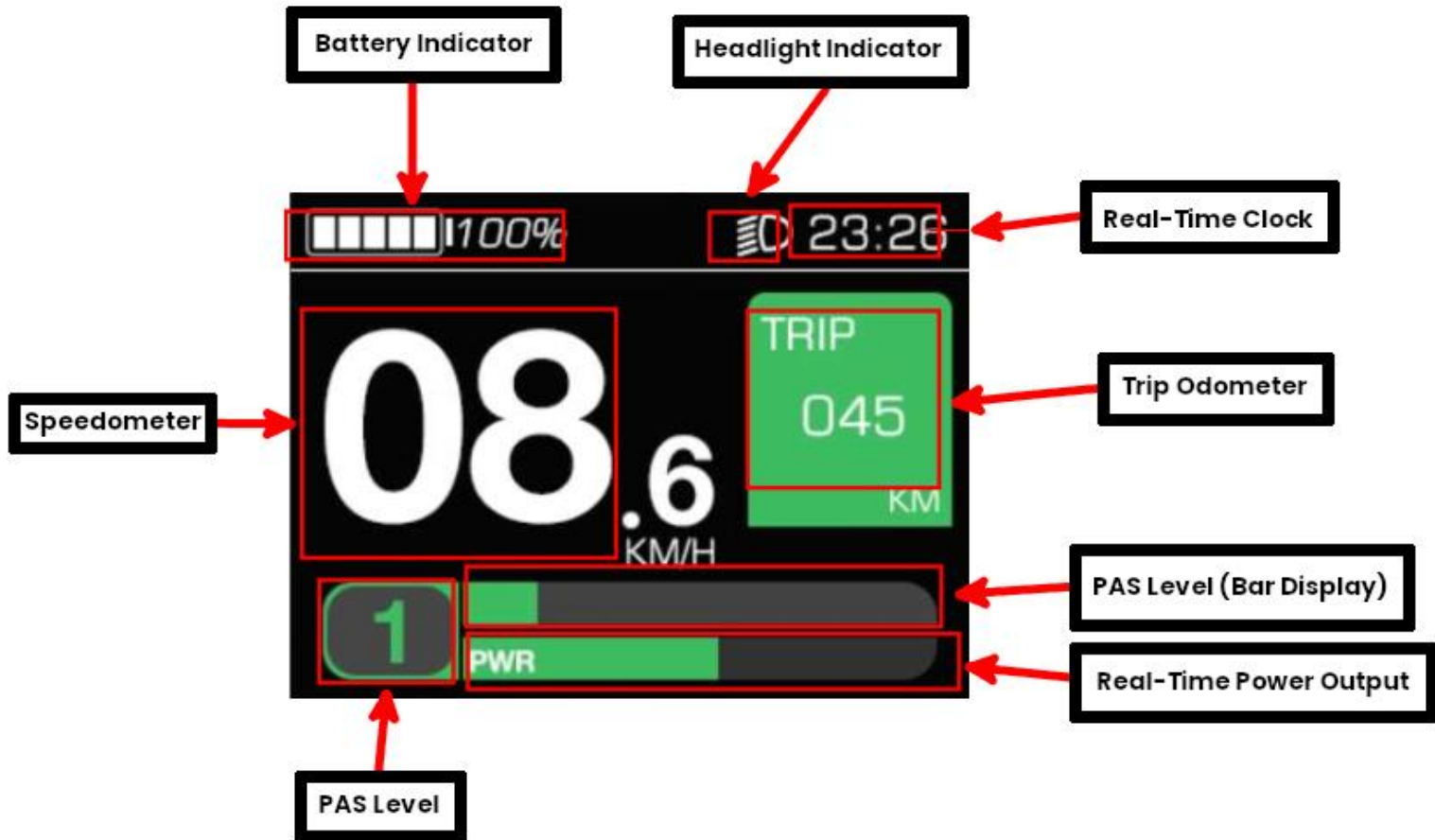




Control Pad Button Definition



Normal Operation

Power On/Off

Press and hold the **POWER BUTTON** to turn on the bike's display. This will power up the bike and let you use the electronics such as the motor. To turn off the electronics press and hold the **POWER BUTTON** again. If the bike's electronics are not used for 5 minutes the display will automatically power off (this time can be changed).

