



JHUB

MOBILE APP USER GUIDE

INCLUDES PAIRING GUIDE FOR

CONTROLNODE

TEAMBMPRO.COM

MANUAL PART 035855
REV 4.0



The BMPRO product range is proudly designed and manufactured in Melbourne, Australia, and represent a high-quality product that will power your adventures for years to come.

DISCLAIMER BMPRO accepts no liability for any loss or damage which may occur from the improper or unsafe use of its products. Warranty is only valid if the unit has not been modified or misused by the customer.

ABOUT BMPRO

With over 50 years' experience in power solutions combined with manufacturing and design facilities in Melbourne, Australia, BMPRO are the leading experts in RV power and control management.

Inspired by the great outdoors, we have created a range of rugged, smart and reliable products to power your adventures.

Our range of battery, power and RV management and control systems gives you peace of mind when you are on the road, so that you can relax in even the most far flung destinations, knowing you have control over your power needs.

Learn more about the BMPRO range
Visit our website!

TEAMBMPRO.COM

JHUB APP

BMPRO's **JHub App** gives you the freedom to monitor your caravan battery and operate caravan onboard features, all from your smartphone.

The JHub App operates with the J35 Battery Management System and ControlNode, installed in your Jayco caravan.

Operate caravan features including lights, hot water, slide outs and water pumps

Provide full visibility of caravan battery and power management including battery status, power consumption and available charge sources

Maximise battery charging current by quickly turning off all non-essential loads with a single press of a button

Monitor battery status, water tanks and caravan temperature



JHUB APP



KEY FEATURES

COMPATIBILITY



Android 4.2
and above



iOS 11
and above



ControlNode and all
models in the BMPRO
J35 Battery Management
System Range



JHUB APP



Available on the
App Store



ANDROID APP ON

Google™ play

CONTROLNODE

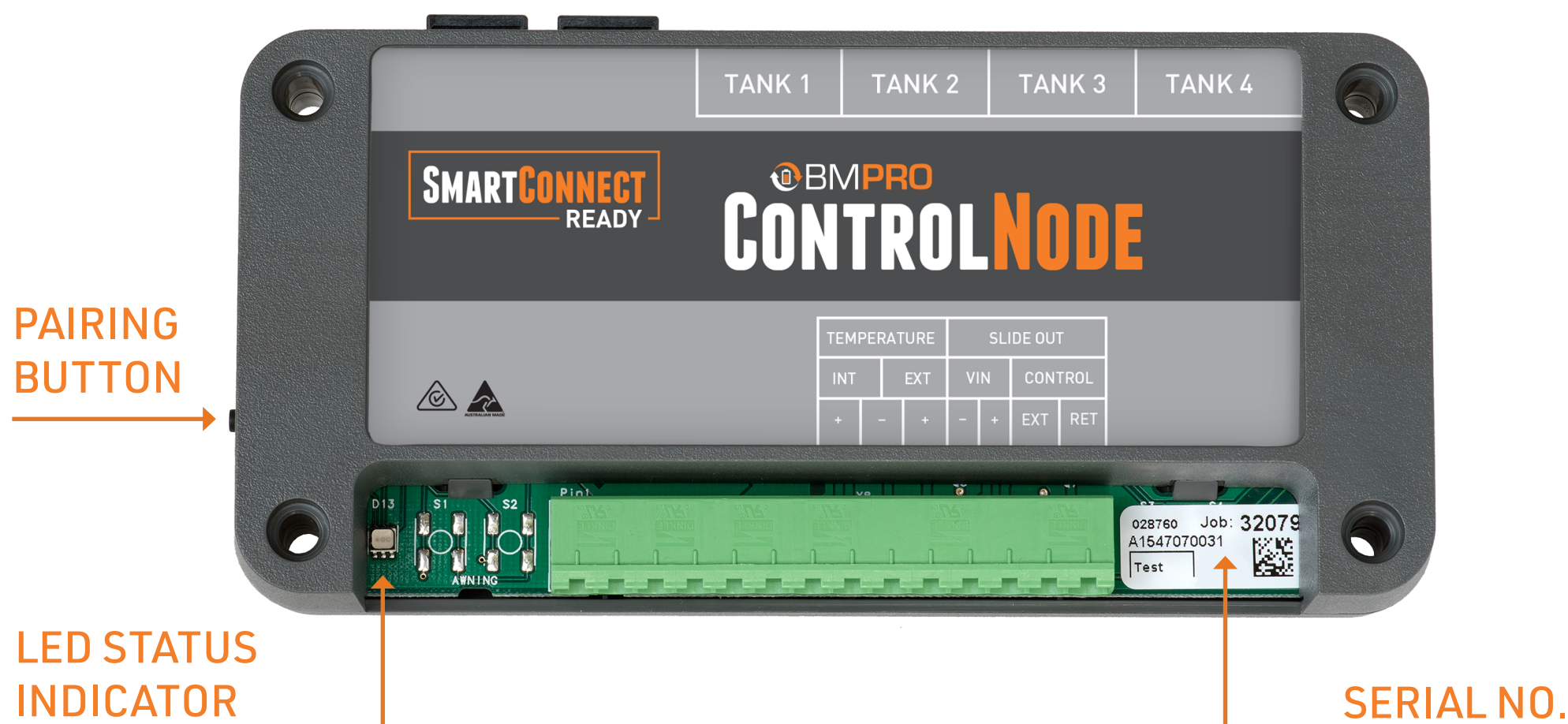
PAIRING YOUR DEVICE

BEFORE YOU BEGIN

1. Connect your J35 to the ControlNode
2. Connect your J35 to available input power sources (AUX, Mains, Solar) and to the caravan battery
3. Turn on Bluetooth on your device
4. Download and install the JHub App

PAIR YOUR DEVICE TO CONTROLNODE

1. Press the pairing button on the ControlNode. The LED will start flashing green which means that you have 30 seconds to pair your phone.



IMPORTANT

A ControlNode can simultaneously pair to four mobile devices, including BMAPRO's JHub Tablet.

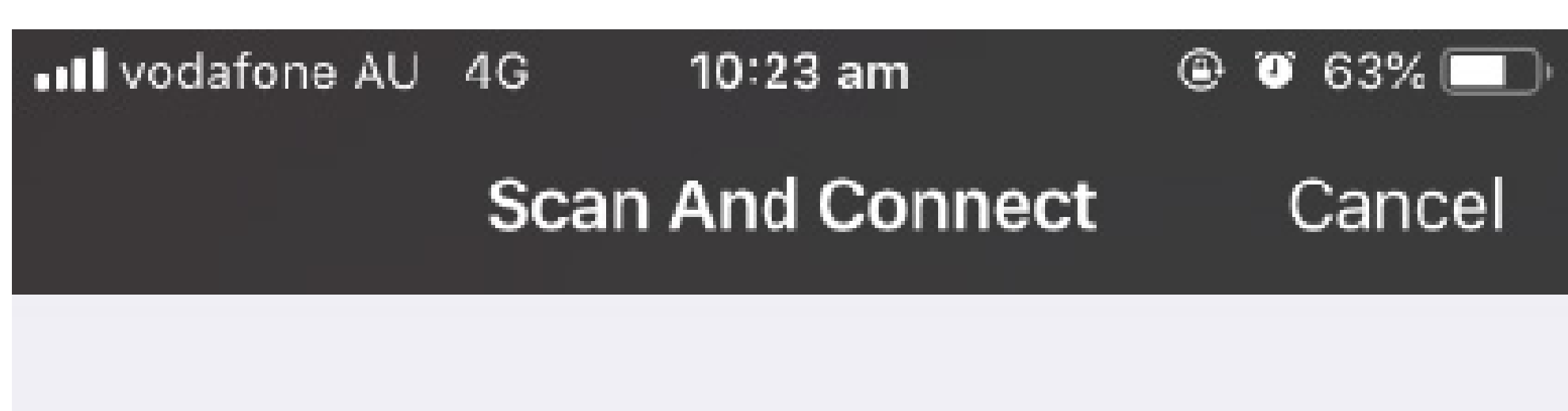
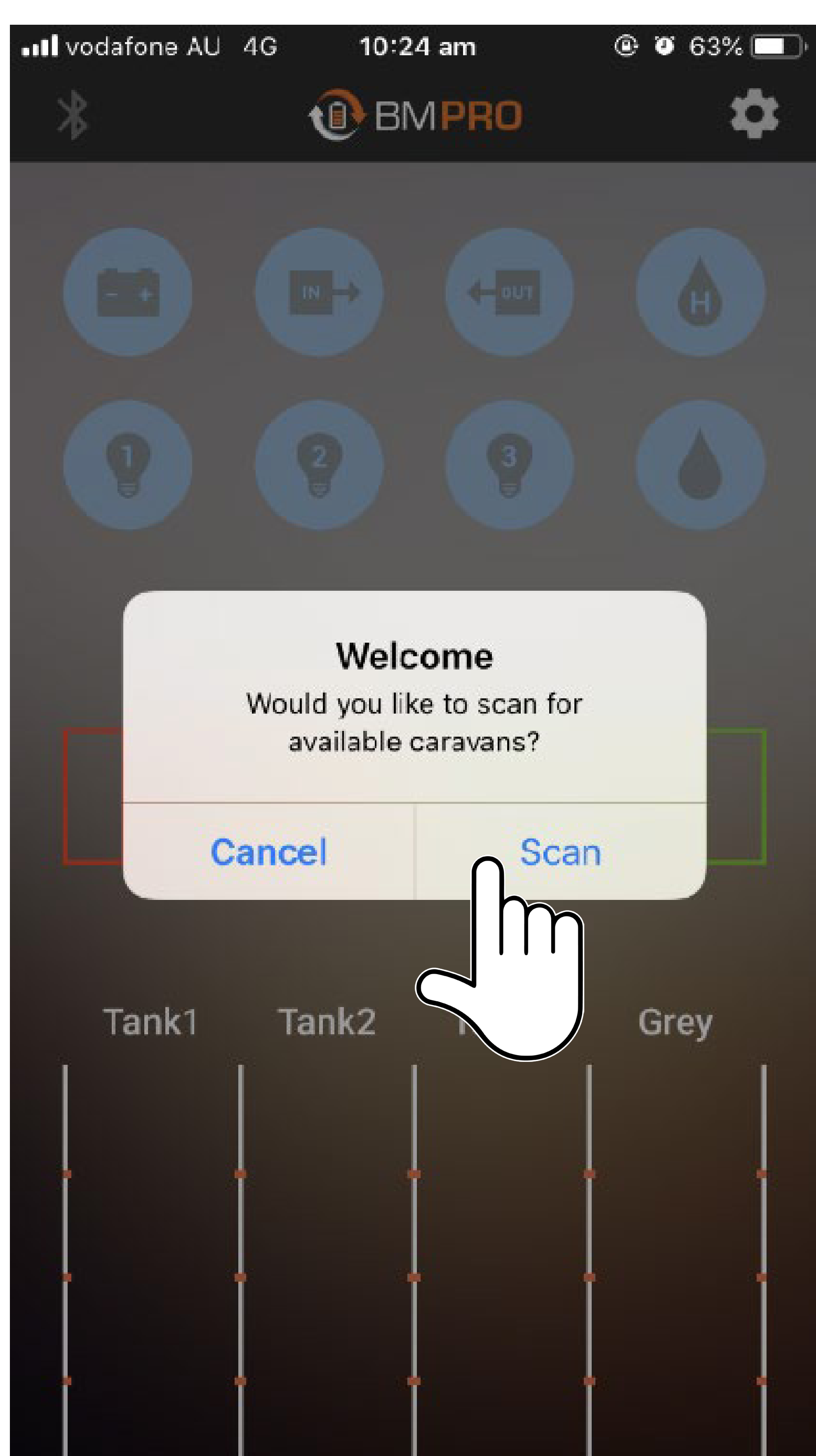
If the ControlNode is already paired to and in Bluetooth range with four mobile devices, the LED on the ControlNode will flash orange for one second instead of green when the Pairing Button is pressed.

