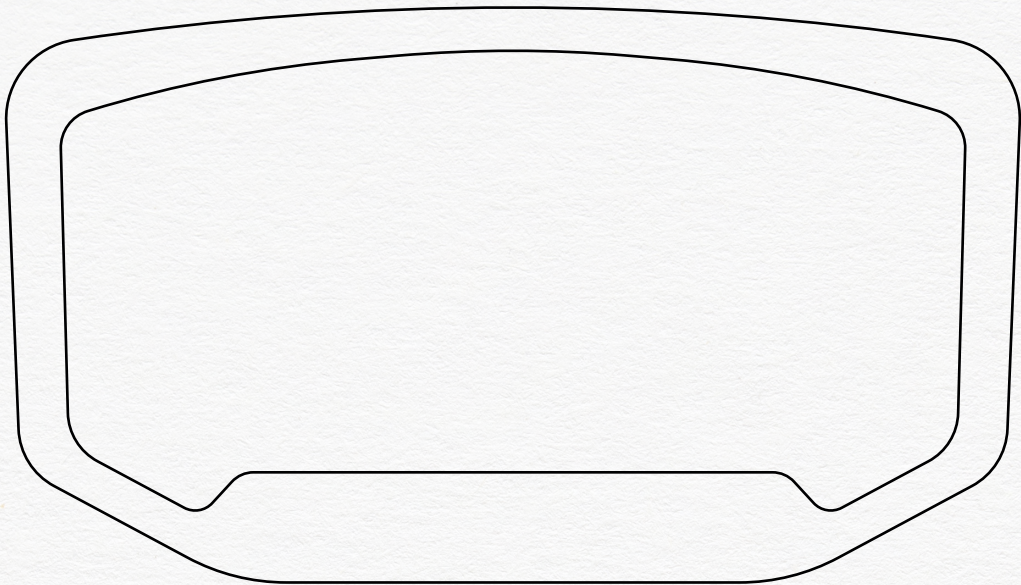
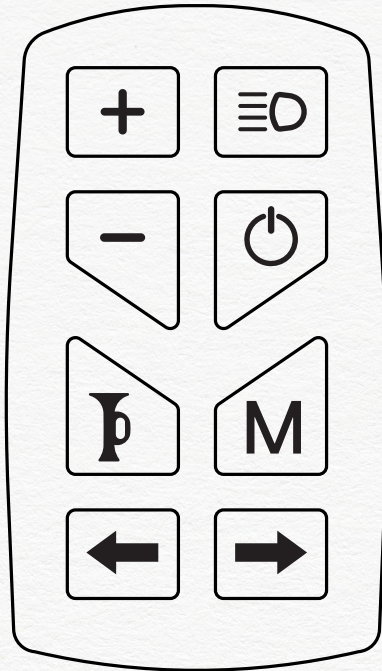


JOULVERT

Display



Controller



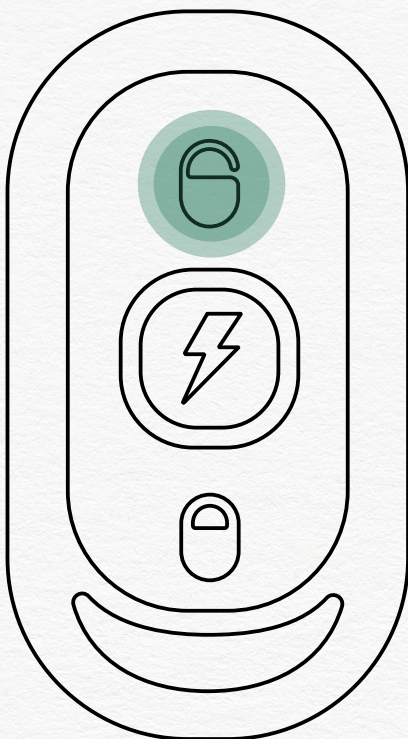
1

Turn on the battery on the down tube of the bike.

