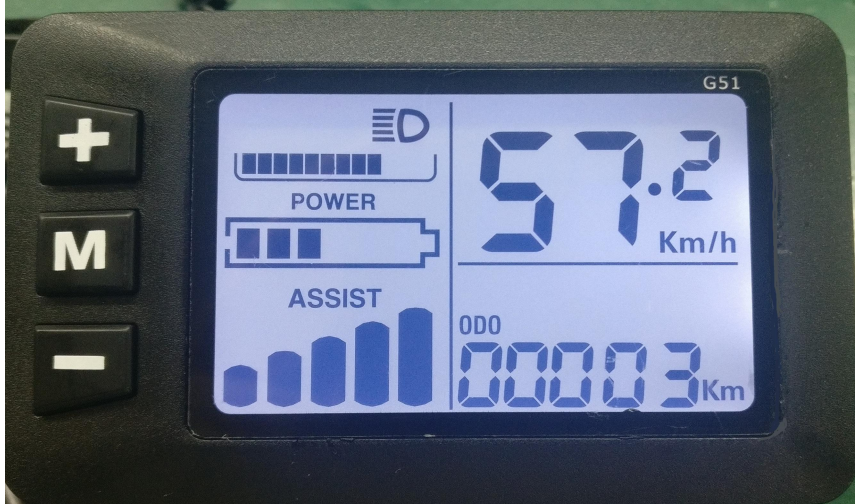
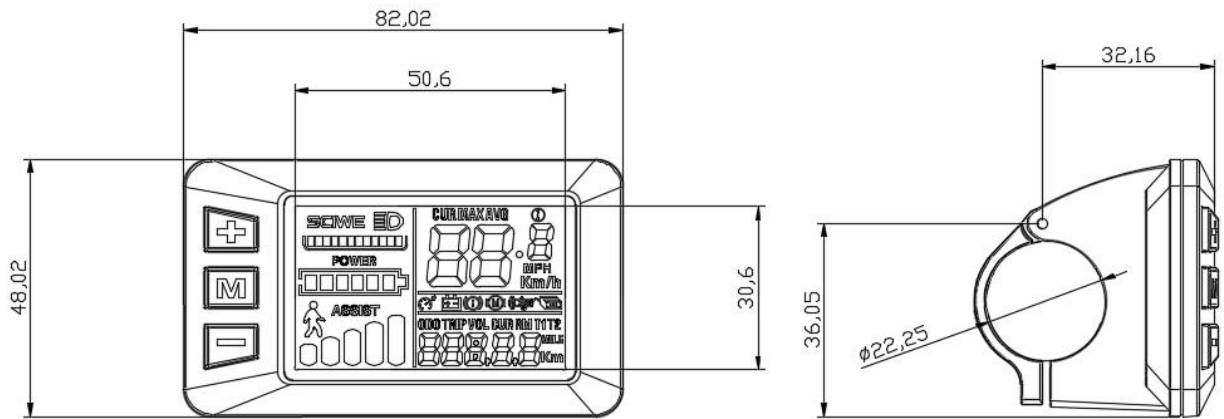


LCD- G51 (GUNAI GN29) Hand Control Panel Instructions for Use



① Appearance size and material

The product shell is ABS, LCD transparent window is imported high hardness acrylic, hardness value is equivalent to the tempered glass.



front view

side view

② Operating voltage and wiring method

1. working voltage:

DC24V, 36V, 48V (instrument selection setting), other voltages can be customized.

2. Wiring Method:

Standard connector wiring sequence



Connection to controller

Instrument Outlet

Docking terminals

Standard Wiring Sequence	Standard Cable Color	Functionality
1	RED(VCC)	Instrument Power Cord
2	BLUE(K)	Power control cable for controller
3	BLACK(GND)	Instrument ground
4	GREEN(RX)	Data receiving line of the instrument
5	YELLOW(TX)	Data transmission line of the instrument

Extended Function:

Headlamp: Brown (DD): Headlamp positive.

White (GND): negative headlight.

P WM voltage-type power-assisted gear control, independent external speed sensor Wire color is defined separately.

Note: Some products have waterproof connectors, so the user cannot see the color of the wires in the harness.

