



**SENADA**  
**B I K E S**

**AUSTIN**

**OWNER'S MANUAL**

## Welcome

Thank you for purchasing AUTSIN from Senada Bikes.

Please read carefully and understand this manual fully before assembling and riding your e-bike.

If you have questions after reading this manual, please contact us by email.

**We are here to help!**

[Email:ask@senadabikes.com](mailto:ask@senadabikes.com)

[Website: www.senadabikes.com](http://www.senadabikes.com)

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## Attentions

### Battery and Charging:

Charge at  $0^{\circ}\text{C} \sim 45^{\circ}\text{C}$  (  $32\text{-}113^{\circ}\text{F}$  ) , discharge at  $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$  (  $68\text{-}140^{\circ}\text{F}$  ), please keep the battery dry. Do not put the battery in acidic or alkaline liquid. Avoid rain and keep away from fire, heat, and high-temperature environments.

It is strictly forbidden to connect the positive and negative poles of the battery reversely. It is strictly forbidden to damage, disassemble the battery or cause short-circuit.

Please use the original charger for charging, with a charging time of no more than 8 hours and a charging current no larger than 2A. When not in use for a long time, please store the battery in a cool and dry place, and charge the battery for 5 hours every month. The user must follow the manual instructions when charging, otherwise, the consequences will be at their own risk.

Pay attention to the battery type and applicable voltage that the charger can charge, and it is

strictly forbidden to mix. When charging the battery, it should be placed in a ventilated environment. It is strictly forbidden to charge in residential buildings, enclosed spaces, or under sunshine and in high-temperature environments. When charging, plug in the battery first, then connect to the power supply socket; after full charge, disconnect the socket side first, and then unplug the battery. When the green light is on, the power supply should be cut off in time, and it is forbidden to connect the charger to the AC power supply for a long time without charging.

During the charging process, if the indicator light is abnormal, there is a peculiar smell, or the charger casing is overheated (over 176°F or 80°C), stop charging immediately, and repair or replace the charger. During the use and storage of the charger, pay attention to avoid foreign objects entering, especially water or other liquids, so as to avoid a short circuit inside the charger. The charger should not be carried with the bike often. If it is necessary to carry it, it should be placed in the toolbox after the shock absorption treatment is done. Do not disassemble or replace the accessories in the charger by yourself.

**Ride:**

This product is prohibited for use by children under 12 years old; adolescents aged 12-16 should use it under adult supervision. Do not use it until you read the instructions carefully

and understand the performance of the product; do not lend it to people who can't manipulate the product for riding.

Before riding the bike, check whether the brakes are working. When you use the brake, please activate the rear brake first, and then the front brake.

Pay attention to the brake tightness. If the brake is too loose, use an Allen key to tighten it. Pay attention to the braking distance, it will increase when riding in rain or snow.

Please be sure to wear a safety helmet when riding the e-bike, follow the traffic rules, and do not drive on motorized lanes and roads with many pedestrians.

Please check the tire pressure before riding. The recommended tire pressure is **26~30PSI/179-206kPa**. The maximum tire pressure should **not exceed 35PSI/241kPa**.

When riding on downhill and non-paved roads, make sure the speed does not exceed 15km/h (9.3mph). When using the motor, please be careful not to hit the wheels vigorously and keep the rotating shaft lubricated. It is not allowed to ride with more than the maximum load (265 lbs or 120kg).

After use, please do not park the bike in the building hall, evacuation stairs, or safety exits. Please park the bike correctly in accordance with the procedures and safety information detailed in this manual and local policies.

### **Liability statement:**

After riding, please store the bike in a place without sunlight and rain, not in a residential building; Regularly check the motor and brake; Regularly check the bike's screws, especially those that need to be tightened, and tighten them regularly.

