

Operation instructions

EN

Functions & features

- Functions**
1. Speed meter (0~99.9Km/h/MPH)
 2. Trip(0~99999.9Km/Mile)(reset from 0)
 3. ODO(0~99999.9Km/Mile)(restart from 0)
 4. AVG SPEED(0~99.9Km/h/MPH)(reset from 0)
 5. MAX SPEED(0~99.9Km/h/MPH)(reset from 0)
 6. Time(0~99:59:59)(restart from 0 or reset from 0)
 7. Assist level 0~9
 8. 6Km walk
 9. Battery indicator

Features

1. Backlight brightness adjustable
2. Error code indicator
3. Suitable for low temperature, Min -28°C
4. Product shell is ABS, transparent window is made with high strength Acrylic
5. Separate button, easy to operate
6. Water resistance Ip65

Measuring and display function

SPEED: The riding speed

AVG: Average speed, 0~99.9Km/h (MPH)

MAX: Maximum speed, 0~99.9Km/h (MPH)

Trip: Trip distance (0 ~ 99999.9 Km/Mile)

ODO: Total distance (0~99999.9Km/Mile)

Time: The riding time

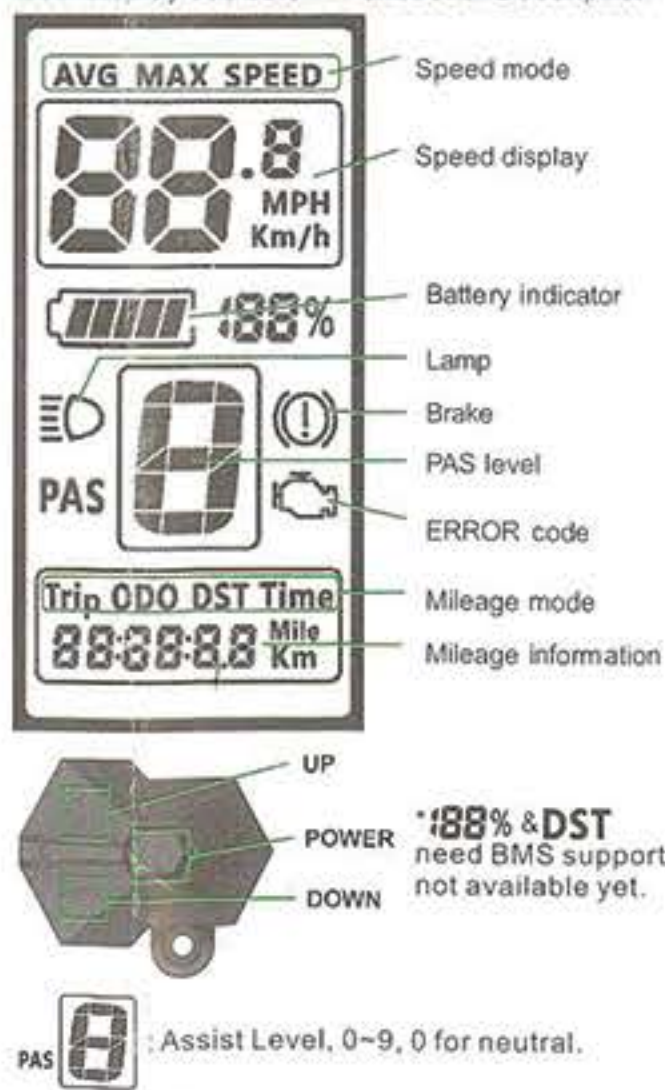
: Battery indicator; it will not fluctuate with the motor on/off.

: Headlamps & backlight indication.

: Error code indicator.

: Brake indicate the maintain information according to the battery cycle times and ODO.

