

PMD-BT7J

INSTRUCTION MANUAL



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1 PRODUCT INSTRUCTIONS

1.1 Overview

The PMD-BT7J is a versatile 7" touch screen colour monitor designed to provide comprehensive control and monitoring capabilities for users of Projecta Power Management Systems. With its intuitive interface, users can effortlessly keep track of battery status, monitor charging inputs and power consumption, and check water tank levels. The integration of smart sensors allows for the monitoring of levelling, tyre pressure, and gas levels, ensuring a safe and efficient operation of the system. Additionally, the PMD-BT7J enables users to manage caravan loads, including lights, pumps, and hot water systems, contributing to a seamless and convenient experience. This monitor is compatible with Projecta's new range of Power Management systems, including the PM535J, PM635J making it a flexible solution for various setups and requirements.





1.2 Features

- Built-in Bluetooth for APP connectivity
- Real Time System monitoring
- Expansive System Configuration
- CAN-Bus Communication for easy expandability



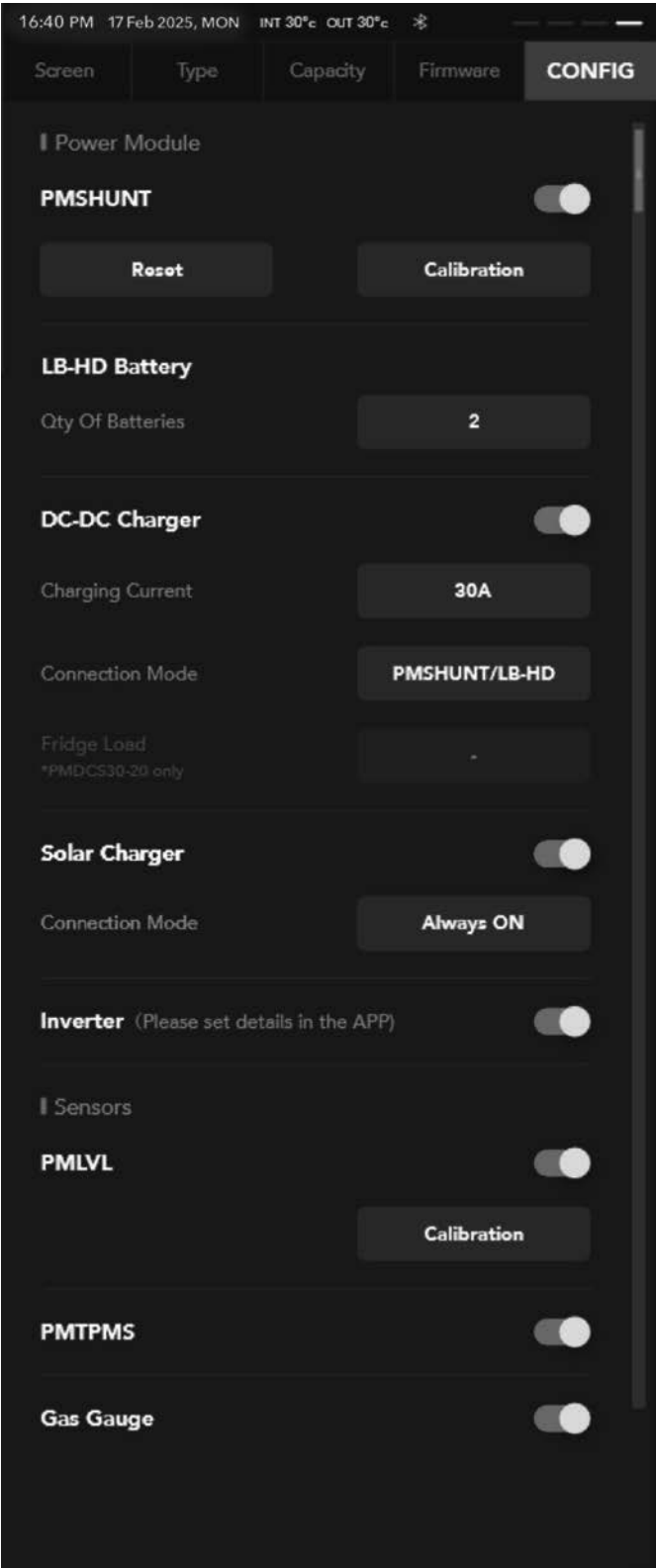
2 DISPLAY



NO.	DESCRIPTION		STATUS
1	WATER LEVEL		0% – 25% – 50% – 75% – 100%
	Fresh 1	Empty	Flashing – The water level is less than the recommended level
	Fresh 2		
	Fresh 3		
	Waste	Full	Flashing – The water level is more than the recommended level
2	POWER SOURCE		
	Solar/ALT/AC		Power Source disconnected
	Solar/ALT/AC		Power Source connected
3	ALARM		
			No Alarm
			Alarm – Refer to alarms page by pressing on the icon on the left of the screen

2.1 System Configuration – Power Module and Sensor

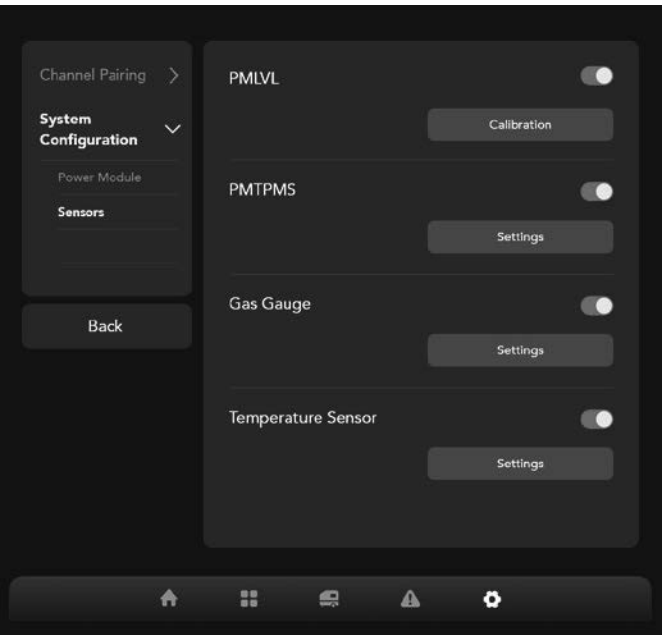
The Power Module feature is designed to enable automatically, when a compatible Projecta component is connected, ensuring seamless integration with the system. When removing the module from the system, this feature won't disable by itself. To prevent the system from displaying a loss of communication alarm, the user needs to manually disable the feature through the settings.



SETTINGS ITEM	ITEMS	DESCRIPTION
PMSHUNT	Calibration	Set the SOC to 100% directly
	Reset	Reset SOC based on current battery voltage
LB-HD Battery	Quantity	Set the quantity of LB-HD Batteries (1–4)
DC-DC Charger	Charging Current*	Set the charging current of the PMDC series * Current options are model dependant
	Charging Mode	PMSHUNT/LB-HD connect the PMDC output to battery
	Fridge Mode	ONLY WHEN CHARGING. Fridge load only available when Alternator is active Constant ON Fridge Load available all the time
Solar Charger	Connection	Always ON. Always powered as long as Service Battery is available. Low Power Mode: Powered ON when Solar input available
Inverter	Settings	Settings can be adjusted via APP only
PMLVL	Calibration	Set the levelling module to 0 reference as current position
PMTOMS	Settings	Settings can be adjusted via APP only
Gas Gauge	Settings	Settings can be adjusted via APP only

2.2 System Configuration – Sensor

The PMD-BT7J gives users full visibility of the systems tyre pressure monitoring, levelling and gas gauge sensors (if connected). The relevant sensor needs to be enabled on the sensor page.



SETTINGS ITEM	ITEMS	DESCRIPTION
PMLVL	Calibration	Set the levelling module to 0 reference as current position
PMTMPS	Settings	Enter the TPMS setting page to configure the TPMS module
Gas Gauge	Settings	Enter the Gas Setting Page to pair the Gas
Temperature Sensor	Settings	Enter the Temperature Setting Page to pair the Gas

2.3 System Energy History Record

PMD-BT7J is able to record the energy sources and load consumption for the system on a daily basis for 365 days. It provides invaluable data to RV owners, assisting them in optimizing energy usage and effectively managing energy consumption.



Click the Charge Source area to enter the History Record Page

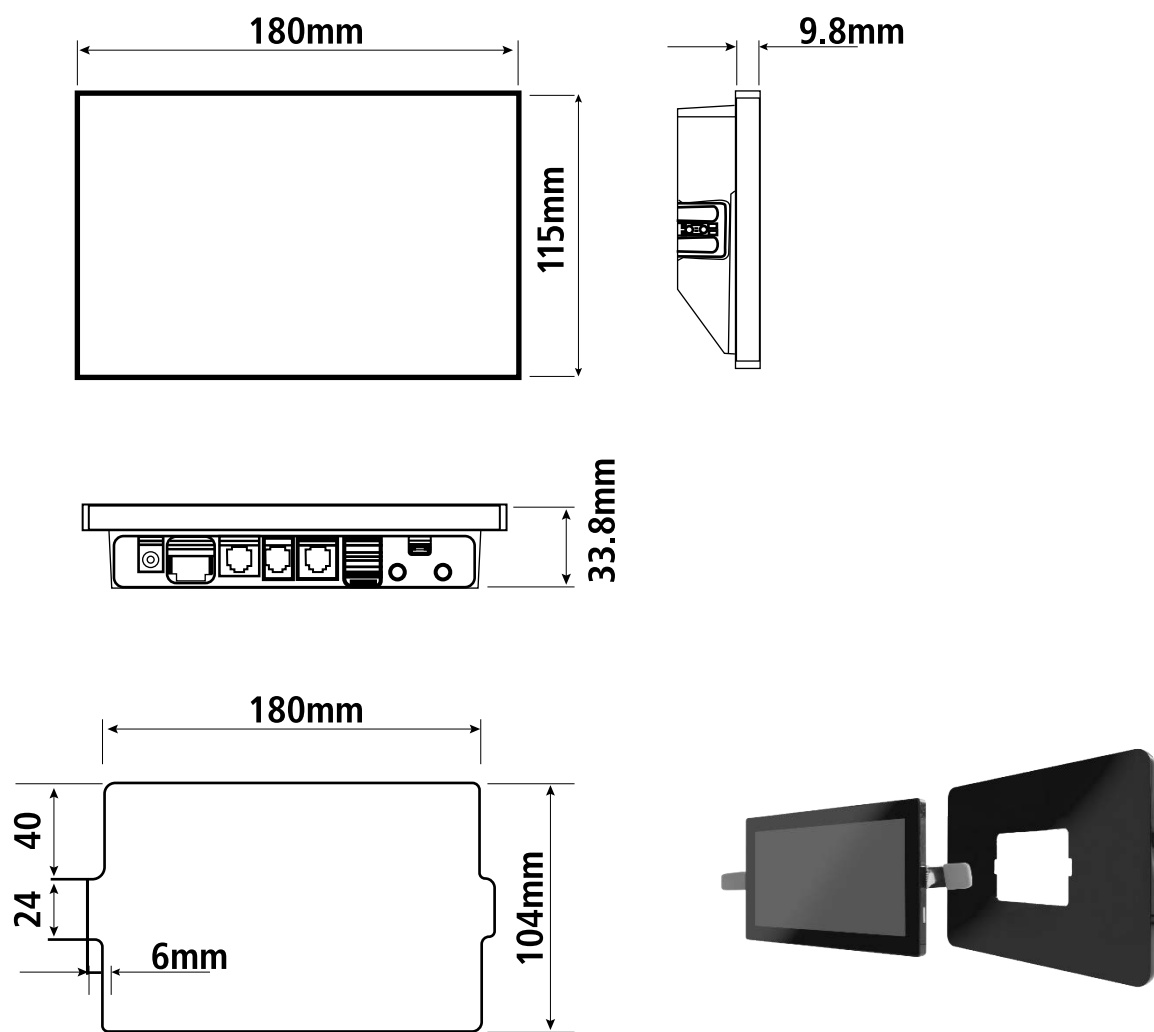


Daily Charge Time



Daily Charge Capacity

3 STRUCTURE AND INSTALLATION



4 SPECIFICATIONS

MODEL	PMD-BT7J
Input	12Vd.c
Current	800mA
Temperature	-20° – +60°
PHYSICAL SPECIFICATION	
Dimension	113.7mm x 115mm x 34mm
Weight	400g
Protection Category	IP20
APPROVALS	
EMC	N 55032:2015 IEC61000-3-2 EN 55035

WARRANTY STATEMENT

Applicable only to product sold in Australia

Brown & Watson International Pty Ltd of 1500 Ferntree Gully Road, Knoxfield, Vic., telephone (03) 9730 6000, fax (03) 9730 6050, warrants that all products described in its current catalogue (save and except for all bulbs and lenses whether made of glass or some other substance) will under normal use and service be free of failures in material and workmanship for a period of five (5) year (unless this period has been extended as indicated elsewhere) from the date of the original purchase by the consumer as marked on the invoice. This warranty does not cover ordinary wear and tear, abuse, alteration of products or damage caused by the consumer.

To make a warranty claim the consumer must deliver the product at their cost to the original place of purchase or to any other place which may be nominated by either BWI or the retailer from where the product was bought in order that a warranty assessment may be performed. The consumer must also deliver the original invoice evidencing the date and place of purchase together with an explanation in writing as to the nature of the claim.

In the event that the claim is determined to be for a minor failure of the product then BWI reserves the right to repair or replace it at its discretion. In the event that a major failure is determined the consumer will be entitled to a replacement or a refund as well as compensation for any other reasonably foreseeable loss or damage. This warranty is in addition to any other rights or remedies that the consumer may have under State or Federal legislation.

IMPORTANT NOTE

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also 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.

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