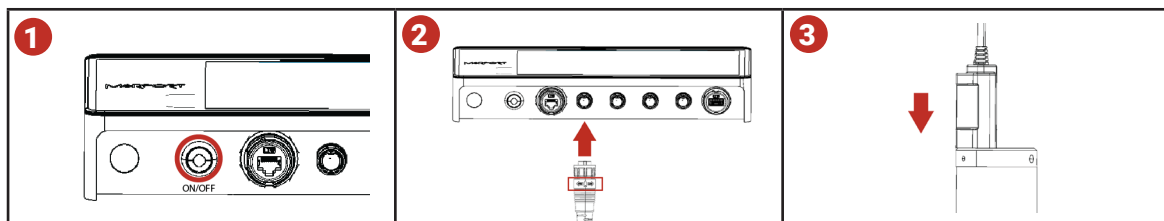
Purpose

Marport Dock provides a new way of charging Marport sensors. It allows the user to:

- Charge up to 4 sensors simultaneously.
- Quickly see the charging status of the sensor, thanks to a visual display on the charger plugs and Dock screen.
- Have a full overview of the sensor fleet: which sensors are deployed, charging or on deck.
- Configure the sensor settings, since the Dock acts as a gateway between the sensors and Mosa2 configuring software.
- Be alerted when maintenance is needed on the sensors.

The Dock is compatible with the latest generation of Marport sensors, including the Marport Pro range. It is compatible in a limited state with the previous generations of sensors.

Getting started

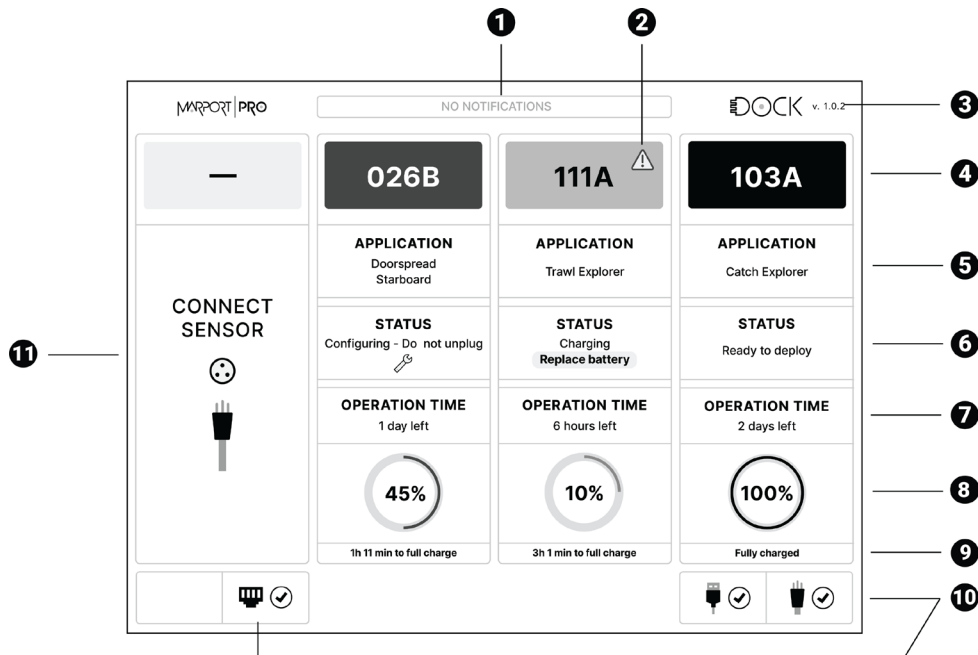


Charger Plug Summary

Charging green: charged at > 90%	Charging orange: charged at 70% to 90%	Charging red: charged at <70%	Configuring
Pick me up	Updating	Maintenance needed	Warning

Overview of the Dock Screen

The Dock displays the following information when the latest generation of sensors are connected. If previous generation sensors are connected, the screen only displays the level of charge.



1 Notifications	7 Remaining battery life
2 If there is a status warning message, a warning icon appears.	8 Current level of charge.
3 Version number of the Dock firmware.	9 Remaining time before the battery is fully charged.
4 Node corresponding to the sensor location on the trawl and its spare identifier (A, B, C, D). Background color becomes darker as the level of charge increases.	10 Indicates the following: Ethernet connector is correctly connected and gets an IP address. USB connector is correctly connected. Configuration Cable is connected to a sensor.
5 Application of the sensor	
6 Status of the sensor: <ul style="list-style-type: none"> • Charging • Ready to deploy • Configuring • Updating <p>The status can also display warning messages. See Troubleshooting section below for details.</p>	11 Appears if no sensor is connected on the port.

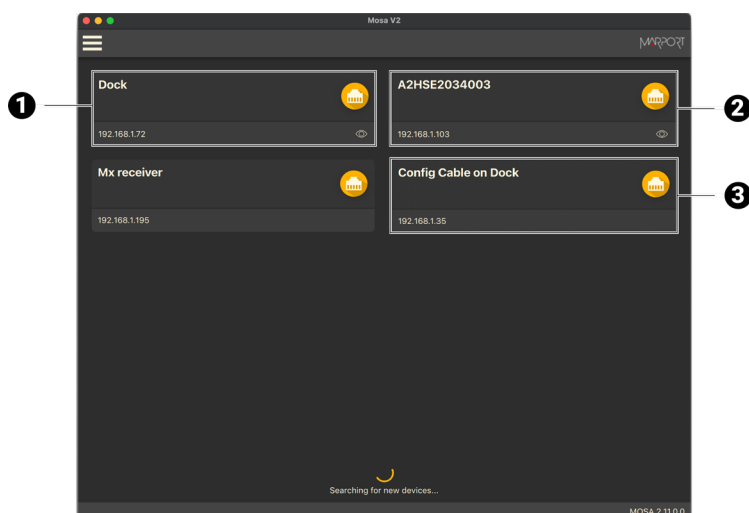
Overview of the Virtual Charger Room

M Open Scala2 application, then click Menu ☰ > Virtual Charger Room.

	1 Node identifying the location of the sensor on the trawl.
	2 Name of the application.
	3 If any, number of spare sensors.
	4 Charging level.
	5 Access to the settings.
	6 Remaining lifetime at the current state of charge.
	7 Sensor status

<p>The sensor is connected to the Dock and charging. It displays Ready to deploy when fully charged. Click ⚙️ > 🚢 to display a visual animation on the charger plug when the sensor must be deployed.</p>	<p>The sensor is operating on the trawl.</p>	<p>The sensor is out of water and is not connected to the Dock.</p>

Interface with Mosa2



Click Menu ☰ > Expert Mode to display the Dock on the discovery page.

- 1** Dock connected by Ethernet to the vessel's network.
👁️: Click to make the LED strip above the Ethernet connector flash blue for 30 seconds.
- 2** Sensor connected to the Dock with a charger plug.
👁️: click to show the deploy animation on the charger plug for 30 seconds.

Troubleshooting

Warning messages on the Dock screen

Status message	Description
Warning - Clean sensor endcap	<p>The sensor cannot connect to the Dock because the shoulder bolts are dirty or damaged:</p> <ul style="list-style-type: none"> • Clean them using a swab or Q-tip with Isopropyl alcohol. • Fully clean the surface from debris and inspect the surface for burrs or pitting. <p>If not taken care of, there is a risk of short circuit.</p>
Warning - Service required	The sensor has a critical issue. Contact your local Marport office or dealer.
Caution - Maintenance required	<p>The sensor has an issue impacting its proper functioning. Reasons can be:</p> <ul style="list-style-type: none"> • The battery is worn out and the charging capacity is diminished. • Shoulder bolts are in a bad condition, the charge is not optimal.
Caution - Replace battery	The battery capacity is very low and will soon be exhausted.

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