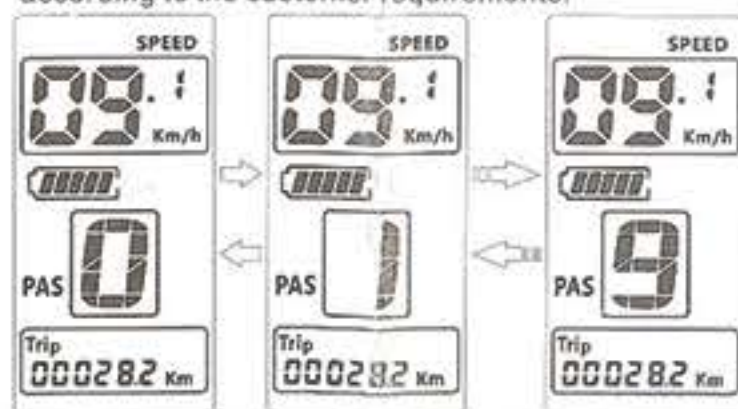
LCD display see below: Functional Description



Operation:

1. Power On/Off: Press and hold **Power** button for 1.5 seconds can turn on/off the Display. The Display can automatically shut down when there is no operate & ride for n minutes (n could be 0~9).

2. Assist level operating: Short press **UP/DOWN** button can change the assist level. Top assist level is 9, 0 for neutral. Level quantities can be adjusted according to the customer requirements.



3. Speed mode switch & Mileage mode switch:

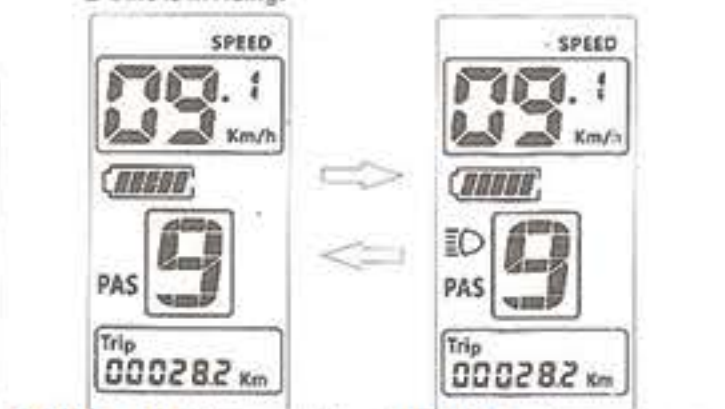
Short press **POWER** button can change the speed mode & the mileage mode. **Speed->AVG Speed->MAX Speed->Trip->ODO->Time**



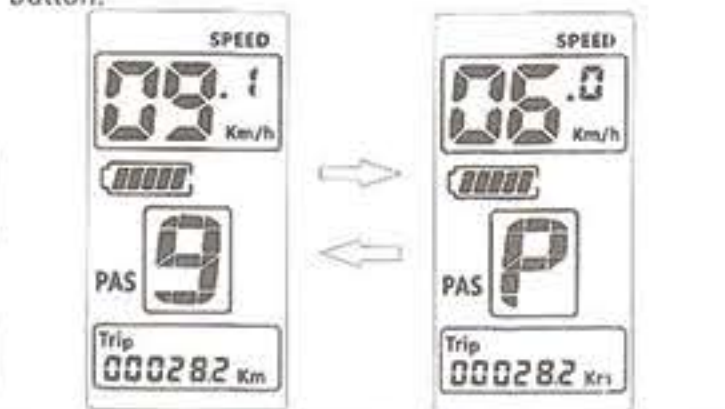
Note: If there is no operation for 5 seconds, the meter will return Speed (Real-Time) display automatically.

4. Headlight/backlight On/Off: Press and hold **UP** button for 1.5 seconds can turn on/off the headlight/backlight.

Note: The motor does not work when the battery voltage is low. Display still can keep the headlight on for a while when E-bike is in riding.



5. 6km walk: Press and hold **DOWN** button can get into 6km walk mode, out of the mode when release the button.



Note: this function needs the support of controller.

6. Data clean: Press and hold **UP & DOWN** buttons for 1.5 seconds can reset several temporary data, include AVG Speed / MAX Speed / Trip / Time.

Note: Meter will not erase these data when power off.

