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E-Port 18650 Controller LED Diagnostics

15.600.001 E-Port 18650 Controller
15.601.001 E-Port 18650 RF Controller

The information below is an aid to diagnosing the
signals the two LEDs on the 18650 E-Port can display.

Figure 1.

Top LED — Up — Stop — Down — Charge LED — Charging Jack — RF

1)   Is the controller responding to any button presses?
The Controller may be in sleep mode. To "wake" it up,
plug a charger directly into the charging jack on the
bottom of the controller. Ensure that the charger is plugged in and switched on. The CHARGE
LED should be lit.   *Does the controller now respond to button presses?*

*It should be noted that the CHARGE LED will only illuminate if the charger is plugged
DIRECTLY into the controller. If charging through the wallplate the CHARGE LED will not
glow.*

*If no LED response occurs when the UP button is pressed the controller may be "asleep" and will need charging. Once "asleep" the control
will not charge through the wallplate. Wake up and charge the Controller by plugging the charger directly into the charging jack.*

2) Does the CHARGE LED flash when a button is pressed?
This indicates that the controller needs charging. A full charge will require approximately 8 hours.

If the CHARGE LED does not flash when a button is pressed the battery should have sufficient charge to drive a shutter.

3) Does the TOP LED flash when the button is pressed?
This indicates that the controller is trying to drive a motor. Fit the controller to a wallplate and drive a motor.

4) Does the TOP LED stay on continuously?
This indicates that the controller is in TEST mode. To exit TEST mode press following buttons in sequence: UP, DOWN, STOP, STOP (note that STOP
needs to be pressed twice). The LED will go off, and the controller will be in SLEEP mode. To wake the controller, follow the steps from 1) above. **It is
easy to recover from TEST mode; however this fault should be reported to OZRoll.**

5) Are the TOP LED and CHARGE LED flashing at the same time?
This indicates that the controller is in ERROR MODE. The controller monitors the charging circuit and if it detects a problem will enter error mode. The
controller cannot be used in this state and should be removed from any charging source. A service call will be required to investigate the controller.

The problem in the charging circuit is most probably a short circuit within the wallplate so this will need to be investigated. Obvious things to check for are
wire whiskers on the motor loom, metal swarf, crushed wiring or metal touching the terminals of the wallplate.

6) Are the TOP LED and CHARGE LED flashing alternately?
This indicates that the controller is in LOCKOUT. This feature of the controller is to protect it against being overused in a short period of time. After a few
minutes the controller can be used normally.

7) Checking the Charging Condition of a Controller.
The charging condition of the Controller can be checked at any time that some form of charging is occurring. This is done by pressing all three buttons
(i.e. Up, Stop and Down) at the same time, for 3 seconds.

If the battery **does not need charging** the CHARGE LED will display one 3 second flash.
If the Controller **is connected to an AC Adaptor (i.e. a charger) and is charging the battery** the
CHARGE LED
should flash 7 times to indicate a charge current greater than 100mA

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