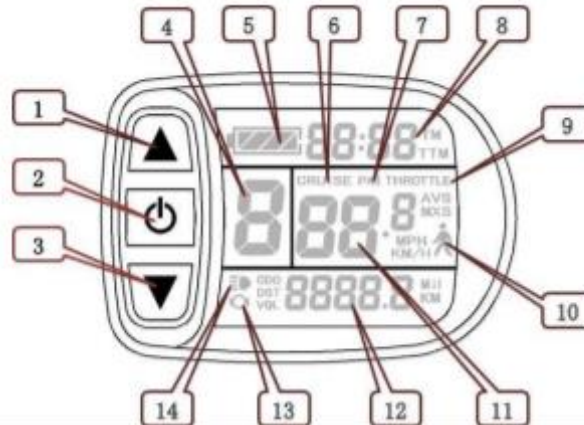


Functions and Display



1		UP Button	11	Km/H	Riding speed(metric)
2		POWER Button		MPH	Riding speed (imperial)
3		DOWN Button		MXS	MAX speed
4	ASSIST	Pas level		AVS	Average speed
5		Battery capacity indicator	12	Km	Distance(metric)
6	CRUISE	Cruise function		Mil	Distance (imperial)
7	PAS	Power-assisted function		DST	Trip distance
8	TM	Single trip time		ODO	Total distance
	TTM	Total trip time		VOL	Battery voltage
9	THROTTLE	Throttle display	13		The brake display
10		6Km/H push power assist	14		Backlight and headlights

Operation

On/Off

Hold the **POWER** button to turn on the display. Hold the **POWER** button again to turn off the display. If the e-bike is not used for 5 consecutive minutes, the display will automatically shut off.

Toggle Display Modes

Tap the **POWER** button to switch between screen modes – Display 1, Display 2 and Display 3. When in Display 2 or Display 3 while riding, the screen will switch to Display 1 after 5 seconds.

Display 1



Single Trip Time
Current Speed
Trip Distance

Display 2



Total Trip Time
Average Speed
Total Distance

Display 3



Total Trip Time
Max Speed
Battery Voltage

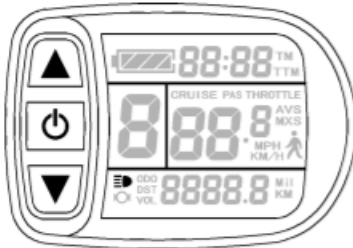
Changing Assist Level

Press the **UP** or **DOWN** buttons to switch between assist levels 1-5. Level 1 is the lowest level of assistance, Level 5 is the highest level of assistance. Upon start-up the display will automatically return to the gear you shutdown in last time. Level 0 has no motor assistance.



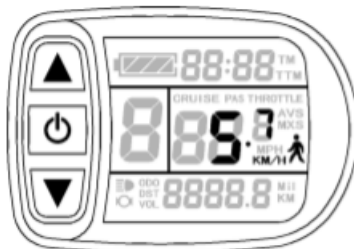
Turning on Headlight and Display Back light

Hold the **UP** button to turn on the display back light and headlight. Hold the **UP** button again to turn off the back light and headlight.



Walking Mode

Hold the **DOWN** button and the *6Km/H push power assist* icon will flash and the bike will move forward by motor power at a speed of 6km/h. Release the **DOWN** button to exit this mode.

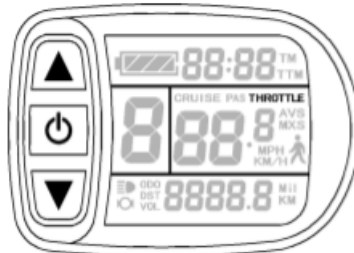


Resetting Single Trip Distance (TM) and Single Riding Time (DST)

After the display has been powered on for 5 seconds, hold the **UP** and **DOWN** buttons at the same time. The TM and DST readings on the screen will flash. Tap the **POWER** button shortly to clear the display. If you do not tap the **POWER** button within 5 seconds the screen will automatically return to Display 1, and the data will be preserved.