7. Parameter settings

Double press **POWER** button (press interval less than 0.3 second) can get into parameter setting state, the parameter twinkles. Short press **UP/DOWN** button to change the parameter values, short press **POWER** button can switch to the next parameter. Double press **POWER** button (press interval less than 0.3 second) can quit from the parameter setting state. The meter will automatically quit the parameter setting state when there is no operation for 10 seconds.

The order of parameters is as follows.



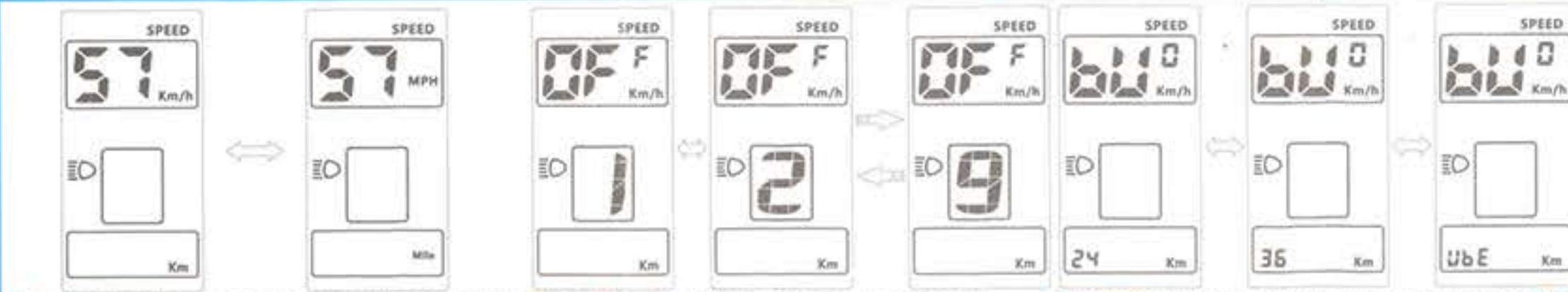
Warning: don't change the following parameters if you are not sure

* The location of speed display symbol **Wd**, this is the wheel diameter, wrong wheel diameter will cause speed abnormal.

* The location of speed display symbol **bU0**, this represent the battery parameter, wrong parameter can cause battery indication abnormal.

Kilometer / Mile: The location of speed display symbol **S7**, press **UP/DOWN** button rotate display the symbol **km/h / MPH** (Km/Mile).

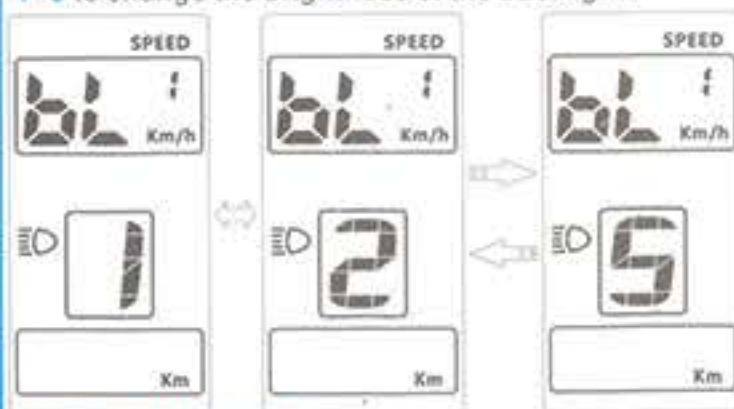
Operation instructions



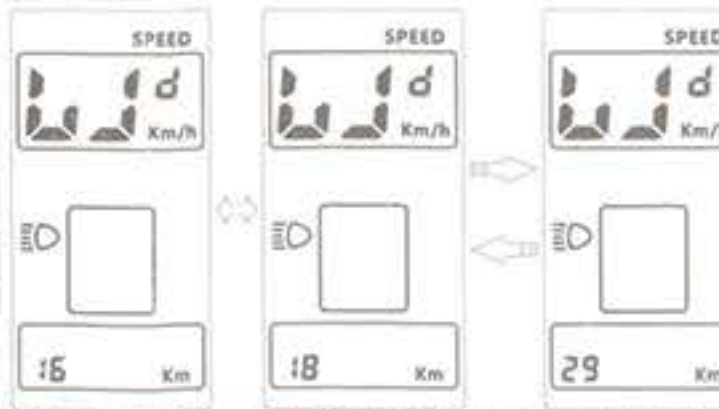
Backlight brightness: The location of speed display symbol **bL1**, press **UP/DOWN** button display symbol **1~5** to change the brightness of the backlight.

