

Display Interface + Button Definition



Normal Operation

Power On/Off

Press and hold the **POWER** button to turn on the display. With the display turned on press and hold the **POWER** button again to turn it off.

Assist Level Operation

Press the **UP** and **DOWN** buttons to change the assist levels. The lowest level is 1, highest level is 9 – the number of levels can be changed in the advanced settings. Level 0 means no motor assistance.



Display Speed and Mileage Mode Switch

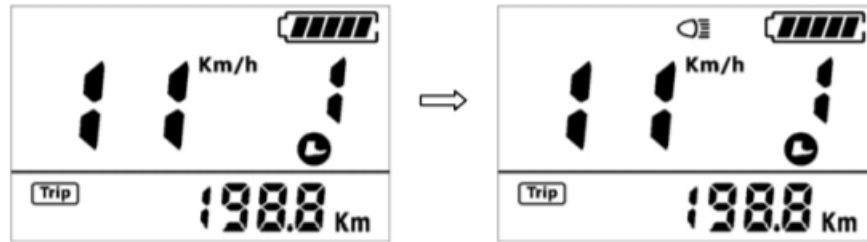
Press the **POWER** button to toggle between different information being shown on the display. This changes in the following order: AVG SPEED → MAX SPEED → TRIP → ODO → TIME.



*If there is no operation for 5 seconds display will return to Real Time speed automatically.

Headlight/Display Backlight Operation

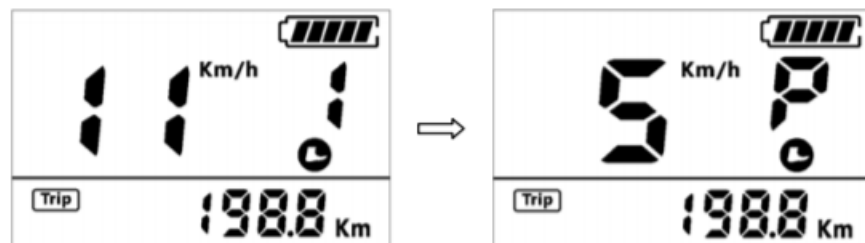
Press and hold the **UP** button to turn on the headlight and display backlight. To turn off the headlight when it is turned on press and hold the **UP** button again.



*While battery voltage is low the motor may not function. However, the display and light can remain powered on for some time after this happens.

Walking Mode

Press and hold the **DOWN** button to enter walking mode., The motor will work to propel the bike at 6km/h for you to walk alongside it. To exit this mode, release the **DOWN** button.



Data Cleanup

Press and hold the **UP** and **DOWN** buttons together to reset several pieces of temporary data. This temporary data includes: AVG Speed / Max Speed / Trip / Time.

Parameter Setting

Entering the Parameter Setting Menu

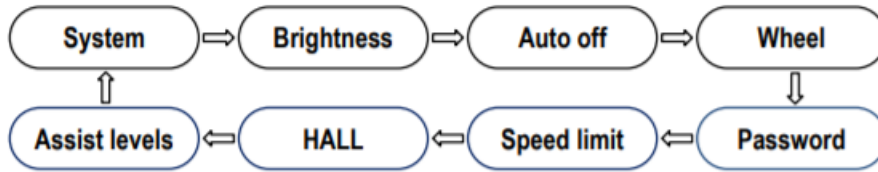
Hold the **MODE** button to enter the parameter setting menu. Press the **UP** and **DOWN** buttons to change a parameter. Press the **MENU** button to save changes and advance to the next parameter.

Hold the **MENU** button at any time to exit the parameter setting menu.

*The display will automatically exit this menu if there is no operation for 10 seconds.

*The display cannot enter this menu while riding and will exit this menu if you start riding.

The parameters are set in the following order:



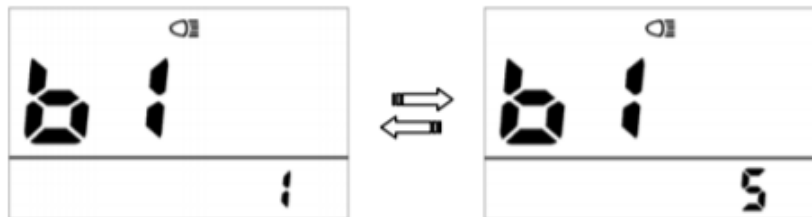
System

Display will show S7. Press the **UP** or **DOWN** button to change between Metric or imperial for speed and distance units. Press the **MODE** button to save changes and move to the next parameter.



