



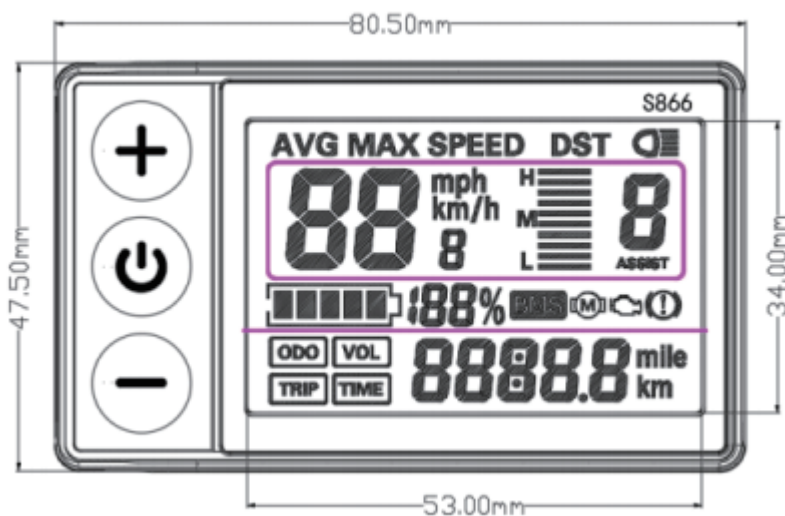
Jansno Electric Bike Store

Display User Manual



I. Appearance size and material

Product shell for ABS, LCD transparent window for the import of high hardness acrylic, hardness value equivalent to tempered glass



II. Working voltage and wiring mode

- 1、Working voltage: DC24V, 36V, 48V, 60V compatible
Other voltages can be customized.
- 2、Wiring method.

Standard connector wire sequence

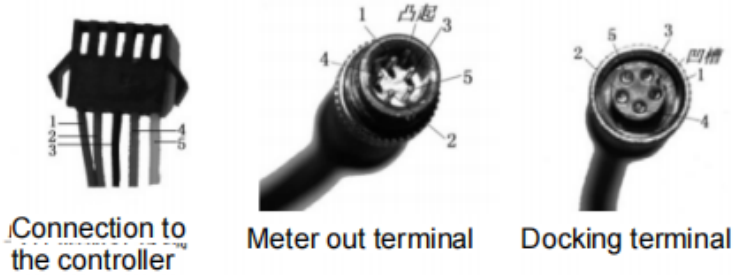


Table: Standard connector wire sequence table

Standard wire sequence	Standard wire color	Function
1	Red (VCC)	Instrument power cord
2	Blue (K)	Power control cable for controller
3	Black(GND)	Instrument ground
4	Green(RX)	Data collection line of the instrument
5	Yellow(RX)	Data transmission line of the instrument

Note: Some products have waterproof connectors for the leads, so the user cannot see the color of the leads inside the wire harness.

III. Functional description.

Function.

1、Display function

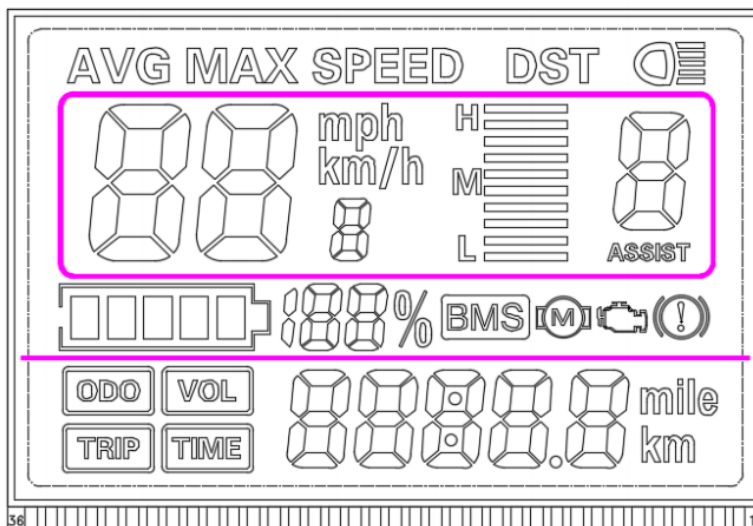
Speed display, power indication, fault indication, total mileage, single mileage

2. Control and setting functions

Power switch control, wheel diameter setting, idle automatic sleep time setting, backlight brightness setting Start mode setting, drive mode setting, voltage level setting, controller current limit value setting.