Wheel diameter: The location of speed display symbol **Wd**, press **UP/DOWN** button rotate display symbol **16/18/20/22/24/26/700C/28/29**, value represents the diameter, of the wheel (inch). Wrong value for wheel diameter will cause speed & mileage abnormal.

Password: The location of speed display symbol **Ps**, require to input passwords, press **UP/DOWN** button to change the password value (0~9), short press **POWER** button to switch the password item, password is 4 digits, the default password is "1919". Press **POWER** button when password adjustment is completed. Meter will return to the **Voltage set** item if the password is incorrect. Correct password will enter the **Speed limit set** item.

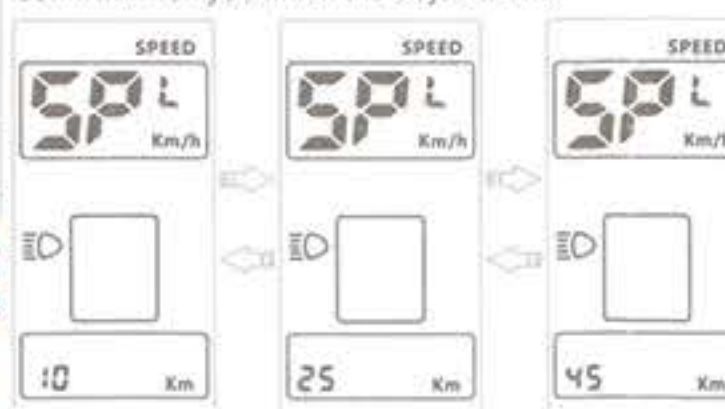


Auto off delay time: The location of speed display symbol **OFF**, press **UP/DOWN** button display symbol **1~9**, represent automatically shutdown delay time (minutes), default value is 5



Battery Voltage set: The location of speed display symbol **bU0**, press **UP/DOWN** button rotate display the symbol **24/36/UbE**. **UbE** means user-defined voltage setting, this parameter can be set through computer.

Speed limit set: The location of speed display symbol **SPL**, the location of mileage display speed limit value, the default value is 25 km/h. Press **UP/DOWN** button to modify the value, the value can be set from 10 to 45 km/h. Press **POWER** button to confirm when you finish the adjustment.



Note: The maximum speed is restrict by the motor and controller, probably couldn't reach the setting value.

Trouble shooting

Black display: Temperature is too high or too low. Exposed too long in sunlight directly. No Back-light or too dark: Reset the backlight brightness.

Electrical Parameters

- 24V/36V battery supply
- Rated operating current : 10mA
- Max operating current : 30mA
- Off leakage current < 1uA
- Operating temperature : -28~70°C
- Storage temperature : -40~70°C

Precaution

1. This meter can be used in the rain but should not be started or used under water.
2. Don't leave the main unit exposed to direct sunlight when not riding the bike.
3. Don't disassemble the meter or the accessories.
4. Don't use thinner, alcohol or benzene to clean the meter or the accessories when they become dirty.
5. Do not concentrate on meter while riding. Safety first

Error Code define

800S meter can give warning message when E-bike exist error, LCD display icon and the error code in speed position, error code is from 01 E-07 E, the definition see the table below.

| Error Code | Error description | Handle |
|------------|-------------------------|-------------------------------------------------------|
| 01E | Communication Error | Check the cable connection |
| 02E | Controller protection | Check three-phase power line |
| 03E | three-phase power error | Check three-phase power line connection |
| 04E | Battery low | Charge the battery |
| 05E | Brake error | Check the brake connection |
| 06E | Turn error | Check turn to connect |
| 07E | Hall error | Check the hall connection |
| 08-99E | Reserved | Please contact the manufacturer for error definitions |