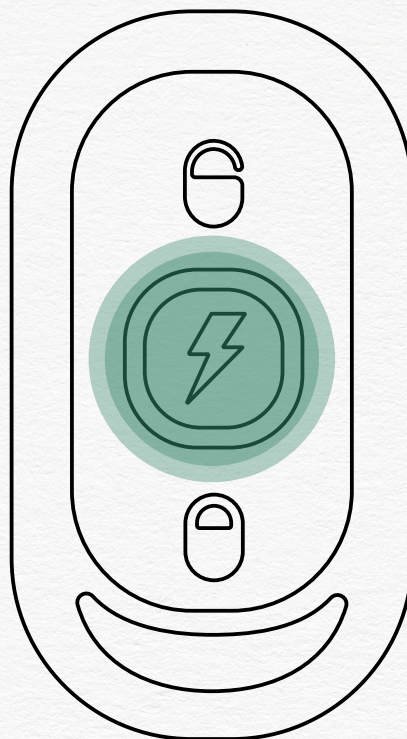


2

Press top button on key fob once and middle button twice until you hear a different tone.



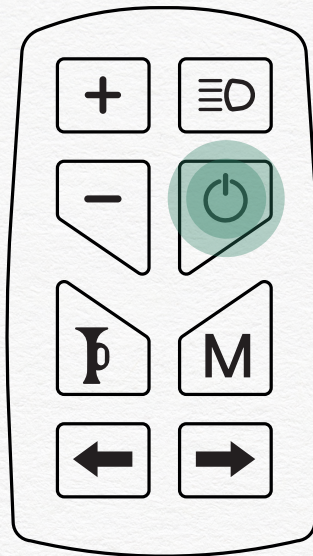
X1



X2

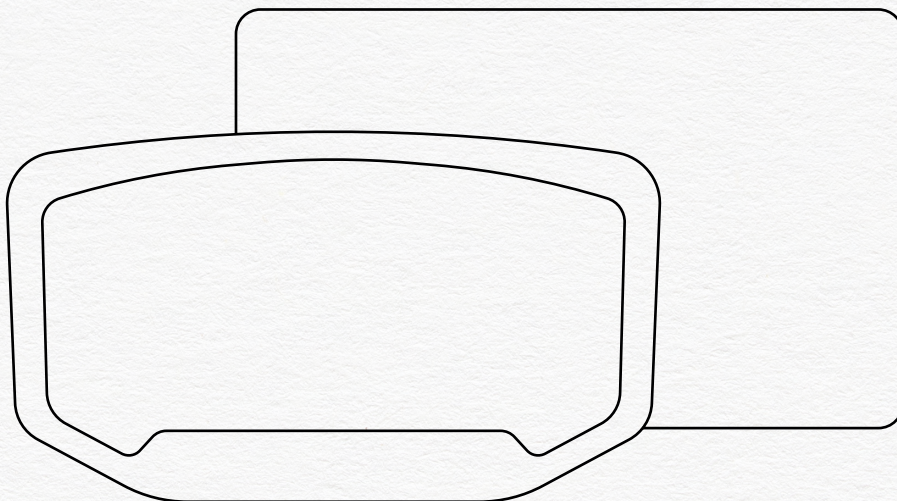
3

Hold the power button on the display controller, to turn on the display.



