

LCD Display Manual



1. Parameters

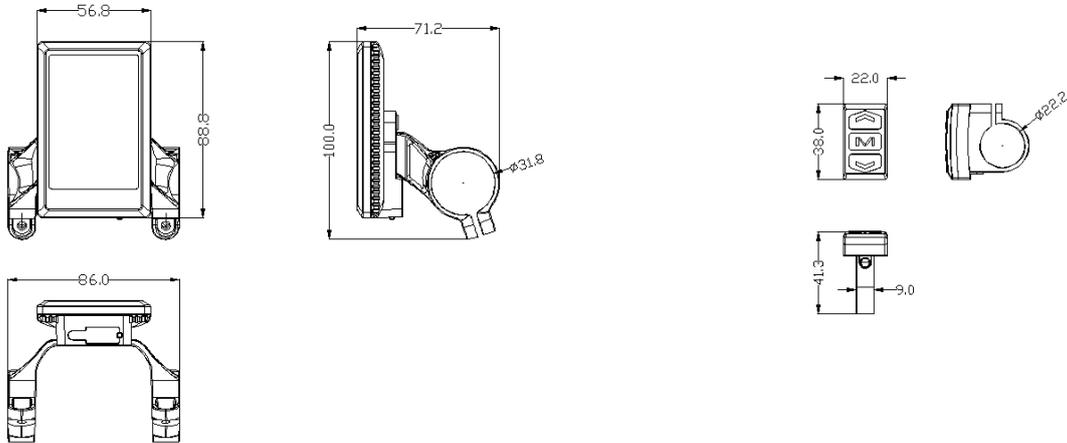
- 3.2 inch color TFT screen
- 48V/60V/72V power supply
- Shutdown leakage current <1Ua
- Supply controller terminal operating current 100mA
- Normal operating temperature of the instrument -20~65° C

2. Appearance size and material

- The instrument case is ABS, black, transparent lens is ordinary acrylic, high hardness, with protective film



➤ Size:



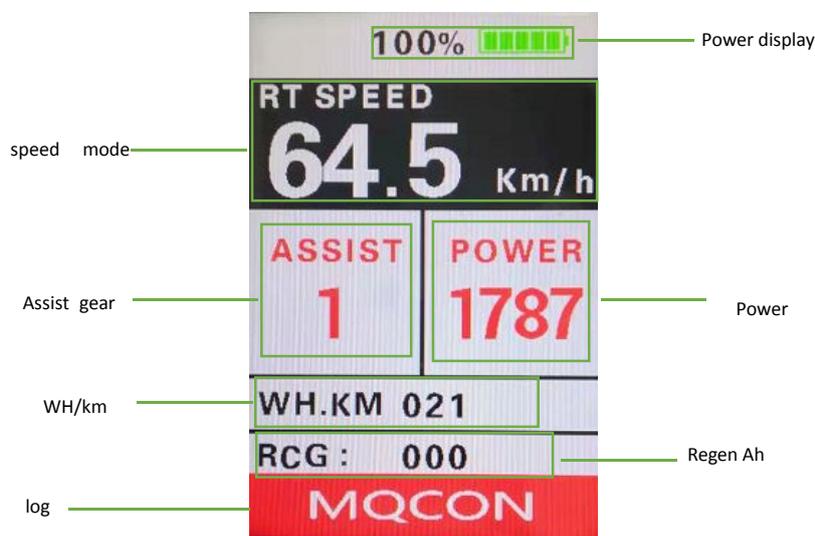
- Bracket conversion ring optional specifications: Φ 22.2mm。

3. product description

- 3.2 inch color TFT screen;
- The external button meets the ergonomic requirements and is comfortable to operate;
- LCD screen and components use temperature is $-25 \sim 70^{\circ} \text{C}$;
- Speed display: real-time speed RT SPEED, maximum speed MAX SPEED, average speed AVG SPEED;
- km/mile: can be set according to user habits;
- Battery indicator: Provides a stable power display through the optimization algorithm, the power is not affected by the motor stop;
- Backlight brightness level 5 adjustment: can be set according to user habits, level 1 darkest level 5 is the brightest;

- 9-speed control: can be set according to user needs, 3/5/9 files;
- Mileage: accumulated mileage ODO, single mileage Trip, cruising range Time;