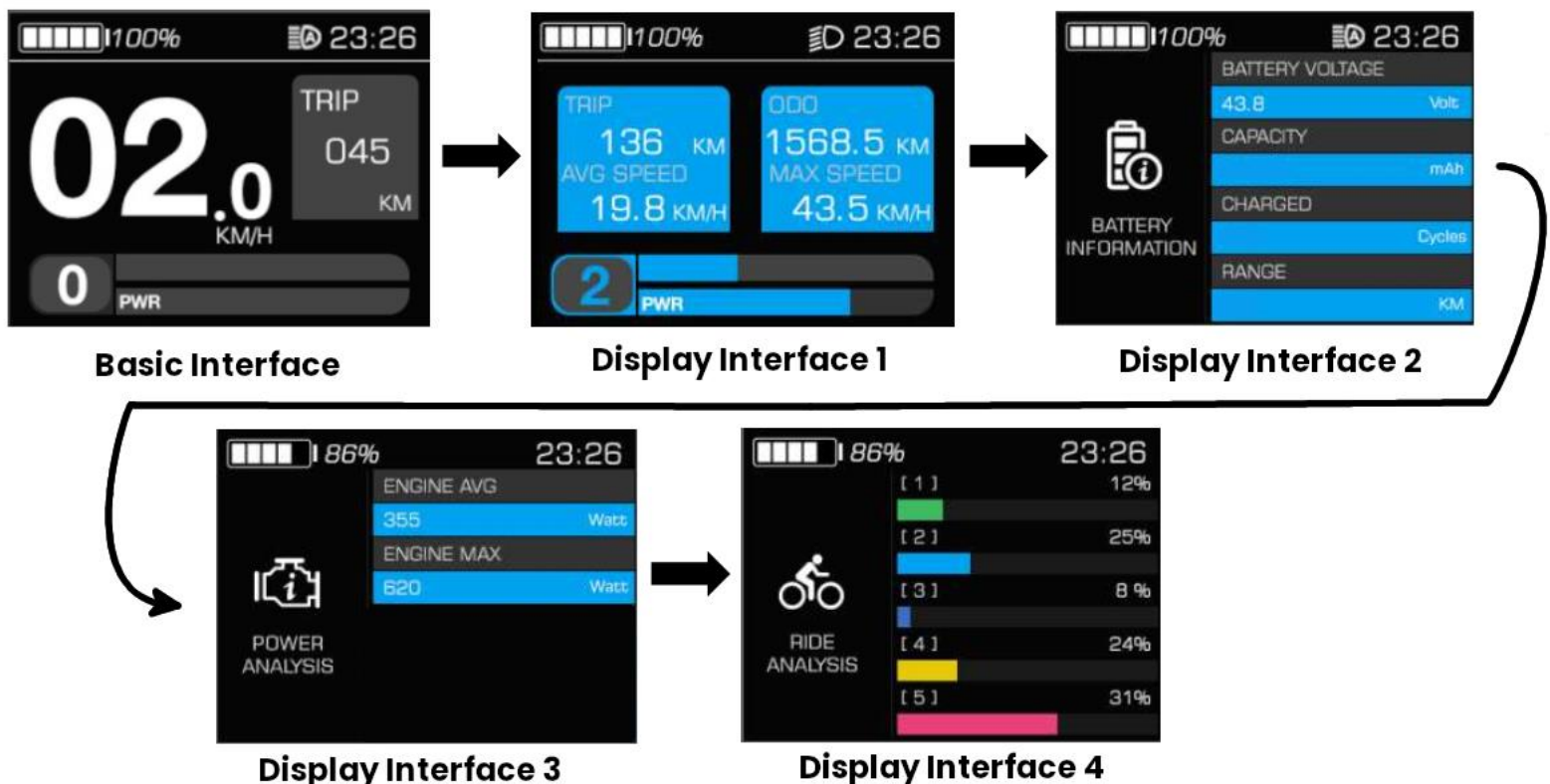
PAS Level Selection

Press the **UP Button** to increase the PAS level and the amount of assistance the motor will provide you. Press the **DOWN Button** to decrease the PAS Level and amount of assistance the motor will provide you. When in PAS Level 0 you will get no assistance from the motor. This display offers PAS Levels ranging from 1 for minimum assistance to 5 for maximum assistance.



Display Interface Switching

When the display is powered on by default it will show the Basic Interface as illustrated below. Tap the **MENU BUTTON** to toggle between the menu screens shown below. When riding if your speed is greater than 0 and the screen is not in the default Display Interface screen the view will return to the default Basic Interface Screen.



Headlight Operation

Press and hold the **UP Button** for ~2 seconds to turn on the headlight. The Headlight Indicator on the display will appear and the light will turn on. To turn off the headlight press and hold the **UP Button** for ~2 seconds – the light will turn off and the headlight indicator icon will also turn off from the display.

Walk Assistance Mode

Press and hold the **DOWN Button** to enter walk assistance mode. This will power the eBike's motor to run at a speed of 6 km/h, allowing you to walk alongside the eBike. To exit this mode, release the **DOWN Button**. **Note:** Do not sit on the bike while using Walk Mode – this may overload the motor!