Recommended torque: (unit: kgf.cm) Steering handlebar screws 60-80, stem screws 175 ~ 200, seat cushion screws 175 ~ 200, wheel screws 320 ~ 450; The front and rear wheels of the e-bike should align with the central axis of the front fork or frame; Regularly check if there is scratches, cracks or excessive wear in tires. The inner tube and valve should be perpendicular to the wheel hub and not crooked.

Damaged or excessively worn tires need to be replaced immediately, please find a professional technician to replace your tires. If your tires accidentally puncture and leak, please contact a professional technician for repair or replacement.

## **Maintenance:**

The company reserves the right to modify and interpret the product models, specifications, or related information mentioned in this manual; The functions of a specific model mentioned in this user manual are only applicable to that specific model; The product models, specifications, or related information mentioned in this user manual are subject to any modification or change without prior notice; Without the prior written permission of the company, the contents of this manual may not be copied, modified, reproduced, transmitted or published in any form.

Please read this manual carefully before using the product, and operate in accordance with the manual, otherwise, the company will not be responsible for product damage or personal and property damage caused by improper use or mistakes

## **General Info**

### **Assembly and Fit**

Correct assembly and fit are essential elements of ensuring your bicycling safety,



performance, and comfort. Even if you have the experience, skill, and tools to complete these essential steps before your first ride, Senada Bikes recommends having a certified, reputable bike mechanic check your work.

NOTICE: If you do not have the experience, skills, or tools to complete assembly and operation, Senada Bikes highly recommends having a certified, reputable bike mechanic complete these procedures as well as any future adjustments or tuning operations.

NOTICE: A critical aspect of assembling your bike by Senada Bikes is securing the front wheel and checking the tightness of the rear wheel axle nuts. These mechanisms may become loose or unsecured during shipment or over time. The torque and security of all-wheel mounting hardware should be inspected upon arrival and on a regular basis. Both wheels need to be properly secured before operating your bike.

### [Mandatory Equipment and Use Locations](#)

Before all rides, ensure you have all required and recommended safety equipment and are following all laws pertaining to using an electric bike in your region.

### [Changing Components or Attaching Accessories](#)

The use of non-original components or spare parts can jeopardize the safety of your e-bike, void your warranty, and, in some cases, cause your e-bike to not conform with laws pertaining to your bike.

### Safety Check Before Each Ride

Always check the condition of your bike before you ride in addition to having regular maintenance performed. If you are unsure of how to conduct a complete check of the condition of your bike before every ride, you should consult a certified, reputable bike mechanic for assistance.

### Electrical System

The electrical system on your e-bike offers various levels of power assistance and lighting for different operating conditions and user preferences. It is critical that you familiarize yourself with all aspects of your bike's electrical system and check to see that it is working correctly before every ride.

The front and rear brake levers contain safety power cutoff switches, which disable the hub motor's assistance when applied, and both levers should be checked for correct operation. The throttle should provide smooth acceleration when gradually applied.

If the throttle, brake lever cutoff switches, pedal assistance, or lighting are functioning abnormally, intermittently, or not working, please discontinue using your e-bike immediately and contact the Senada Bikes Support Team for assistance.

## Brakes

Ensure brakes are working correctly, all braking system components are free from damage and properly secured. When you fully squeeze the brake levers, ensure neither the front nor rear brake levers touch the handlebar. Take your bike to a certified, reputable bike mechanic to have the brakes repaired if you find a problem.

## Tires and wheels

Your wheels should always spin straight and must be repaired or replaced if they wobble side to side or up and down when spinning. If your wheels become untrue or the spokes loosen, which can happen with normal use, we recommend that a certified, reputable bike mechanic performs all wheel tuning and truing operations on your bike from Senada Bikes.

Do not attempt to true wheels or tighten spokes unless you have adequate knowledge, tools, and experience. Ensure the tires and inner tubes are in good working condition

without any visual damage and have the correct amount of air pressure. Always replace tires and inner tubes with punctures, cuts, or damage before you ride, in case of tire and component wear, and make your riding unsafe.