4

Hold the key card behind the display to unlock the bike

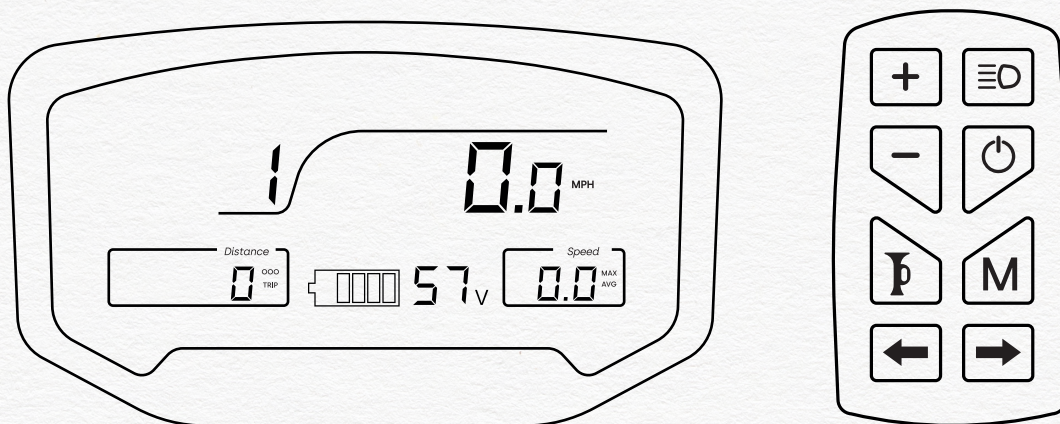


5

Press and hold the power button to turn on the display. Once turned on, the main interface will appear, showing the gear in "P".

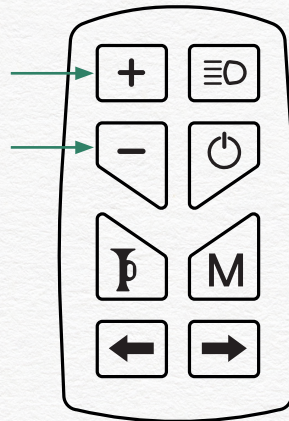
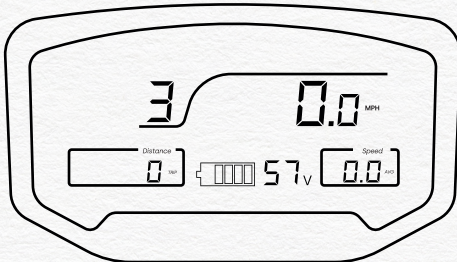
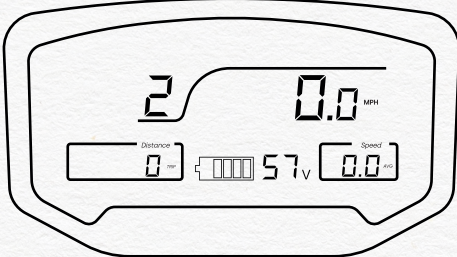
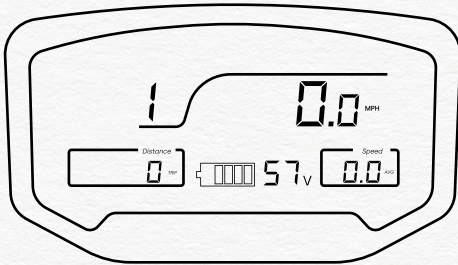
In this mode, the throttle will be inactive. Turning off the display requires you to press and hold the power button for 3 seconds.

Note: Gears will not affect the speed while using the throttle; it only affects pedal assist.



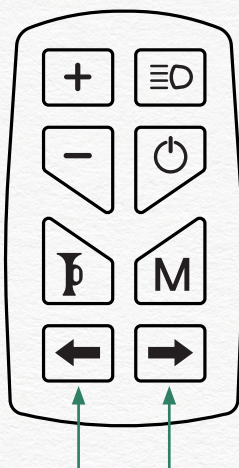
6

When in riding mode, you can use the + and - to switch between these 4 gears: P, 1, 2, and 3. Press the + button to release the P gear and enter the 1st gear. Press + key to increase the gear, press - key to decrease the gear.



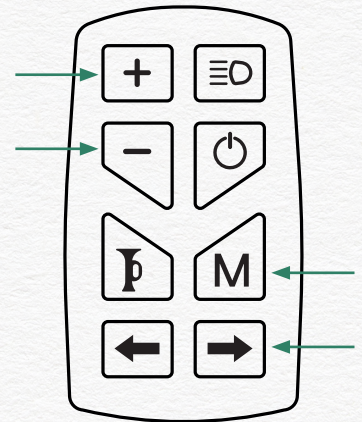
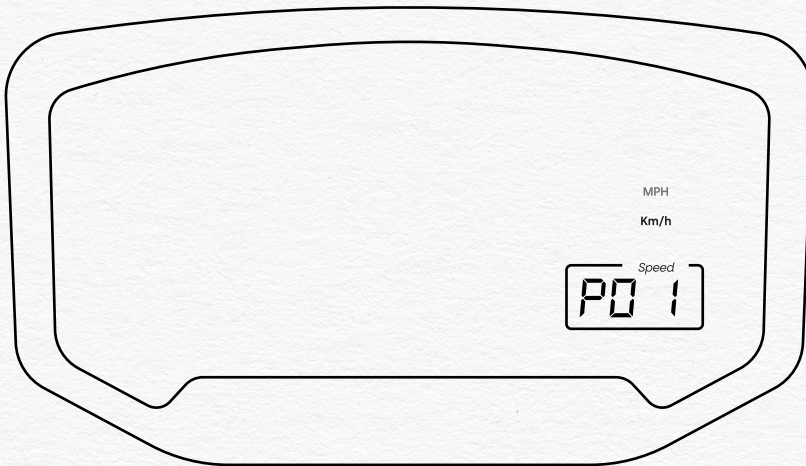
7

To use the turn indicators, simply press the right and left arrows at the bottom of the controller.



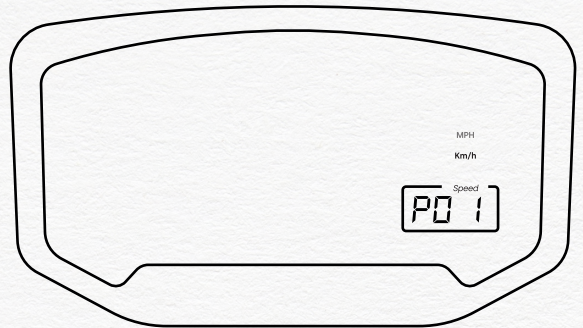
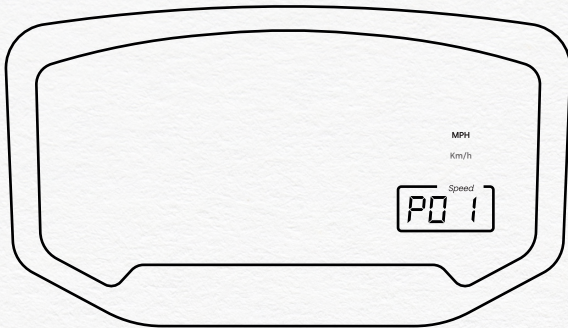
8

To enter in parameter mode, press and hold the M (menu) button for 3 seconds. The parameter modes range from P1-P10. Press and release the M button quickly to switch between P0 1-P10 , and use the + and – buttons to increase or decrease the parameter value. The display will automatically return to riding mode after no button is pressed for about 5 seconds.

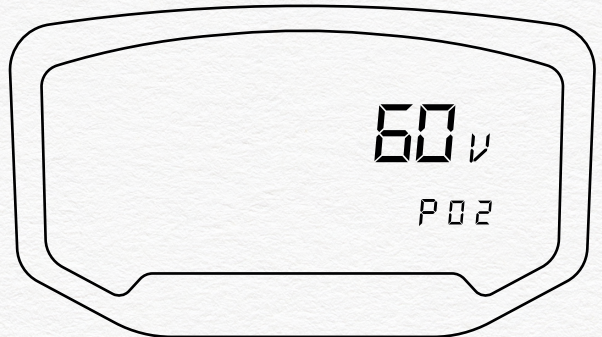
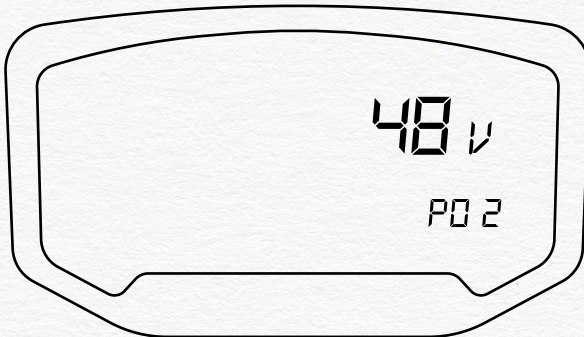