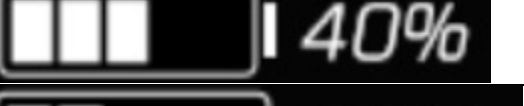
Display Interface Data Clearing

This menu can be used to reset data such as Trip Odometer, Average Speed and Maximum Speed. 10 Seconds after turning the display on when the screen is showing the Basic Interface press and hold the **MENU Button**. Then the below screen will appear – use the **UP Button** and **DOWN Button** to toggle between Yes and No and hold the **MENU Button** on your desired selection.



Battery Capacity Indicator

The battery capacity indicator on the lefthand side of the display consists of 5 segments when fully charged along with the battery charge percentage. These will decrease as the battery is discharged during riding. Consult the following table for the correlation between battery charge % and number of bars showing in Battery Indicator Section.

Charge Level	Battery Display Indicator
100%-80%	 100%
80%-60%	 60%
60%-40%	 40%
40%-20%	 20%
20%-10%	 10%
10%-5%	 5%
5%-0%	 0% - Indicator will also blink

Settings Menu

Note: This menu can only be entered within 10 seconds of turning on the display. If you have been riding and wish to enter this menu, you will need to power the display off and back on to enter this menu and make any changes.

Press and hold the **MENU Button** to enter the Settings Menu. Use the **UP Button** and **DOWN Button** to toggle between parameters and menus. Tap the **MENU Button** to enter the parameter you want to enter and change. Hold the **MENU** button to go back one level.

To save any changes you have made return to the main Settings Menu Interface pictured below then hold the **MENU Button** to exit the menu and save all changes.



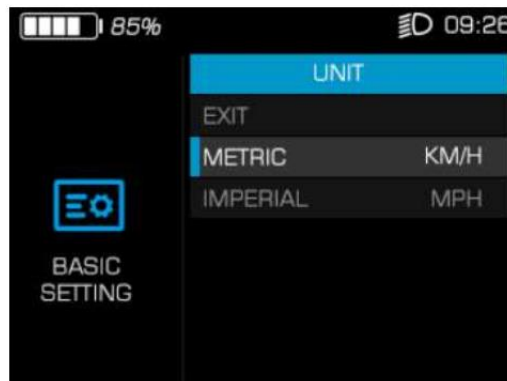
Basic Settings Menu

In this menu you will find basic information to change such as speed and distance units, clock time setting and auto shutoff time.



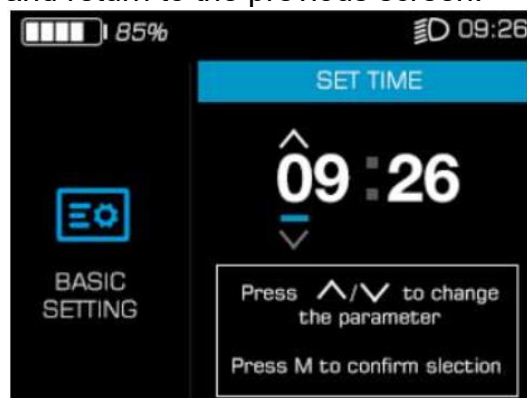
Unit Setting

This is used to change the units shown on the display for speed and distance. These can be changed between Metric (km) or Imperial (Miles). Use the **UP Button** and **DOWN Button** to choose your selection and tap the **MENU Button** to confirm the selection. To leave this settings screen and return to the previous screen press and hold the **MENU Button**.



Clock Setting

This is used to adjust the Real-Time Clock shown at the top of the display. Use the **UP Button** to increase a digits value, the **DOWN Button** to decrease the digits value and the **MENU Button** to advance to the next digit. Repeat for all numbers on the clock. When finished setting the time hold the **MENU Button** to save the time and return to the previous screen.



Note: The Clock System shows a 24-Hour time reading and is not an AM/PM Time System. This cannot be adjusted.

Maintenance Reminder

This can be used to display a reminder to perform any routine maintenance such as chain replacement, brake pad cleaning, tire changes, etc. By default, it is set to 5000 – this cannot be changed. Use the **UP Button** and **DOWN Button** to select “Off” or to select the maintenance interval alert. When finished setting this hold the **MENU Button** to save the setting and return to the previous screen.



