bigstone

C600E-LCD Instructions

Nanjing Bigstone Electronic & Technology co.,Ltd

CONTENT

Address：NO.38 Ningliu Road, Pukou District, Nanjing City, China   page 1

Tel：025-89618445

Fax：025 – 58849541

Email: bigstone.ebike@gmail.com
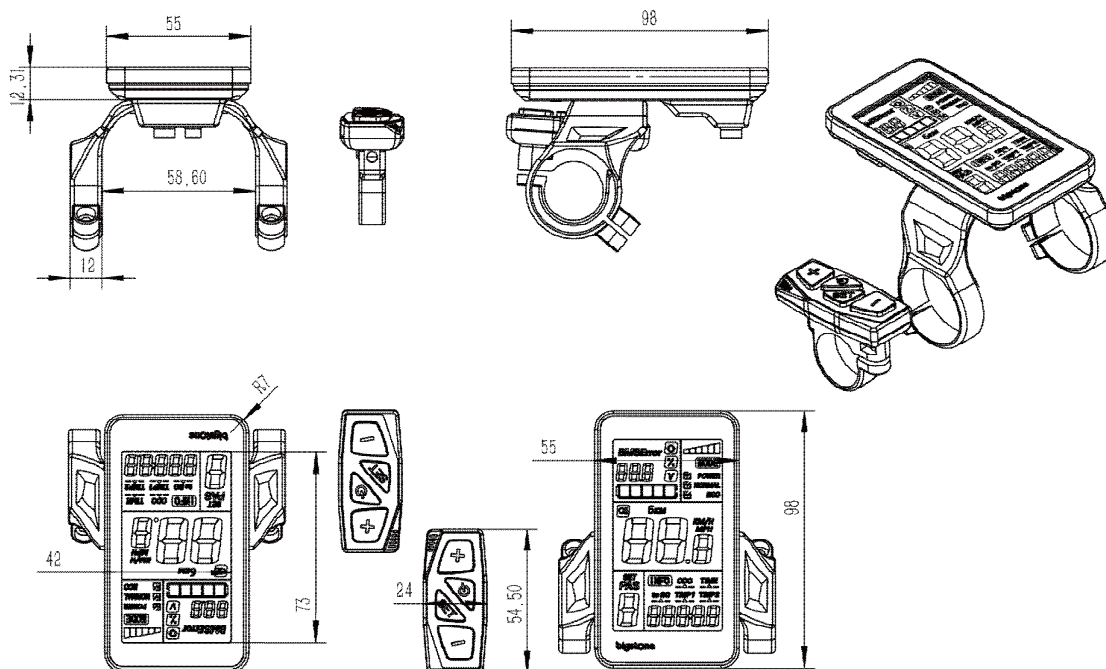
ABOUT THE USER MANUAL

Dear users,

To ensure better performance of your e-bike, please read through the C600E-LCD product introduction carefully before using it. We will inform you all the details concisely（including hardware installation, setting and normal operations）when using our display. Meanwhile, the introduction will also help you solve possible confusion and malfunction.

OUTLOOK AND SIZE

MATERIAL AND COLOR

C600E products are made of black PC material. Under the temperature of -20 to 60℃, the shell material can ensure normal usage and good mechanical performance of the products.

Dimension figure (unit: mm)

Address：NO.38 Ningliu Road, Pukou District, Nanjing City, China
Tel：025-89618445
Fax：025－58849541
Email: bigstone.ebike@gmail.com

BUTTON DEFINITION

C600E has four buttons including **ON/OFF**、**SET**、**UP** and **DOWN.**

"ON/OFF" names to "⏻", "SET" names to "**SET**"; "UP" names to

"＋" and "DOWN" names to "—".