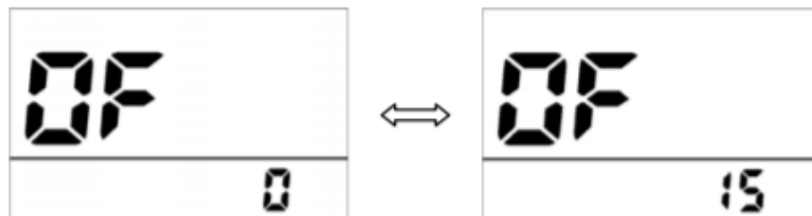
Brightness

Display will show b1. Press the **UP** and **DOWN** buttons to change brightness of the display's backlight. 1 is the darkest setting and 5 is the brightest. Press the **MODE** button to save changes and move to the next parameter.



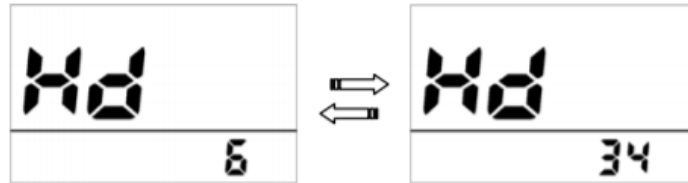
Auto Off

Display will show OF. Press the **UP** and **DOWN** buttons to change auto off time. This setting can be changed from 1 to 15 which is time in minutes to auto shutoff. This can also be changed to OFF which will disable the auto shut down feature. Press the **MODE** button to save changes and move to the next parameter.



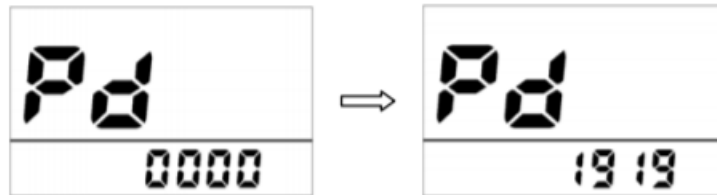
Wheel

Display will show Hd. Press the **UP** and **DOWN** buttons to change wheel diameter setting. You do not need to change this unless you are putting different diameter wheels on your bike than it came with. Press the **MODE** button to save changes and move to the next parameter.



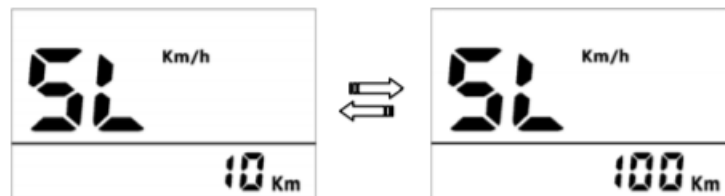
Password

Display will show Pd. You will need to enter the password for the display to change the following settings. Use the **UP** and **DOWN** buttons to change the value of a digit. Press the **MODE** button to set the digit and move to the next digit. The default password is **1919**.



Speed Limit

Display will show SL. Press the **UP** and **DOWN** buttons to change the max speed limit for the motor – above this speed the motor will no longer power the bike. Vale can be set between 10 km/h and 100km/h – note that you may not be able to reach the set max speed due to limitations of the bike and controller.



Hall


Display will show HL. This setting does not need to be changed. Press the **MODE** button to move to the next parameter.

Assist Levels

Display will show PA. Press the **UP** and **DOWN** buttons to change the number of PAS levels the bike will have. This can be set as 0-3 (3 levels), 0-5 (5 levels) or 0-9 (9 levels). Press the **MODE** button to save changes and return to the SYSTEM parameter.



Error Code Definitions

The 500C display can show error warning messages. An engine icon  will be displayed on the screen and the error code will be displayed at the bottom of the screen. For specific definition of the error codes consult the table below. If you need assistance in resolving these errors, please contact Biktrix support.

Error Code	Error Description	Error Display
0x01	Normal	No error
0x03	Brake Signal	No error
0x04	Throttle in high position	Display 04H on speed position
0x06	Low voltage protection	Display 06H on speed position
0x07	High voltage protection	Display 07H on speed position
0x08	Motor hall sensor error	Display 08H on speed position
0x09	Motor phase line error	Display 09H on speed position
0x10	Controller high temperature	Display 10H on speed position
0x11	Motor high temperature	Display 11H on speed position
0x12	Current sensor error	Display 12H on speed position
0x13	Battery temperature sensor error	Display 13H on speed position
0x14	Motor temperature sensor error	Display 14H on speed position
0x21	Speed sensor error	Display 21H on speed position
0x22	BMS communication error	Display 22H on speed position
0x30	Communication error	Display 30H on speed position