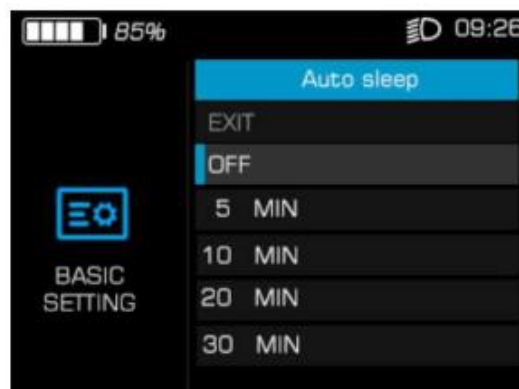
Display Backlight Level Setting

This setting is used to adjust the brightness of the LCD Display backlight. This can be set between Level 1, 2, 3, 4 and 5. Level 1 is the dimmest setting and Level 5 is the brightest setting. Press the **UP Button** and **DOWN Button** to select your desired value. When the desired brightness is highlighted hold the **MENU Button** to save the setting and return to the previous screen.



Auto-Sleep Time

This setting is used to set the time before the display automatically shuts off without any operation of the motor or controls. This can be set to OFF, 5, 10, 20 or 30 minutes. By default, this is set to 5 Minutes. Press the **UP Button** and **DOWN Button** to select your desired value. When the desired Auto Shut-off Time is set hold the **MENU Button** to save the setting and return to the previous screen.



Power On Password Setting

Warning: If you set a Power On password and forget it the only way to operate the bike's electronics again is to purchase a new display.

This setting allows the bike's electronics to only operate when a password has been entered. If set to OFF no password is required to operate the display and use the bike's electronics. If set to ON you will need to enter a password upon powering up the display before you operate the bike's electronics. If you do not want a Power On Password select NO with the **UP Button** or **DOWN Button** and hold the **MENU Button** to exit this screen.

With ON selected you will be prompted to set your desired Power On Password. Use the **UP Button** and **DOWN Button** to change the digits value and tap the **MENU Button** to advance to the next digit. With the password fully set and the final digit selected press the **MENU Button** to set the Power on Password. If you wish to remove this password or change it you will need to enter this menu again following the same steps as to you performed to set the password.



Information Menu

In this menu you can view some general information about the display, controller and battery.



Display Information

This screen will show information relating to the display such as hardware version and firmware version. Hold the **MENU Button** to exit this screen.

Battery Information

This screen will not show any information on Biktrix eBikes. Hold the **MENU Button** to exit this screen.

Controller Information

This screen will not show and information on Biktrix eBikes. Hold the **MENU Button** to exit this screen.

Advanced Settings Menu

This menu contains some advanced settings such as wheel size, speed limit and number of PAS Levels.



Note: This menu is password protected – a password must be entered before changing any settings within it. This password is “1212”. Use the **UP Button** and **DOWN Button** to change the digits value and tap the **MENU Button** to advance to the next digit. With the password fully set and the final digit selected tap the **MENU Button** to advance to the selections in the Advanced Settings Menu.

Wheel Size Setting

This sets the wheel diameter the display uses to calculate the bike’s speed and distance travelled. It should be set to the same size of tires as your bike has ie if you have 26x4” Tires on the bike you will set this to 26. Press the **UP Button** and **DOWN Button** to select your desired value. When the correct wheel size is highlighted hold the **MENU Button** to save the setting and return to the previous screen.



Speed Limit Setting

This will set the speed limit of the motor of the bike. Whatever this value is set to, the motor will not provide any extra assistance above this speed. This can be set between 5km/h and 99km/h. Press the **UP Button** and **DOWN Button** to select your desired value. When your desired speed limit is entered hold the **MENU Button** to save the setting and return to the previous screen.



PAS Mode

This will set the number of PAS levels the bike will have. This can be set to either 3 or 5 levels of assistance. Press the **UP Button** and **DOWN Button** to select your desired value. When your desired number of PAS Levels is highlighted hold the **MENU Button** to save the setting and return to the previous screen.



Error Code Display

If the display detects any errors with the motor or controller they will be reported on the screen as shown below. Here is a list of the error codes the display may show.



Error Code	Error Description	Suggested Solution
04	Throttle Position Error	Turn off bike – reset throttle position to default
05	Throttle Error	Replace Throttle
07	Overvoltage Protection Error	Check Battery Voltage
08	Motor Hall Sensor Error	Check Motor Connector Wire
09	Motor Phase Wire Error	Check Motor Connector Wire
11	Motor Over Temperature Error	Check Motor and Controller
12	Current Sensor Error	Check Motor and Controller
13	Battery Temperature Sensor Error	Check Battery – stop motor operation until battery cools
14	Motor Controller Sensor Temperature Error	Check Motor and Controller
21	Speed Sensor Error	Contact Biktrix Support
22	BMS Communication Error	Contact Biktrix Support
30	Motor Communications Error	Check Motor Controller and Umbilical Connection