Hold the Pairing Button on the ControlNode down for 10 seconds until the LED flashes red. This will clear the ControlNode memory of any connected devices.

The ControlNode will then automatically flash green for up to 30 seconds to indicate that it's ready to pair with a mobile device.

2. Launch the JHub app on your phone and press the "Scan" button and the JHub App will now search for the nearby ControlNode devices.

Once this is complete, a list of the available ControlNode devices ready for connection will appear.



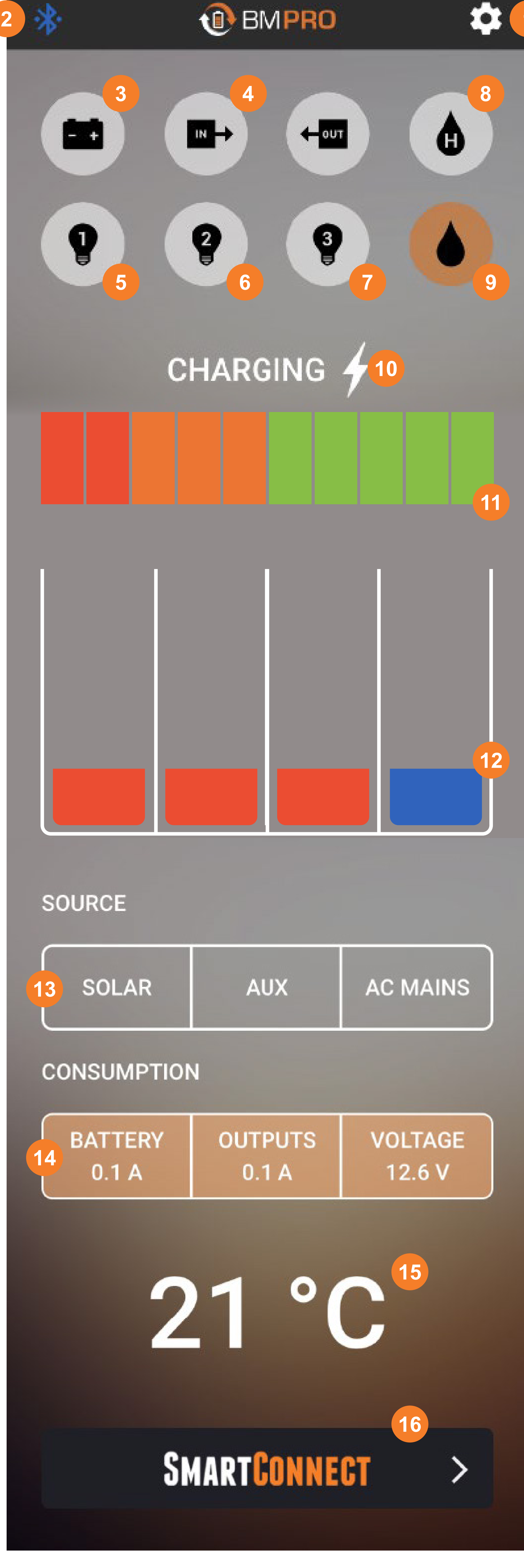
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If you don't see your caravan appear, make sure it is in connection mode

3. Select the device that corresponds to the last six digits of the serial number of the ControlNode you wish to pair.
4. After a successful connection, the LED status indicator on the ControlNode will turn OFF and the Bluetooth icon in the JHub App will turn from red to blue.

JHUB APP

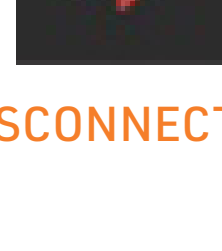
HOME SCREEN



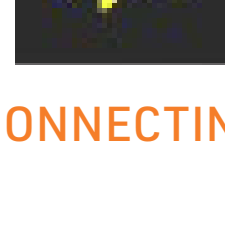
1. SETTINGS MENU

Access to the JHub App settings & functions

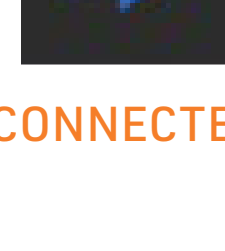
2. PAIRING STATUS



DISCONNECTED



CONNECTING



CONNECTED

Note: Please be aware that when the Bluetooth is disconnected, any information displayed on the JHub App will be incorrect. When the Bluetooth connection is re-established, the JHub App will update to reflect correct battery usage.

3. BATTERY ICON

Enables Sleep Mode which powers off all caravan loads connected to the J35 load terminal block. Battery charging is not affected by sleep mode.

As the caravan loads are no longer powered, Sleep Mode is a convenient way to save remaining power of your battery if you are on the road and have limited ability to charge the battery.

When charging, Sleep Mode ensures that all available charging current is dedicated to charging your battery.

4. SLIDE-IN/OUT CONTROL

Control the caravan's slide-in/out mechanism.

5. AREA MASTER LIGHT SWITCH 1

6. AREA MASTER LIGHT SWITCH 2

7. AREA MASTER LIGHT SWITCH 3

8. HOT WATER HEATER SWITCH

9. WATER PUMP SWITCH

10. BATTERY STATUS

Displays the monitored battery's power capacity and usage status:

CHARGING

The J35 is charging the battery.

Indicated by lightning icon.

DISCHARGING

The caravan battery is in use.

Display shows time remaining until

battery is completely discharged

IDLE

No current is flowing in or out of the caravan battery

11. BATTERY STATE OF CHARGE

Indicator providing a visual display of the battery's power capacity. Displayed only if a battery is connected to the J35

