



OWNER'S MANUAL

ODYSSEYCONTROL

INCLUDING

ODYSSEYLINK



TEAMBMPRO.COM



BM PRO

POWERING YOUR ADVENTURES

With over 50 years' experience in power solutions combined with manufacturing and design facilities in Melbourne, Australia, BM PRO 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.

To learn more about the BM PRO range of products, please visit our website **teambmpro.com**



SAFETY PRECAUTIONS

Please read the Safety Precautions before installing or using the OdysseyControl and OdysseyLink. Be sure to observe all precautions without fail. Failure to observe these instructions properly may result in personal damage, or personal injury which depending on the circumstances may be serious and cause loss of life.



Do not drop or vigorously shake the product as this may cause damage. Do not shock the product, its accessories or batteries as this may cause the product or battery to fail, catch fire or explode.



Stay away from magnetic equipment. Radiation may erase the information stored on this product causing it to become inoperative.



Please note that your battery can only reach top performance level only after it has been fully charged and discharged two or three times.



Keep this product and your battery dry and do not expose it to water or water vapour. Do not use this product in areas where it can fall into water, such as, for example, near a pool, pond or bath. Do not operate this product or your battery with wet hands. Contact with water will cause the product or your battery to short-circuit or corrode and may result in electric shock.



Do not use this product in environments that are excessively hot, cold, dusty or humid or where it will be exposed to magnetic fields or long periods of sunshine. Such exposure may cause the product or your battery to fail, catch fire or explode.



Product specifications are subject to change and improve without notice.

ABOUT THE ODYSSEYCONTROL

The OdysseyControl is a sleek, in-built, app-driven battery monitor and control console that operates with BMPRO's BatteryPlus35 via the OdysseyLink.

The Odyssey gives users a new level of comfort and knowledge about the caravan's battery and power consumption including:

- ▣ Full visibility and control of the caravan's battery system including battery status, power consumption and available charge sources
- ▣ Monitoring of clean and dirty water tanks and caravan temperature
- ▣ Control of caravan features, including lights, slide-out and water pumps

Note: Sensors are compatible only with OdysseyLink103

WHAT'S INCLUDED

Included with this product are:

- ▣ OdysseyControl
- ▣ OdysseyLink
- ▣ OdysseyControl Owner's Manual

MANUAL PART 034731
REV 3.0



Designed by **BM PRO**, one of Australia's leading power solution experts, the **BM PRO** product range is proudly Australian made in Melbourne and represent a high-quality product that will provide years of service.

DISCLAIMER: **BM PRO** 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.

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DESCRIPTION OF PARTS

ODYSSEYCONTROL APP



Figure 1: The OdysseyControl Dashboard

1. PAIRING STATUS

Indicates Bluetooth pairing status between OdysseyControl and OdysseyLink.

ICON	PAIRING STATUS
	CONNECTED
	DISCONNECTED

Table 1: Pairing status indications

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

2. SETTINGS MENU

Access to the OdysseyControl settings and functions.

3. TANKS

Monitor water levels of up to 4 water tanks. Tank properties, such as name and water source (i.e. clean or dirty water) are configurable via the Settings Menu.

When a 'Clean' tank is almost empty, the tank will turn red to indicate the tank is almost out of water.

A 'Dirty' tank will turn red when the tank is full and needs emptying.

4. ECO MODE

ECO Mode powers off all caravan loads connected to the BatteryPlus35 load terminal block except for terminal 1. Battery charging is not affected by ECO Mode. Monitoring of battery usage is still available from the OdysseyControl.

As the caravan loads are no longer powered, ECO 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, ECO Mode ensures that all available charging current is dedicated to charging your battery.

5. LIGHT ZONES

To turn lights in three dedicated zones on and off. Lights may be renamed via the Settings Menu.

6. WATER PUMPS

To turn water pumps on and off.

7. SLIDE OUTS

The caravan's slide-out mechanism will be engaged while the appropriate button is pressed; release the button to stop the movement.

As a safety precaution, if the BatteryPlus35 is connected and receiving power from the AUX source, you will not be able to operate Slide Outs from the OdysseyControl. This safety feature prevents the caravan's slide-out mechanism from operating while you are driving on the road. Operation of Slide Outs from the OdysseyControl will become available when the towing vehicle is parked.

8. BATTERY STATUS

A display of the battery's power capacity and usage.

