KOTTO LCD User Manual

Manual

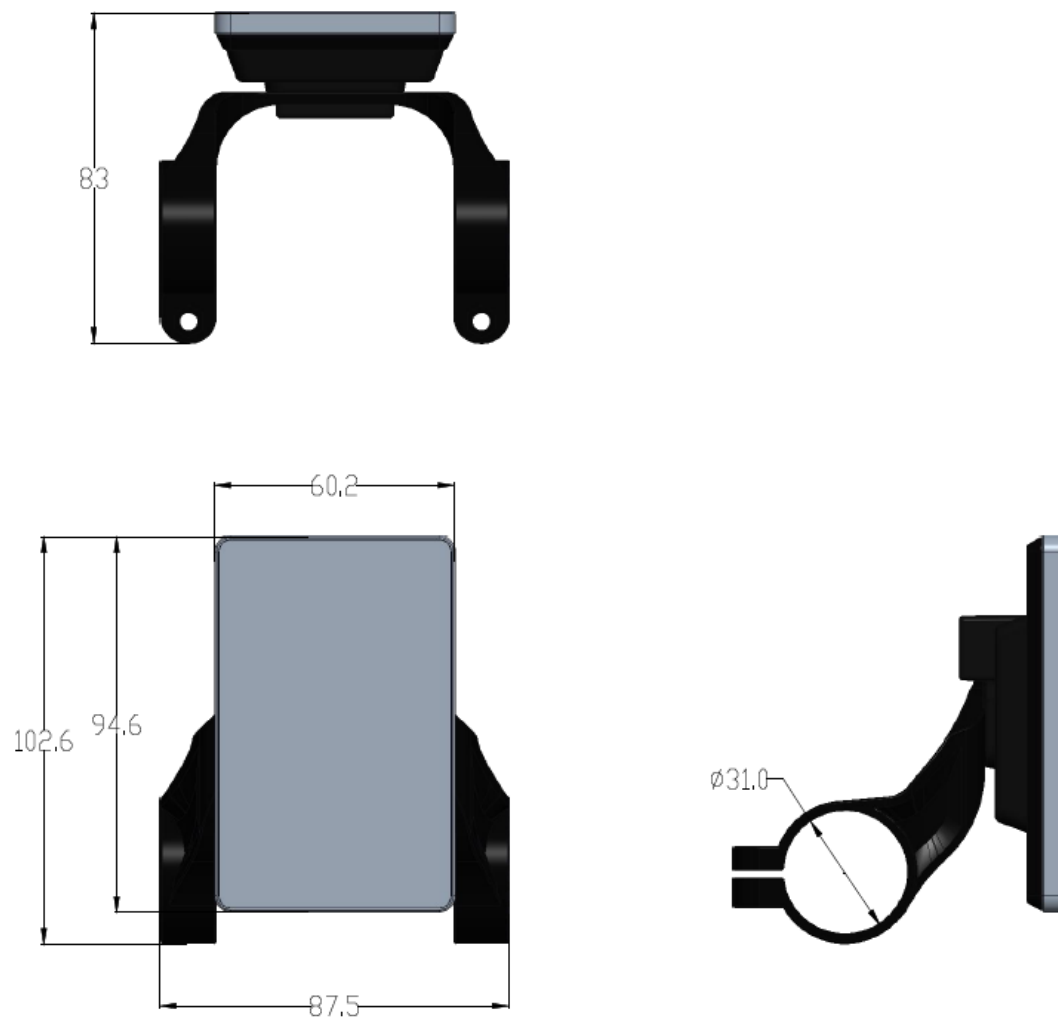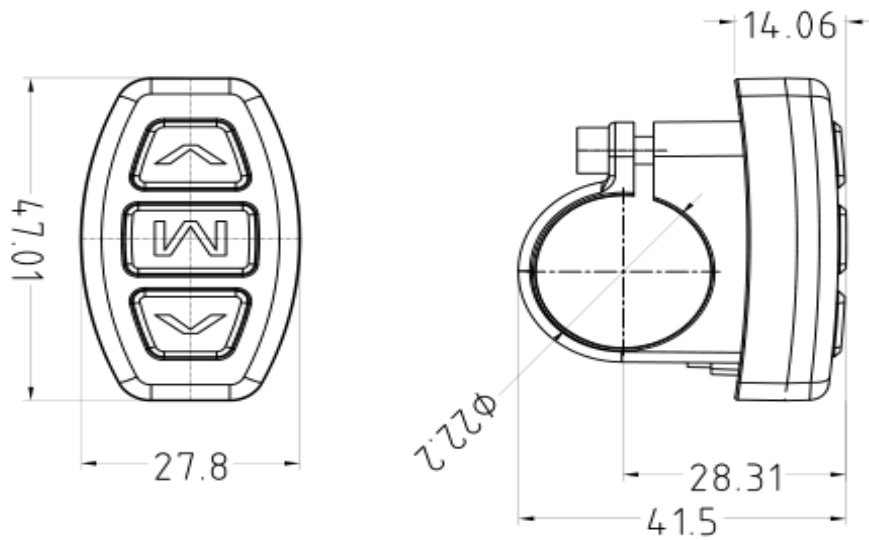Model GD06

1. Material&Dimension

1) Material

Caser and Cover and Press button: ABS,

LCD window: PMMA

2) Outside and mounting dimensions(mm)

3) Press button outside and mounting dimensions(mm)

4) Installation

● Install the display in the middle of handlebar, then adjust
   to suitable angle, install the press button to left side
   ofhandlebar.

● Power off the device, connect the device to controller.

