



Intro

Congratulations on your purchase of the Lightning Box 2Wire (LB-2Wire) Intelligent Power Management module. We are committed to producing the best aftermarket accessories for motorcycles and we would like to thank you for choosing this product.

The LB-2Wire simplifies and safeguards the process of connecting aftermarket electronic accessories (such as extra running lights, heated grips, SatNav, phone charger, extra gauges and any other powered devices) to your motorcycle. It acts as an automatic power distributor switch between the battery and your accessories. With the quick connect 'lever lock' terminals, the installation process is quick and simple, requiring no tools or specialist knowledge.

Compatibility

Compatible with ALL vehicles using a 12V battery system (*all battery types and capacities are supported*), including all motorcycles, cars, ATVs/UTVs and agriculture machinery.

Smart tech

The LB-2Wire constantly monitors the battery voltage, engine state (running/stopped) and the outputs, then switches the loads on/off automatically. The LB-2Wire switches off the power to the accessories until the engine is started ensuring 100% battery power is always available for starting. This is a fully automated process, resulting in trouble-free starts and enhanced battery life.

Quick and simple to use

Connect the LB-2Wire directly to the battery terminals, connect your 12V accessories to the colour coded lever lock terminal and you are ready to go!

Small but tough

We use only the best components and technology to create products that can withstand the harshest environments. The LB-2Wire uses pure 100% copper 'thin wall' cable, its own independent fuse and sealed in a water-resistant plastic case.

Specifications	Included items
✓ Compatible with ALL vehicles using a 12V battery ✓ Dedicated independent fuse rated at 15 amps ✓ Waterproof type mini fuse holder ✓ Reverse polarity transient protection ✓ Input Voltage 12V ✓ Output Voltage 12V (unregulated) ✓ Current draw <5mA ✓ Max current draw 15A ✓ Operating temp: -40°C to +80°C (-40°F to +176°F) ✓ Braid protected loom ✓ Unit size: 63 x 51 x 22 mm	✓ LB-2Wire module ✓ Wiring loom ✓ Colour coded lever lock terminal (Orange +12V / Blue Negative) ✓ 1 x 15A fuse (fitted) ✓ 3 x cable ties ✓ Instructions 

Turn the ignition off and disconnect the **negative (-)** terminal of the battery. This ensures against an accidental short-circuit between the +12V and Ground of the motorcycle



Remove the terminal bolt of the positive (+) battery terminal and connect the **LB-2Wire Red wire** ring terminal. Ensure the connections are clean, then tighten the terminal bolt fully. Now reconnect the LB-2Wire **Black wire** ring terminal to the battery negative (-) terminal.



Battery Maintenance

It is good practice to keep your motorcycle on a trickle charger if you do not intend to use it for more than a couple of weeks. This will maintain the battery condition and extend its life. It is possible the LB-2Wire will detect the charger and turn the accessories on. We recommend removing the LB-2Wire fuse to avoid this whilst charging the battery.

Installation and Warranty

LB-2Wire should be fitted by an auto electrician. Warranty will be void if any labels are removed or tampered. See website for more details

Find a suitable mounting location for the LB-2Wire. This is often under the seat. Once a location is found, secure with supplied cable ties using the holes in the 'ears' of the box and route the LB-2Wire loom to the battery area of the motorcycle.



Connect your accessories to the LB-2Wire output using the 'Lever Lock' terminal output. ***Note the Orange Lever Terminal is positive (+12V) and the negative (-) Lever Terminal is Blue.**



To open the Lever Lock lift the lever 90° from the closed position. Strip 10mm of the outer insulation from the wire of your accessory. If your accessory wiring came with a fuse do not cut that off. Open the **Orange** lever of the terminal, insert the 12V Positive wire of your accessory fully into the port and close the Lever. Then open the **Blue** lever of the terminal and insert the Negative wire of your accessory fully into the port and close the Lever. There are 3 **Orange** positive ports and 3 **Blue** negative ports these can be 'doubled up' if you are fitting more than 3 accessories but **do not** exceed more than the rated 15A. Now secure the Lever Lock terminal to the motorcycle using the supplied cable tie.

You now have everything connected. When you start your engine, everything plugged into the LB-2W will power on. When engine is turned off everything will power off.