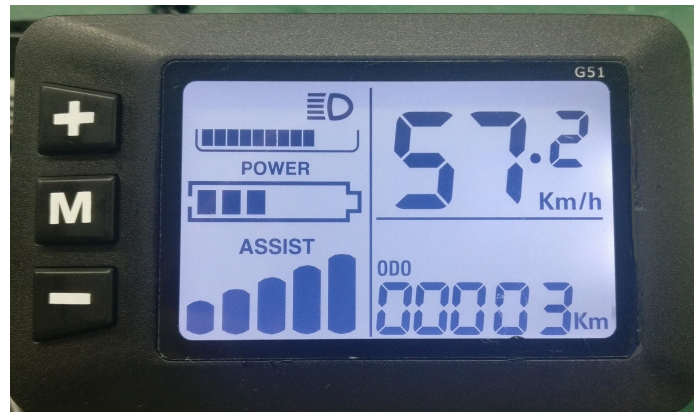


LCD-G51 Manual Control Panel Instructions



一、Functional description:

1. Display function

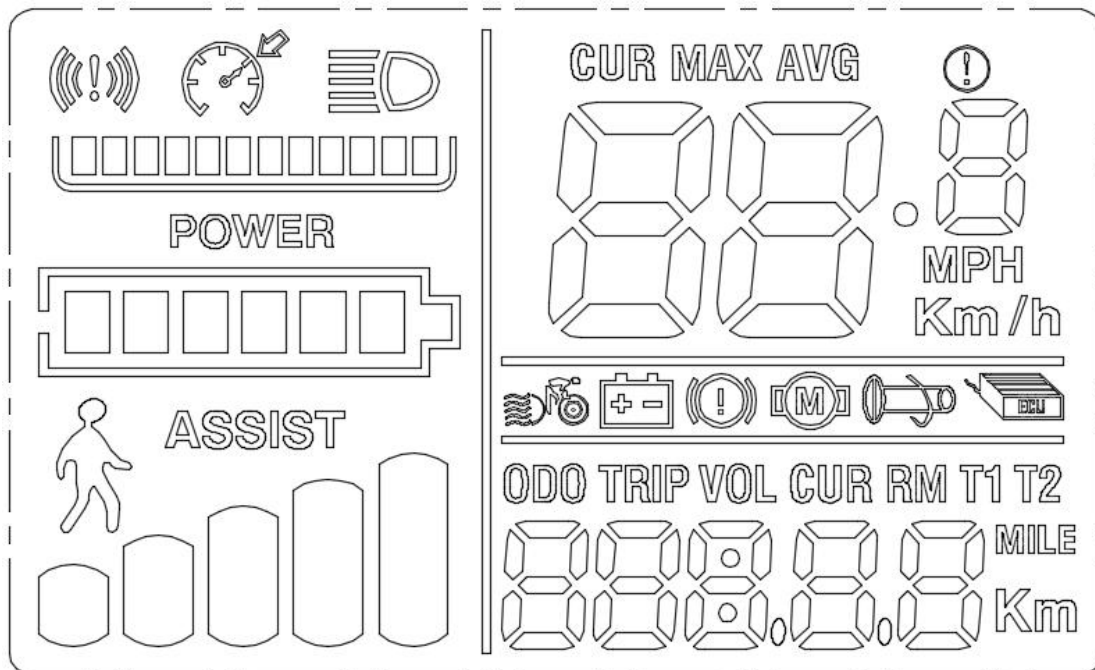
Speed display, power gear display, battery indicator, fault prompt, total mileage, single mileage, headlight display, single driving time display

2. Control and setting function

Power switch control, headlight switch control, 6Km/h inching control, wheel diameter setting, maximum speed setting, idle automatic sleep time setting, backlight brightness setting, voltage level setting,

3. Communication protocol: UART

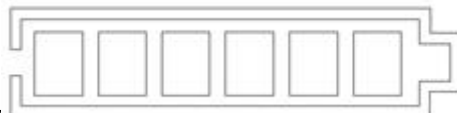
All contents of the display screen (full display within 1S after power on)



Display content introduction

3.1 Headlight

3.2 Battery Level Display



3.3 Multi-function display area

Total mileage ODO, single mileage TRIP, fault code Error, power WATT, maintenance Maintain;

3.4 Vehicle Mode

POWER: Powerful mode Speed display area

Maximum speed MAX, average speed AVG

Unit: MPH, KM/H

The instrument will calculate the actual speed based on the wheel diameter and signal data.

