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Preface

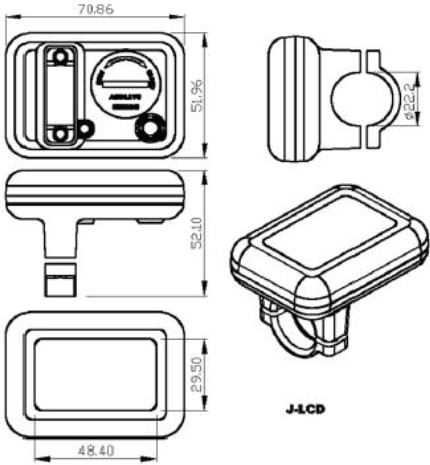
Please read through this J-LCD instruction manual carefully before using your electric bicycle. Correct setup, prior to your first ride, is vital to ensuring the proper and best performance of your electric bicycle.

Outlook and Size

Material and Color

Your LCD display and internal controls are housed in black polycarbonate material.

Display Size



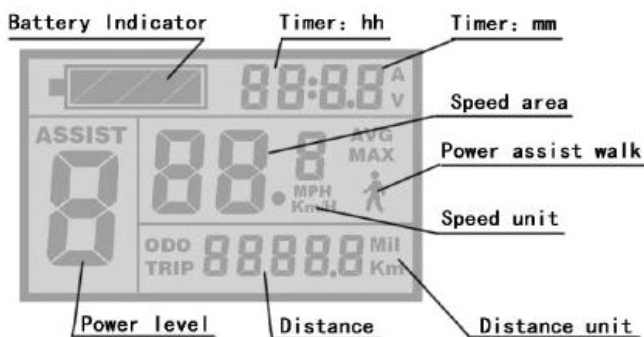
Function and Button Summary

Introduction of User Settings

Your LCD user settings include local time setting, top speed setting, speed (mph/km) setting, wheel size setting and LCD backlight brightness setting.

Display Area Information

Your LCD displays battery capacity, local time, power assist level, riding speed, riding distance, 6kmh power assist walk, and malfunction codes of the electronic control system.



Button Information

Your LCD is equipped with 3 button controller. The buttons can be installed on either side of the handlebars. Its dimensions are as follows:



The 3 button controller is connected to the bottom of the display through a 3-wire connection.

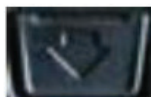
In the following setup tutorial:



is named "MODE"



is named "UP"



is named "DOWN"

Installation

Fix the display and 3 button controller onto the handlebars and adjust to your optimal visual angle before tightening. Match display connectors with button controller connectors.

Setting Your Display

Starting the Display

Confirm that wire connections are correct. Turn on bicycle power supply.

Startup and setup instructions

Press and hold down the **MODE** button to start the display

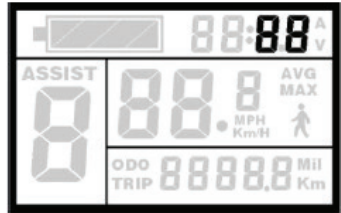
After start-up, hold **UP** and **DOWN** simultaneously for three seconds. This will enter the setting state.

Time Setting

After entering setting state, first set the hour using the **UP** and **DOWN** buttons. Press **MODE** to confirm and set minute by using **UP** and **DOWN** buttons. Press **MODE** to confirm and move on to setting top riding speed.



Setting Hour



Setting Minute

Top Speed Setting

The default top riding speed in the display is 25kmh.

You can change the speed setting and reset a new default riding speed. If the electric bicycle exceeds this new figure, the controller will automatically cut power to the motor to ensure rider safety.

The setting range of top riding speed is from 10kmh to 35kmh.

After selecting desired top riding speed, press MODE to confirm and enter into the display unit settings.

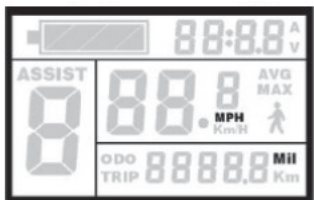


Top Speed Setting Location

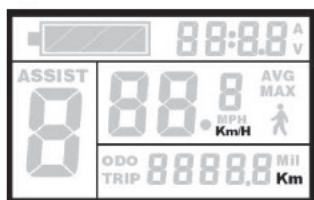
Choice of Display Unit of Measurement

The display can be selected to measure in kilometers or miles per hour.