Parameter Settings

P01: Allows you to set the speed unit; you can choose between km/h and mph using the + and -



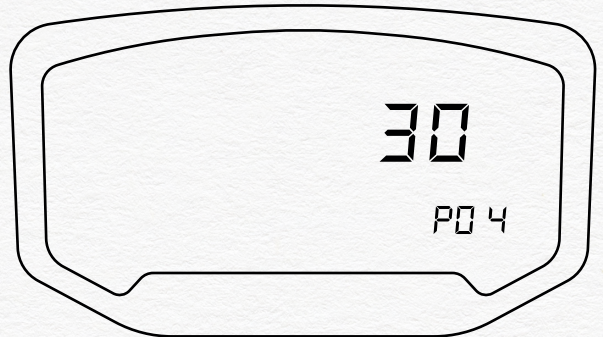
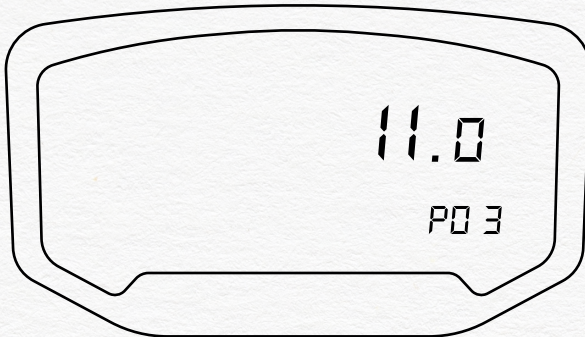
P02: Allows you to set the voltage value; you can choose between 48V, 52V, 56V, and 60V. The default voltage value will be 52V



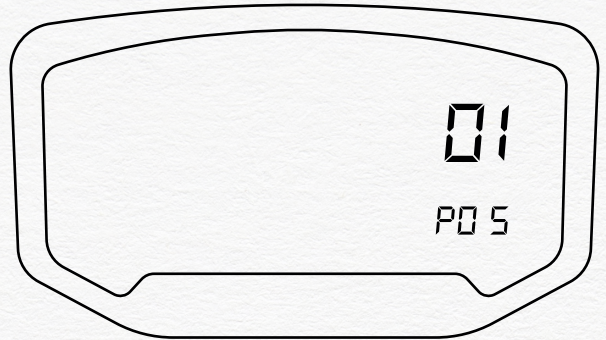
P03: Allows you to set the wheel diameter value. The default diameter is 20 inches, but the setting ranges from 5-50 inches and can be increased or decreased in increments of .5 inches. Wheel diameter is important because if the diameter is off then it can affect accuracy of speed and range.

P04: Allows you to set the number of motor magnetic poles, with the default being 1.

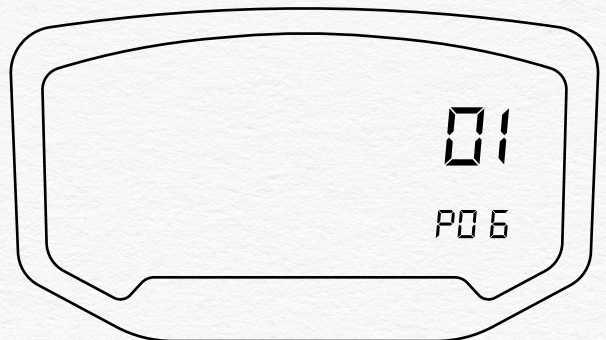
NOTE: Changing this parameter will affect the displayed speed value, please set it under the guidance of professionals



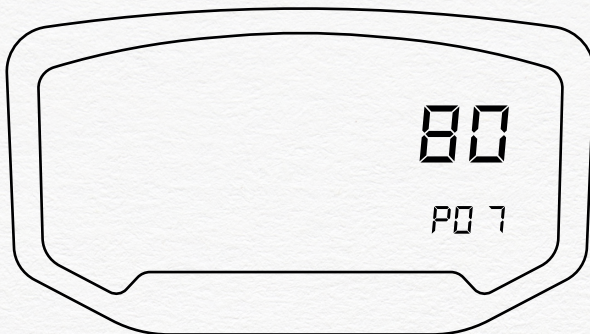
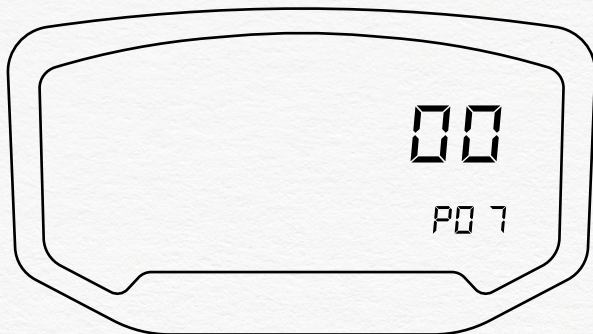
P05: Allows you to set the cruise switch. 1 means the cruise control function is turned on and 0 means it's turned off. The cruise function will start 6-8 seconds after it is turned on.



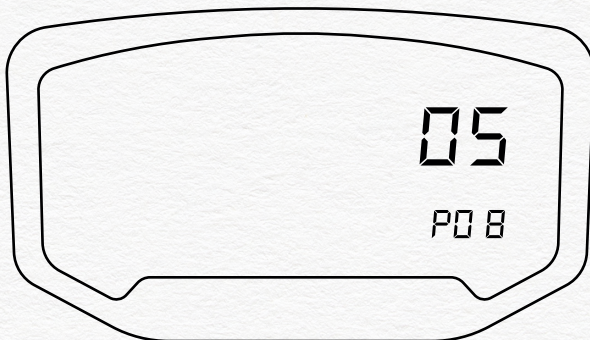
P06: Allows you to set zero start and non-zero start. This will change the ability for the throttle to engage instantly when used, rather than needing an external force for it to engage. 0 is zero start mode, and 1 is non-zero start. It will default automatically at 0.



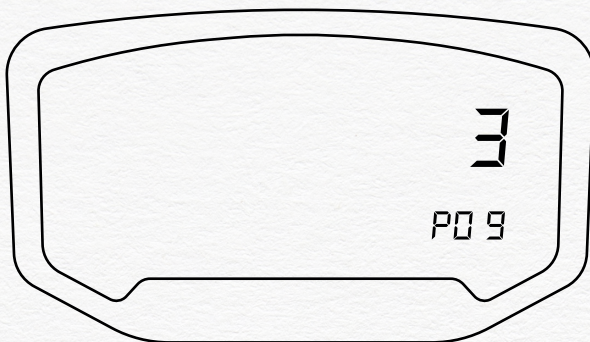
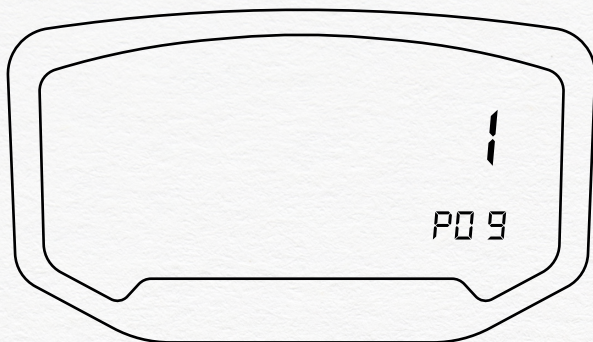
P07: Allows you to set the speed ratio. The default is 00 (which is full speed), and can be changed by percentage to determine the speed limit of the bike. EX: 50% is half of the full speed.



