



OWNER'S MANUAL

TRAILCHECK



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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



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MANUAL PART **034614**
REV **1.0**

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Designed by BM PRO, one of Australia's leading power solution experts, the BM PRO range of products are proudly Australian-Made in Melbourne, Victoria 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.

ABOUT TRAILCHECK

TrailCheck is a wireless in-car monitor of towing safety equipment, which enables the status monitoring of:

1. BMPRO TrailSafe - emergency trailer breakaway safety system
2. BMPRO SwayControl - proactive electronic stability control (ESC) sway control system

The TrailCheck will indicate system status with **BLUE**, **GREEN**, **ORANGE** or **RED** LED indicators.

KEY FEATURES

- ▣ Bluetooth connectivity.
- ▣ LED status indicators for full-system safety check.
- ▣ If paired with TrailSafe+ and SwayControl, forms the TowControl, an integrated towing safety system with in-car reporting.

WHAT'S INCLUDED

Included with this product are:

- ▣ TrailCheck
- ▣ TrailCheck manual
- ▣ Velcro strips

TRAILCHECK MONITOR INSTALLATION INSTRUCTIONS

The monitor should be located so that it is visible to the driver. Confirm operation by pressing the brake pedal and viewing the battery status indicated.

With the wireless TrailCheck, some location options may provide a more reliable connection. If a suitable location can't be found, a wired remote is required.

TrailCheck can be mounted with the provided Velcro strips and plugs into a 15A (or lower) fused vehicle 12VDC accessory socket. Ensure the TrailCheck will not dislodge during severe braking.

Recommended location is on the side of the transmission tunnel or under dash. Make sure the surface is free from dust and grease to ensure good adhesion.

Apply the hook Velcro to the TrailCheck on the side to be attached to the vehicle by peeling off the clear tape.

Similarly attach the loop side Velcro to the vehicle where it will be mounted so that the tapes will align.

Ideally clean the surface with isopropyl (rubbing) alcohol and leave for 24 hours to achieve maximum adhesion before mounting the TrailCheck.

Avoid contacting the tape with fingers.

After completing installation of the TrailCheck, conduct a trial operation to check for faults.

Test with the engine running. If there is too much metal between the TrailSafe series or SwayControl and TrailCheck or a high level of electrical noise in the vehicle, TrailCheck may not provide an adequate connection.

PAIRING THE TRAILCHECK TO THE TRAILS SAFE SERIES.

To pair the TrailSafe series to the TrailCheck and enable system monitoring from the TrailCheck, perform the following:

1. Complete wiring of the TrailSafe System and confirm that the battery indication is working when the Pull Pin is removed.
2. Insert the Pull Pin
3. Power the TrailCheck by inserting the power connection into the vehicles 12VDC accessory socket and turn on the ignition.
4. Press the button on the rear of the TrailCheck for 1 second confirming the Status Indication is flashing **BLUE**
5. Operate the brake pedal and watch the TrailCheck Status indicator for up to 2 minutes.
 - a. If the TrailCheck Status indicator turns solid **BLUE** for 2 seconds then pairing to the TrailSafe was successfully. The TrailCheck Status indicator will then show either solid **GREEN**, solid **ORANGE** or solid **RED**. See the TrailCheck Status indicator output descriptions.
 - b. If the TrailCheck Status indicator changes to flashing **ORANGE** then pairing failed. Return to step 4 to try again.

If pairing does not work try an alternate location for the TrailCheck. Pairing can be cleared by pressing and holding the button on the rear of the TrailCheck until the Status Indication starts flashing **ORANGE** (approximately 5 seconds)

The TrailCheck can be unplugged when not in use and will not require repeating the pairing sequence when reused.