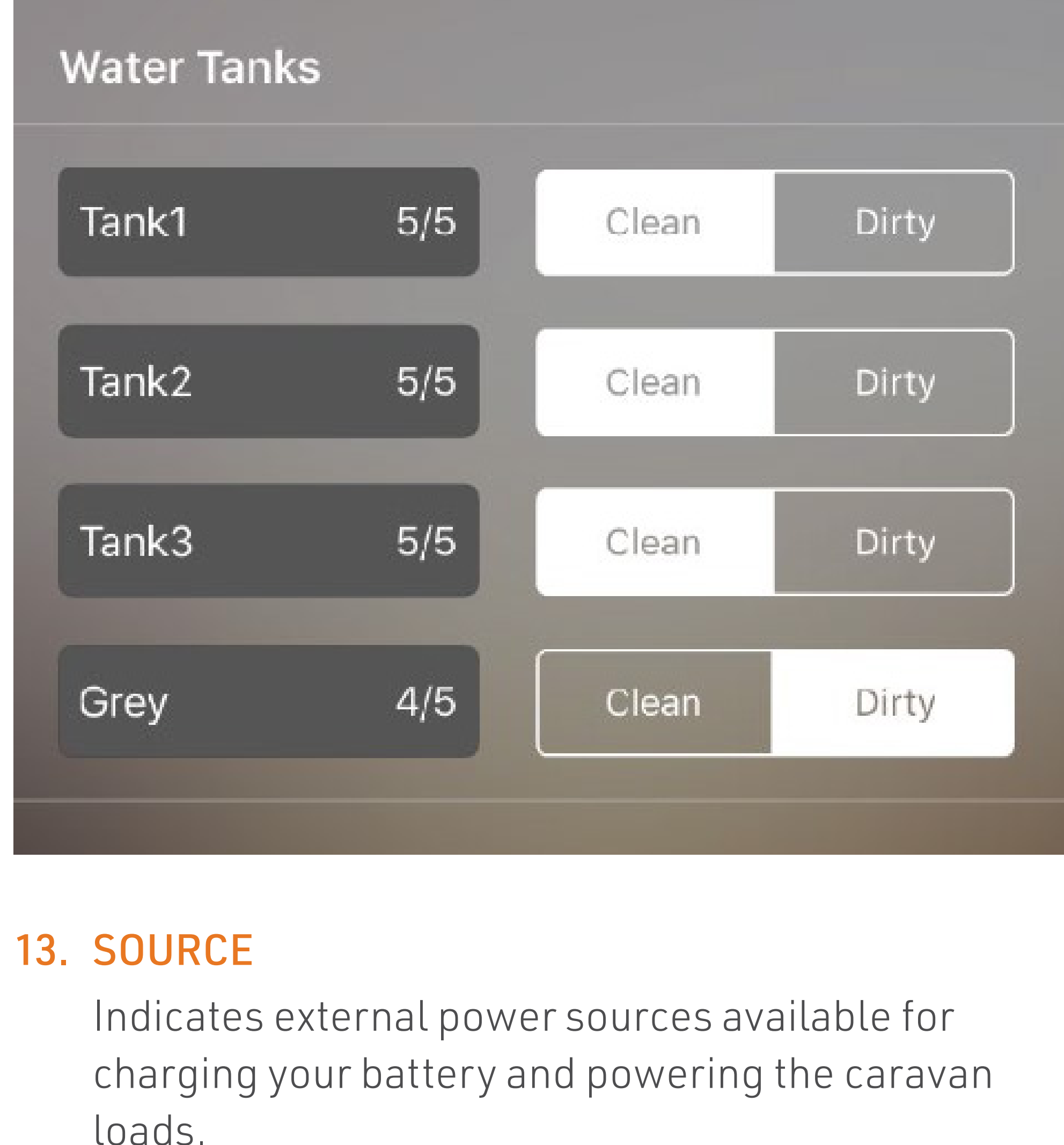
12. TANKS

Monitor water levels of up to 4 water tanks.

The user has the ability change the title and the type of the tank (i.e. dirty/clean) through pressing the "Settings" button at the top right corner in the home screen.

When a 'Fresh' tank is almost empty, the lowest water level segment of the tank will turn red to indicate the tank is almost out of water.

The water level segments on a 'Grey' tank will turn red when the tank is full and needs emptying.



13. SOURCE

Indicates external power sources available for charging your battery and powering the caravan loads.

14. CONSUMPTION INDICATORS

BATTERY

Indicates the charging/discharging current of the battery connected to the J35

OUTPUT

Indicates the current delivered to the caravan's loads.

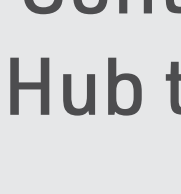
VOLTAGE

Caravan battery voltage

15. TEMPERATURE

Indicates the caravan's internal ambient temperature.

16. SMARTCONNECT

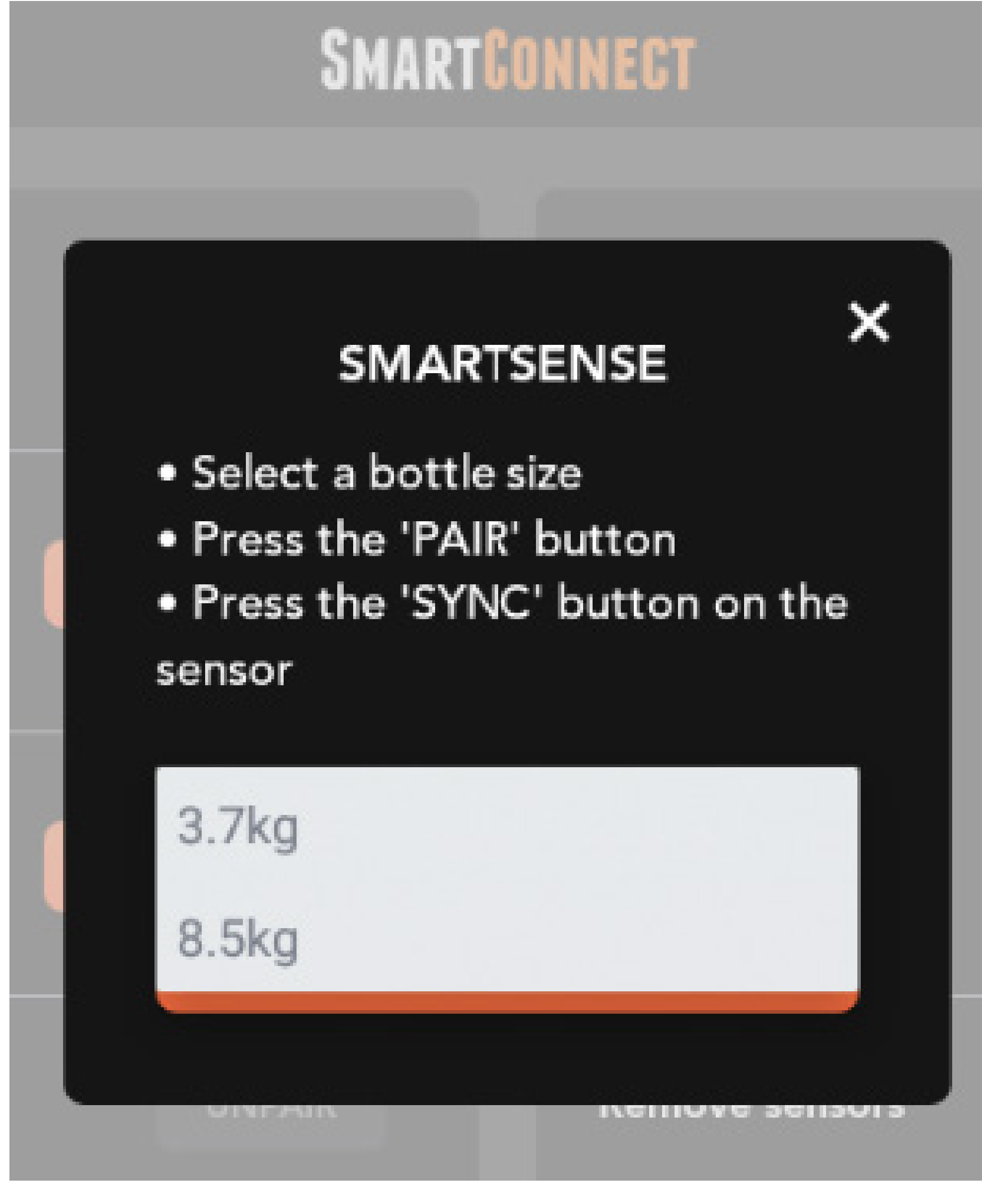
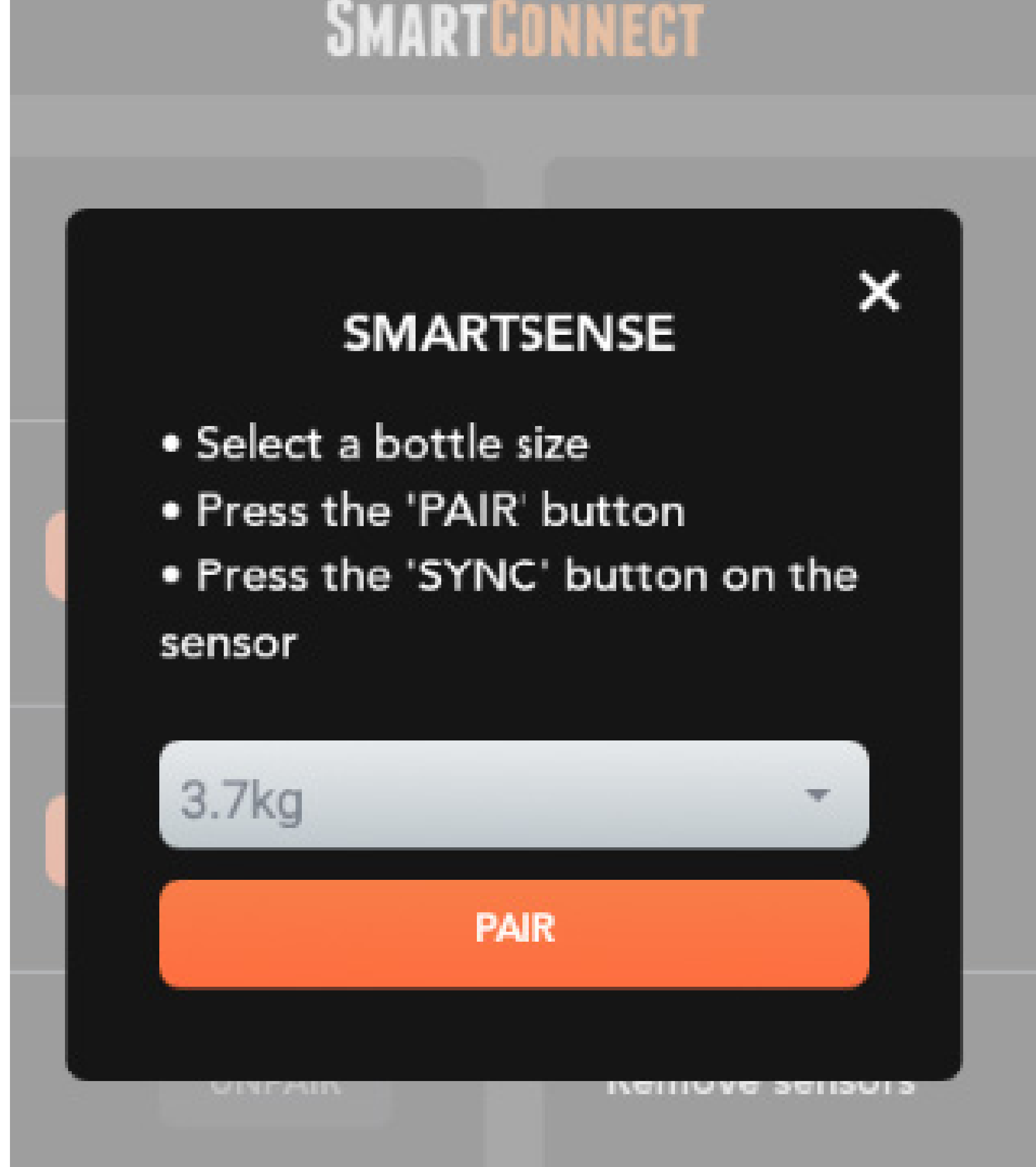


WARNING

BMPRO's ControlNode must be installed for your JHub to be SmartConnect ready.

PAIR YOUR SMARTSENSE SENSOR

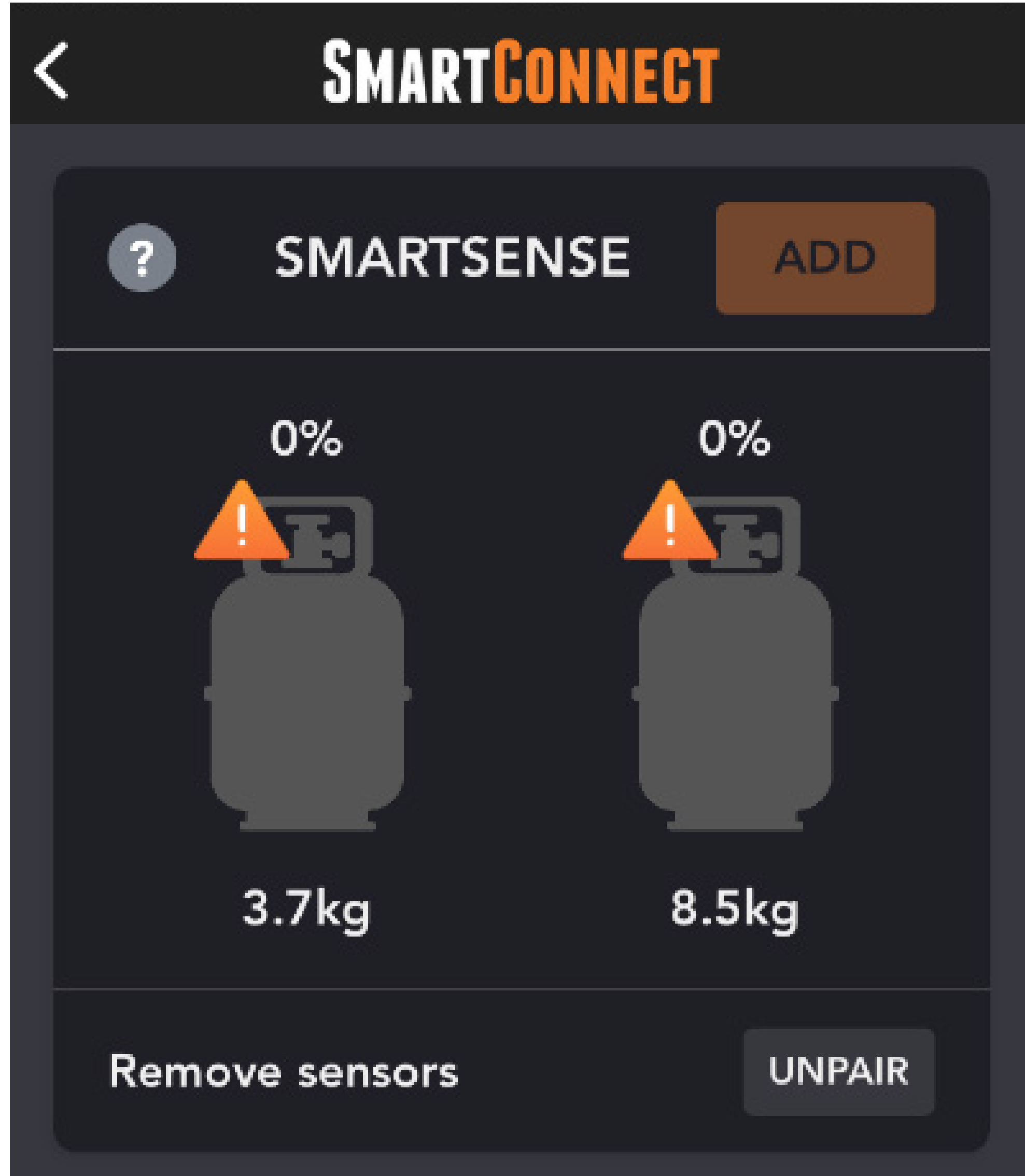
1. Press the “Add” button in top right corner.
2. A notification message will appear with instructions on how to pair your SmartSense
3. Select the bottle size.



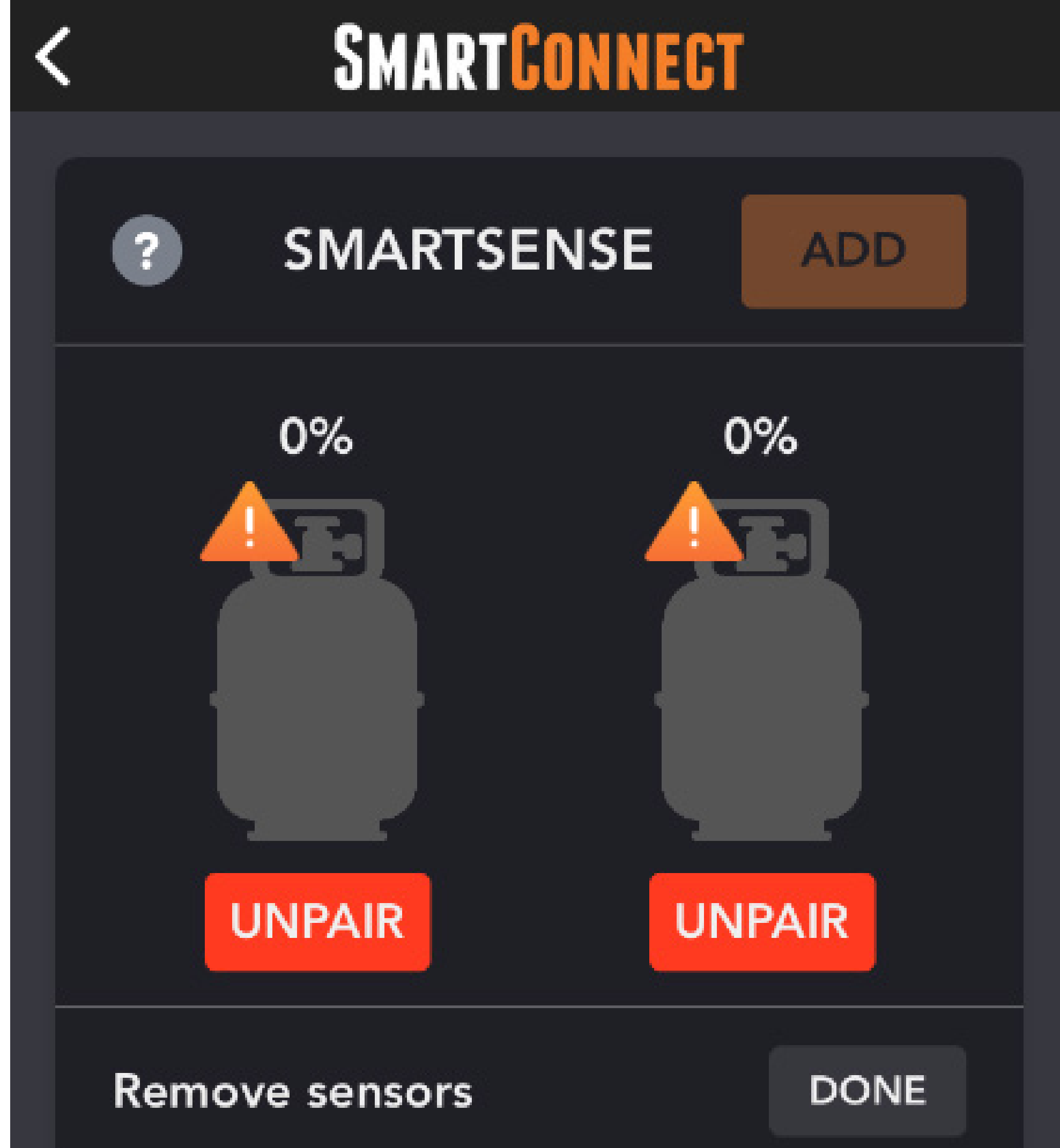
4. Press the “Pair” button.
5. After pressing the “Pair” button in the app, press the “Sync” button on the propane sensor.



Note: the sensors are shipped in the sleep mode to preserve battery life. It may require pressing the “Sync” button 5 times to wake the new sensor up.