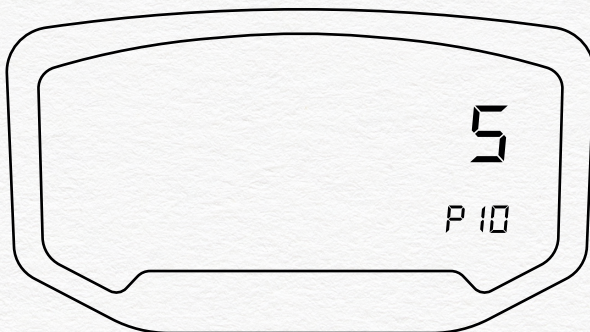
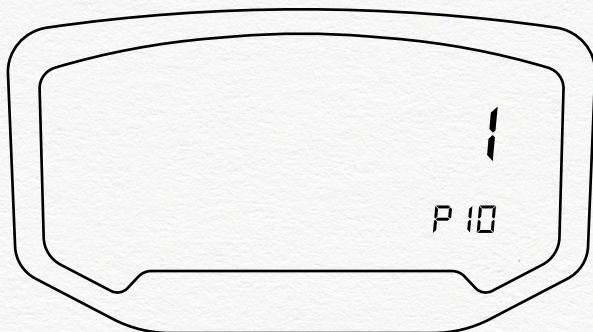
P08: Allows you to set the automatic shutdown time from 0-30 minutes. 0 means I won't shut down, while other numbers will determine the automatic shutdown time in minutes.



P09 : Allows you to change the display brightness. The display will default at 3 and be changed from 1-3 (1 is the lowest and 3 is the brightest)

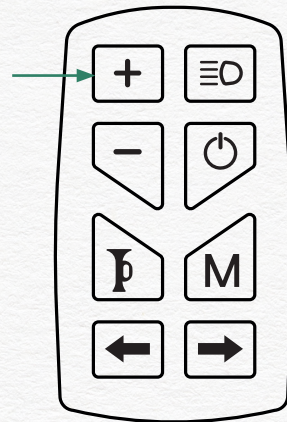
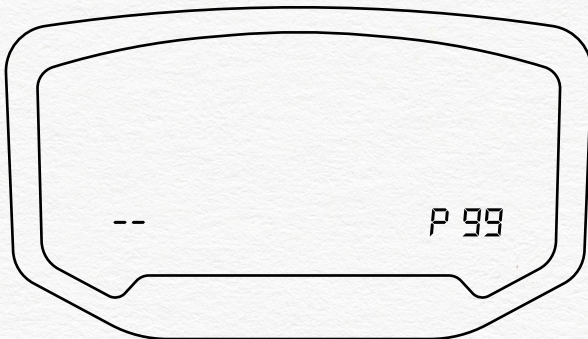
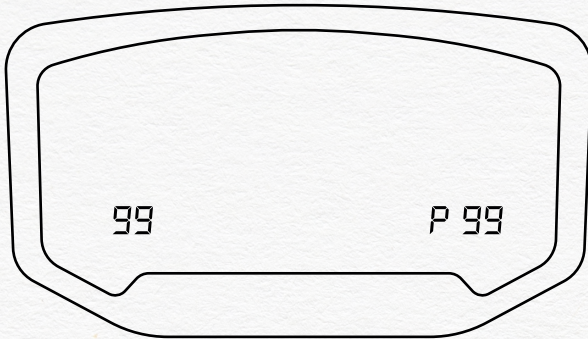


P10: Allows you to set the controller current, which can be set from 1-25. The actual current value is the setting value + 15A.

