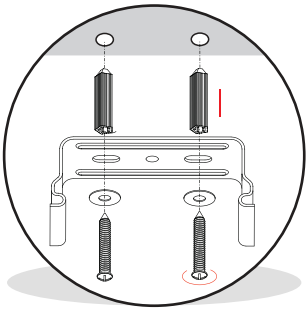
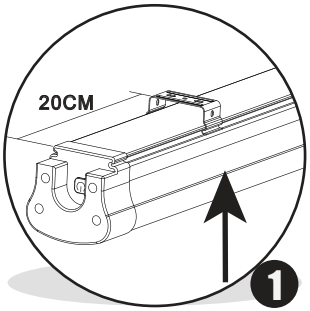
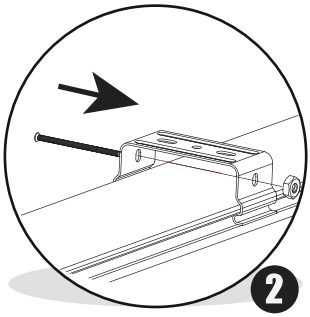
USER MANUAL | SOLAR LED BATTEN LIGHT

Version.04.2018

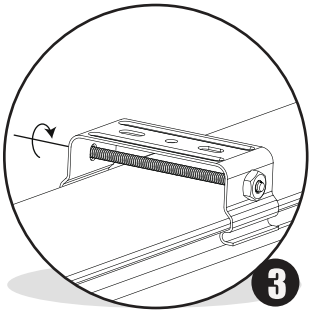




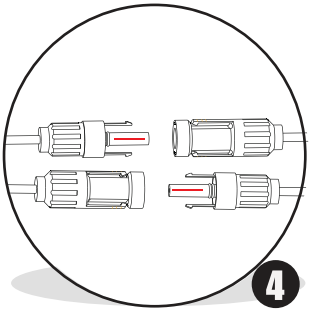
Fix the two metal clips into position and attach to surface. It is recommended that each clip is positioned approximately 20CM from each end of the Batten Light. Caution : Ensure correct anchor sleeves are used for surface material. Plese see package contents before installation.



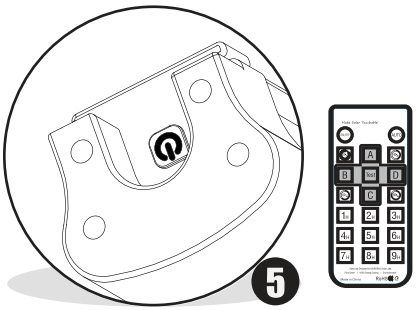
Insert Tensioning Bolt and attach the Batten Light to the metal clips.



Using a screw driver, secure each clip onto the Batten Light with the Tensioning bolt.
Note : This is only to secure the batten light so it cannot be removed - Do not over tighten.



Connect the MC4 Connectors to the Solar PV panel. Note : A matching pair of MC4 connectors are included in the contents of this package. If the Solar PV Panel does NOT have an identical pair of MC4 connectors, replace them with the ones provided to guarantee a weather tight connection.



Power ON the Batten Light. A RED signal light can be seen at the sensor end of the Batten Light. Program the light to best suit your installation. Please refer to setup guide of manual properly. Light will work as 50% power when nobody there and 100% power for 60mins when sensor is triggered when someone pass by as default setting .

Assembly Mounting Bracket to Solar Panel

① ⑤ M6*16 Screws . This is to fix to solar panel

② ③ M6*16 Screws . Can fix in different holes for different mounting angle.

④ M8*16 Screws .

NOTICE

Please note the brackets for left and right sides are different, make sure it is well-assembled properly.

Assembly Mounting Bracket to Solar Panel

Finished assembly

MANUAL OF KEY FUNCTION

MAGIC romote control is used to change the program of the light. there are two sections , one is for setting modes. the other is to change the time. This remote controller are able to meet most of requirements for different lighting situation. Light will work on"AUTO" mode that will turn ON/OFF automatically uption day and night as default setting. ON/OFF Key is to work at day time with hand operation.