Press **UP** or **DOWN** to choose your desired unit of measurement. Press **MODE** to confirm and enter into wheel diameter setting.



American Standard



Metric System

Wheel Diameter Setting

Press **UP** or **DOWN** to choose your correct wheel diameter to ensure an accurate reading of speed and distance. The interface is as follows:



Press **MODE** to confirm wheel size and enter into the LCD backlight brightness setting.

Backlight Brightness Setting

You can select from three levels of brightness for your display. Press **UP** or **DOWN** to modify the backlight brightness desired. Press **MODE** to confirm. The selected brightness level will illuminate when backlight is turned on.

Exit Setup

Hold **MODE** for 3 seconds to save current settings and exit setting interface.

Operating your Display

Power On/Off

Press **MODE** to turn on your display and electric controller.

To turn off, hold **MODE** until display turns off. In the power off state, your electric bicycle's power consumption is zero.

Volton Bicycles suggests if the electric bicycle isn't being used for more than 4 hours that the battery be removed from the bicycles and stored or charged in a safe place.

Speed Display

When the electric bicycles is powered on, the display will automatically show the current speed.



Hold **UP** and the display will show the top speed during the ride. Hold **UP** again and the display will show the average speed during the ride. Hold **UP** again and the display will turn to the current speed display.



Assisted Power Selection

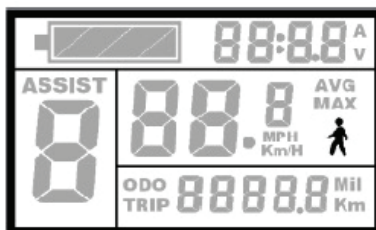
Press **UP** or **DOWN** to change the level of desired assist. The power ranges from Level 1 to Level 5. Level 1 is minimum power assist; Level 5 is maximum power assist. The default level is Level 1.



Power Assist Walk Mode

Hold **DOWN** and enter into the power assist walk mode. The electric bike will travel at a speed of 6km/h.

Warning: This function is only to be used while pushing the electric bicycles. Please do not use assisted power walk function while riding the bicycle.



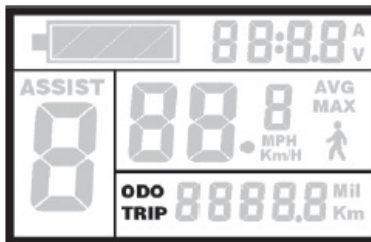
Controlling the LCD Backlight and Headlight

Hold both **UP** and **DOWN** for 3 seconds to turn on the LCD backlight.

Hold both **UP** and **DOWN** for 3 seconds again to turn off the LCD backlight. This process controls head lights on Volton Bicycles with wired safety lighting systems.

Distance Display

Press **MODE** and change between riding distance (TRIP) and total distance (ODO).



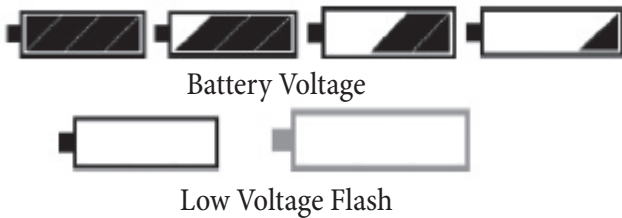
Range Interface Display

Battery Capacity Display

The battery capacity is displayed via a five segment battery icon. When fully charged, all five segments are fully lit. When battery voltage is low the battery display frame will flash. This indicates a battery with severely low voltage.

VOLTON BICYCLES HIGHLY RECOMMENDS IMMEDIATELY CHARGING A BATTERY DISPLAYING A FLASHING BATTERY ICON.

COMPLETELY DRAINING THE BATTERY OR STORING AN UNCHARGED BATTERY IS NOT RECOMMENDED.



Malfunction Code Display

If there is something wrong with the electronic control system, the display will show the error code automatically. The following are some definitions of malfunction codes.

Display Value	Definition
21	Current Abnormality
22	Throttle Abnormality
23	Motor Open-phase
24	Motor Hall Signal Abnormality
25	Brake Abnormality



Error Code Display

Button Battery Replacement

The model of the display battery is CR2032. This battery is used exclusively for the internal clock inside the LCD display.

Do not hit or knock the display or button controller. When replacing the internal battery, please detach the display from the handlebars for easy installation.

If the display is showing a timer error, replace the button battery.

After replacement of the internal display battery, time of the display will need to be set.