Address：NO.38 Ningliu Road, Pukou District, Nanjing City, China
Tel：025-89618445
Fax：025－58849541
Email: bigstone.ebike@gmail.com
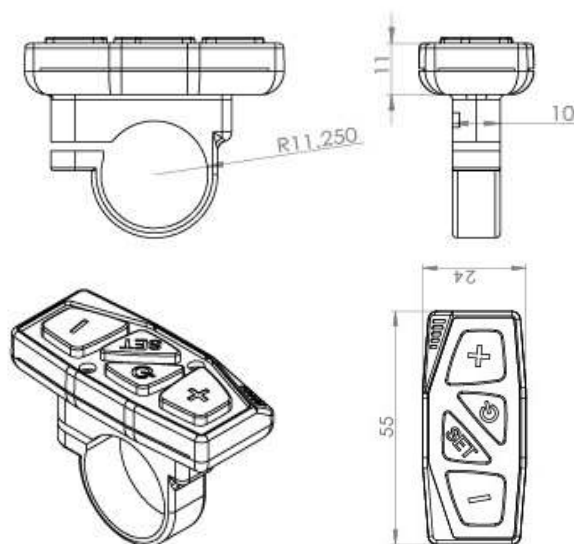
FUNCTION SUMMARY

FUNCTION SUMMARY

C600E provides a wide range of functions and indicators to fit the users'
needs. The indicated contents are as below.

1. ON/OFF

2. Current display

3. Riding mode selection

4. Speed display

5. KM/H & MPH

6. Backlight indicator

7. 6KM/H work

8. PAS level selection

9. Error code indicator

10. SET operation

11. Distance indicator

    11.1 Total distance (ODO)

    11.2 Trip 1

    11.3 Trip 2

    11.4 Remaining distance **(without this function by default)**

12. Trip time indicator

Address：NO.38 Ningliu Road, Pukou District, Nanjing City, China
Tel：025-89618445
Fax：025 – 58849541
Email: bigstone.ebike@gmail.com