③ III. Functional description:

1、 Display function

Speed display, power-assisted gear display, battery indicator, fault indication, total mileage, single mileage, headlight display, single driving time display

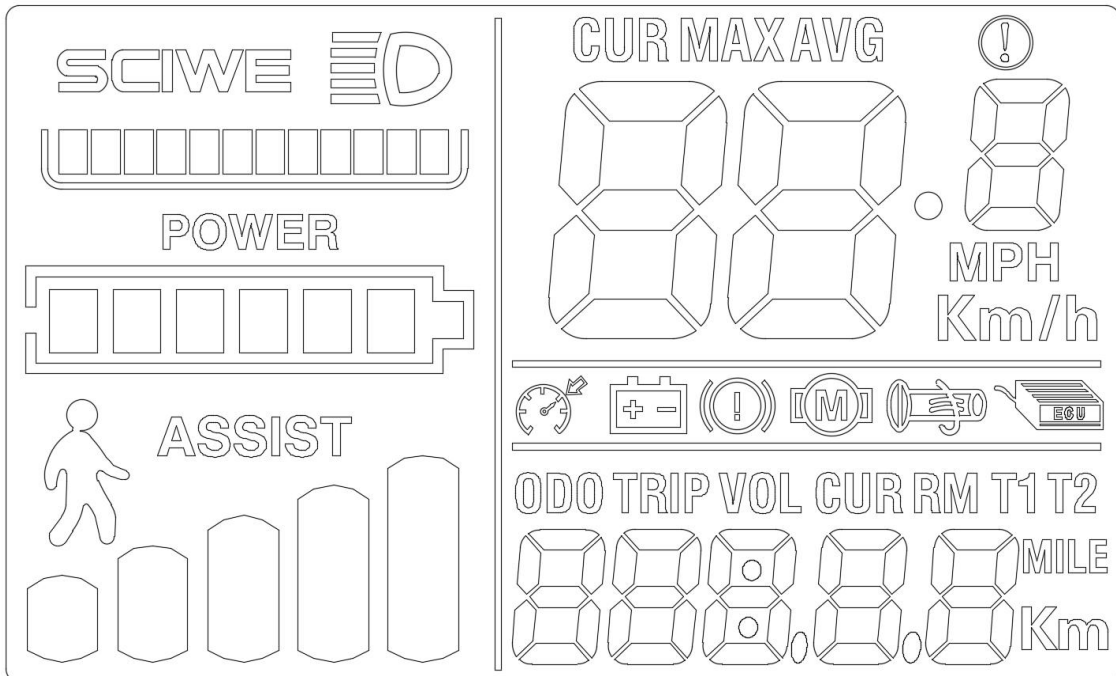
2、 Control and setting functions

Power on/off control, headlight on/off control, 6Km/h spot control, wheel diameter setting, maximum speed setting, idle auto-hibernation time setting, backlight brightness setting, voltage level setting

3、 Communication protocol:

UART

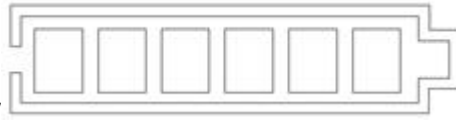
Display all contents of the screen (full display within 1S of power on)



4、 Display Content Introduction

4.1 Headlamps

4.2 Battery level display



4.3 Multi-function display area

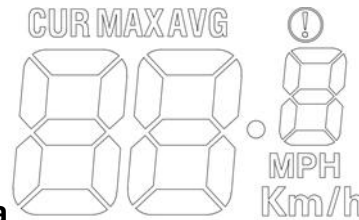
ODO TRIP VOL CUR RM T1 T2

Total Mileage ODO, Single Mileage TRIP, Error Code Error, Power WATT, Maintenance Maintain;
DST TO GO (not used at this time)

4.4 Vehicle mode

POWER

4.5 POWER: Power mode Speed display area

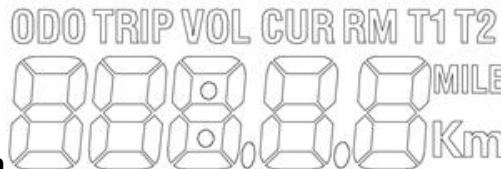


Maximum speed MAX, Average speed AVG



Unit MPH, KM/H




The meter will calculate the real speed according to the wheel diameter and signal data.