### Quick Release Levers

There is a quick-release lever located on your e-bike for securing the seat tube. This provides convenience to the user since they allow the seat tube to be adjusted without tools. Since quick-release levers can be loosened during transportation, or accidentally between or during rides, it is important that you regularly check to ensure these components are properly secured.

### Accessories, Straps, and Hardware

Ensure all hardware is secured and all approved accessories are properly attached per the specific component manufacturer's instructions. It is good practice to look over all hardware, straps, and accessories before each ride and if you do discover something is wrong or find something you are not sure about, have it checked by a certified, reputable bike mechanic.

### Suspension, Handlebar, Grips, and Seat Adjustments

The suspension fork on your e-bike will affect the handling of the bike, you need to understand how it works before use. The suspension fork should be properly adjusted for your weight and terrain. Ensure the handlebar and handlebar stem are properly aligned, fitted to the user, and secured to their recommended torque values. Handlebar grips should not move easily on the handlebar end.

Loose, worn, or damaged handlebar grips should be replaced before you ride and can be purchased from Senada Bikes. The seat and saddle tube should be properly aligned, and fitted to the user, and the saddle tube quick release should be properly tightened, fully closed, and secured before riding.

### Battery Charged, Secured, and Unplugged

Ensure the battery is adequately charged and operating properly. The battery gauge on the LCD display and the charge status indicator on the battery should read similarly. Ensure the battery charger is unplugged from the outlet, battery, then stored in a safe location before you ride.

## Function introduction:



Figure1



Figure2

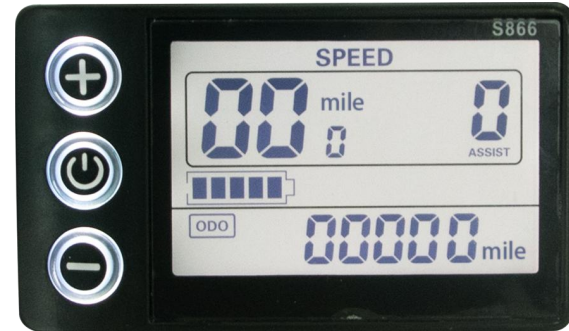



Figure 3

**1. Charging:** Push and turn the plastic cover on the battery (**Figure 1**), connect the charger to start charging, when the battery indicator light on the charger turns from red to green, the battery is fully charged.

2. **Power on:** Refer to **Figure 2**, turn the key on the battery; refer to **Figure3**, **press and hold**  to turn on/off the display.
3. **Power display:** After the power is **turned on**, the dashboard lights up to display the power. The power is displayed in 5 grids, corresponding to high, medium and low power.
4. **Front light:** Refer to **Figure 3**, press and hold **“+”** to turn on/off the headlight.
5. **Start the Pedal assisted riding mode:** Short press **“+”** to set the PAS from 0 to 1, pedal the bike to start the power assist mode. If you don't need power assistance, you can turn off the power or turn off the battery or set the PAS to 0. Please always start riding from lower PAS level.

## Product parameters:

	Parameter	Standard Version
Outlook &Dimension	Body Material	Steel
	Color	Black / White
	Unfolding Size	1650mm*570mm*1180mm
	Folding size	900mm*400mm*770mm
	Hub Form	Spoke wheel
	Wheel Size	20 inches
	Packing Size	940mm*380mm*745mm
Performance Parameters	Gross weight /Net weight	35.48kgs/29.3kgs
	Maximum Load	120kg
	Maximum Speed	25mph
	Range	≦ 28 miles(electric mode) ≈65miles(pedal assist model)
	Maximum Climbing Angle	25 degree
	Proper Temperature	-10°C-45 °C (14°F -113°F)
	Waterproof Level	IP54
	Battery Type	18650 lithium-ion power battery



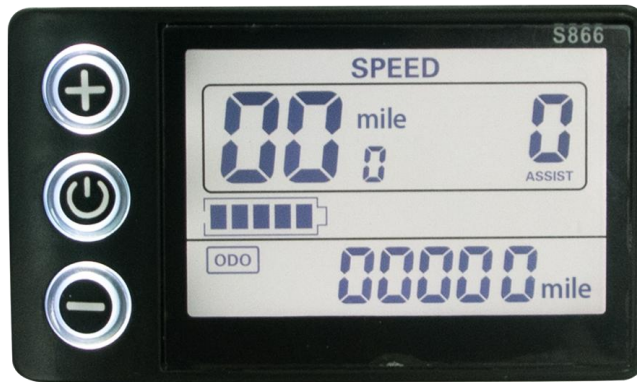
Electrical Specifications	Battery Capacity	14ah
	Battery Rated Voltage	48V
	Motor Rated Power	500W
	Motor Form	Assist mode,pure electric mode
	Motor Type	20 inches / High-speed gear / Spoke wheel brush-less motor
	Motor Rated No-Load Speed	390±10r/min
	Charger Output	54.6V 2.0A
	Charger Input	100~240V 50/60Hz 3.0A
	Under voltage Protection Value	39V
	Over current Protection Value	20A±1A
	Charging Time	7.5 hours
Features	Instrument Display	Multifunctional LCD screen
	Front Lighting	YES
	Braking Method	Front disc brake + Rear disc brake
	Tire Specifications	Pneumatic tires Tire: 20×3.0

		Air Valve: 20×3.0, the inner tube valve is AV
	Front Fork	Suspension front fork
	Gear	7 Speeds transmission

**Note:** The factors, including battery power capacity, load, tire pressure, road conditions, chain and lubrication between wheel and axle, etc. will affect the maximum speed; the cruising distance indicated in this manual file is the test result from the riding test conducted uninterruptedly with a load of 60 kg, at the speed of 7-25mile/h for US, and on the flat and hardened road surface, from full charge to full power consumption. Driving habits, temperature, load, tire pressure, road condition, and other factors will affect the actual cruising distance.

## Display control instrument

LCD display



## **1. Display function**

Speed display, power assist display, power indicator, error code, mileage display, voltage display, 3.75mph push assist, cruise control, single boot time, brake indication, and headlight display.

## **2. Control set function**

Power switch control, headlight switch control, 3.75 mph push assist setting (WALK mode), cruise control setting, 5 gear speed setting, speed display.