BATTERY STATUS	
CHARGING	The BatteryPlus35 is charging the battery-denoted by the lightening symbol
DISCHARGING	Indicates the caravan's battery is in use and the time remaining before the battery is completely discharged
IDLE	Indicates that no current is flowing into or out of the caravan battery

Table 2: Battery status indications

9. SWIPE UP

Swipe up to access more information on caravan battery and power consumption (figure 2)

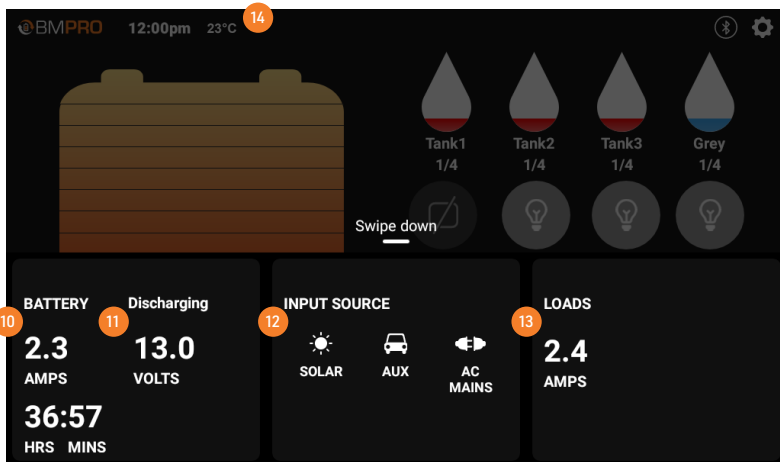


Figure 2: OdysseyControl Battery and Power Consumption

10. BATTERY AMPS

Indicates the charging/discharging current of the battery connected to the BatteryPlus35.

11. BATTERY VOLTS

Indicates the voltage of the battery connected to the BatteryPlus35.

12. INPUT SOURCE

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

13. LOADS

Indicates the current supplied by the BatteryPlus35 to power all loads connected to the BatteryPlus35.

14. TEMPERATURE

Indicates temperature of the caravan

Note: Connect wired temperature sensor to the "INT + / -" terminal of the OdysseyLink.

15. SMARTCONNECT

Access SmartConnect sensor screen

ODYSSEYLINK

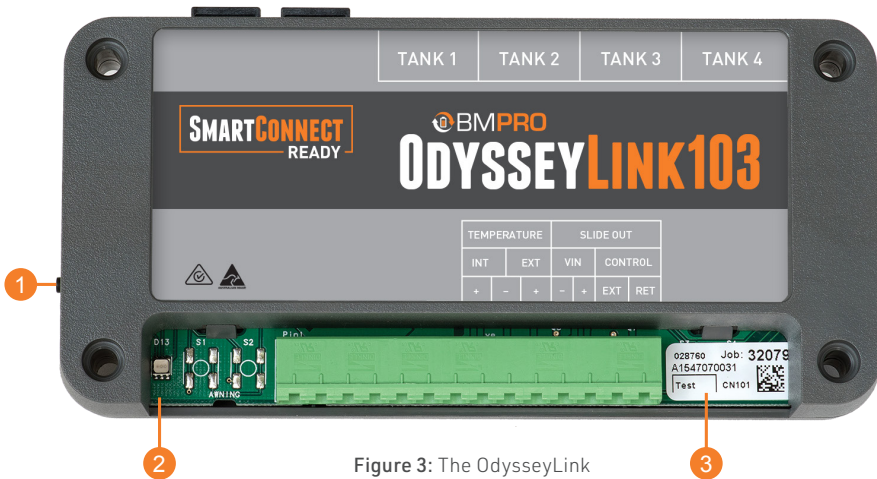


Figure 3: The OdysseyLink

1. PAIRING BUTTON

Button to enable Bluetooth pairing between the OdysseyLink and the OdysseyControl.

2. LED STATUS INDICATOR

Indicates the operational/pairing status of the OdysseyLink. The LED will blink green if the OdysseyLink is ready to pair to the OdysseyControl.

3. SERIAL NUMBER

Required when pairing the OdysseyLink to the OdysseyControl.

USING THE ODYSSEY

PAIRING THE ODYSSEYLINK

The following instructions explain how to pair the OdysseyLink to the OdysseyControl.

1. Make sure that the OdysseyLink is connected to the BatteryPlus35 and that the BatteryPlus35 is powered on.
2. Press the Pairing Button on the OdysseyLink. The LED Status Indicator on the OdysseyLink will flash green, indicating you have 30 seconds to pair the OdysseyLink to the OdysseyControl.
3. Launch the Odyssey App and press scan at the prompt.
4. The Odyssey App will now search for nearby OdysseyLink devices. Once this is complete a pop-up window will appear with a list of OdysseyLink devices available for connection.
5. Select the device with the number that corresponds to the last six digits of the serial number of the OdysseyLink you wish to pair to.

If successful, the Pairing Status icon on the Odyssey App will show that the OdysseyControl and OdysseyLink are connected.

