

DAPU

LCD-K Specification

CHUBUT PRECISE ELECTRONIC COMPANY LIMITED

Contents

About the User Manual	3
External Dimensions	3
Material and Color	3
Function Summary & Button Definition	4
Function Summary	4
Full Display Area	5
Normal Display Area	5
Button Definition	6
Normal Operation	6
1 ON/OFF	6
2 Display Interface	7
3 Push Cruise Control	8
4 Backlight ON/OFF	9
5 Assistance Level Select	9
6 Capacity Display	10
7 Error Code Display	10
General Setting	11
1、 Distance and Riding Time Clearing	11
2、 Wheel Size Setting	11
3、 KM/H, MPH Switching	12
4、 Version NO.....	13
FAQ	13
Quality assurance and Warranty scope	13
Warranty	13
Other items	14
Version Updates	14
Error code definition	15
Table 1	15

CHUBUT PRECISE ELECTRONIC COMPANY LIMITED

Add: No.6101 LongDong Road He Qing Industry Zone Pudong New Area Shanghai

Tel: +86-021-58970723-178.

Fax: 021-58979066

About the User Manual

Dear users,

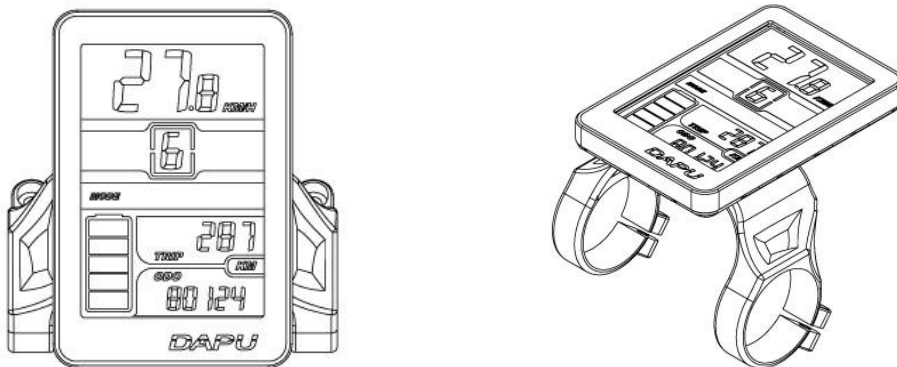
To ensure better performance of your ebike, please read through the LCD-K inspection carefully before using it. We will inform you of all the details, including the installation and setting of the hardware and normal use of the display with the most concise words. Meanwhile, the specification will also help you solve possible malfunction.

External Dimensions

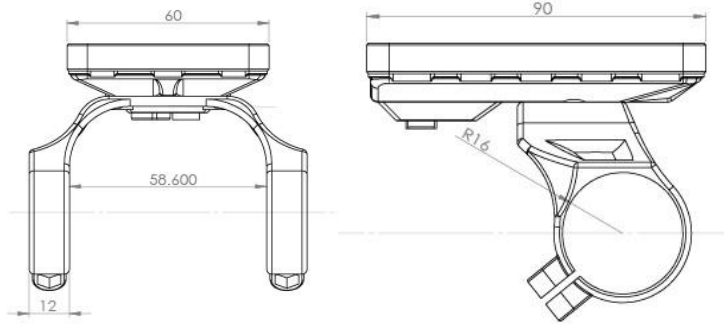
Material and Color

LCD-K products are made of black PC material. Under the temperature ranging from -20°C to 60°C , the shell material can ensure normal usage and good mechanical performance of the products.

Real product and dimension figure (unit: mm)



CHUBUT PRECISE ELECTRONIC COMPANY LIMITED
Add: No.6101 LongDong Road He Qing Industry Zone Pudong New Area Shanghai
Tel: +86-021-58970723-178. Fax: 021-58979066



