Diagnosis

Powerail synchronization fault
For Nautitech boats
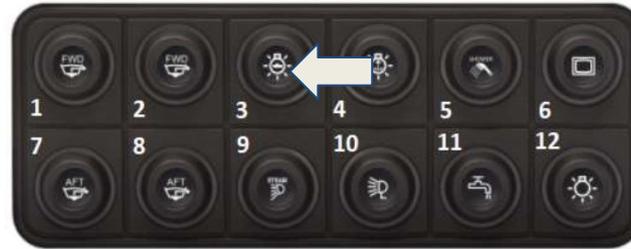
Synchronization
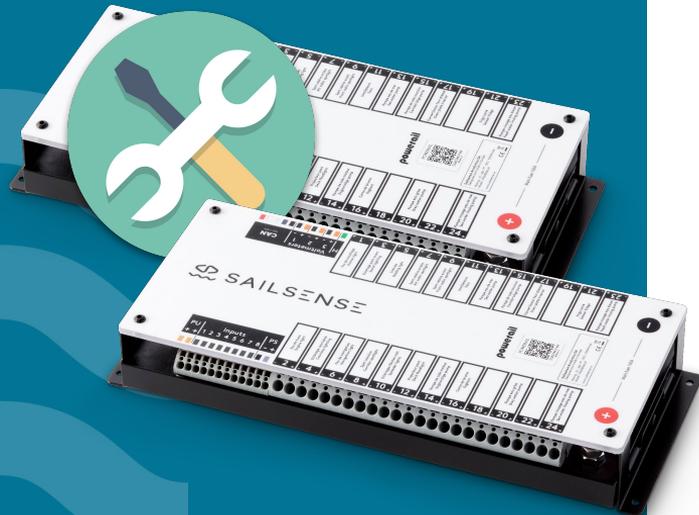
Diagnosis 1/2

Few commands need **synchronization between** the **Port and Starboard Powerail :**

- **Navigation Lights** (command via B&G screen and Blink keypad): Port output 04 + Starboard output 06

- **Secret light foredeck** (command via B&G screen) : Port output 03 + Starboard output 03
- **Indoor / outdoor Lights** (command via Blink keypad) : Port outputs 05,06,08,09,10,11,18 + Starboard outputs 05,07,08,09

Synchronization

Diagnosis 2/2

It happens that a desynchronization appears between Portside and starboard, meaning that when Portside is ON, Starboard is OFF

For the **navigation light** a visual check of the lights can confirm the desynchronization and/or the Blink keypad stay green when you turn OFF the Navigation lights (meaning one side off the boat is still ON)
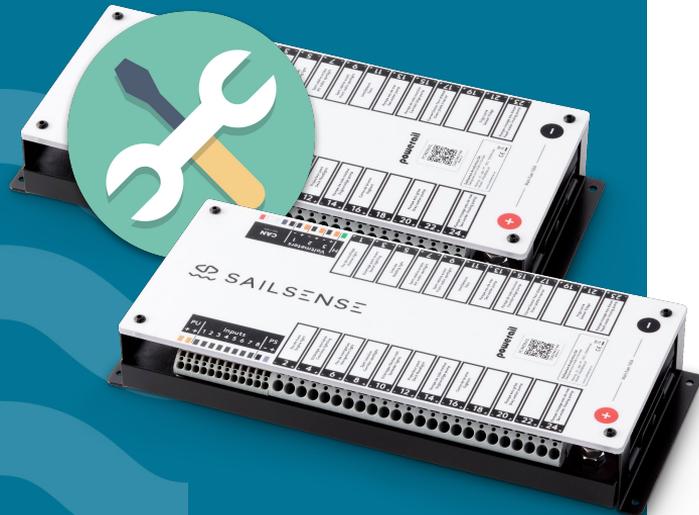
For **secret light**, only a visual check of the lights can confirm the desynchronization.