page 4

13. Battery indicator

    13.1 Battery residual capacity indicator
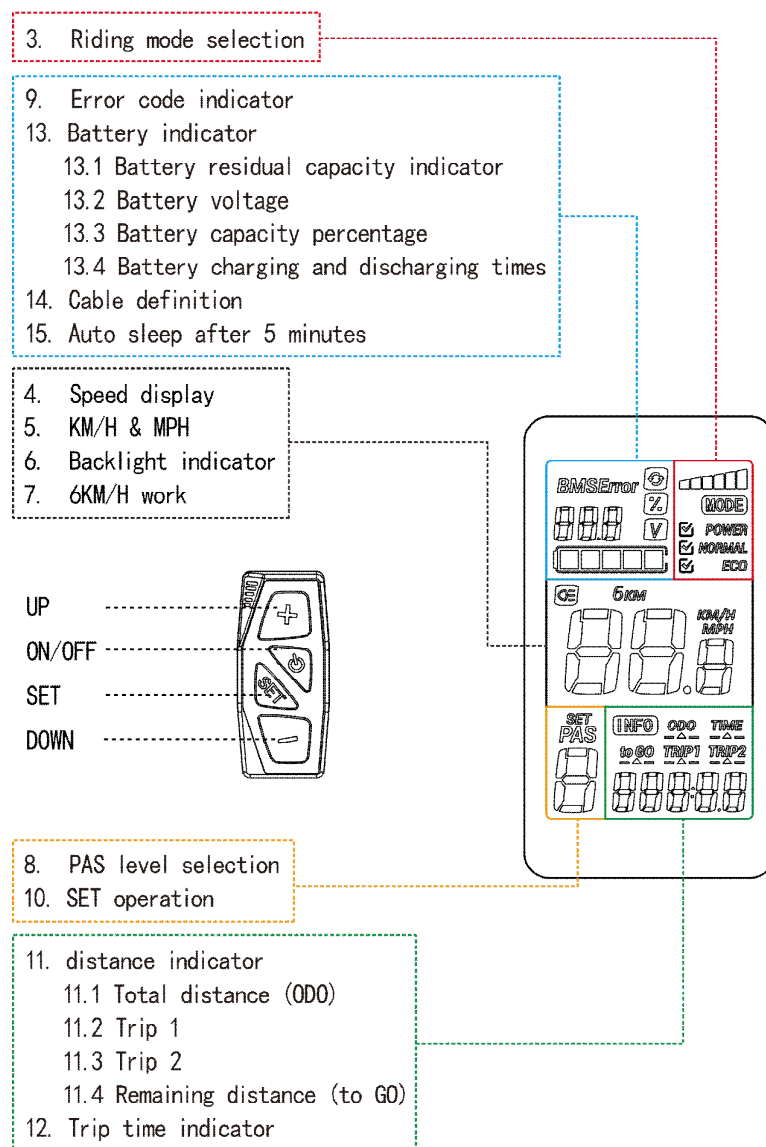
    13.2 Battery voltage

    13.3 Battery capacity percentage **(without this function by default)**
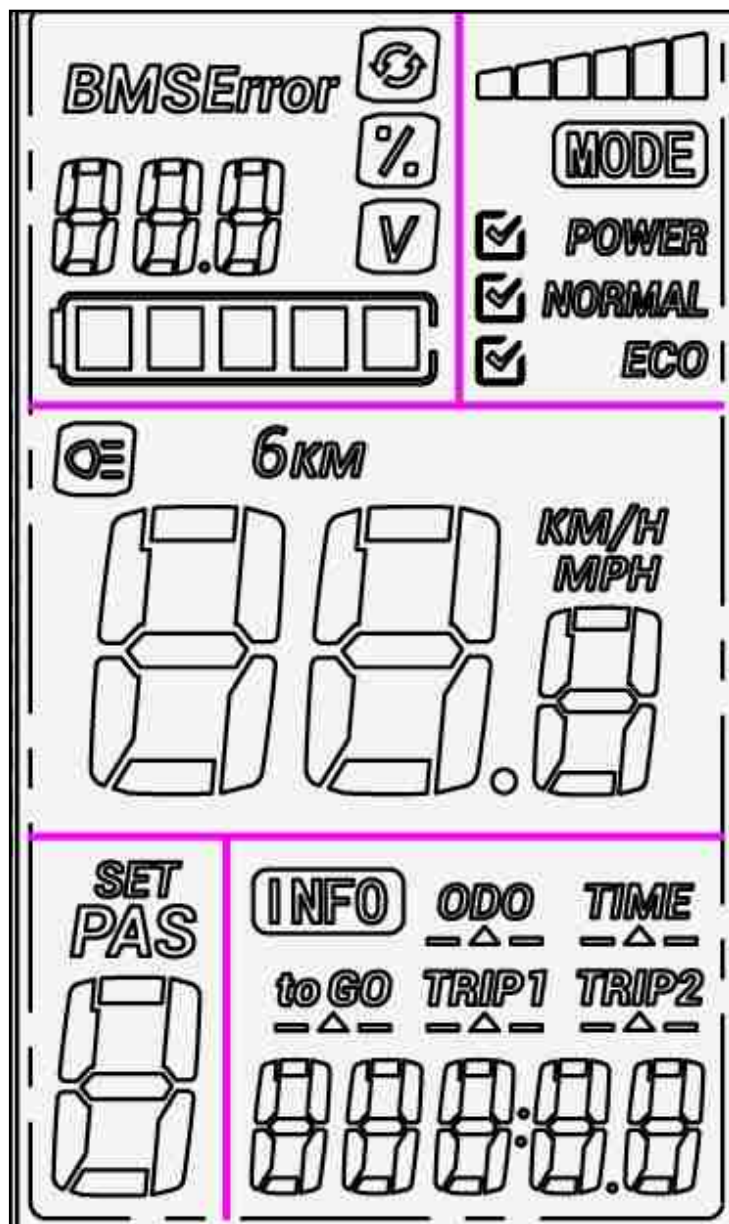
    13.4 Battery charging and discharging times **(without this function by default)**

14. Cable definition

15. Auto sleep after 5 minutes

```
3.   Riding mode selection
```

```
9.   Error code indicator
13. Battery indicator
     13.1 Battery residual capacity indicator
     13.2 Battery voltage
     13.3 Battery capacity percentage
     13.4 Battery charging and discharging times
14. Cable definition
15. Auto sleep after 5 minutes
```

```
4.   Speed display
5.   KM/H & MPH
6.   Backlight indicator
7.   6KM/H work
```

UP

ON/OFF

SET

DOWN

```
8.   PAS level selection
10. SET operation
```

```
11. distance indicator
     11.1 Total distance (ODO)
     11.2 Trip 1
     11.3 Trip 2
     11.4 Remaining distance (to GO)
12. Trip time indicator
```

Display labels: BMSError, MODE, POWER, NORMAL, ECO, 6κM, KM/H, MPH, SET PAS, INFO, ODO, TIME, to GO, TRIP1, TRIP2

**bigst⊙ne**

FULL VIEW AREA

NORMAL OPERATION

1. ON/OFF

Hold **ON/OFF** and start the display. The display will provide power for the controller. Hold **ON/OFF** again to open the backlight. With display on, press **ON/OFF** for 3 seconds to turn off the power. With the display off, there is no battery consumption. The leakage current is no more than 2μA.

