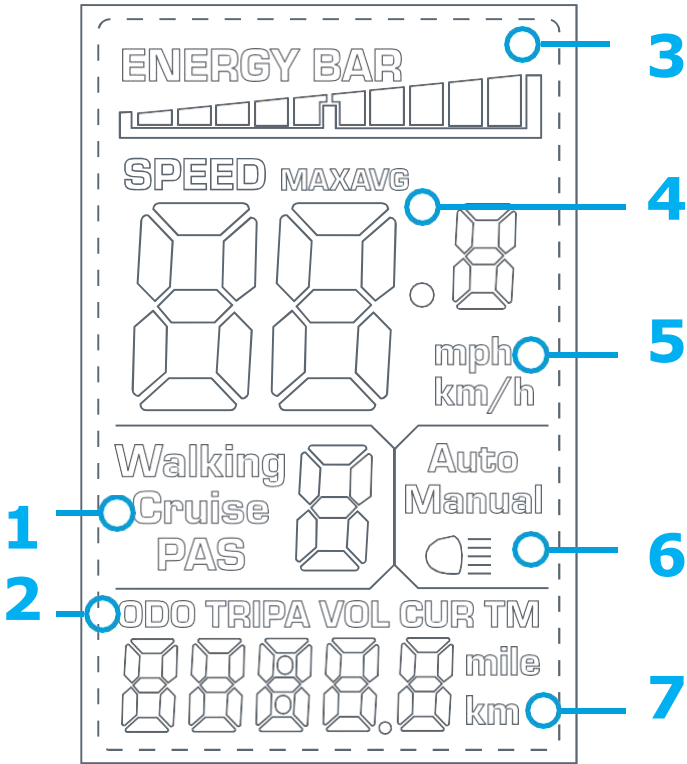


LCD Display functions



- 1** Walk Mode, Cruise Control, and Pedal assist (PAS) Level Indicator
- 2** Odometer, Trip A, Voltage, Current, Trip Timer (TM) readouts
- 3** Battery level indicator bar
- 4** Maximum and Average Speed
- 5** Speedometer in MPH or KM/H
- 6** Light On/Off Indicator (No this function on this bike)
- 7** Mile and kilometer indicators

Operating the LCD Display

Turning the bike ON/OFF	Hold the power button until the display turns on
Increase Pedal Assist Level	Press up button
Decrease Pedal Assist Level	Press down button
Toggle Odometer, Trip, Voltage, Trip Timer (TM), Max Speed and Average Speed	Press the power button
Enter walk mode	Hold the down button
Enter cruise speed	Press and hold the throttle while holding the down button

Notes: The trip meter will reset when the bike is powered off. The maximum and average speed will be calculated for a given trip, and will reset when the bike is powered off. When the bike has not been used for 10 consecutive minutes, the display will automatically shut down. The pedal assist and throttle features will no longer work when the display is turned off.

Walk Mode

In general, electric bikes are heavier than the non-electric counterparts. This makes walking the bike a more strenuous activity. To make walking the bike easier, Senada bikes are equipped with walk mode. If you hold down the down button on the display control pad, the motor will engage at a speed similar to a slow walk. When walk mode is engaged, a “Walk” indicator will appear on the display. To deactivate walk mode, simply pull the brake levers to engage the motor inhibitors or press and hold the down button.

Cruise Control

Cruise control on Senada bikes work similarly to cruise control on a car. To activate: hold the down button while pressing and holding the throttle. The bike will try to maintain a speed based on the position of the throttle

when cruise control was activated. For example, if the throttle is held all the way from its resting position (to a position that would normally maintain 20km/h) and the down button is held, cruise control will be activated and set at 20km/h. Even if the bike is currently going slower than 20mph, the bike will try to accelerate and maintain that speed because it was set based on that throttle position. To cruise at low speeds, only slightly press the throttle and hold the down button. Cruise control can be deactivated at any time by pulling the brakes or pressing the throttle again, or holding the down button. This will also cut power to the motor as it would during normal operation.

Display Settings

To change display settings, hold the up and down button simultaneously to enter into the advanced settings menu. In this menu, clicking the power button will toggle between each numbered setting. To adjust the value of each setting, click the up and down buttons accordingly.

Setting	Function	Default	Explanation
P01	Brightness	2	Backlight display brightness. The darkest level is 1, the brightest level is 3.
P02	Distance Units	1	Distance Units. 0: KM; 1: MILE.
P03	Voltage	48	Voltage of the motor. Do not change it.
P04	Sleep	10	LCD Display sleep timer. With the default setting, the display will turn off after it has not been used for 10 minutes.
P05	PAS Gear	0 5	The pedal assist level ranges 0 to 5.