3.6 Vehicle status display area

Vehicle status symbols and code meanings:

VOL: Digital voltage; : Brake prompt; : Motor failure;

: Communication failure; : Turbo failure; : Controller failure;

3.7 Fault code

Fault code(decimal)	Fault status	
0	Normal status	
1	Reserved	
2	Brake	
3	Power sensor fault (riding sign) Not implemented here	
4	6KM/H cruise	
5	Real-time cruise	
6	Battery undervoltage	
7	Motor fault	
8	Throttle fault	
9	Controller fault	
10	Communication receiving fault	
11	Communication sending fault	
12	BMS communication fault	
13	Headlight fault	

3.8 Settings

P01: Backlight brightness, level 1 is the darkest, level 3 is the brightest;

P02: Mileage unit, 0: KM; 1: MILE;

P03: Voltage level: 24V, 36V, 48V, 60V, 64V, default 36V;

P04: Sleep time: 0, no sleep; other numbers are sleep time, range: 1-60;
unit: minutes;

P05: Power gear: 0, 3 gear mode:

1, 5 gear mode:

P06: Wheel diameter: unit, inch; accuracy: 0.1;

This parameter is related to the speed displayed by the instrument and needs to be entered correctly;

P07: Number of speed magnets: range: 1-100;

This parameter is related to the speed displayed by the instrument and needs to be entered correctly;

If it is an ordinary hub motor, enter the number of magnets directly;

If it is a high-speed motor, you also need to calculate the reduction ratio,
input data = number of magnets × reduction ratio;

For example: the number of motor magnets is 20, and the reduction ratio is 4.3: the input data is: $86=20 \times 4.3$

P08: Speed limit: range 0-100km/h, 100 means no speed limit,

The input data here indicates the maximum operating speed of the vehicle: for example, input 25, which means that the maximum operating speed of the vehicle will not exceed 25km/h; the driving speed is maintained at the set value,

Error: ± 1 km/h; (both power assist and handlebar speed limit)

Note: The value here is based on kilometers. When the unit setting is converted from kilometers to miles, the speed value on the display interface will automatically be converted to the correct mile value, but the speed limit value data set in this menu under the mile interface will not be converted, which is inconsistent with the actual displayed mile speed limit value;

Note: P09-P15 menus are only valid in communication state

P09: Zero start, non-zero start setting, 0: zero start; 1: non-zero start;

P10: Drive mode setting

0: Power assist drive (the output power is determined by the power assist gear, and the handlebar is invalid at this time).

1: Electric drive (driven by the handlebar, the power gear is invalid at this time).

2: Power drive and electric drive coexist at the same time

P11: Power sensitivity setting Range: 1-24;

P12: Power start intensity setting Range: 0-5;

P13: Power magnet disk type setting 5, 8, 12 magnets three types

P14: Controller current limit value setting Default 12A Range: 1-20A

P15: Controller undervoltage value

P16: ODO reset setting Long press the up button for 5 seconds to reset ODO

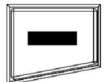
P17: 0: Disable cruise, 1: Enable cruise; automatic cruise is optional (only valid for protocol 2)

P18: Display speed ratio adjustment Range: 50%~150%,

P19: 0 gear enable position, 0: Include 0 gear, 1: Exclude 0 gear

P20: 0: Protocol 2 1: 5S protocol 2: Standby 3: Standby

4. Button Introduction:



1. In the off state, press and hold the  button to turn on the device; after turning on the

device, press the power  button and the interface will switch between ODO, TRIP, VOL, CUR and TIME.

2. When the machine is powered on, long press the  button to turn off the machine,

short press the  button to increase the power level by 1, and short press the  button to decrease the power level by -1.

3. Press and hold the  +  key to enter the mode setting

Parameter value modification: In a certain parameter state, press the short  key to

switch parameters, press the short  key to increase the value, and press the short

 key to decrease the value. After the modification is completed, press the short

 key to switch to the next parameter and save the previous parameter value; after the

parameter modification is completed, press the  +  key again to exit the setting interface. If you do not press, it will automatically exit and save the parameters after 8 seconds.