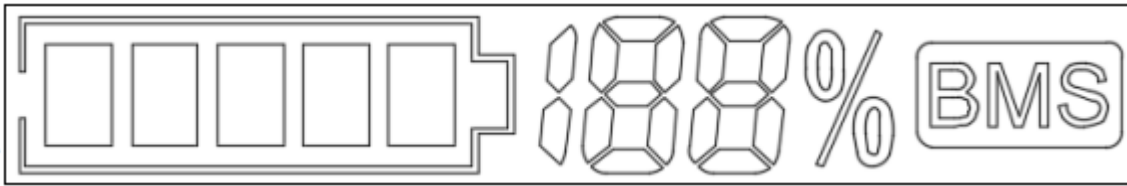
3. Communication protocol: UART

All contents of display screen (full display within 1S of power on)

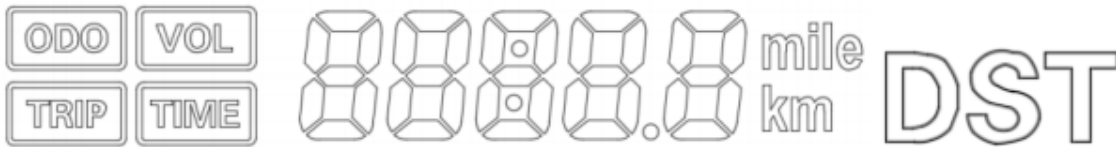


Show content introduction

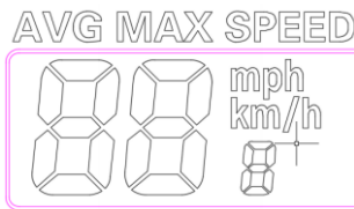
3.1 Battery level and BMS remaining power display



3.2 Multifunctional display area



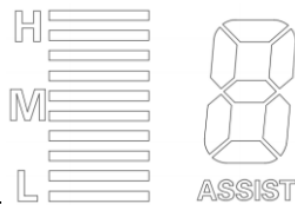
Total mileage ODO, single mileage TRIP (unit: mile, km), single start time TIME, battery Voltage VOL, DST: range



3.3 Speed display area

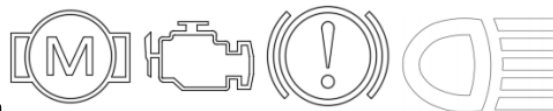
AVG: average speed, MAX: maximum speed, SPEED: current speed; units Mp/h, km/h The speed signal is taken from the Hall signal in the motor and sent to the meter via the controller (time of a single Hall cycle in 1 MS). (time of a single Hall cycle in 1MS) The instrument will calculate the true speed based on the wheel diameter and the signal data (the motor Hall also needs to set the number of magnets). The instrument calculates the true speed based on the wheel diameter and the signal data (the motor Hall also requires setting the number of magnets).

3.4 Vehicle power gear adjustment display.



0-9 digital display and gear bar

3.5 Vehicle status display area



:Motor failure : Failure. :brake alert. :Headlight on alert;

4. Settings

P01: backlight brightness, 1 level darkest, 3 levels brightest.

P02: Mileage unit, 0: KM; 1: MILE.

P03: voltage level: 24V, 36V, 48V, 60V, 64V default 36V.

P04: Sleep time: 0, no sleep; other numbers are sleep time, range: 1-60; unit minutes.

P05: Boost gear: 0, 3 gear mode
1, 5 gear mode

P06: Wheel diameter: unit, inch; precision: 0.1.

This parameter is related to the speed displayed by the instrument and needs to be entered correctly.

P07: Number of speed measuring magnets: range: 1-100.

This parameter is related to the speed displayed by the instrument and needs to be entered correctly.

If it is an ordinary hub motor, the number of magnets is entered directly.