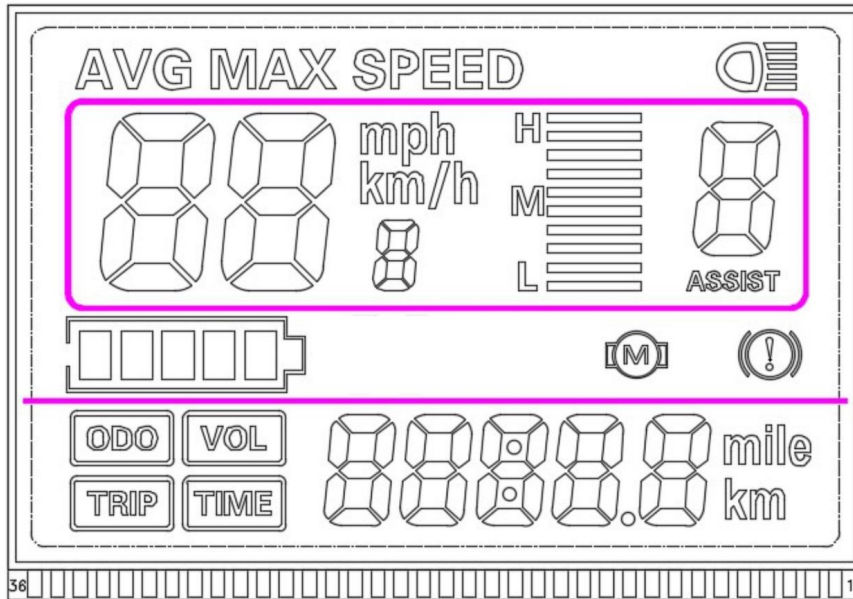
Lever 1: around 7mph

Lever 2: around 12mph

Lever 3: around 17mph


Lever 4: around 21mph

Lever 5: around 25mph

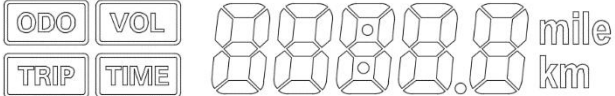


All contents of the display screen (full display within 1s after booting)

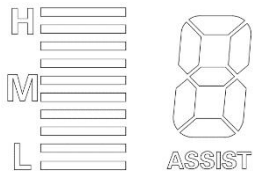
## Display content introduction

1. Headlight 

2. Battery power display 

3. Multifunctional display area 

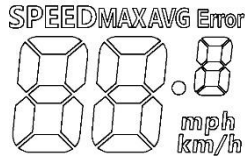
Total mileage ODO, single mileage TRIPA (unit: mile, km), current voltage VOL, single boot time TM.

4. power-assisted level adjustment
- 

0-5 digital display and level bar display.

5. E-bike status display area
- 

(Cruise: booster, Walk: 3.75mph) walk assist mode



6. Speed display area

Current speed SPEED, maximum speed MAX, average speed AVG in mph or km/h. The instrument will calculate the real speed according to the wheel diameter and signal data.



6. Status

display area Error

motor error brake

Instrument Status Code Meaning:

Status Code	State Meaning
E00	Normal Status
E06	Battery Under voltage



E07	Motor Failure
E08	Handlebar Failure
E09	Controller Failure
E10	Communication Reception Failure

Please contact Senada Bikes Support team if you have further questions about the error codes.

### **Button introduction**



The specific combination of buttons:



Use Introduction button operation is divided into short press and long press.

Specific operation explanation:

I、 Switch LCD (please turn the battery key to the "on" section first)

1. At the off state, press and hold the  button to turn the display on;
2. At the power-on state, press and hold the  button to turn it off.

II、 Change the pedal assist levels

1. Short press the “+” button to increase the pedal assist level from 0 to 5
2. Short press the “-” button decrease the pedal assist level from 5 to 0

### III、 Switch speed display content

1. Long press the “+” and “-” buttons at the same time to switch the display between the average speed, the maximum speed and the instantaneous speed.

### IV、 Set/release 6Km/h (3.75mph) WALK mode, cruise control, and the headlight

1. When the bike is stand still and ready, press and hold the “-” button to enter the 6KM/h (3.75mile/h) boost cruise mode. Press any brake lever to exit this mode.
2. When the bike is in the power-assisted running state (during riding), press and hold the “-” button to enter the cruise control mode. Press any brake lever or turn the throttle to exit cruise mode.
3. Press and hold the “+” button to turn the headlight on or off.

**Note:**

1. Due to the upgrade of the company's products, the display content of the product you get may be different from the manual, but it will not affect your normal use. Everything is subject to the real object, and the company reserves the right of final interpretation.
2. The parameter settings of the instrument have been set in the factory. Please operate according to the instructions in the manual, and do not change the original settings of the instrument. The company is not responsible for any abnormal function or function damage caused by not following the instructions in the manual.
3. Do not immerse the instrument in water, or use a water spray to clean the meter. When cleaning, wipe with a soft cloth dampened with water. Do not clean it with any

chemical cleaning product.

4. Do not dispose of the instrument or any other E-bike accessories as resident waste. Please comply with local laws and regulations and dispose of or recycle E-bike accessories in an environmentally friendly manner.

If you have questions after reading this manual, please feel free to contact Senada Bikes Support Team.

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The current version update time: June 2024