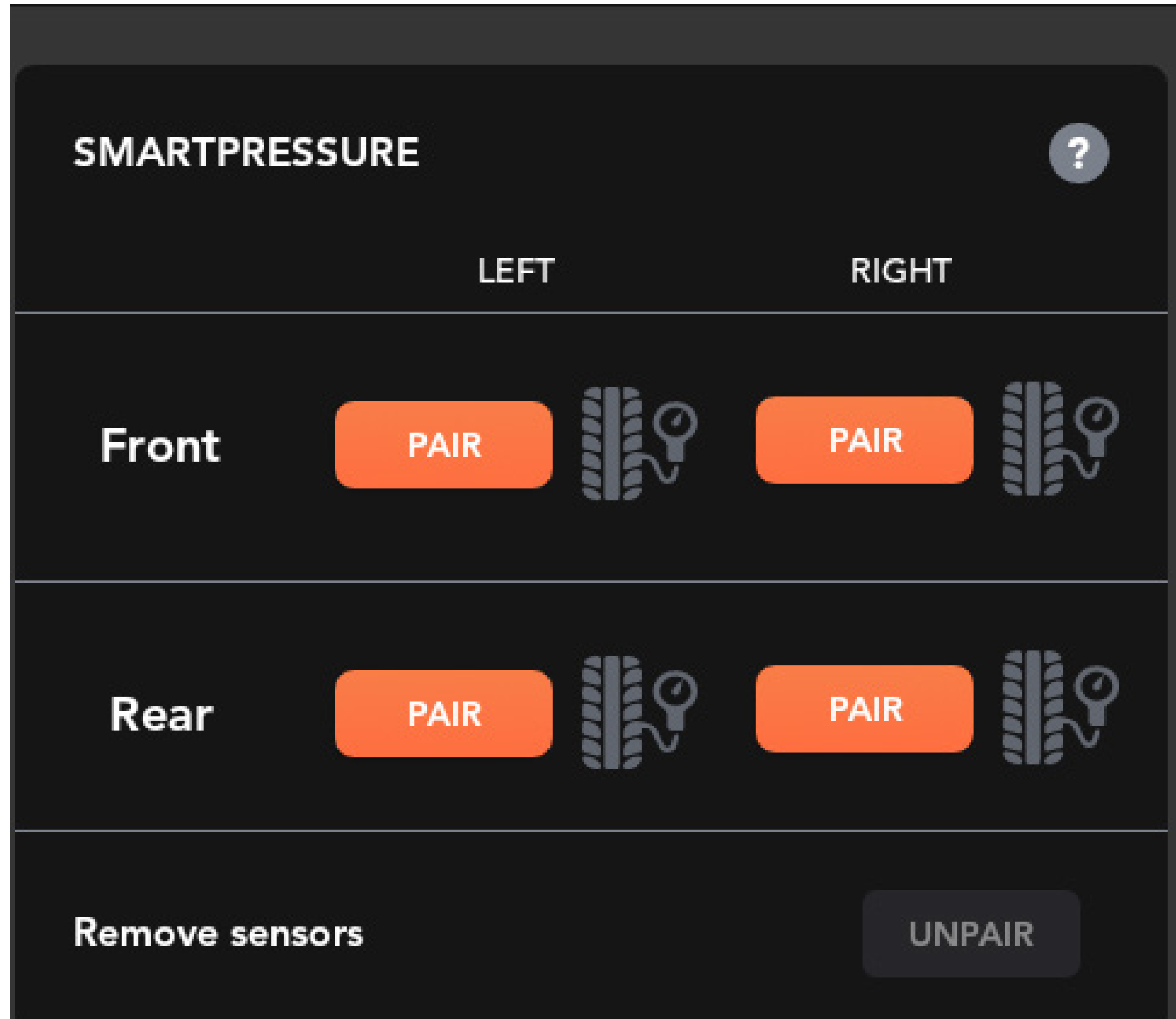


6. The tank should appear on the SmartConnect page as the below figure.
7. To unpair, press the red “Unpair” under the corresponding tank.

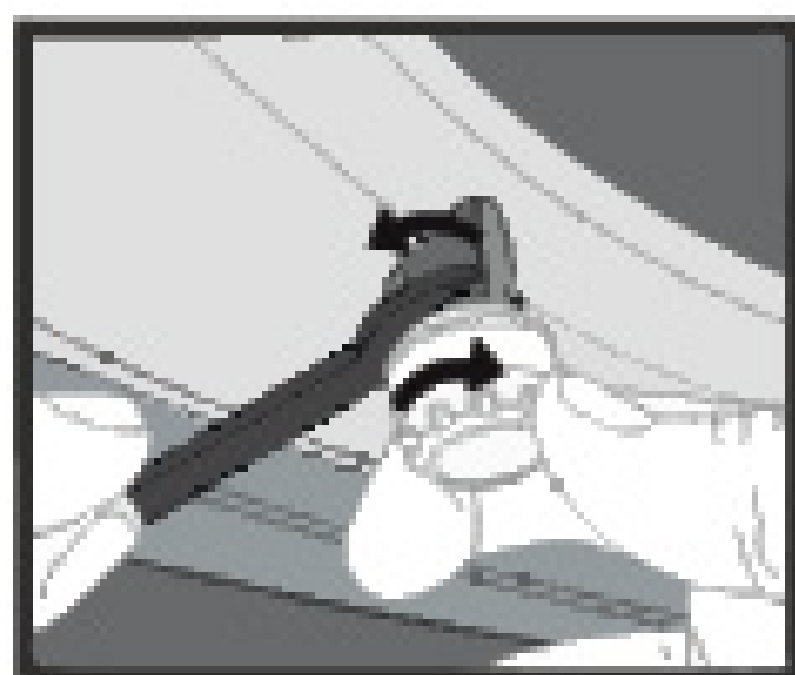


PAIR YOUR SMARTPRESSURE SENSOR

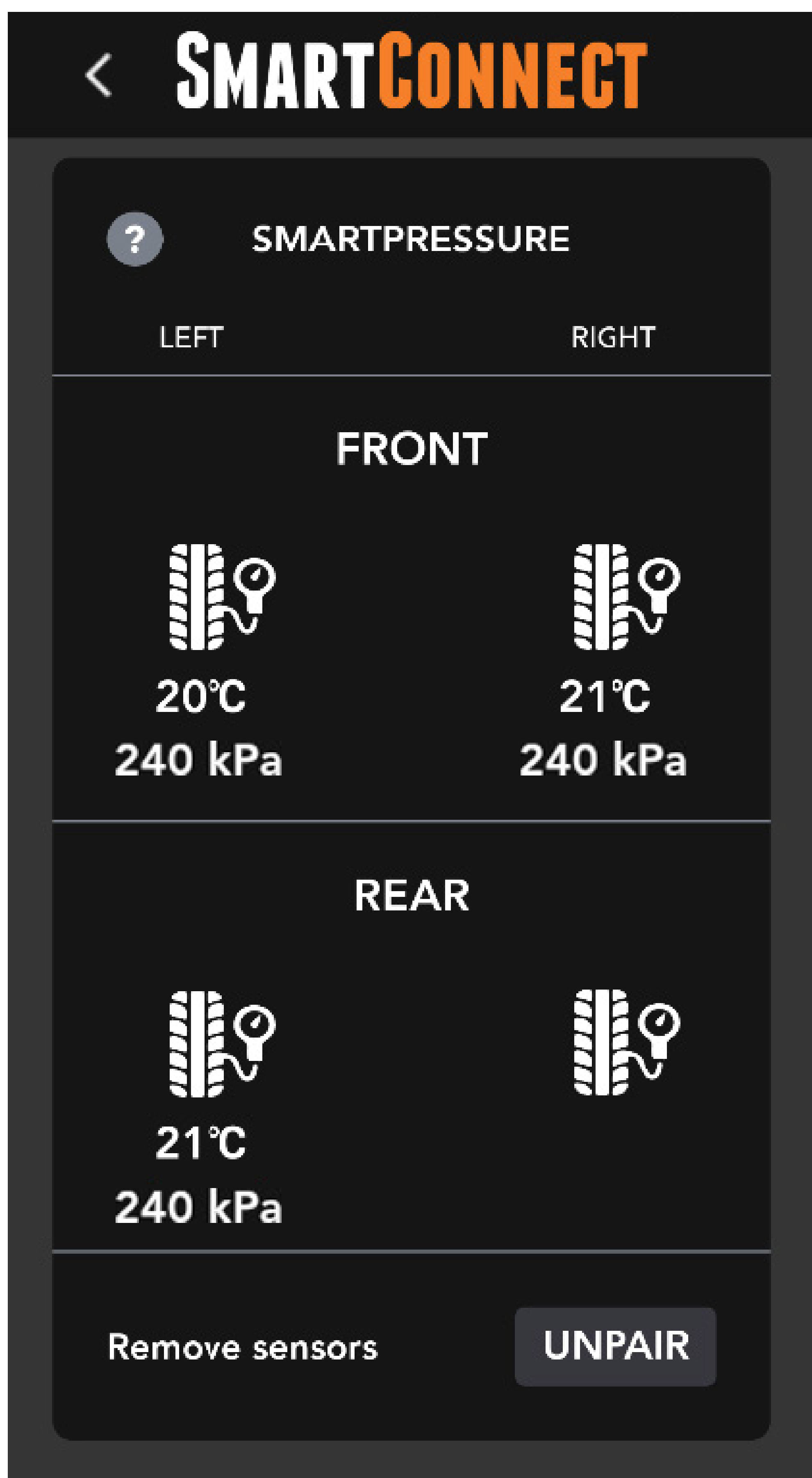
1. To pair the pressure sensor, press the “Pair” button at the location where you want to install the pressure sensor.