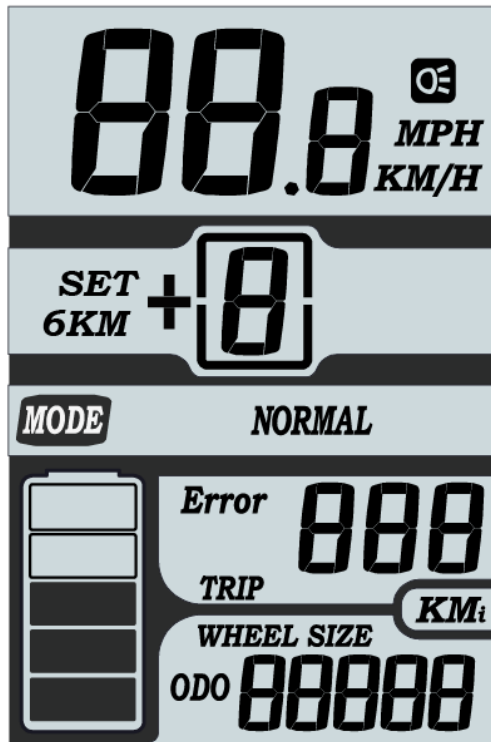
Function Summary & Button Definition

Function Summary

LCD-K provides a wide range of functions and indicators to meet the users' requirement during the riding. The displayed contents are as follows:

- ◆ ODO Display;
- ◆ Riding Distance Display;
- ◆ Speed Display;
- ◆ 6KM/H Display;
- ◆ Backlight ON/OFF;
- ◆ Assist Level;
- ◆ Capacity Display;
- ◆ Mode display;
- ◆ Error Code Display;
- ◆ Wheel Diameter Setting;
- ◆ KMH, MPH Switching;

Full Display Area

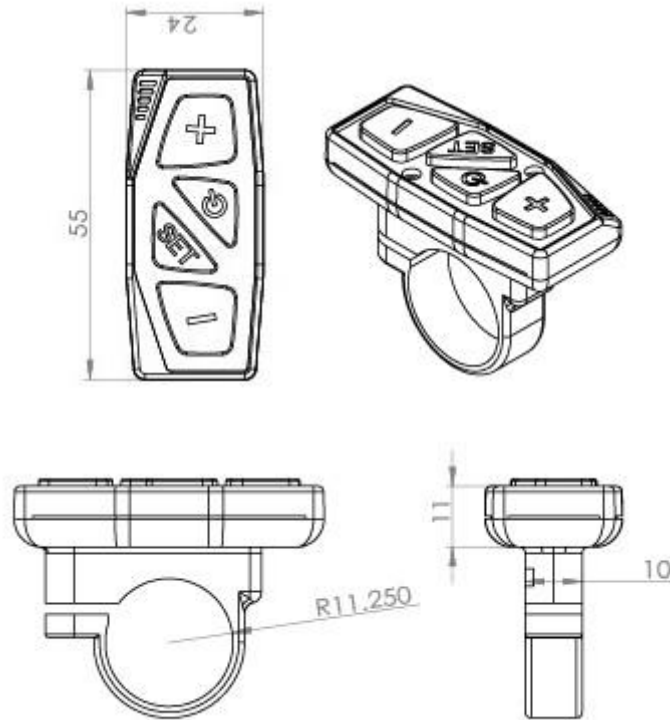


Normal Display Area



Button Definition

There are four buttons equipped on the LCD-K, namely, **ON/OFF**, **SET**, **UP** and **DOWN**.



Normal Operation

1 ON/OFF

Press **ON/OFF** and the display will begin to function. The display will provide power supply for the artificial circuit of the controller.

With display on, power can be turned off by pressing the **ON/OFF** for three seconds. With the display off, the display and controller no longer consume battery power. The leakage current is no more than $2\mu\text{A}$.

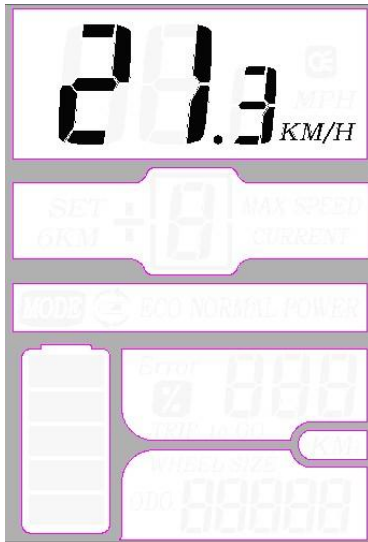
※ **If the ebike has not been used for more than five minutes, the display will automatically shut down.**

CHUBUT PRECISE ELECTRONIC COMPANY LIMITED
Add: No.6101 LongDong Road He Qing Industry Zone Pudong New Area Shanghai
Tel: +86-021-58970723-178. Fax: 021-58979066