If it is a high-speed motor, you also need to calculate the reduction ratio, input data = number of magnets × reduction ratio.

For example: motor magnet number 20, reduction ratio 4.3: input data: 86=20×4.3

P08: Speed limit: range 0-100km/h, 100 means no speed limit.

The input data here indicates the maximum running speed of the vehicle: for example, input 25, which means the maximum running speed of the vehicle will not exceed 25km/h.

For example, input 25, means the maximum running speed of the vehicle will not exceed 25km/h; the driving speed will be maintained at the set value, error: ±1km/h; (power and turnbuckle are speed limit)

Note: The value here is based on kilometers, when the unit setting is converted from kilometers to miles, the speed value in the display interface will be automatically converted to the correct mileage value, but the speed limit value data set in this menu under the mileage interface will not be converted and will not be consistent with the actual displayed mileage speed limit value.

Note: P09-P15 menus are only valid in the communication state

P09: Zero start, non-zero start setting, 0 : zero start; 1 : non-zero start

P10: drive mode setting

0 : assist drive (determine how much assist is output by assist gear, at this time turnbuckle is invalid).

1: Electric drive (driven by the turnbuckle, at this time, the power gear is invalid).

2: Power drive and electric drive coexist at the same time

P11: Boost sensitivity setting Range: 1-24.

P12: Power start intensity setting Range: 0-5.

P13: booster magnet disk type setting 5, 8, 12 grain magnet three types

P14: Controller current limit value setting Default 12A Range: 1-20A

P15: Controller undervoltage value

P16: ODO zero setting Long press the upper key for 5 seconds ODO zero setting

P17: 0: no cruise enable, 1: cruise enable; auto cruise optional (only valid for protocol 2)



P18: Display speed proportional adjustment Range: 50%~150




P19: 0 gear enable bit, 0: with 0 gear, 1: without 0 gear

P20: 0: Protocol No. 2 1: 5S protocol 2: Standby 3: Standby

IV. Key Introduction.




1、 In the off state, long press  key to turn on the phone; after the power on  boot key, the interface is switched between ODO, TRIP, VOL, TIME.

2, the power on state, long press the  key to shut down, short press the  key, power gear + 1, short press the  key, power gear - 1.


3、 Long press the  key+  key to enter the mode setting

Parameter value modification: In a certain parameter state, short press  key to switch

parameters, short press  key to increase the value, short press key to decrease the

value. After modification, short press  key to switch to the next parameter and save

the previous parameter value; after parameter modification, long press  key +

 key again to exit the setting interface, such as If you do not press the key, wait for 8 seconds to exit automatically and save the parameters.

Instrument ebike error status code meaning		
Status code	State meaning	Reason
E00	Normal status	After the failure of the vehicle during this operation was repaired
E02	Brake failure	Try unplugging the left brake plug and see if E02 disappears, if you unplug the right brake plug, will it disappear? Finally confirm which brake lever is the problem and contact professional customer service for replacement: Brake lever
E06	Battery undervoltage	Battery drain
E07	Motor failure	①The motor wire plug is loose ; ②The motor is damaged ;
E08	Handlebar failure	①The turning handle is back to the original position before starting up ; ②The plug is loose ; ③The turning handle is damaged ;
E09	Controller failure	Controller is damaged
E10	Communication (reception) failure	①Check the condition of the plug ; ②The controller is damaged ; ③The electric door lock of the meter is damaged ; ④Check whether all the components that use the 5V voltage are damaged.
E11	Communication (send) failure	①Check the plug condition ; ②The meter is damaged
E30	Communication fail	The P20 setting item is set to 0 (when this fault occurs in the No. 2 protocol)

Note: Please don't change too many parameters to avoid setting errors and restoring the factory settings, normally you only need to adjust the following parameters after receiving the bike

P01 is to set the brightness, you need to darker on the choice of 1 need to light on the choice of 3

P02 is to set 1 switch to MPH

P03 select 48V

P06 setting 20

Other settings don't need to be changed.

If you have set up the wrong settings and need to reset, follow the instructions in **P16** to reset the system.

Note: Due to the upgrade of the company's products, you may get the product part of the display content will be different from the instructions. But it will not affect your normal use.

Website: www.jansno.com