Modes Setting

Time Setting

ON/OFF override button. 100% Light Output

AUTO — Auto Function (Not Used). By Default Auto Function is programmed ON. (Auto OFF During Day, Auto ON During Night)

Test — Test Function. Light will operate for 20 seconds.
(The green indicator light will operate inside the end-cap if the battery is low / over-discharged.)

20% / 40% / 60% / 80% — Constant light mode

- Amount of Light output depends on the percentage selection.
- By default the light will operate for 12 Hours.
* Helpful Hint.
  Select a Time Setting (e.g. 4H) within 5 seconds to modify the default operating time.

A — Light Output 0%.
When sensor triggered - Light Output 100% for 1 minute.

B — Light Output 30%.
When sensor triggered - Light Output 100% for 1 minute

C — Light Output 50%.
When sensor triggered - Light Output 100% for 1 minute.

- By default the light will operate for 12 Hours.
* Helpful Hint.
Select a Time Setting (e.g. 9H) within 5 seconds
to modify the default operating time.

D — Light Output 100% (First 6 hours). Light Output 50% (Second 6 hours) - When sensor is triggered - Light Output 100% for 1 minute.
* Helpful Hint. Press "D" and a Time Setting (e.g.7H) = 100% for 3.5 hours then 50% for next 3.5 hours + 100% with sensor.

1H / 2H / 3H / 4H — Time Setting mode

- Light Duration based on selection.
* Helpful Hint.
- Select 20% then 4H. Light will operate at 20% for 4 Hours.
- Select C then 8H. Light will operate at 50% for 8 Hours + 100% if sensor triggered.
- Select D then 3H. Operate at 100% for 1.5 Hours, 50% for 1.5 Hours + 100% with sensor.

5H / 6H / 7H / 8H / 9H — 5-6-7-8-9 are similar time function as 1-2-3-4....

GENERAL OPERATION

RED/**GREEN**/**BLUE** Status Light

* After turning the batten light ON. A Red/Green/Blue status light will cycle for two seconds then stop. This signals the batten light system is OK and will work
in the default operation of 0%+100% sensitivity powersurface material. Plese see package contents before installation.

* After 1 minute of being ON a BLUE light will start to flash (slowly). This signalsthe BattenPRO is now in a charge state and the solar panel is connected and operating as it should.

IMPORTANT:
If after 1 minute the BLUE light flashes (fast), check the polarity connection between the solar panel and BattenPRO. “+ to +” and “- to -“. And that a firm contact is made.

TESTING
To simulate the batten light operation during daylight hours. Disconnect or cover the Solar Panel (This signals no voltage present to the batten light , and will simulate night operation) – Now turn batten light ON. The Red/Green/Blue status lights will cycle for two seconds then stop. After 40 seconds, move in proximity of the micro wave sensor, once detected by the microwave sensor the light will operate with 100% light output (default setting) then will turn off automatically after 30 seconds.

PLEASE NOTE:
The default setting is Mode A with 0% power (No Light Output) and 100% Light Output when a person is in proximity. You can press buttons B , C or D or 20%/40%/80% to turn light ON immediately to check light condition.

USING THE REMOTE
The remote uses microwave (IR) technology and needs to be used in the same way as a TV –You must point the remote directly at the BattenPRO to send a command. After pressing a button on the remote control, you will see a **GREEN** + **BLUE** light for two seconds. That signals a command has been received successfully. Note : Refer to manual for remote control functions and programming.

FAULT FINDING

BLUE LIGHT NOT VISIBLE / WORKING
• After doing steps under GENERAL OPERATION and the BLUE light is NOT giving any signal / flashing. Double check the connection between the BattenPRO and solar panel is a firm connection and polarity is correct.

• Meter the voltage from the solar panel to the MC4 connectors. Ensure the voltage is no less than 15Vdc and that the connectors inside MC4 are not loose. GREEN SIGNAL LIGHT FLASHING FAST

• If the GREEN light is flashing-fast, this signals an over-discharged battery state. In this situation, carry out a full charge using the solar panel sized for the installed BattenPRO. This can take up to 6 hours for a full charge depending on panel size

Switch solar into lighting easily.