4.6 Vehicle status display area



Vehicle Status Code Meaning:

VOL: Digital Voltage : Brake Tip : Motor failure

: Turnbuckle failure : Wheel diameter : Controller malfunction

4.7 trouble code

Fault code (decimal)	fault state	note
0	normal state	
1	reservations	
2	brake	
3	Boost sensor malfunction (riding symbol)	Not realized here

4	6KM/H cruise	
5	Real-time cruise	
6	Battery under voltage	
7	motor failure	
8	turnbuckle failure	
9	Controller failure	
10	Communication reception failure	
11	Communication Transmission Failure	
12	BMS communication failure	
13	headlight failure	

4.8set up

P00: Restore factory settings, when adjusting to parameter 10 to switch to the next menu, the screen will be fully displayed and the setup parameters will be restored to the factory settings

P01: Brightness of backlight , 1 level is the darkest, 3 level is the brightest;

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

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

P04: dormant time: 0, not dormant; other numbers are dormant time, range: 1-60; unit minutes;

P05: booster gear: conventional 3-speed, 5-speed, 9-speed three modes (the controller may not all support.

Please set according to the actual situation), some of the early meters show 0,1,2 on behalf of the 3,5,9 three gears.

Newer meters usually display 3,5,9 directly to represent the three gears.

In addition, some meters support the setting of 0 gear or not, at this time, there is a number in front, 0 stands for

0 means there is 0 gear, and 1 means the minimum gear is 1 (i.e. no 0 gear).

(P05 Setting Enhancement Function)

Part of the protocol support, the user manually set the PWM of the gear, at this time, long press the key will enter 2

level submenu, you can modify the PWM value of different gears, the first parameter P is the PWM value of 6km cruise

The first parameter P is the PWM value of 6km cruise

Some instruments adopt analog voltage output of gear (when communication protocol is not used)

3-speed mode output voltage: 1-speed 2V, 2-speed, 3V, 3-speed, 4V;

5-speed mode output voltage: 1-speed 2V, 2-speed, 2.5V, 3-speed, 3V, and

4-speed, 3.5V, 5-speed,4V.

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

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

P08: speed limit: range 0-50km/h, 50 means no speed limit.

1. Non-communication state (meter control): when the speed is greater than the set speed, shut down the PWM output; when the speed drops to less than the set speed, automatically open the PWM output, drive the speed for the current speed ± 1 km/h; (only for the power assisted speed limitation, turn the handle does not limit the speed)

2. Communication state (controller control): the driving speed is maintained at the set value.

Tolerance: ± 1 km/h; (speed limit for power-assisted and handlebar)

Note: The value here is based on kilometers, when the unit setting is converted from kilometers to miles, the speed value of the display interface will be automatically converted to the correct value of miles, but the data of the speed limit value set at this menu under the mileage interface will not be converted and will not be consistent with the actual display of the mileage speed limit value;

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

P10: Drive mode setting 0 : Boost drive (decide how much boost is output through the boost gear, the turnbuckle is invalid at this time).

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

2 : Coexistence of power assist and electric drive (electric drive is not available in zero start state).

P11: Boost sensitivity setting Range: 1-24;

P12 : Boost start strength setting Range : 0-5;

P13: booster magnet disk type setting 5, 8, 12 grains of magnet three types

P14: Controller current limit value setting default 12A range: 1-20A.

P15: The function is not available at the moment

P16: ODO Zero Setting Long press up key for 5 seconds ODO Zero Setting

Specific setting options for specific functions and protocols.

P17: (added when user expressly requests it, common for protocol #2)

Auto cruise selection, 0 no auto cruise, 1 with auto cruise

Trigger time to enter auto cruise is set by the controller.

Other protocol-specific function menus:

P17: (K5S, APT protocol binding) Forward and Reverse Boost Selection, 0 Forward Boost, 1 Reverse Boost

P18: (K5S, APT protocol binding) Turning Gear Selection, 0 Turning Gear No Shift, 1 Turning Gear Shift

P19: (K5S protocol binding) 6KM handlebar selection, 0 handlebar non-6km, 1 6KM handlebar

Note: Due to the company's product upgrades may you get the product part of the display content will be different from the manual, but will not affect your normal use.

Whatsapp:

Email:

Website: