

12V DIGITAL BATTERY MONITOR

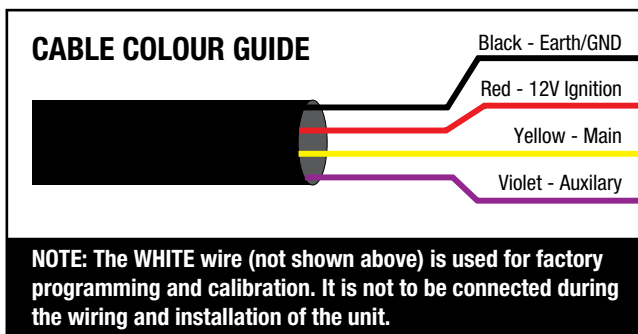
For Single and Dual Battery Setups

Your new Digital Battery Monitor is designed to give you a guide indicating the voltages on your Main and Auxiliary batteries in a dual battery setup. In a single battery setup it will show just the Main or Auxiliary battery.



Installation

- Mount the unit where it can be comfortably seen in the cabin of the vehicle with supplied hook and loop tape. Please use provided alcohol swab to remove any excess dirt or contaminants and allow to completely dry before applying tape. Apply 30 seconds of pressure to the tape during application and allow 24 hours curing time before mounting the display. Where possible choose a plastic surface for best results.
- Do not mount near excessive moisture or heat.
- Route cable as necessary to main and auxiliary batteries as required. Extending the cable may be required. (Note: Extra cabling not supplied)
- Connect wires as per the colour cable guide below.
- The unit features auto-dimming. Do not block sensor to the left of screen for correct operation of dimming feature.
- Care should be taken when installing the unit to optimise the viewing angle of the driver.



TECHNICAL SPECIFICATIONS

Input Voltage (DC)	5 to 17VDC
High Voltage Warning	>15.00VDC
Low Voltage Warning	<11.00VDC
Current Draw	35mA Running, 0.4mA Standby
Display	Dual 4 Digit Graphical with Bargraph
Accuracy	50mV±
Physical Dimensions	59 x 44 x 21mm
Connections	1.5m 4-Core Cable

Operation

The following displays show the normal operation of the device and its warning features for Low Battery and Over Voltage. Note: These are visual warnings only. Unit will not disconnect or connect the system.

Fig 1. Nominal Operation



Fig 2. Over Voltage Indication

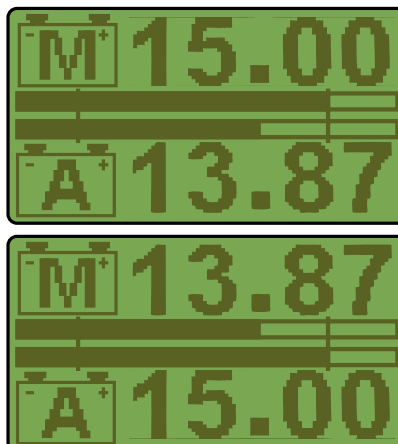
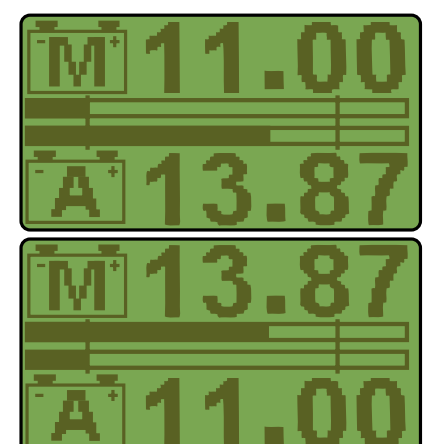


Fig 3. Under Voltage Indication



Warranty Conditions: Our products come with guarantees that cannot be excluded under the Australian Consumer Law. The customer is entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. The customer is also entitled to have the products repaired or replaced if the products fail to be of acceptable quality and the failure does not amount to a major failure. Ironman 4x4 warrants that its products will, under normal use and service, be free of defects in material and workmanship for a period of two (2) years from the date of the original purchase by the customer as marked on the customer's original invoice. Please refer to our website for full warranty information which can be found at <http://www.ironman4x4.com/warranty-terms>