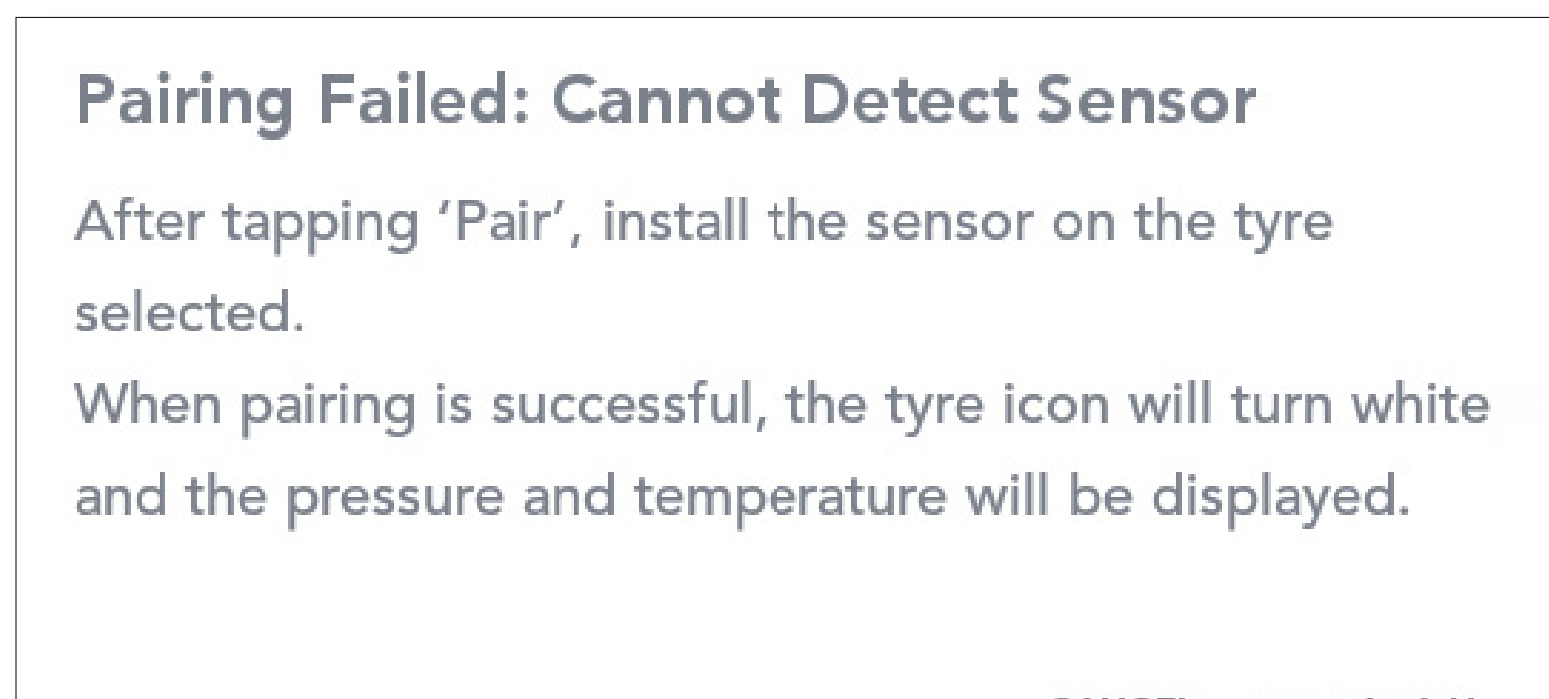
2. After Pressing the “Pair” button, install the pressure sensor on the same selected tyre.



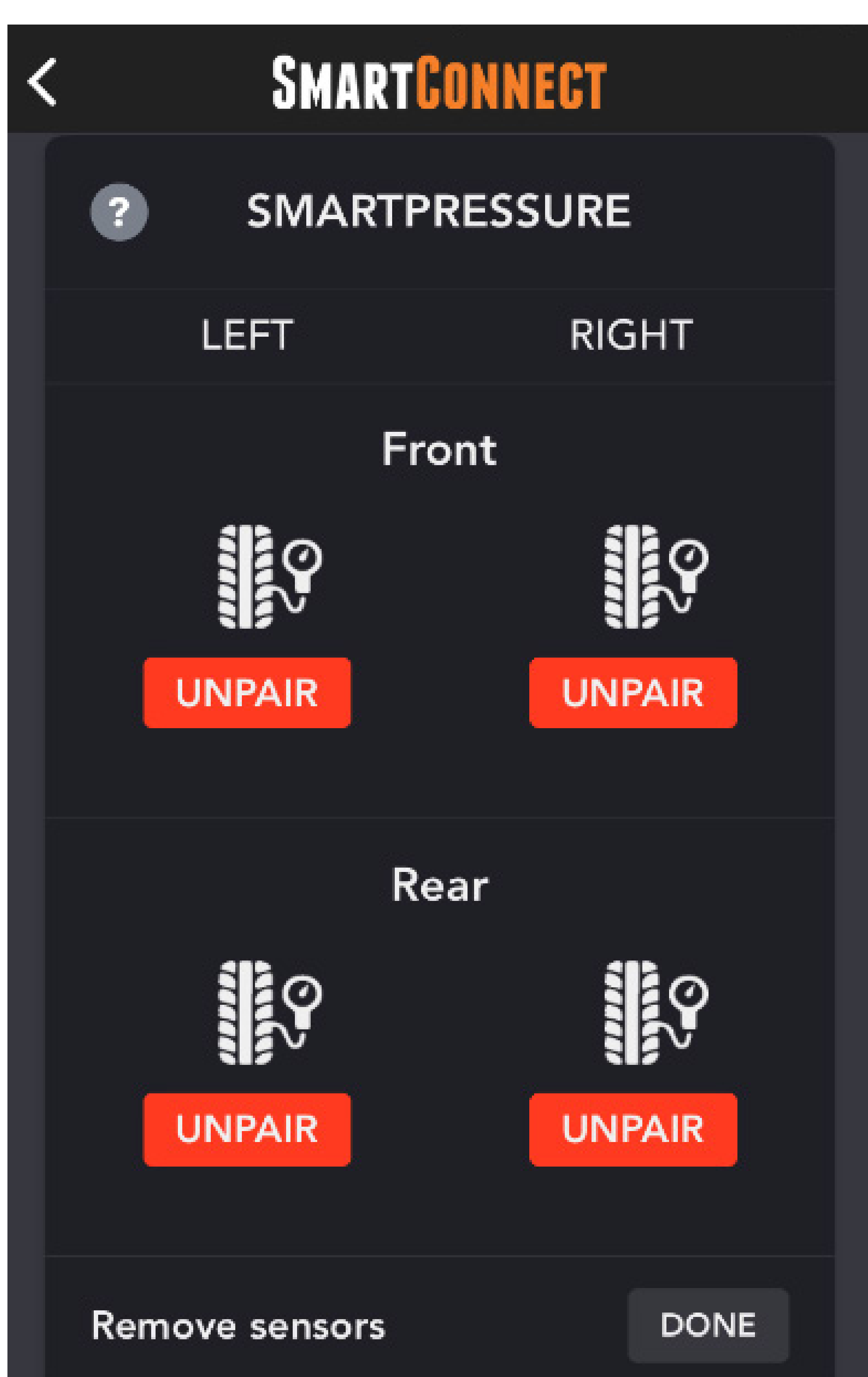
3. If pairing is successful, the tyre icon will be changed to the white color instead of grey and the pressure of the tyre will be displayed



4. If pairing was unsuccessful, a notification message will appear “Pairing Failed: Cannot Detect Sensor” along with “Try again” and “Cancel” buttons.

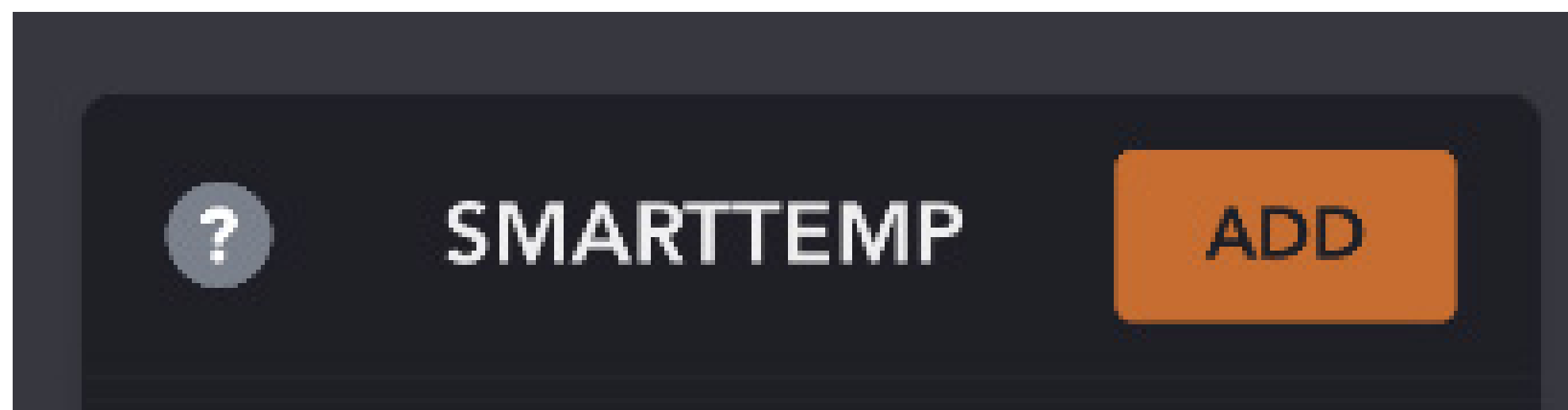


5. To unpair the SmartPressure sensor, press the “Unpair” button below the SmartPressure tile, and then press the red “Unpair” button to complete the process of unpairing the sensor.