For the **indoor / outdoor Lights** you will see the desynchronization directly on the Sailsense App :
-> When you press the "Lights Blink bouton" the "Port lights" and "Nacelle lights" cards turn ON but the "STBD lights" card remain OFF
-> You press again the Blink bouton, the "Port lights" and "Nacelle lights" cards turn OFF and the "STBD lights" card turn ON

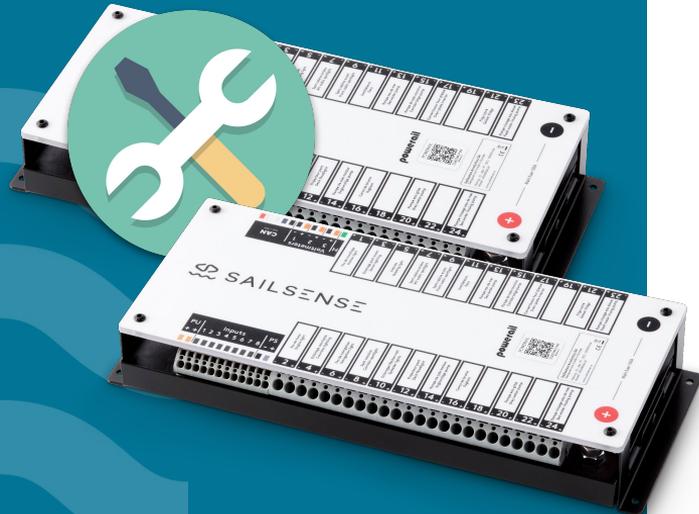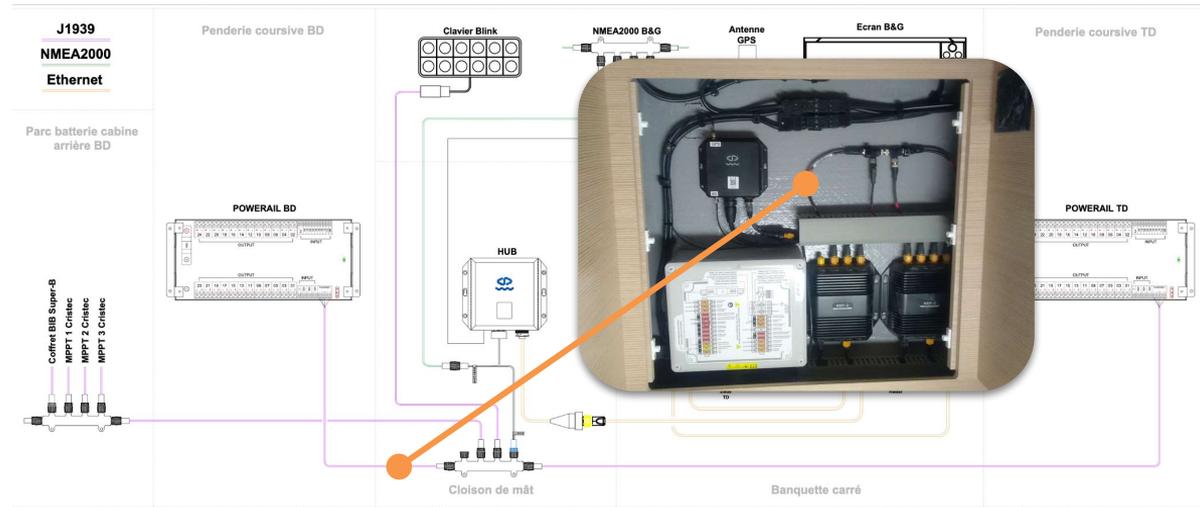**To manually synchronize the Powerail**, follow the instructions of the

Synchronization

Handling 1/3

For example, you have a desynchronization with indoor/outdoor lights : **"Port lights" and "Nacelle lights" cards are ON and "STBD lights" OFF**