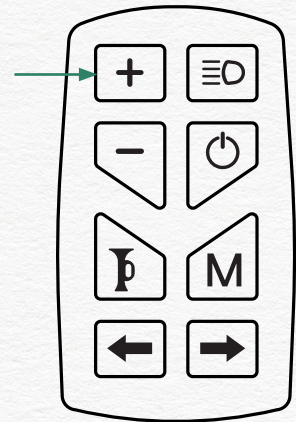
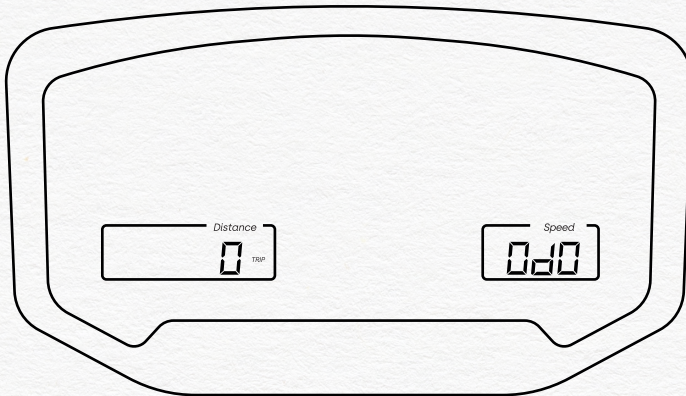


Other Settings

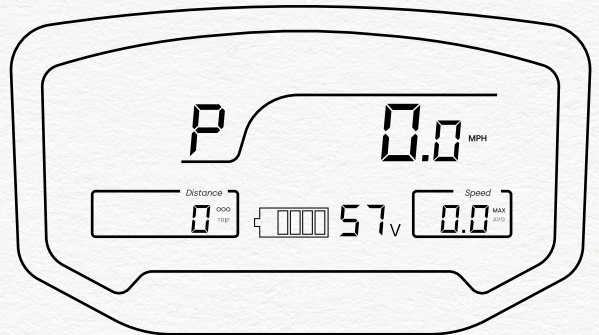
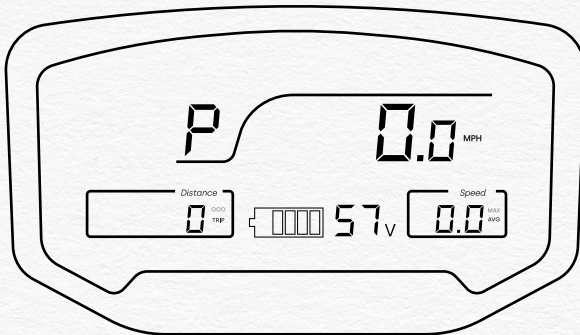
P99: Allows you to restore factory settings. In this mode, press and hold the "+" key for 3-5 seconds, wait until 99 changes to --. This means factory settings have been restored successfully and you will automatically be returned to the main interface.



0d0: Allows you to clear the total milage. To do this, press and hold the "+" key for 3-5 seconds. The total mileage will then be cleared to 0, and it will automatically return to the main interface.



In riding mode, the green box on the left of the screen displays the total mileage and single mileage. The box on the right will display the maximum speed and average speed of riding. Each box will switch between numbers displayed once every 3 seconds.



Error Code	Definition
7E	Rear drive motor is stalled or it's missing a phase
6E	Battery has dropped to a low voltage; it is in under voltage protection
2E	After the system is powered on, check whether the brake is working properly. If the brake signal is less than 0.75 volts for a long time, the brake is faulty.
14E	Check whether the Hall commutation signal of the rear drive motor is faulty. Also check whether the Hall signal connector has poor contact. If this state still occurs after reconnecting the terminals, the Hall of the rear drive motor is damaged.
8E	Detects whether the throttle is out of control or the throttle signal is less than 0.75 volts. This can be the result of a loose connection or damaged throttle. The error can also occur if the customer turns the throttle before the system is working. You can resolve this by resetting the throttle.
9E	Rear drive controller failure.
30E	There is a communication failure between the display and the controller. The display cannot receive the signal from the controller and the green cable is not connected.
31E	There is a communication failure between the display and the controller. The controller cannot receive the display signal and the yellow cable is not connected.