● Power on

2. Overview of GD06

1) UART protocol:

Equipped with independent press buttons

2) Speed：

Real-time SPEED

3) kmh/mile：

Kmh/MPH according to habit

4) Battery level：

Indicates the battery level in real time

5) Head light control：

Press button to power on/off

6) Back light adjustment：

3-level adjustment

7) Assist level：

From 0 to 5, press button to change assist level, 0-no assist, 5-default value

8) Distance：

ODO/Trip/Driving duration

9) Error code：

Please refer to appendix table 1 for definition

10) 6km mode：

In this mode, it will display "WALK" on the screen

11)Parameter setting：

Set parameters, such as: wheel size, speed limit etc

3. Presentation of screen

1）Battery level: 5 levels, voltage interval could be customized

2）Speed：Real-time SPEED

3）Speed unit：Kmh/MPH

4）6km mode

5）Assist level：actual assist level 0~5.

6）Head light icon：indicates when head light and back light are on

7）Distance：Trip/ODO

8）Driving Duration

9）Error code："ERROR" and code when there is error

4. Press button definition

GD06 uses independent press button, in total threebuttons:

 "UP"、 "MODE"、 "DOWN"。

5. Operation instructions

1) Power ON/OFF

When the power is off, Long press [M] （MODE） during 3 seconds， screen will display all contents and start to normal working mode, and controller will be turned on When the power is on, Long press [M] （MODE） during 3 seconds， screen will be powered off， and controller will be turned off 。 If no any operation both on bike and display during 10minutes(time could be set), the display w   n this case, no power consumption for both display and controller.

2) ODO/TRIP

Long press [∧] and [M] o switch different speed information，Real time speed（SPEED）→ Max speed（MAX SPEED） →Average speed （AVGSPEED）

3)ODO/TRIP/ Driving Time/Error Code

Short press [M] to switch ODO/TRIP/ Driving Time/Error Code Trip(Single trip distance)→ODO(Accumulated distance) → TM(Driving Time)→REE(Error Code)。

4)Assist level

Short press or to change assist level， default value is level 1

5) Head light control

Long press for 3 seconds turn on/off the head light。

6) 6km mode

When the bike is stopped, long press , will enter 6km/h mode, the speed will be 4.5~7.5km/h according to different road conditions, "WALK" will show up on screen, long press again or short press ， will quit 6km/h mode. Long press or short press could be customized by clients.

6. Parameter setting

When the display is powered on， long press and， will enter parameter setting mode，in this mode, can change parameter values， long press again and will quit parameter setting mode or no operation during 10s will also quit this mode.

In parameter setting mode， short press /will change parameter value， short press will save current

value and switch to next parameter.

1) P01-back light lightness：

   short press / will switch from 1 to 3,Level 3 is lightest. Level 2 is default value.

2) P02-kmh/MPH：

   Short press / to Switch kmh/MPH.

3) P03-Working voltage：

   short press / to switch 24V,36V,48V.

4) P04-Auto shutdown time:

   short press / to switch from 0 to 60, it is the time(in minutes) to shut down the screen automatically if no operation 0 means never shut down, Default value is 10 minutes

5) P05-Number of Assist levels：

   Short press / to change level 3->5->9.

   3： 3 assist levels

   5： 5 assist levels

   9： 9 assist levels

6) P06-Wheel size selection：

   short press / to switch wheel size,step： 16

inch,20 inch,22 inch,24 inch,26 inch,700C,28 inch.

7）P07-Number of magnets for speed sensor：

short press [⌃] / [⌄] to switch fromt 1 to 15.

8) P08-speed limit：

short press [⌃] / [⌄] to set the speed limit from 10 to 41km/h.

9）This feature is reserved: display P09, invalid.

10) This feature is reserved: display P10, invalid.

11) P11-assist sensitivity setting：

short press [⌃]/ [⌄] to switch from 1 to 24.

12) P12-assist starting power setting:

short press [⌃] / [⌄] to switch from 0 to 3.

13) P13-Assist magnetic disc types

short press [⌃] / [⌄] to switch from 5->6->8->10->12 ，

different numbers of magnets.

14) P14-Current limit for the controller：

short press [⌃] / [⌄] to switch from 1 to 20A

15) This feature is reserved: display P15, invalid.

16)   P16-Reset ODO distance：long press during 5 seconds.

17)   P17-The signal direction of the booster sensor：short press / to switch from 0 to 1; 0：Booster signal；1 Power signal negative.

18)   P18-Shift gears with gear：short press / to switch from 0 to 1; 0：Don't shift gears；1: Shift gears.

P19- Throttle the 6KM function：short press / to switch from 0 to 1;   0：Turn to the normal；1：Throttle 6Km。

7. Specifications

1) Power supply: 24V,36V,48V

2) Rated current: 10mA

3) Max current: 30mA

4) Leakage current after power off: <1uA

5) Current supply to controller:50mA

6) Working Temperature： -10~60℃

7) Storage temperature： -20~70℃

8. Error code definition

When an error appears, GD06 will notice users by different codes, please refer to table 1 for different codes:

Code (Decimal)	Signification
0	Normal
6	Low Battery level
30	Communication failure
21	current sensor fault
22	Throttle failure
23	Failure of motor phase line
24	Motor hall failure
25	Brake abnormity

Table 1

9. Notices

Power on and power off must keep an interval of at least 3 seconds,

please don't press " " button frequently when it is powered

off.

When the temperature is under -10℃, the screen will be a little

darker than normal, when the temperature increases, the screen

can go back to normal

10. FAQ

1) Q： Why I can not power off?

A： Please check connection between display and controller.

2) Q： What can I do if an error code displays?

A： Find a nearest shop to get repair

11. Warranty

1 year of warranty for quality issue except frame is broken.

12. Version

This is a universal manual for GD06.It could be customized by each client. Please confirm all details before purchasing.