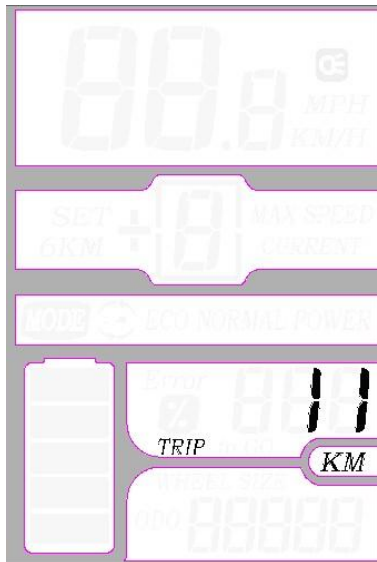
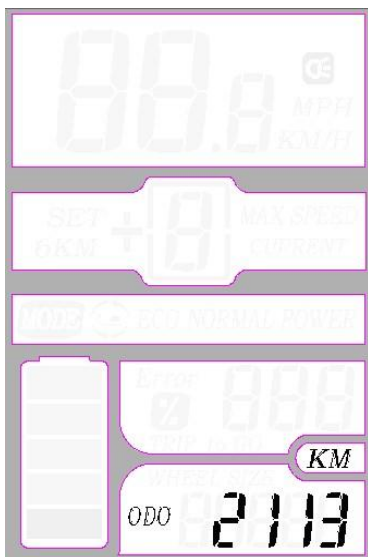
2 Display Interface

The LCD-K displays speed、ODO、TRIP、assist level、battery and mode by default.

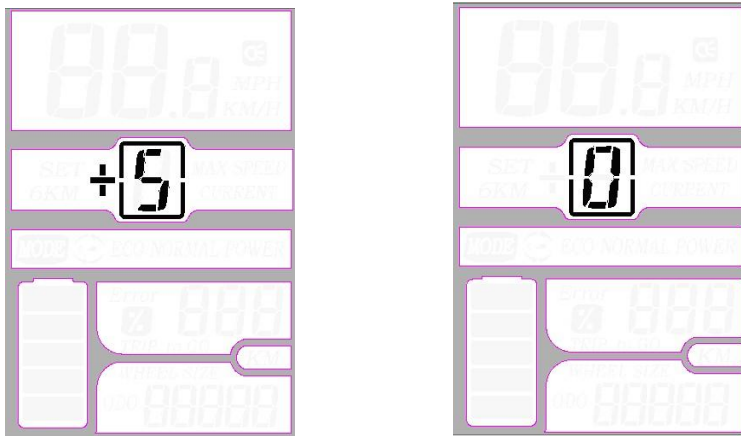
Speed display:



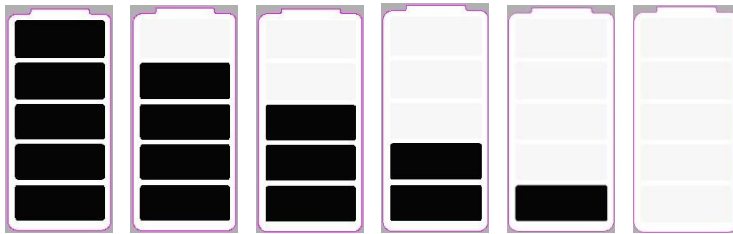
Distance display:



Assist level display:



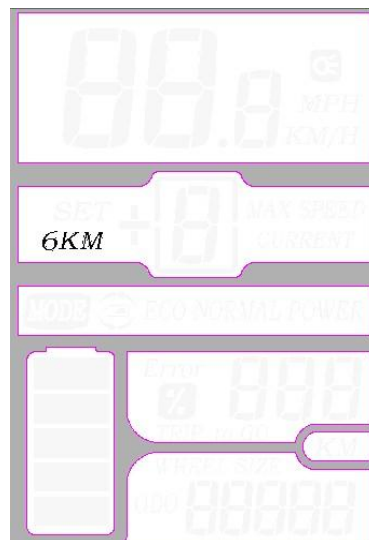
Battery display:



3 Push Cruise Control

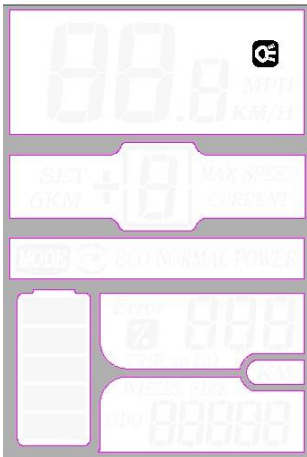
Press **UP** for 2 seconds to enter into the mode of power assist walk.

The ebike will move at a constant speed at 6 km/h with 6km indicating on the screen.