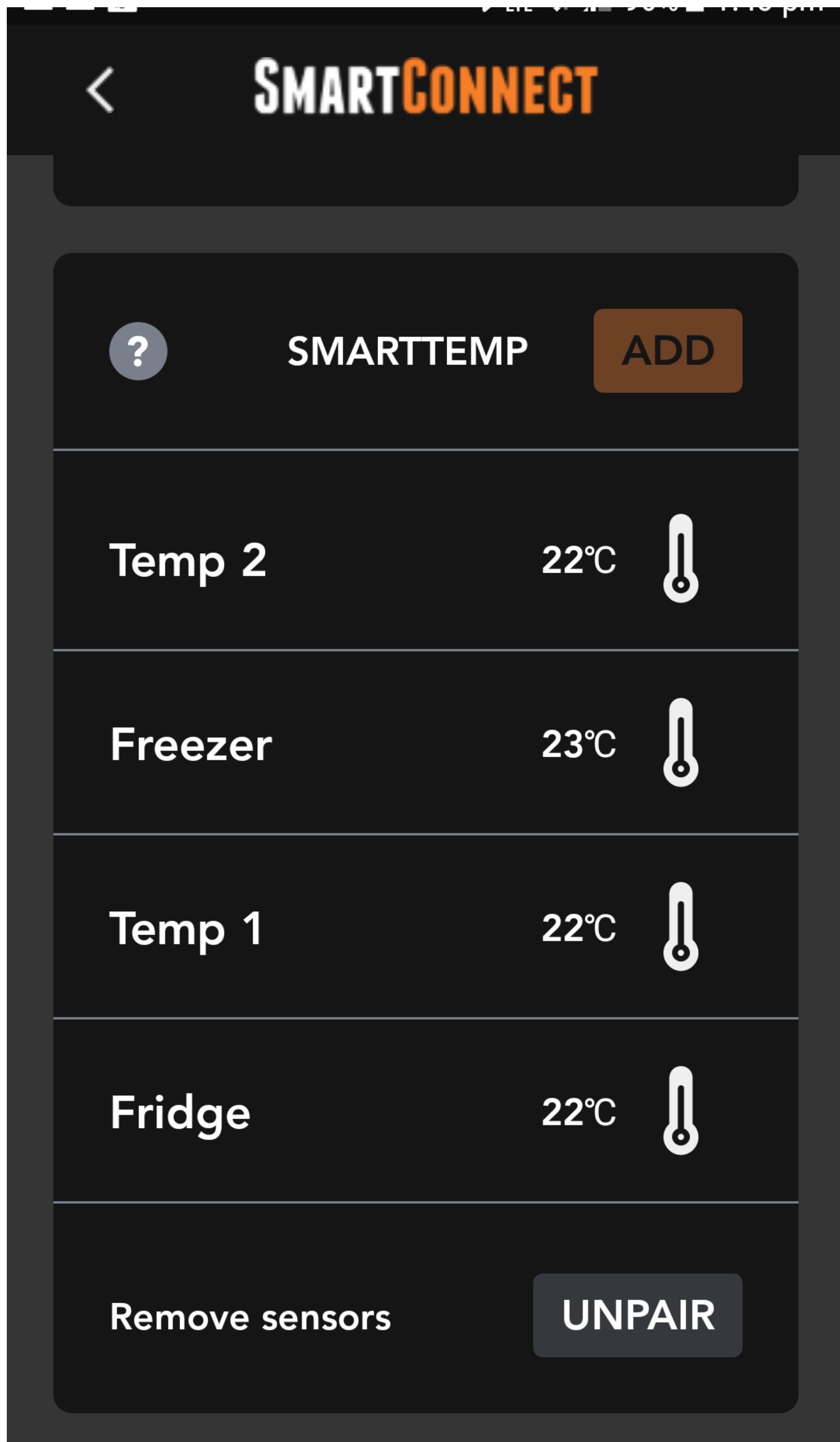
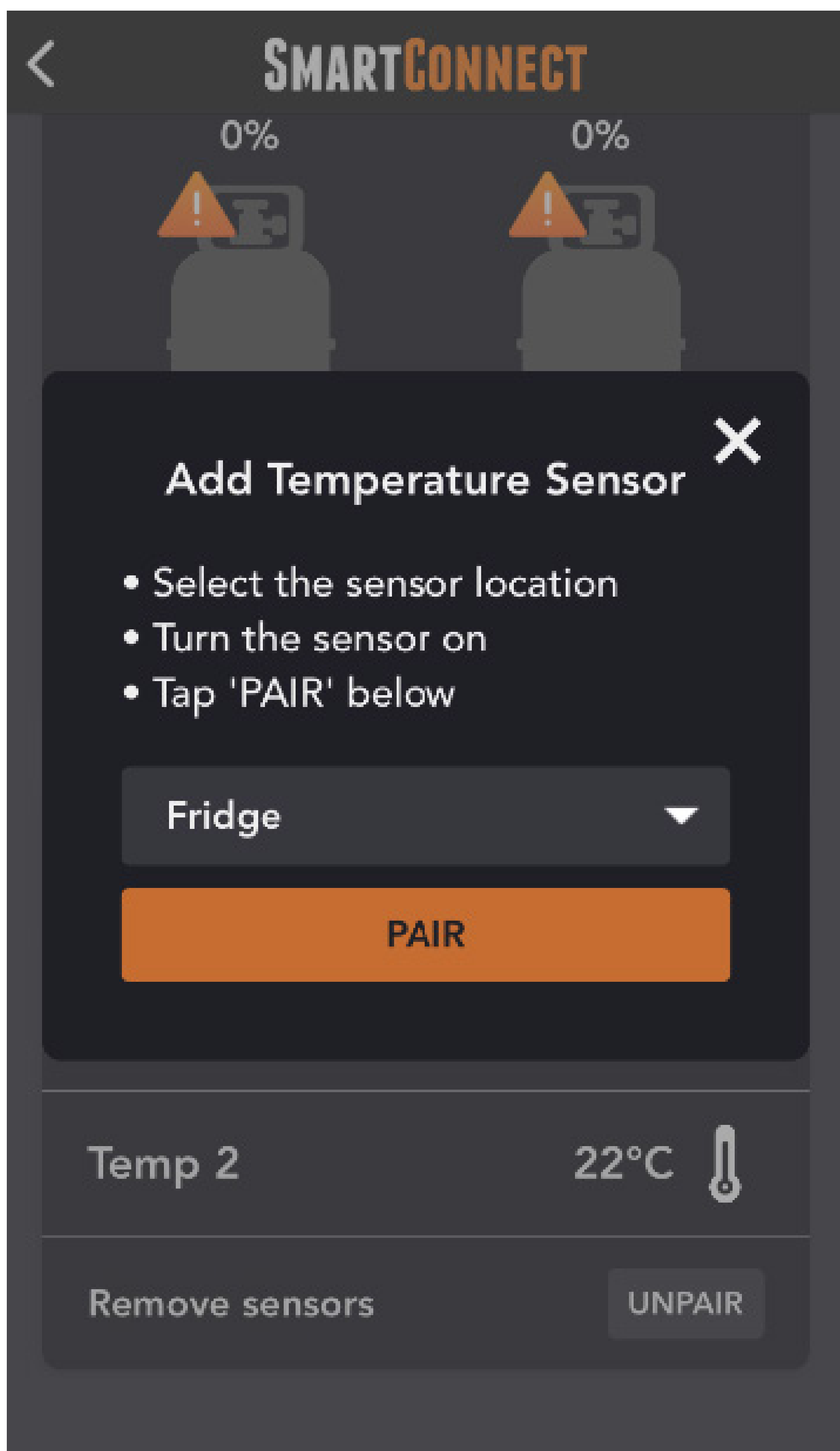


PAIR YOUR SMARTTEMP SENSOR

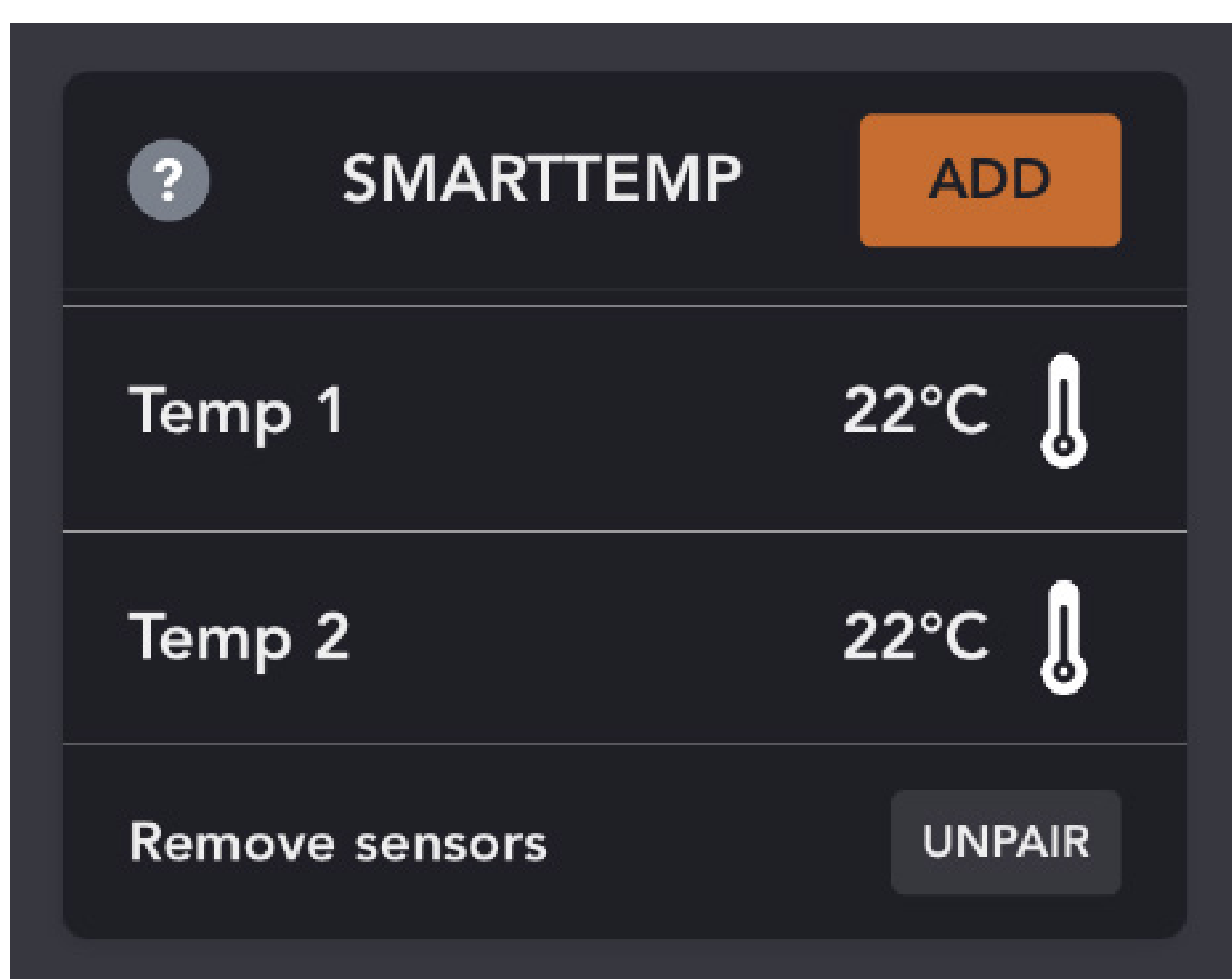
1. To pair the temperature sensor, press "ADD" button.