- **Step 1 : disconnect the CAN cable of the Port Powerail from the CAN network near the Sailsense HUB**
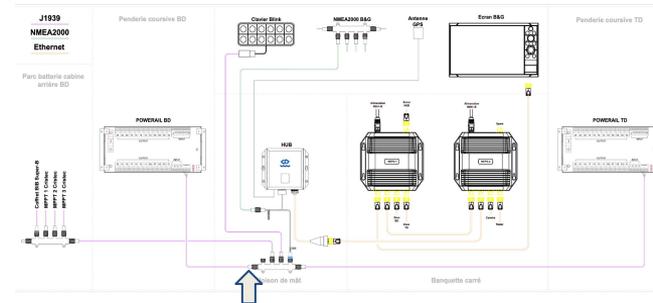
Synchronization

Handling 2/3

SAILSENSE

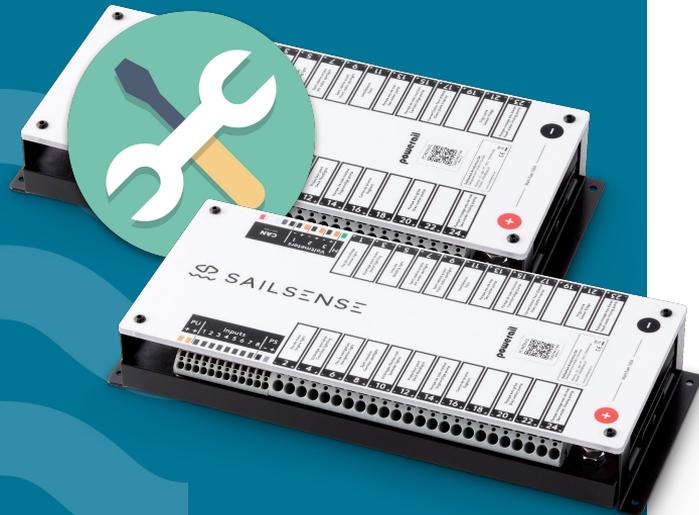- **Step 2 : Turn ON "STBD lights" by pressing the Blink keypad bouton**

Now all the cards (Port lights / Nacelle lights / STBD Lights) are ON on the B&G screen

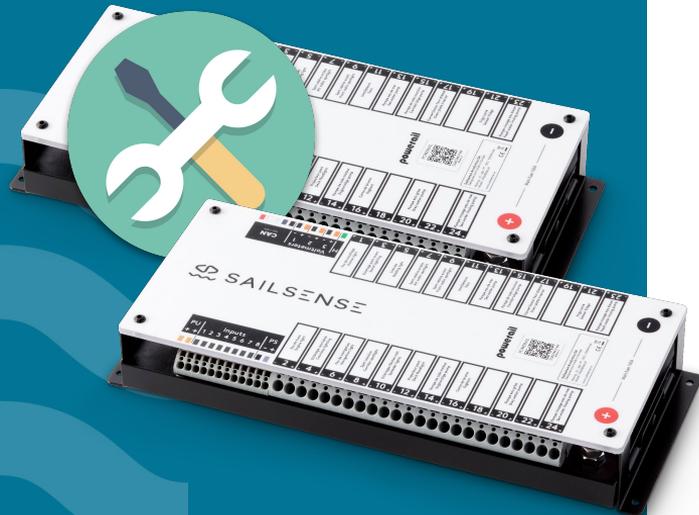- **Step 3 : Reconnect Port Powerail to the CAN bus**

- **Step 4 : Control the synchronisation Portside/Starboard by pressing the Blink Keypad**

Synchronization
Handling 3/3

For **Navigation Lights** and **secret light** the **steps are the same**, only **the way to control change** : Navigation - App + Blink keypad / Secret lights - App

For any question or feedback, please contact Sailsense via :

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Sailsense knowledge base : https://help.sailsense.io/en