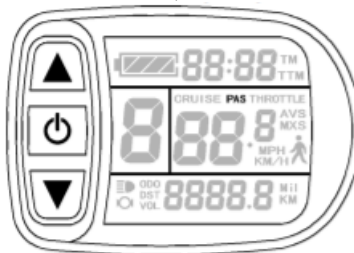
Throttle Display

When you use the throttle, the THROTTLE icon will be displayed



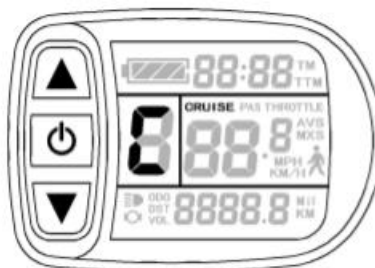
PAS Display

When using the motor's Power Assist features, the PAS icon will be displayed.



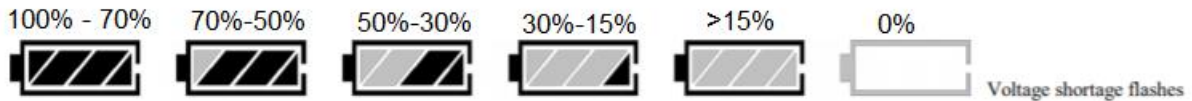
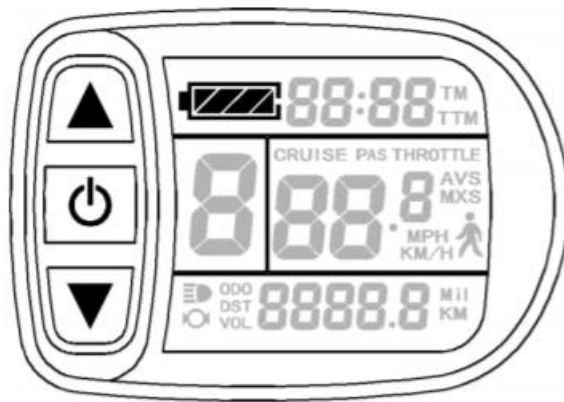
Cruise Control Function

To use this function, you must activate it in the settings menu – instructions on how to perform this are at the end of this manual. When at a riding speed of greater than 7km/h and when PAS is lit up on the screen, hold the **DOWN** button to enter Cruise Control mode. The motor will maintain the approximate speed which you are at when entering cruise control. Brake, pedal or press down any button to exit this.



Battery Capacity Meter

When the battery capacity is over 70%, the four power displays of the meter are lit. When the battery capacities drop, the four power displays turn off in the order below. When power capacity is less than 15%, all four power displays are turned off. If the controller is powered off due to a voltage shortage, the power display frame flashes, indicating the bike has had a voltage shortage and is waiting for shutdown.



General Display Settings

Setting Maximum Motor Speed

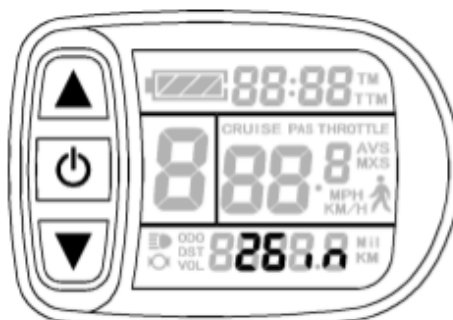
Within 5 seconds of powering on the bike, hold the **UP** and **DOWN** buttons at the same time. MXS and Km/H (MPH if you have the display set for that) will flash. Use the **UP** and **DOWN** buttons to raise or lower the maximum motor speed where the motor will power the bike up to. Hold the **POWER** button shortly to save this value and go to the next parameter.



Setting interface of maximum trip speed

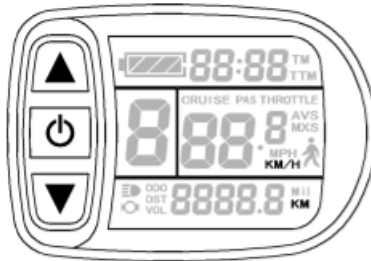
Wheel Diameter Setting

Hold the **UP** or **DOWN** buttons to set the wheel diameter used by the controller to determine bike speed. **This does not need to be changed unless you put a different sized wheel on the bike.** Select the value in the range of 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 700c and 28 inches. Hold the **POWER** button shortly to save and go to the next parameter.



