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18650 E-Port Controller LED Diagnostics (Issue I)

*Applies to: 15.600.001 18650 E-Port Controller and
15.601.001 18650 E-Port RF Controller*

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

If the up or down button is pressed with the controller in a wallplate
connected to a motor the TOP LED should light up for a few seconds
to indicate that motor drive is occurring. If the up or down button is
pressed with the controller out of a wallplate the TOP LED should
flash to indicate the controller is trying to drive but there is no load.
When a charger is plugged directly into the bottom of the controller
the CHARGE LED will always illuminate (even if for a few seconds) to
show that power is available to the controller when required.
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1) Is the controller responding to UP or DOWN 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 light up to indicate charging is occurring.
Does the controller now respond to button presses?

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.

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

4) 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.

Some controllers have a resettable Error Mode. Check the batch number on the label on the back of the controller. The batch number is shown in
digits 3 to 6 of the serial number (refer to the diagram below).

Figure 1.

Top LED
Up
Stop
Down
RF
Charge LED
Charging Jack

1900276304

These 4 digits are the
BATCH NUMBER.

18650 E-Port Controller LED Diagnostics (Issue I) continued

Error Mode can be reset if the batch number of the controller is 0027 or higher for Non RF Controllers or 0011 and higher for the RF Controllers.

The reset is achieved by letting the battery go flat or removing and then reconnecting the battery.

For controllers with batch numbers below those listed will require a service call 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.

5) 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.

6) 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 TOP 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.