TRAILCHECK STATUS INDICATOR

Correct operation of TrailSafe and SwayControl should be checked prior to each use of the trailer. This check should be done prior to the trailer being hitched to the towing vehicle. TrailSafe can be checked by depressing brake or pulling out the safety pin. This will activate the system and illuminate the Status Indicator on the side of the unit according to the table below:

LED STATUS INDICATORS

KEY LED STATUS

 CONTINUOUS FLASH	 SOLID COLOUR
 FLASH ONCE	 NO LIGHT

STATUS CONDITION

SOLUTION

	TrailSafe / TrailSafe+ in calibration	<ol style="list-style-type: none"> 1. Wait until LED goes solid PURPLE. 2. If occurring after removing pull-pin, wait until indicator changes then put pull-pin back in.
	Completed 1st or 2nd calibration stage	If pin is in when Solid PURPLE , remove pin; if pin is out when Solid PURPLE , put pin back in.
	Pull-pin removed before calibration stage completed	Put pull pin back in to restart.
	House battery capacity sufficient for 15mins of emergency braking operation	
	TrailSafe / TrailSafe+ or TrailCheck standby or no power	If necessary, check TrailSafe / TrailSafe+ by depressing brake. Check if TrailCheck connected to power source.
	House battery may have insufficient capacity for 15mins emergency braking operation	Check battery to ensure at least 10Ah house battery capacity available.
	TrailSafe / TrailSafe+ in standby and battery may have insufficient capacity for 15mins emergency braking operation	Check battery to ensure over 10Ah house battery capacity available.
	TrailSafe / TrailSafe+ breakaway switch leaky or corroded	Do not use unit. Replace unit.
	Pin out or trailer breakaway	



House battery not detected or insufficient capacity for 15mins of emergency braking operation

Charge or replace house battery.



TrailSafe / TrailSafe+ in standby and house battery insufficient for 15mins of operation

Charge or replace house battery.



Pull pin out when calibration starts

Put pull pin back in; wait for 1 minute or power cycle unit to restart calibration.



TrailCheck not receiving signal from TrailSafe / TrailSafe+ in the last 20 mins

Check TrailSafe / TrailSafe+ by depressing brake



TrailCheck - TrailSafe/
TrailSafe+ pairing unsuccessful

Repeat pairing process



TrailCheck successfully paired to TrailSafe / TrailSafe+



TrailCheck in pairing mode

Depress brake for 10s to pair with TrailSafe / TrailSafe+

The indicators below are also available only for TrailSafe+ when used with SwayControl

STATUS	CONDITION	SOLUTION
	Battery good for 15mins operation and SwayControl in normal operation	
	Sway event active	
	Battery may have insufficient capacity for 15 mins of braking operation or SwayControl not detected	1. Check battery to ensure over 10Ah battery capacity available. 2. Check if SwayControl is still connected.
	No power to SwayControl after 'wake-up' from brake controller	Check quality of power, ground and brake controller wire connections. Check for any blown fuses on the tow vehicle and trailer
	House battery overvoltage (> 20V) or undervoltage (< 3V) on SwayControl	Check power source voltage, correct voltage is 12-15V
	Off-road mode	SwayControl disabled momentarily; Unit will return to normal operation when not on rough terrain
	SwayControl system malfunction	Service centre repair required
	SwayControl sensor malfunction - No SwayControl of trailer	Service centre repair required
	Left side brake short	Repair short in left side brake wiring
	Right side brake short	Repair short in right side brake wiring
	SwayControl in 'sleep' mode or TrailSafe+ standby or no power	Activate manual override on the brake controller to "wake-up" unit

SERVICING

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

SPECIFICATIONS

TRAILCHECK SPECIFICATIONS	
Communications	Bluetooth Low Energy (BLE 5.0)
Operational Voltage	8-16V
Operational Temperature	0 - 50 °C

WARRANTY TERMS AND CONDITIONS

Registering your BMPRO product is an important step to ensure that you receive all the benefits you are entitled to. Please visit teambmp.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. You should carefully inspect the products before installation for any visible manufacturing defects. The TrailCheck is designed to be installed in the accessory socket. Any modification to the product will void the warranty. 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 any 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@teambmp.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.

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