

*For technical assistance with setup or operation,  
call toll free: 800-892-2676*

## Engage (Red)

## Endeavor (Blue)

Option	Available Selection	Change Procedure
Display Mode  Engage & Endeavor	P: % of available power (recommended)  E: Voltage (DC)  C: Current (DC) (for setup only)	<ul style="list-style-type: none"> <li>Press "+" button until display flashes and release.</li> <li>Display mode will flash (P, E, C, PH or EH).</li> <li>Press "+" button to cycle through optional display modes.</li> <li>When desired display mode is displayed, press "-" button until flashing stops.</li> <li>The new display mode is now set.</li> </ul>
Voltage Ramp Time (seconds)  Minimum Turn-on Power	1, 2, 3, 4, 5 (Engage)  10%, 15%, 20% 25% (Endeavor)	<ul style="list-style-type: none"> <li>Press "-" button until display flashes and release.</li> <li>Voltage Ramp Time or Minimum Turn-on Power will flash.</li> <li>Press "-" button to cycle through optional settings.</li> <li>When desired setting is displayed, press "+" button until flashing stops.</li> <li>The new Voltage Ramp Time or Minimum Turn-on Power is now set.</li> <li>The newly selected value will be displayed for a few seconds.</li> <li>After a few seconds, the display will revert back to showing the display mode (P, E, C, PH or EH) if no further selection is made.</li> </ul>
Maximum Power  Engage & Endeavor	5% increments 10% to 100% (Engage)  5% increments from the set Min Turn-on setting to 100% (Endeavor)	<ul style="list-style-type: none"> <li>Press "+" or "-" button and release.</li> <li>The current power setting will be displayed.</li> <li>To raise the displayed power setting, press "+" button and release.</li> <li>To lower the displayed power setting, press "-" button and release.</li> <li>When no change is made for several seconds, the display setting will be stored as the current value and the display will revert back to showing the display mode (P, E, C, PH or EH) and stored last selected power level.</li> </ul>

**The following is a list of potential trouble codes.  
Refer to the installation guide for complete explanation of the codes.**

Display	Code	Possible Cause
SC	Short Circuit	This indicates a direct short to ground in the blue wire (output) circuit.
CL	Current Limit	Indicates that the brake controller is attempting to provide more than its maximum rated power.
OC	Open Circuit	Indicates that there is no trailer connection detected.
HF	Hazard Flash	Will display while hazard flashers are on.
bF	Voltage on Blue Wire	Blue wire connected to wrong place, short in wiring / connector, faulty or disconnected breakaway switch.