※ The panel will go to sleep when the speed is 0 km/h for 5 minutes.

2. CURRENT DISPLAY

That represents the discharging current of the controller currently, each mark is 2A, six segments is >=12A.
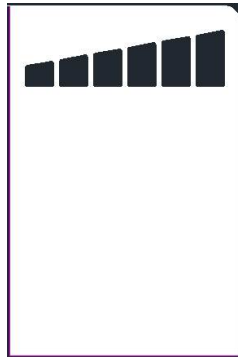
3. RIDING MODE SELECTION

There are three modes for riding with arrow selection, including POWER，NORMAL and ECO. The default option is NORMAL. The default option is NORMAL.

Address：NO.38 Ningliu Road, Pukou District, Nanjing City, China
Tel：025-89618445
Fax：025－58849541
Email: bigstone.ebike@gmail.com

page 7

4. SPEED DISPLAY

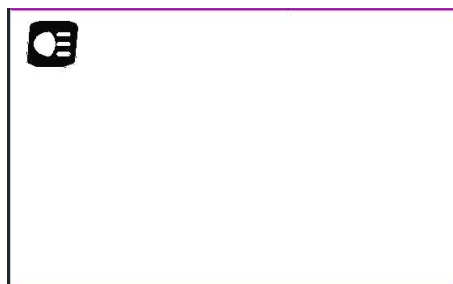The speed is as below, and user can select KM/H or MPH in **SET4.**

5. KM/H & MPH

Select KM/H or MPH for the speed and mileage, display will be the currently selected units display.

6. BACKLIGHT INDICATOR

With the power on, click the **ON/OFF** and turn on the backlight.

Click it again and turn off the backlight.

※ If the e-bike has headlight, the controller will turn on/off the headlight at the same time of the backlight on/off (without this function by default).

7. 6KM/H WORK

Hold the DOWN for 2 seconds to get into 6km PAS work, and with your hand off, the 6km PAS work is released. The display is as below.

6км

8. PAS LEVEL SELECTION

Click **UP** or **DOWN** to change the stages and output power ratio, the default mode is mode 6 and it's output power range from level 1 to level 6 (mode 3 and mode 9 can be customized), the default value is level 1 .

PAS

9. ERROR CODE INDICATOR

If there is something wrong with the electronic control system, the display will flash at 1 HZ and show the error code automatically. Different error code is corresponding with different error information. See the last page **Error code table** for details.

Error

8
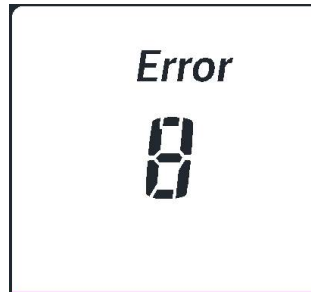
※ Display return to normal only after problem being fixed and e-bike will not run before fixing the problem.

10. SET OPERATION

Hold the **SET** for 2 seconds and enter into the setting interface, then Number 8 is lighting, the display will flash at 1 HZ. Click the **SET** to cycle from 0 to 4 setting interface, press **UP** or **DOWN** to select the wanted parameter, and hold the **SET** for 1 second to exit.

SET

8

10.1、SET0 : Riding mode selection

There are three modes for selected: POWER、NORMAL、ECO.

10.2、SET1: Reset trip 1

Click the **DOWN** and reset the trip 1, then the **TRIP1** icon will flash at 1 HZ, meanwhile the mileage will be cleared.

10.3、SET1: Max speed limited setting

The max speed is 25 km/h for the default. In the SET 2 interface, user can modify the value of max speed, when the riding speed exceeds the set value, the controller will stop supplying power to the e-bike, in order to ensure the safety of rider.

※ The max speed value range from 20 km/h to 40 km/h. The max speed displays in speed display area.