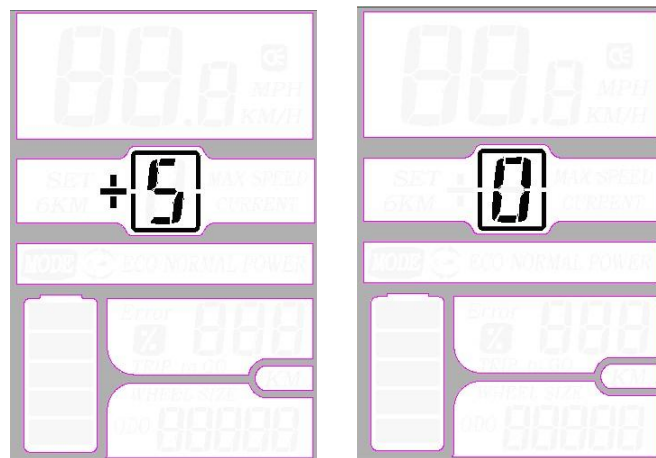
4 Backlight ON/OFF

With the display on, press **ON/OFF** to turn on the backlight. Meanwhile, the controller will turn on the headlight. When driving in the evening or lack natural light, LED backlight can be turned on. And press **ON/OFF** again to turn off the backlight.



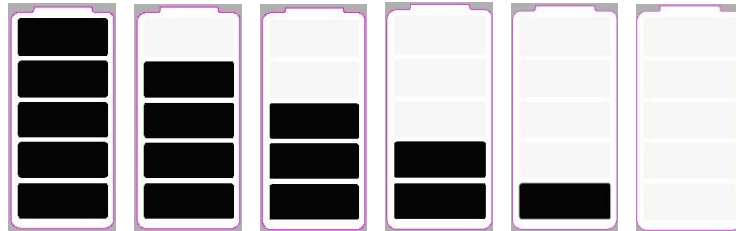
5 Assistance Level Select

Press **UP** or **DOWN** to switch the ebike Assist Level as well as the output power of the motor. The output power at default ranges from 0 to 6 levels. The current level will be saved as the display turns off.



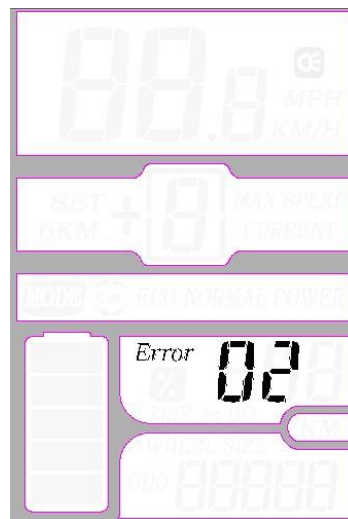
6 Capacity Display

When the battery is fully charged, the battery capacity icon is filled. When the battery is in low voltage, the last check will flash, indicating the necessity to recharge the battery immediately.



7 Error Code Display

If there is something wrong with the electronic control system, the display will show the error code automatically. Refer to **Table 1** for detailed error code information.



※Error display interface can be exited only when the problems have been fixed.

General Setting

1、 Distance and Riding Time Clearing

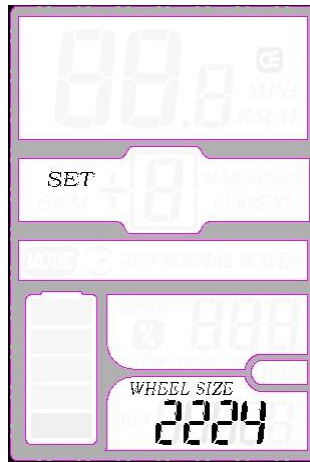
- ★ Press **SET** for 5 seconds to enter into **TRIP** distance display mode and press **DOWN** to clear Riding Distance.
- ★ Hold **SET,UP** and **DOWN** for 5 seconds to clear Riding Distance and Total Distance.

2、 Wheel Size Setting

- ★ Hold **SET** for 10 seconds to enter into wheel diameter setting interface.

Optional wheel diameter parameters include: 16, 20, 24, 26, 700C, 28. Press **UP** or **DOWN** to select the suitable diameter so as to ensure the accuracy of display about speed and mileage. Press **SET** to save current setting and exit the setting mode. The wheel diameter at default is 700C when leaving the factory.