Change units between Km/H and MPH

Hold the **UP** or **DOWN** buttons to select between Metric or Imperial units for speed and distance. After setting your preferred units short press the **POWER** button to re enter the Maximum Motor Speed setting or hold the **POWER** button to save setting values and return to Display 1.



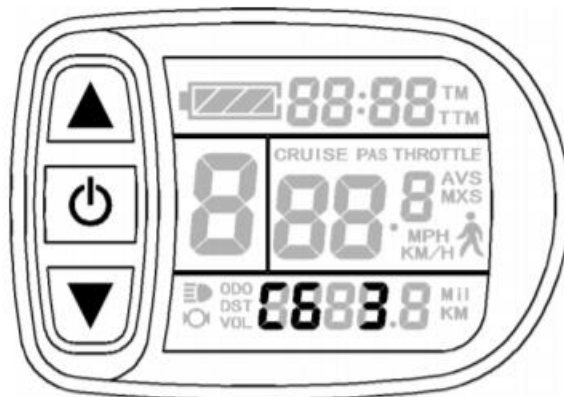
*When adjusting any of the above three settings you can hold the **POWER** button to save changes and return to Display 1. The screen will also return to Display 1 if you do not press anything for 1 minute.

Changing Display Back Light Level

Use the **POWER** button to turn on your display. Next, hold the **UP** and **DOWN** buttons within 5 seconds of turning on the display. If you don't get it the first time, turn the display off and then turn it on again before holding the **UP** and **DOWN** buttons.

Press the **POWER** button THREE times until the information on the screen stops flashing. Then HOLD the **UP** and **DOWN** buttons for 5 seconds. Press the **POWER** button FIVE times until you see P5 appear on the display and the information is no longer flashing.

Next, HOLD the **UP** and **DOWN** buttons again. Press the **POWER** button FIVE times to advance to C6. Then use the **UP** and **DOWN** buttons to adjust "Display Back Light". The dimmest setting is 1 and the brightest setting is 6. When you have set the preferred brightness level, PRESS the **POWER** button to save your selection, then HOLD the **POWER** button to exit the settings menu.



C6 parameter setting interface

Activating the Cruise Control Function

Use the **POWER** button to turn on your display. Next, hold the **UP** and **DOWN** buttons within 5 seconds of turning on the display. The SPEED display should start flashing. If you don't get it the first time, turn the display off and then turn it on again before holding the **UP** and **DOWN** buttons.

Press the **POWER** button THREE times until the information on the screen stops flashing. Then HOLD the **UP** and **DOWN** buttons for 5 seconds. Press the **POWER** button FIVE times until you see P5 appear on the display and the information is no longer flashing.

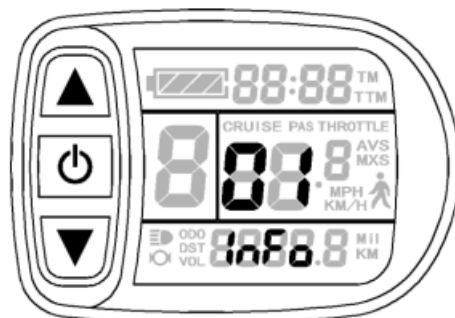
Next, HOLD the **UP** and **DOWN** buttons again. Press the **POWER** button SIX times to advance to C7. Then use the **UP** and **DOWN** buttons to adjust "Cruise Control. Set this to 0 to not allow for cruise control or to 1 to allow for use of the cruise control function. When you have set the preferred value, PRESS the **POWER** button to save your selection, then HOLD the **POWER** button to exit the settings menu.



C7 parameter setting interface

Error Codes

When there is a problem with the display or motor the display may show an error code. Which each error code represents is tabulated below – contact Biktrix support for assistance in steps to resolve these errors.



Error Code Display

Error Code	Definition	Solution
01	Throttle Abnormality	Unplug and replug in throttle
03	Motor Hall Sensor Abnormality	Unplug and replug in motor connector
04	Torque Sensor Signal Abnormality	
05	Axis Speed Sensor Abnormality	
06	Motor or controller short circuit	Check controller wires