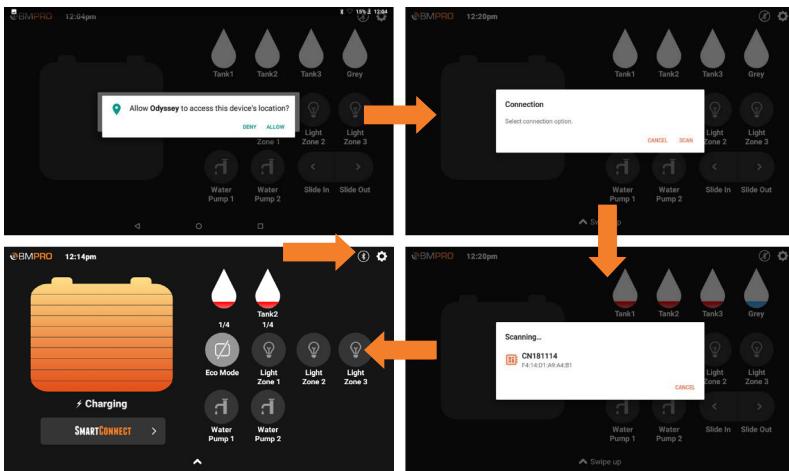


Figure 4: Pairing the OdysseyLink to the OdysseyControl. Before starting a scan, the Odyssey App may request access to the device's location-always allow.

CONFIGURING A NEW BATTERY

Whenever you replace your caravan battery, make sure that it is configured with the OdysseyControl.

Correctly configuring the battery capacity will ensure that the BatteryPlus35 will select the best charging parameters for the caravan battery in use and the software accurately estimates battery usage, including Battery Capacity and Time Remaining.

To configure a new battery, power down the BatteryPlus35, replace the battery, then repower the BatteryPlus35 from the OdysseyControl.

1. Click on the Settings Menu icon
2. Scroll down to the Battery Capacity field
3. Enter your battery's Battery Capacity in Ampere-hours (default 100Ah)

And if you have purchased a BatteryPlus35-HA:

4. Select the appropriate Battery Type, Lead Acid or LiFePO4 (default lead acid)
5. Return to the Odyssey App home screen

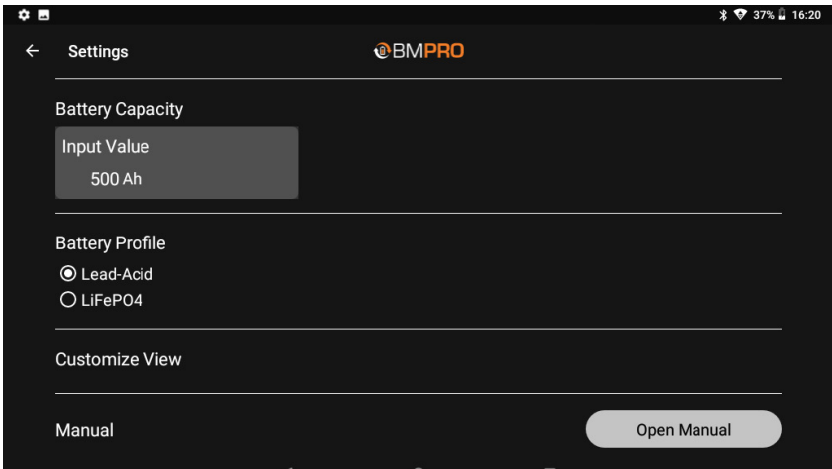


Figure 5: Configuring a new battery. The option to configure Battery Profile is not available if your BatteryPlus35 is incompatible with lithium charging.

CONTROLLING LOADS WITH THE ODYSSEYCONTROL

Controlling loads is as simple as a push of a button. A light grey icon indicates the load is on, and dark grey, the load is off. The following examples describe situations in which a load is unable to be used.

Low Battery Voltage

If the caravan's battery voltage drops to low levels, the BatteryPlus35 will automatically enter ECO Mode, stopping power to all caravan loads connected to the BatteryPlus35 load terminal block (except terminal 1). In ECO mode load control from the OdysseyControl is disabled. You will still be able to monitor the battery capacity and consumption with the OdysseyControl.

If the caravan's battery voltage continues to drop, the BatteryPlus35 will then enter Storage Mode and the OdysseyLink will no longer receive power through the communication bus. The OdysseyLink will disconnect Bluetooth communication to the OdysseyControl. Monitoring of battery capacity and consumption will no longer be available.

This is to conserve remaining available battery power until the battery can be charged.

User Enabled ECO Mode

Control of caravan loads from the OdysseyControl will be unavailable if you enable ECO Mode from the Odyssey App. To regain control of the caravan loads, turn ECO Mode off.

User Enabled Storage Mode

Control of caravan loads from the OdysseyControl will be unavailable if you activate the Remote Switch connected to the BatteryPlus35 to enter Storage Mode. To regain control of the caravan loads, switch the Remote Switch off.

