

**Applies to:**

Cobra Scooter (COBRA)  
Ambassador Scooter (AMB8)

**Diagnostics**

Below is a break down of the flash sequence giving an indication of the area which is at fault. If there is a fault present the controller will indicate the fault by a flash sequence.

In the event of a fault being detected, the 3 left most LEDs on the battery gauge will flash green followed by the 3 right most LEDs flashing red. This sequence will continue for approximately 15 seconds until the fault is displayed by one of the LEDs flashing.



DS90/120 with Terminal cover and DS160ACT

The battery gauge will continue flashing until the fault is rectified and the keyswitch has been cycled

<p><b>1<sup>st</sup> LED solid RED</b>  <b>2<sup>nd</sup> LED flash RED</b>            * * - - - - -</p>	<p><b>Low Battery.</b> Battery voltage has dropped below 23.3V. Recharge batteries as soon as possible.</p>
<p><b>1<sup>st</sup> LED flash RED</b>            * - - - - -</p>	<p><b>Battery voltage too low.</b> Voltage has dropped below 16.5V. Recharge batteries then check the battery, connections and wiring.</p>
<p><b>All LEDs flash</b>            * * * * * * *</p>	<p><b>Battery voltage too high.</b> Unplug the charger from the scooter if it is plugged in. Turn the scooter off and on. Reduce speed down any gradients to minimize regenerative charging.</p>
<p><b>2<sup>nd</sup> LED flash RED</b>            - * - - - - -</p>	<p><b>Current limit time-out or Controller Too Hot.</b> The scooter may have stalled. Turn the scooter off for a few minutes and turn back on again. Check the motor and associated connections and wiring.</p>
<p><b>3<sup>rd</sup> LED flash RED</b>            - - * - - - -</p>	<p><b>Brake Fault.</b> Either a park brake release switch is active or the park brake is faulty. Check the park brake and associated connections and wiring. Ensure the freewheel lever is in the DRIVE position.</p>
<p><b>4<sup>th</sup> LED flash AMBER</b>            - - - * - - -</p>	<p><b>Out of Neutral at Power Up.</b> Return wigwag paddle to neutral then turn off and on again. If problems persist, wigwag paddle may need re-calibrating.</p>
<p><b>5<sup>th</sup> LED flash GREEN</b>            - - - - * - -</p>	<p><b>Speed Pot Error.</b> Wigwag paddle or its wiring is faulty. Check the paddle is calibrated and check for open or short circuits.</p>
<p><b>6<sup>th</sup> LED flash GREEN</b>            - - - - - * -</p>	<p><b>Motor Volts Error.</b> Motor or its wiring is faulty. Check the paddle is calibrated and check for open or short circuits.</p>
<p><b>7<sup>th</sup> LED flash GREEN</b>            - - - - - * *</p>	<p><b>Internal Controller Fault.</b> Check all connections and wiring. If symptoms persist, contact Drive Medical</p>