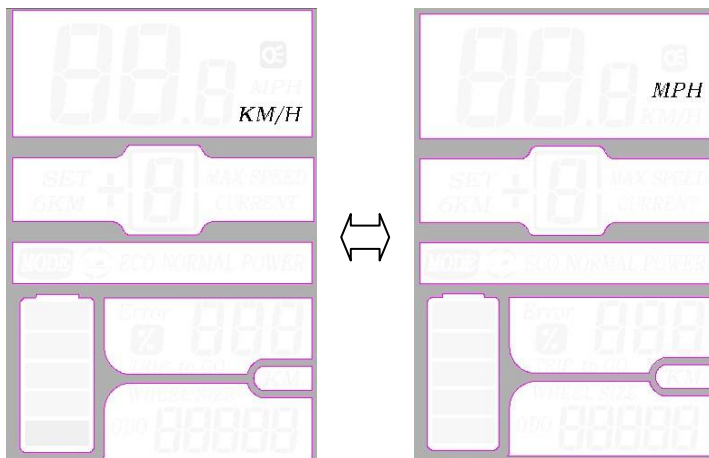
It is shown as below when the diameter is set at 700C:

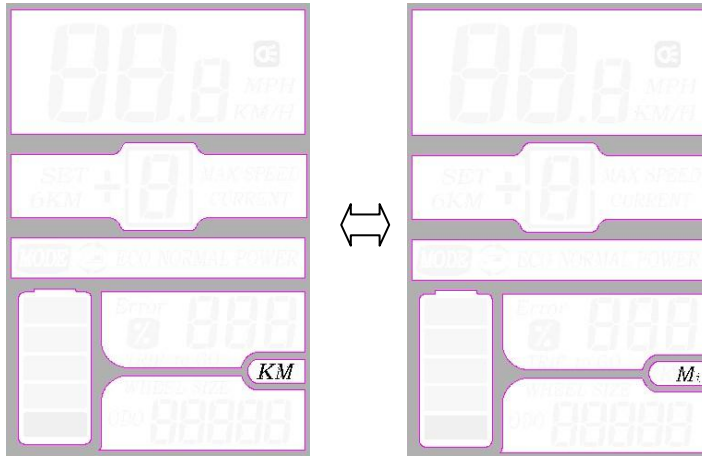


※ Press **UP** or **DOWN** to choose the wheel diameter, Press **SET** to save the current setting and exit the setting mode.

3、KM/H, MPH Switching

Press **UP** and **DOWN** for 5 seconds to switch between KM/H and MPH. (Show KM/H at default)





4、Version NO.

Press **SET,DOWN** and **UP** for 3 seconds to enter into the interface where current software version number can be indicated.(This feature is only for after-sales service)

※ **Press SET to exit the above setting interface.**

FAQ

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

A: Checking the connector between the display wiring harness and controller.

Q: How to deal with the error code?

A: Find the corresponding problem according to the error code. If failed to handle by oneself, fix it at the maintenance center.

Quality assurance and Warranty scope

Warranty

1、 Under warranty, our company will shoulder the responsibility

CHUBUT PRECISE ELECTRONIC COMPANY LIMITED
Add: No.6101 LongDong Road He Qing Industry Zone Pudong New Area Shanghai
Tel: +86-021-58970723-178. Fax: 021-58979066

to provide limited warranty to any faults caused by the quality of the product under normal use.

2、 The warranty period lasts for 18 months since the date of purchase.

Other items

The following items does not belong to warranty scope

- 1、 Disassembly or modification without authorization.
- 2、 Malfunction or damage caused by the misuse or improper installation and debugging by the users or the third party.
- 3、 Shell scratch or breakage after leaving the factory.
- 4、 Wiring scratch or breakage.
- 5、 Malfunction or damage caused by the force majored (fire, earthquake etc.) or natural disasters (lightening etc.)
- 6、 Beyond Warranty period.

Version Updates

This specification goes with the general software version (V2.1) of CHUBUTSU PRECISE ELECTRONIC COMPANY LIMITED. There might be some discrepancy between the software version used on the bicycle and this specification, but all are subjected to the real version.

Error code definition

Corresponding error code is shown to indicate the malfunction:

Error code	Definition
2	Current Abnormality or Damage of MOS
3	Motor blocked
4	Low voltage
5	Brake Abnormality (POST)
6	The hall of motor Abnormality
7	Throttle Abnormality
8	358 Error
9	Over voltage (>45V)
10	Controller Communication Abnormality
15	Panel Communication Abnormality

Table 1