CUSTOMISE VIEW

Customise View in the Settings menu allows you to modify the appearance of the Odyssey App based on your RV accessories.

Use Customise View to disable features not available on your RV, such as slides or water tanks.

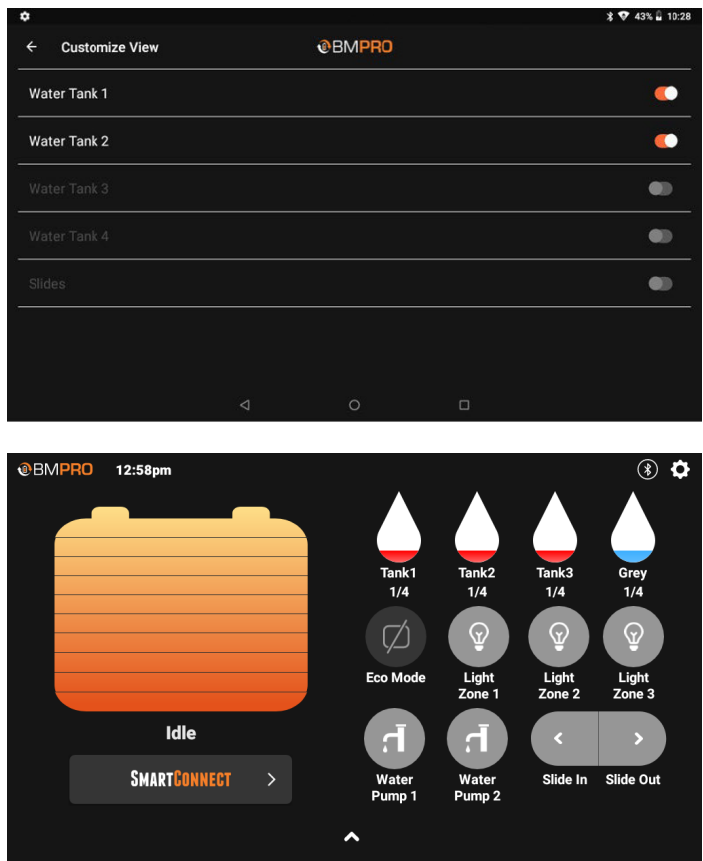


Figure 6: Customize the view to choose the features displayed on the OdysseyControl

PAIRING AND USING SENSORS

Pairing SmartSense Propane Sensor

1. To access the sensors page, press the “SENSOR” button at the top right corner of the OdysseyControl App home screen.

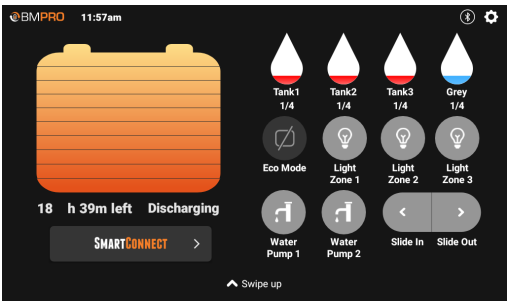


Figure 7: The OdysseyApp Home screen

2. A new page will appear with a “ADD” button. By pressing the “Add” button, this will direct you to a new page where “Pair” and “Unpair” buttons are displayed.

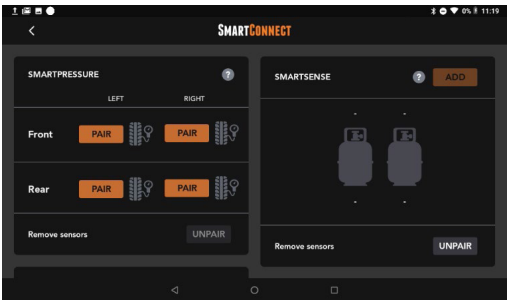


Figure 8: Adding gas sensor

3. By pressing the “ADD” button, the user will be able to choose between 2 different bottle sizes.

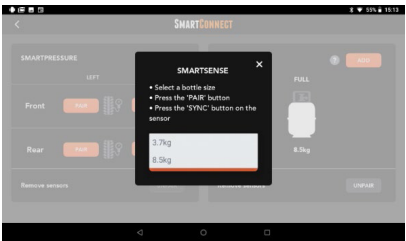
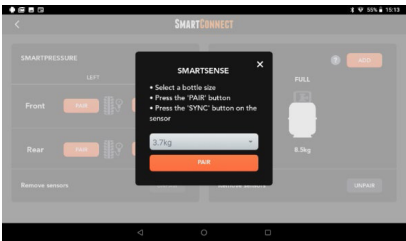


Figure9: Selecting bottle size

- 4. After selecting the desired bottle size, Press the button “Pair”
- 5. Press the “Sync” button on the gas sensor to start pairing.