2. A list will appear to select the temperature sensor location.



3. To turn on the SmartTemp sensor, press and hold the button until the LED blinks green.
4. Press the pair button to start pairing the sensor.
5. After pairing is successful, temperatures sensors will be listed.



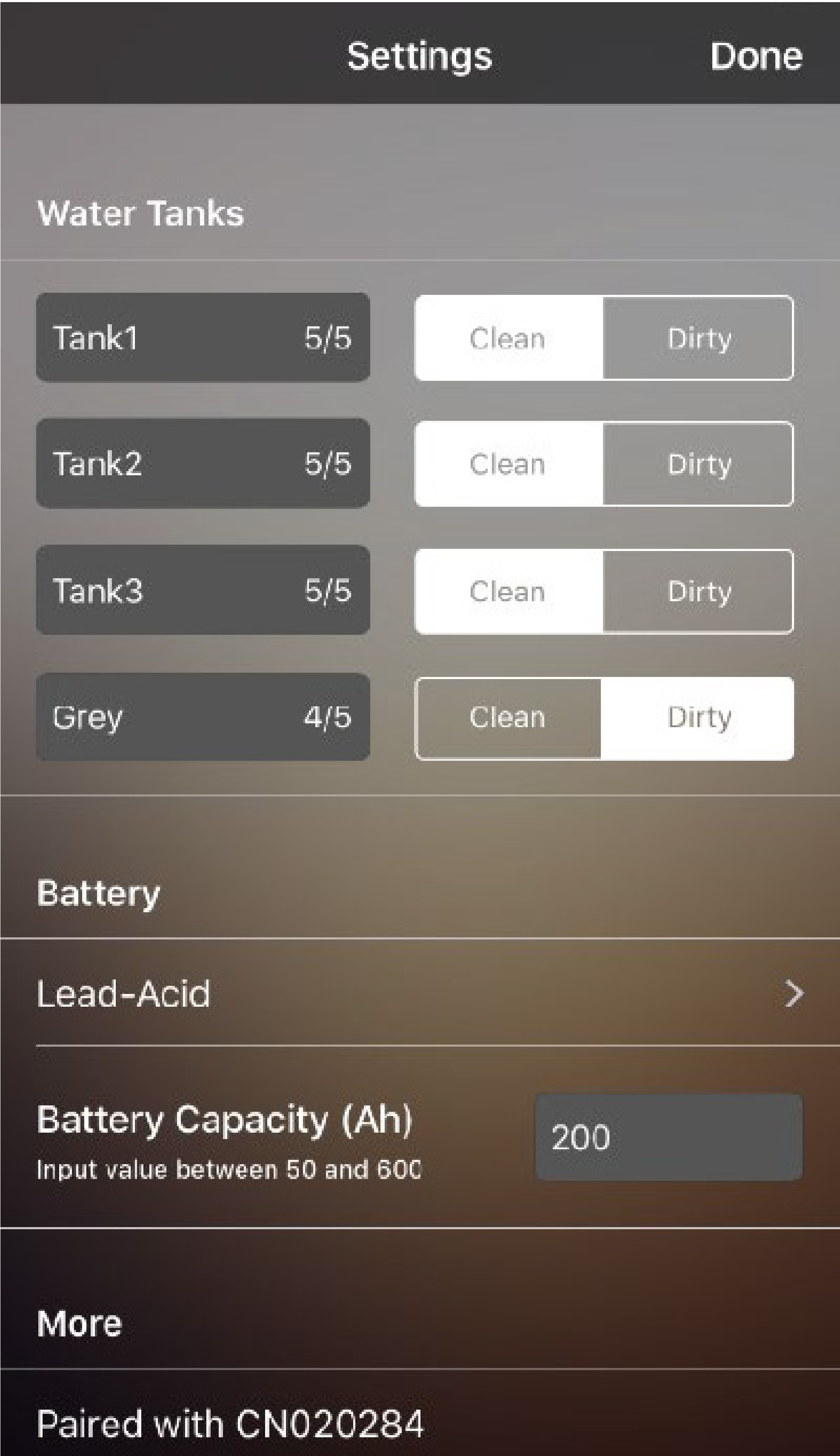
6. To unpair the SmartTemp sensor, press the "Unpair" button below the SmartPressure tile, then press the red "Unpair" button to complete the process.

CONFIGURING A NEW BATTERY

Whenever you replace your caravan battery, make sure that it is configured in the JHub App.

Correctly setting the battery capacity will ensure the software accurately estimates battery State of Charge and accurately calculates the Time Remaining.

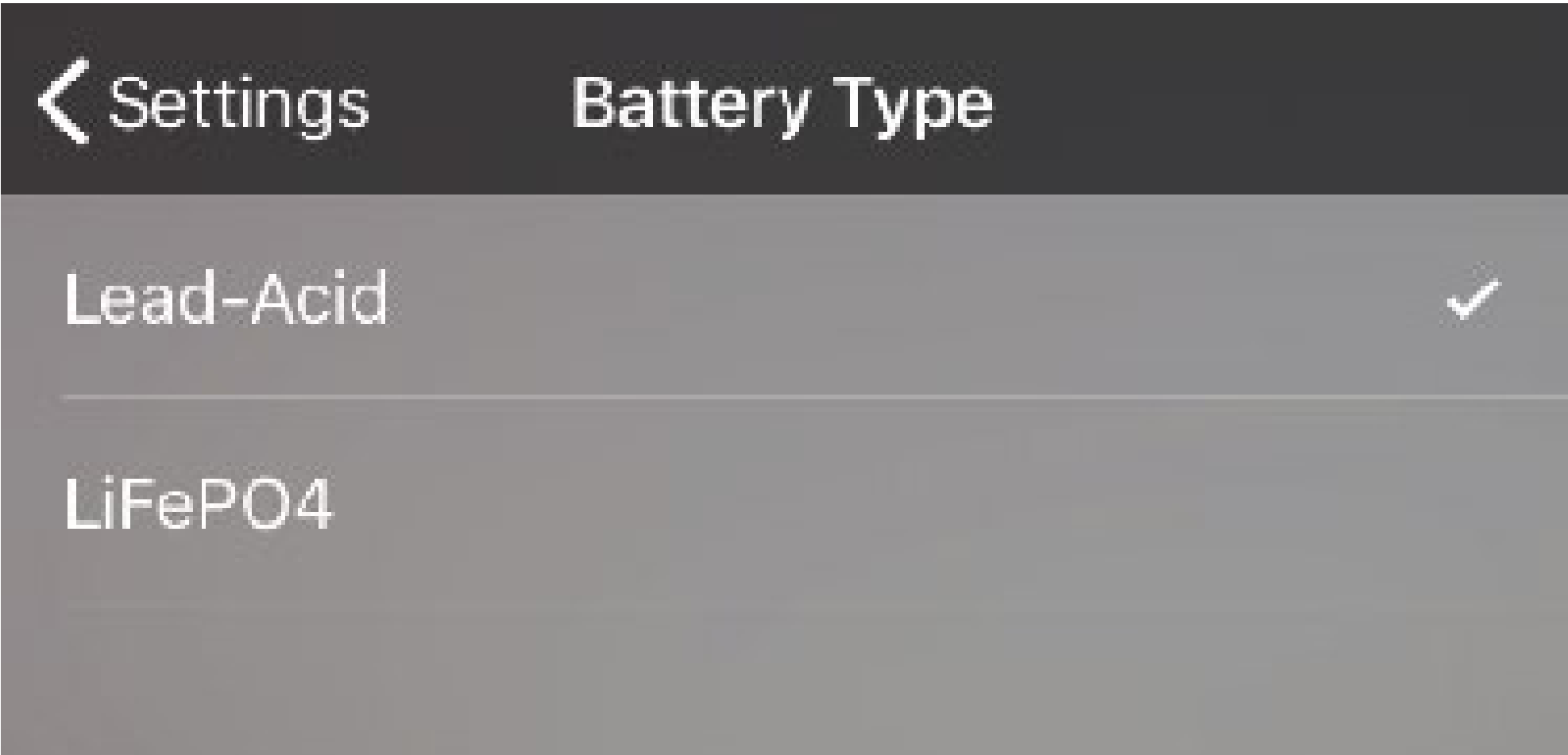
- 1. Press the “Settings Button” in the top right corner in the Home Screen.
- 2. Scroll Down to the Battery Capacity Field.



- 3. Enter your Battery Capacity in Ampere-hours

If using the JHub App with J35B-L or J35D

- 4. Press the tile “Lead Acid” (Default Lead Acid).
- 5. Select the appropriate Battery type, Lead Acid or LiFePO4.



- 6. Return to the JHub App home screen.