10.4、SET3: Wheel diameter setting

Select the accurate wheel diameter value to ensure the accuracy of display about speed and mileage.

10.5、SET4 : KM/H & MPH

Select Select the accurate wheel diameter value to ensure the accuracy of display about speed and mileage. for the speed and mileage, display will be to the currently selected units display.

※ Press **UP** or **DOWN** to select parameter, hold the **SET** for 1 second to save and exit.

11. DISTANCE INDICATOR

With the display on, press **SET** to switch the display information. In turn shows: ODO, trip 1 and trip 2.

11.1 ODO

The ODO records the driving mileage from using, the accumulated value cannot be cleared.

11.2 Trip1

Trip 1 is resetted by hand in the **SET 1 interface**.(when the riding mileage >=500km, it will be resetted automatically. The value will be accumulated without resetting.)

11.3 Trip 2

Trip 2 displays the last driving distance for 30 s after turning on the display, then reset it automatically and start to record the current distance.

11.4 Remaining distance (without this function by default)
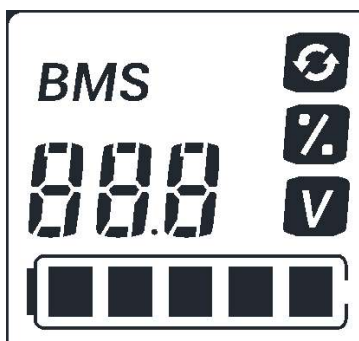
This function need to be customized.

12. TRIP TIME INDICATOR

The riding time parameter is automatically reset after shut down.

13. BATTERY INDICATOR

13.1 Battery residual capacity indicator

The battery frame have five segments, each segment represent 20% battery capacity. When the capacity is full, the five segments are all light. In low battery, the battery frame will flash, it indicates that the battery is severely low and needs to be recharged immediately.

Low battery flash

13.2 Battery voltage

It displays the current voltage of this battery.

13.3 Battery capacity percentage (without this function by default)

It displays the percentage of battery capacity. This function needs to be customized.
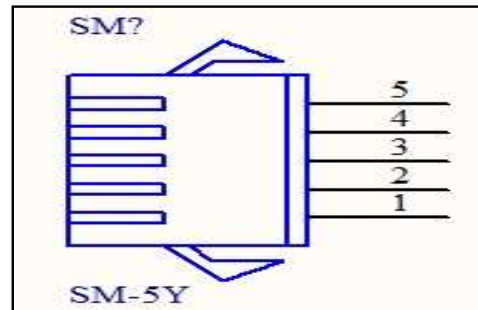
13.4 Battery charging and discharging times (without this function by default)

This function needs customization.

※ The panel displays the voltage for the default.

14. CABLE DEFINITION

1 Red：   Battery +

2 Blue：   Weak lock

3 Black：   Battery-

4 Green: UART-RECEIVE（RXD)

5 White: UART- SEND（TXD）

15. AUTO SLEEP AFTER 5 MINUTES

When the riding speed is 0 km/h for 5 minutes, the system will go to sleep automatically.

COMMON PROBLEMS & SOLUTIONS

Q：Why the display is not able to start up？

A：Checking the connector that between display and controller.

Q：How to deal with the error code?

A：Fix it to the maintenance place immediately. If cannot be resolved, you can go to the electric vehicle repair points repair it in a timely manner.

QUALITY & WARRANTY

QUALITY & WARRANTY：

1、   Any quality problems in normal case and in guarantee period, our company will responsible for the warranty

2、   The warranty time is 18 months from date of purchasing.

OTHER ITEMS：

The following items are not belong to warranty scope

1. It can not be demolished.

2. The damage caused by wrong installation or operation.

3. Shell is broken when display is out of the factory.

4. Wire is broken.

5. Force disaster (such as fire, earthquake, etc.) or natural disasters like lightning, etc caused by fault or damage.

6. Beyond Warranty period.

ERROR CODE TABLE

The error code is corresponding with the fault definition.

Error code	definition
0	normal
1	Current error or MOS damaged
2	Throttle error(Start detection)
3	motor no phase position
4	Hall error
5	Brake error(Start detection)
6	Under voltage
7	Motor stalling
8	communication controller receiving error
9	communication display receiving error