Figure 10: SmartSense gas sensor Sync button

- 6. If pairing was successful, the screen will indicate the tank level

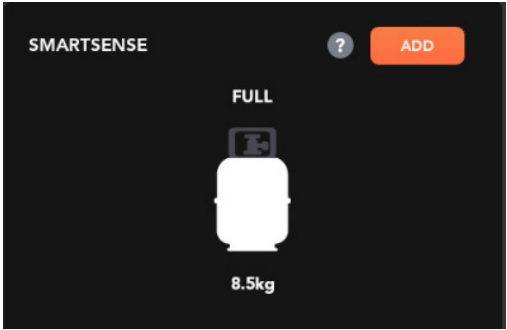


Figure 11: SmartSense propane sensor icon after successful pairing

- 7. If pairing unsuccessful, a message will appear
“Pairing Failed: Cannot Detect Sensor”

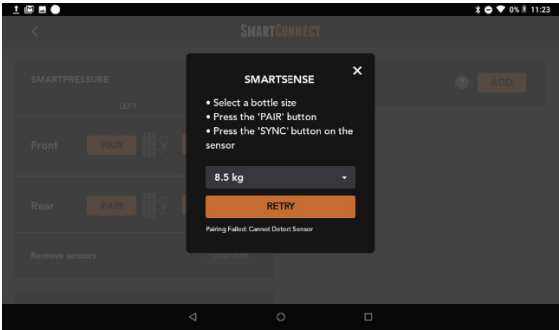


Figure 13: Pairing failure

8. To unpair, press the red “UNPAIR” button under the corresponding tank



Figure 14: Unpairing SmartSense Propane sensor

Pairing SmartPressure Tire Pressure Sensor

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

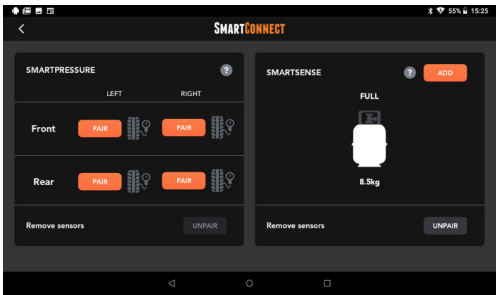


Figure 15: SmartPressure sensor pairing screen

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

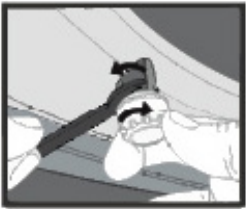


Figure 16: Instructions on how to install SmartPressure tire sensor

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



Figure 17: SmartPressure sensors icons after successful pairing

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

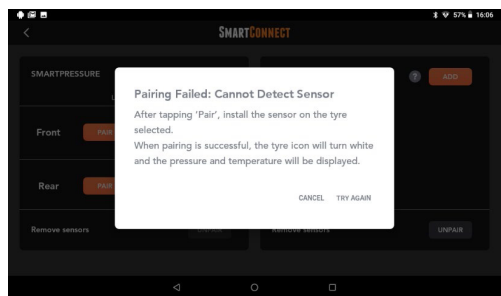


Figure 18: Pairing failed message

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.