4. LCD display instructions



- Battery display: 5 segments of power indication, the voltage value of each segment can be set according to customer requirements;
- Speed mode: real-time speed RT SPEED, maximum speed MAX SPEED, average speed AVG SPEED;
- Speed display: display range 00.0. ~ 99.9, unit Km / h km per hour, MPH miles per hour;
- Assist gear position: 0~9 files, of which 0 gear is neutral and

no boost, 1~9 corresponds to boost gear, and P is displayed in 6Km
push mode;

- Headlight display: displayed when the headlights are on;
- motor temperature: monitor motor temperature in real time;
- Mileage mode: cumulative mileage ODO, single mileage Trip,

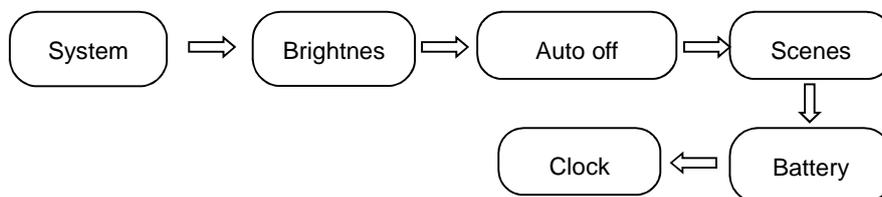
cruising range Time, display range 1000 ~ 0.0Km / h;

- WH.KM: the controller power consumption ,wh/km
- Motor temperature.
- Regen Ah:Cumulative Ah while controller in regen mode .
- Clock: Built-in battery, user set up;
- Clock: Built-in battery, user set the year, month, day, hour,

minute and second.

5. MENU parameter setting

5.1 Display settings:



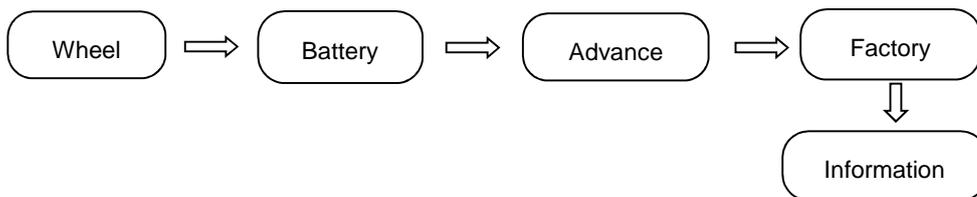
✧ Clock setting: **Clo** System Metric: press **M button** select **Metric** display, set metric.

✧ Backlight brightness: **Brightness item**, press **up/down button** Gear

selection, 1~9, 1 is Darkest, 5 is brightest。

- ✧ Auto power off time: **Auto Off item**, press **up/down button** Gear selection 1~5min, stands for automatic shutdown minutes, default is 5min。
- ✧ **ck item**, press **M button** Enter the clock setting interface, press **up/down button** Select adjustments: year, month, day, hour, minute, second, Set up selection BACK, short press **M** Back to previous。

5.2 Basic Setting:

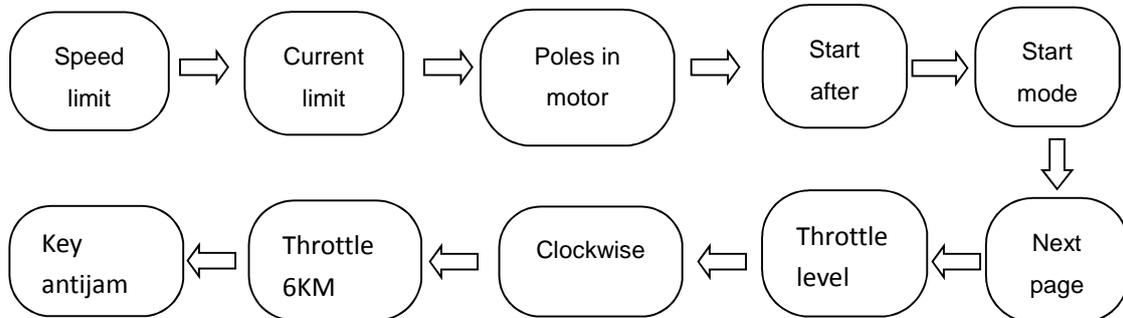


Remark: Move the red arrow down and short press the M key to display all the items in the basic settings.