Setting	Function	Default	Explanation
P06	Tire Size	24.0 on Drifter; 29.0 on Archon Pro	Tire size. Used by the electronics to compute speed and distance Traveled. Do not change it.
P07	Speed Measure	1	Magnetic steel number of the speed sensor. Do not change it.
P08	Speed Limit	100	Speed limit. Range is 0-100. 100 indicates no speed limit. 25 or value under 25 indicates that the maximum operating speed of the vehicle will not exceed 25km/h (15.5mph). If the max speed of the vehicle is 45km/h (28mph), input a value between 25 and 45, this value represents the maximum speed of the vehicle. Error: ± 3 mph
P09	Throttle Zero Start	0	0: throttle active from standstill 1: throttle active only when already moving
P10	Mode Toggle	2	0: PAS Active, Throttle Inactive 1: PAS Inactive, Throttle Active 2: Both PAS and Throttle Active
P11	PAS sensitivity	1	Sensitivity of pedal assist system

Setting	Function	Default	Explanation
P12	PAS Strength	5	Strength of PAS mode. When set to higher numbers, the motor will come on stronger. On lower numbers, it will be more gentle.
P13	Types of PAS Sensor Magnetic steel	5	Types of PAS Sensor Magnetic steel
P14	Controller current limit value	12	Not open to users. The modification is invalid.
P15	Controller undervoltage value	39.0	The controller will shut down when the voltage is lower than 39.0V
P16	Odometer Reset	NA	Hold the up button for 5 seconds to reset the Odometer.

We do not recommend that you change the settings if your bike works well. Changing the settings may cause your bike to stop working properly. If your bike doesn't work properly after you change the settings, please return to the default settings. Senada may change the default value in production without notice. If you need any help, please contact us.

Changing the Top Speed

You must check your local laws and regulations to determine if it is lawful to ride this bike on public roads before adjusting the bike's top speed. Laws vary by trail, path, and road so be sure to check in each new location you will be riding.

To change the top speed of the bike:

1. Access the settings menu by pressing and holding the up and down buttons of the display simultaneously until the screen says "P01".
2. From here you can cycle through settings by hitting the power button of the display and adjust the settings by pressing the up or down buttons.
3. Please go to setting "P08" and change this setting from 100 to 25 (Suppose you want to adjust the maximum speed to no more than 25km/h).
4. Press and hold the up and down buttons on the control pad until the main screen is shown once again.
5. Power the bike off by holding the power button to save the settings you have just changed.

Battery Capacity Display

On the top of the LCD display, a battery indicator bar can be found which is labeled "energy bar". This battery indicator shows the estimated charge left in the bike's battery. As the battery depletes, tick marks will begin to disappear according to approximately how much charge in the battery has been used. The various charge level indicator states are shown below. The battery display will flash when there is no charge remaining.

Note: The energy bar will not always be accurate. The energy bar updates every few minutes based on the current voltage of the battery.



TIPS WHEN RIDING TO INCREASE RANGE

To get the maximum range out of your bike there are some

simple things you can do:

- Ride in a lower level of pedal assist
- Use lower assist levels and pedal when climbing hills
- Pedal when starting from a standstill
- Set your max speed lower than 20mph on the LCD display

The range the bike can go on a single battery charge can vary significantly between riders, terrain, wind conditions, user input, and additional payload weight.

Troubleshooting

If your bike is not operating normally, there are some simple steps that can be taken to remedy the situation quickly. There may or may not be an error code that pops up on the screen depending on the issue. Solutions to common problems, as well as error code meanings, can be found below. If you have any questions at all regarding the basic troubleshooting below, reach out to Senada Bikes customer support.

Symptoms	Possible Causes	Most Common Solutions
The bike does not work	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Faulty connections 3. Battery not fully installed into frame mount receptacle 4. Improper turn on sequence 5. Brakes are applied 6. Blown discharge fuse 	<ol style="list-style-type: none"> 1. Charge the battery 2. Clean and repair connectors 3. Install battery correctly 4. Turn on bike with proper sequence 5. Disengage brakes 6. Replace discharge fuse
Irregular acceleration and/or reduced top speed	<ol style="list-style-type: none"> 1. Insufficient battery power 2. Loose or damaged throttle 	<ol style="list-style-type: none"> 1. Charge or replace battery 2. Replace throttle
The motor does not respond when the bike is powered on	<ol style="list-style-type: none"> 1. Loose wiring 2. Loose or damaged throttle plug wire 3. Loose or damaged motor 4. Damaged motor 	<ol style="list-style-type: none"> 1. Repair and or reconnect 2. Tighten or replace 3. Secure or replace 4. Repair or replace
Reduced range	<ol style="list-style-type: none"> 1. Low tire pressure 2. Low or faulty battery 3. Driving with too many hills, headwind, braking, and/or excessive load 4. Battery discharged for long period of time without regular charges, aged, damaged, or unbalanced 	<ol style="list-style-type: none"> 1. Adjust tire pressure 2. Check connections or charge battery 3. Assist with pedals or adjust route 4. Balance the battery; contact customer support if range decline persists
The battery will not charge	<ol style="list-style-type: none"> 1. Charger not well connected 2. Charger damaged 3. Battery damaged 4. Wiring damaged 5. Blown charge fuse 	<ol style="list-style-type: none"> 1. Adjust the connections 2. Replace 3. Replace 4. Repair or replace 5. Replace charge fuse
Wheel or motor makes strange noises	<ol style="list-style-type: none"> 1. Loose or damaged wheel spokes or rim 2. Loose or damaged motor wiring 	<ol style="list-style-type: none"> 1. Tighten, repair, or replace motor. 2. Reconnect or replace

Error Codes

Error Code	Meaning	Most Common Solution
E006	Battery Undervoltage	Fully Charge Battery
E007	Motor Fault	Check Motor Quick Plug
E008	Throttle Fault	Check Throttle Quick Plug
E009	Controller Fault	Check Controller Connections
E010	Display Communication Reception Failure	Check Display Quick Plug
E011	Display Communication Send Failure	Check Display Quick Plug