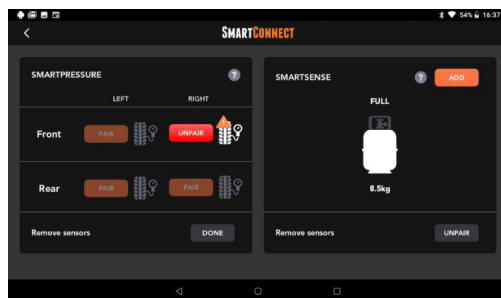


Figure 19: Unpairing the SmartPressure Tire sensor

Pairing SmartTemp Temperature Sensor

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

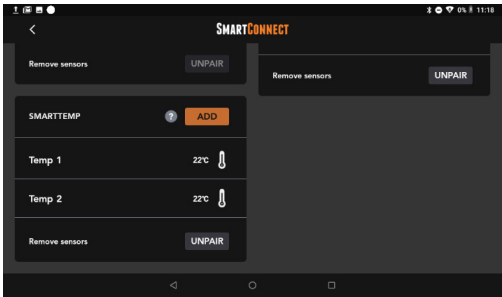


Figure 20: Adding a SmartTemp Temperature Sensor

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

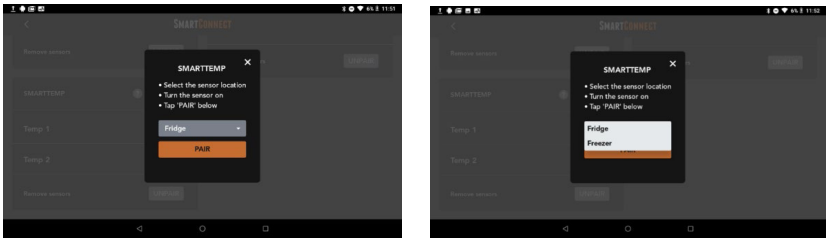


Figure 21: Selecting the SmartTemp sensor location

2. Turn on the temperature sensor by pressing and holding the power button on the temperature sensor for 3 seconds.

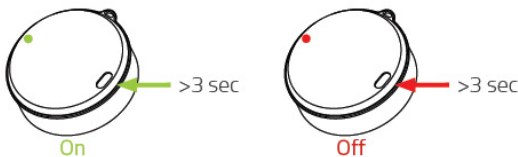


Figure 22: Instructions to turn on/off the SmartTemp Sensor

3. Press the pair button to start pairing the temperature sensor.

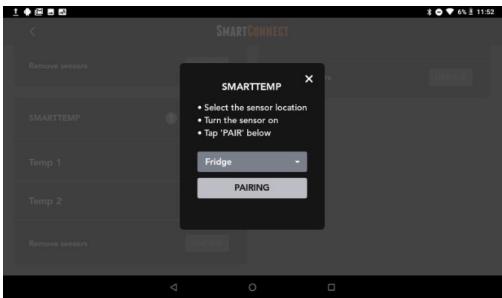


Figure 23: Pairing in Progress

4. After pairing is successful, temperatures sensors will be listed, and temperatures will be indicated

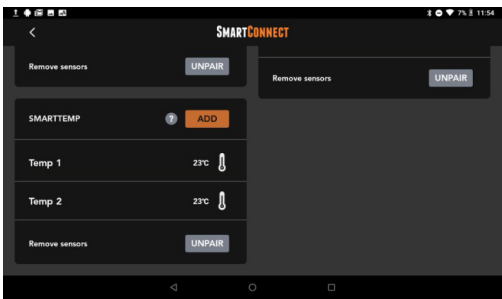


Figure 24: SmartTemp sensor after successful pairing

5. If Pairing was unsuccessful, a message will appear "Pairing Failed: Cannot Detect Sensor"

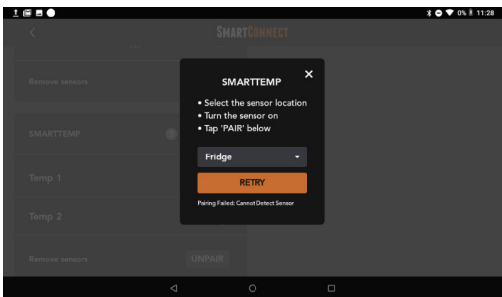


Figure 25: Pairing failure

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

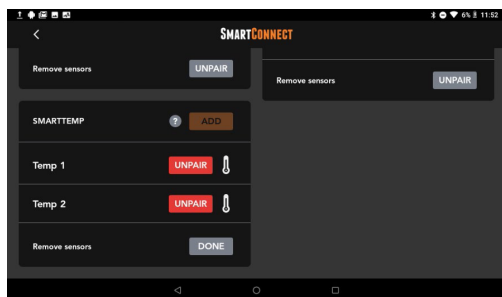


Figure 26: Unpairing the SmartTemp temperature sensor

SERVICING

Do not attempt to service the OdysseyControl or OdysseyLink yourself, OR dismantle, modify or repair the OdysseyControl or OdysseyLink yourself; this will void your warranty. If your OdysseyControl or OdysseyLink requires servicing, please consult your BMAPRO dealer or visit teambmpro.com for assistance.

FAQS AND TROUBLESHOOTING

Need more help troubleshooting your OdysseyControl or OdysseyLink? Contact our customer service team on line at teambmpro.com/technical-support or give us a call on (03) 9763 0962.

ODYSSEYCONTROL

Does the OdysseyControl connect to Wi-Fi?

Yes, the OdysseyControl can connect to your local Wi-Fi network:

1. Tap the Main screen icon  to return to the OdysseyControl main screen
2. From the main screen, tap on the Settings icon 
3. Select Network & Internet and then Wi-Fi, then choose and connect to your Wi-Fi network

How do I update the Odyssey App on my OdysseyControl?

The OdysseyControl is set up to automatically receive Odyssey App updates. Just make sure that you are:

1. Connected to the internet
2. Logged into your Google account

The Odyssey App will automatically update whenever a new release is available.

How do I create a Google account?

If you don't have a Google account, you may create one by clicking on the Google Play icon on the OdysseyControl main screen and following the prompts.

If you need more help creating a Google account, check out our online guide.

The screen on my OdysseyControl froze?