- ✧ **Wheel diameter selection: Wheel item**, press **up/down** Switch display **0—50**; Incorrect wheel diameter selection can cause speed anomalies.
- ✧ **Voltage selection: Battery item**, press **up/down** Switch display **48V/60V/72v**。
- ✧ **Wheel advanced settings: Advance setting item**, shortly press M enter **Advance Setting Password interface**, press **up/down** Switch display **BACK /Input Password**, The password is 3 digits and the

default password is "359"

If the password is entered correctly, enter the Advance Setting submenu interface. The project icon is as follows:



➤ Assist level: 3/5/9;

➤ Speed limit adjustment:

Remark: the speed limit setting should set the parameter from the MQCON controller app ,not from LCD display

➤ Current limiting:

Remark: the current limit setting should set the parameter from the MQCON controller app ,not from LCD display

➤ Motor speed magnet: The speed sensor magnet number defaults to 8. Press the up/down button to adjust the magnet value. The minimum is 0 and the maximum is 10.

➤ Start the magnetic steel: It means that several magnetic steels are activated. Press the up/down button to adjust the magnetic

steel value 1/2/3, the default value is 3.

- Slow start mode: Press the up/down button to select the slow start parameter mode Pow/ECO/STD, Pow for the fastest start assist, ECO for energy saver, and STD for standard start (default). This feature requires controller support to take effect.
- Clockwise Power Direction: Represents the direction of the booster sensor (speed sensor). Press the up/down button to select Y/N, Y for forward start (default), and N for reverse start.
- **Start password item, short press the key to enter the power-on setting password interface, press the up/down button to adjust to the Start input item to select OFF/ON, that is, turn off the password to turn on the power or turn on the password to turn on; if the password is required to turn on, select ON to set the password value. Take 1234 as an example to set the power-on password, press the up/down button to adjust the value, select BACK and press the key to return to the previous level.**

Note: You need to enter a password to enter the instrument work display interface when the power is turned on again, the time limit is 30 seconds. The meter will automatically shut down without entering the correct password. The instrument will automatically shut down after entering the password for 3 times. Press and hold

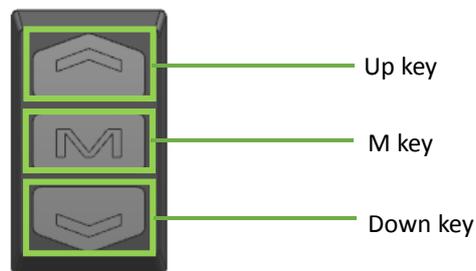
the key meter to turn off when you enter the password.

✧ **Information display: Information item, click to enter the Information interface, display the speed mode and mileage mode value information.**

➤ Product information display: Product infor item, click to enter the Product information interface, display Version hardware (Hardware ver.) and software version number (Software ver.), product production date (Date) and serial number information (Serial No).

➤ Battery information display: Battery infor, click to enter the Battery information interface, display the actual battery voltage (Voltage), battery capacity (Capacity), Cycle times (Cycle times), battery health (Health), battery internal temperature (Temperature), Remaining Capacity, Full Charge Capacity, Initial Capacity, Max Charge Times。

6. Key Function



➤ **Switch function:**

Press and hold the M button for about 2 seconds to turn it on and

off.

➤ **Day/Night Mode Switch:**



In the main interface, long press “Up” to enter the switch day/night mode, the LCD tone will be adjusted to night mode, and the headlights will be turned on automatically.

➤ **gear shift:**

In the main interface, short press “Up” and “Down” to switch gears.

➤ **Speed mode switching**

In the main interface, first press the “M key” to enter the speed display mode switch, then press the “Up” or “Down” button to switch the display in turn: real-time speed (RT), maximum speed (MAX), average Speed (AVG).。

➤ **Mileage mode / runtime switching**

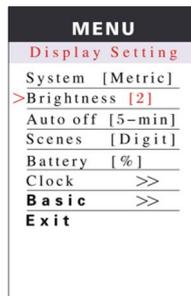
Press “M” again to enter the ODO/Trip/Time switching mode, which displays: total mileage, single mileage, current running time (note that the bottom row is the real-time clock).

➤ **Parameter setting**

1). Press and hold the “Up” key + “Down” at the same time to enter/exit the setting parameters.

2). In the setting interface, the leftmost red cursor arrow is used to

indicate the position of the currently set parameter.



3). Short press the M key, the setting parameter value on the right side of the current line turns red, enter the parameter modification mode, short press the up and down keys to change the setting parameters, press the M key again, exit the current parameter modification mode, enter the parameter switching/selection mode, short Press the up/down keys to move the current setting parameters up and down.

4). At the bottom of the setup parameters, there are EXIT, Basic (other pages have Display, etc.). Under this parameter, short press M to enter/exit the lower level or current level menu.

remark: 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.

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