Please reset your OdysseyControl by inserting, for example a paper clip, in the reset pin hole located on the top of the OdysseyControl.

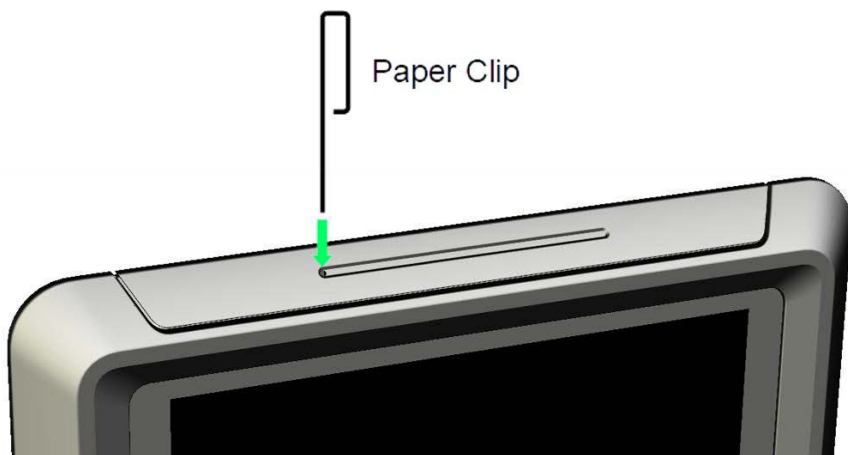


Figure 27: Resetting the OdysseyControl

LOAD CONTROL

I think one of my loads is not receiving power?

The load may be faulty so the electronic load fuse that protects the load may have been activated, turning the faulty load off. If this is the case, the LED Status Indicator on the BatteryPlus35 will flash a solid red.

Please disconnect the faulty load from the BatteryPlus35.

None of my loads appear to be powered and I can't use the OdysseyControl to power the loads on again?

In this situation, when you attempt to power loads from the OdysseyControl, the resultant pop-up message will help to diagnose why the loads are no longer powered.

1. Eco Mode is Switched On

This pop-up message will occur if the battery button on the OdysseyControl has been selected. The battery icon will be light grey. Press the battery button again to power and regain control of loads.

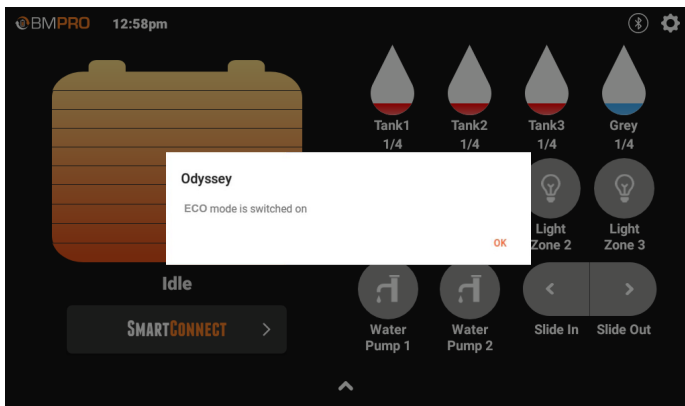


Figure 28: ECO Mode is switched on

2. Low Voltage Mode is Switched On

This pop-up message will occur if the BatteryPlus35 has entered the first stage of low voltage disconnect, ECO Mode. All icons in the OdysseyControl will be dark grey. The Pairing Status Icon will indicate that the OdysseyControl is paired to the OdysseyLink.

Connect the BatteryPlus35 to a power source and begin battery charging.

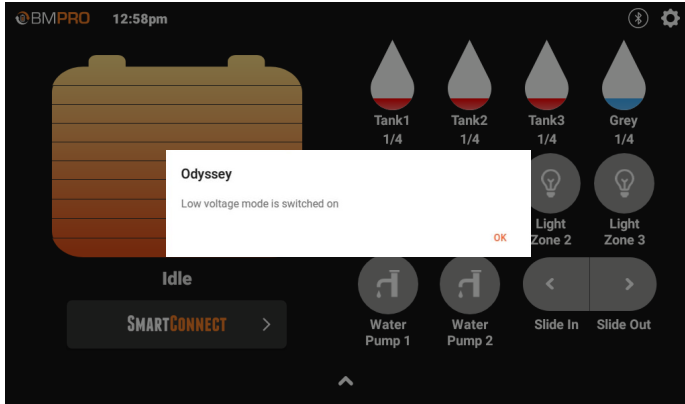


Figure 29: Low voltage mode is switched on

3. There is No Bluetooth Connection

All icons in the Odyssey App will be dark grey.

The Pairing Status Icon will indicate that the OdysseyControl is not paired to the OdysseyLink. This message will appear if:

1. The switch connected to the BattertPlus35 Remote Switch input is activated – deactivate the switch.
2. The BatteryPlus35 has entered the second stage of low voltage disconnect, Storage Mode – connect the BatteryPlus35 to a power source and begin battery charging.

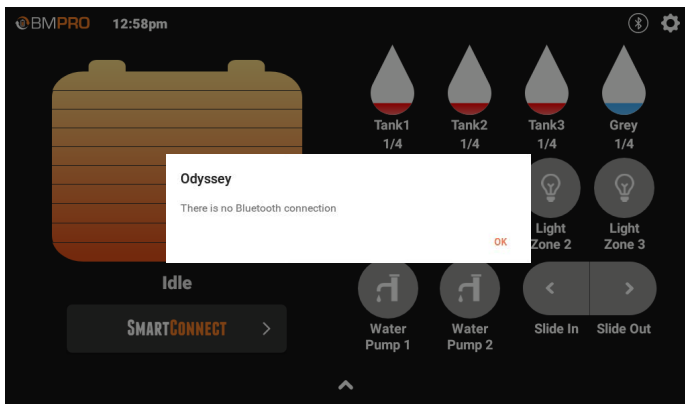


Figure 30: There is no Bluetooth connection.

PAIRING

I've paired the OdysseyControl to the OdysseyLink, but the Pairing Status Icon shows that they are not connected?

Check the following:

1. Ensure the Bluetooth on the OdysseyControl is turned on
2. Ensure the switch on the BatteryPlus35 Remote Switch input is not activated.
3. Ensure the BatteryPlus35 is not in Storage Mode as this will turn power to the OdysseyLink off, meaning the OdysseyLink cannot talk to the OdysseyControl.

If the BatteryPlus35 is in Storage Mode, the operational LED status indicator on the BatteryPlus35 will emit a single yellow flash. Connect the BatteryPlus35 to a power source and begin battery charging. When the battery is sufficiently charged, communication between the OdysseyLink and OdysseyControl will automatically reestablish.

BATTERY

I've fitted a battery to the BatteryPlus35, but it's not detected in the OdysseyControl?

Check the following:

1. Battery connections are tight and not loose or corroded
2. Battery polarity, red lead-positive, black lead-negative
3. The dealership fitted in-line fuse with the caravan battery is fitted and not blown. Correct value is 40A.

APPENDICES

SPECIFICATIONS

OdysseyControl	
Input Voltage:	5V DC
Input Current:	3A
Charger Input Voltage:	12V
Communication/Charger Cable:	USB-to-microUSB
Weight:	0.5 kg

OdysseyLink	
Input Voltage:	8-15V DC
Battery Drain:	< 21mA
Ambient Temperature:	0-50C
Cable Length	0.5m

WARRANTY TERMS AND CONDITIONS

Registering your BMPRO product is an important step to ensure that you receive all of the benefits you are entitled to. Please visit www.teambmpro.com to complete the online registration form for your new product today.

1. BMPRO goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for major failure and for compensation for any reasonably foreseeable loss or damage. You are entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits under this Warranty are in addition to your other rights and remedies under a law in relation to the goods to which this Warranty relates (the Australian Consumer Law).
2. BMPRO warrants products against defects for a period of two years, commencing from the original date of purchase. Proof of purchase is required before you can make a claim under this warranty.

HOW TO PROTECT YOUR RIGHTS UNDER THIS WARRANTY:

3. The OdysseyControl and OdysseyLink are designed to be installed by a suitably qualified installer. You or your installer should carefully inspect the product before installation for any visible manufacturing defects. We accept no responsibility in addition to our consumer guarantee obligations where a product has been installed incorrectly.
4. This warranty does not extend to product failures or defects caused by, or associated with, but not limited to; failure to install or maintain correctly, unsuitable physical or operating environment, accident, acts of God, hazard, misuse, unauthorised repair, modification or alteration, natural disaster, corrosive environment, insect or vermin infestation and failure to comply with any additional instructions supplied with the product.
5. BMPRO may seek reimbursement of any costs incurred by BMPRO when a product is found to be in proper working order or damaged as a result of one or more of the warranty exclusions mentioned in point 4 of this statement.
6. To enquire or make a claim under this warranty, please follow these steps:

A. Prior to returning a BMPRO product, please email service@teambmpro.com to obtain a Return Material Authorisation (RMA) number.

B. Package and send the product to:

BMPRO Warranty Department
19 Henderson Road
Knoxfield, VIC 3180

Please mark RMA details on the outside of the packaging.

C. Please ensure the package also includes: a copy of the proof of purchase, a detailed description of the fault and your contact details including phone number and return address.

7. BMPRO will not be liable for any costs, charges or expenses incurred in the process of returning a product in order to initiate a warranty claim.

POWERING YOUR ADVENTURES.



BMPro

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