



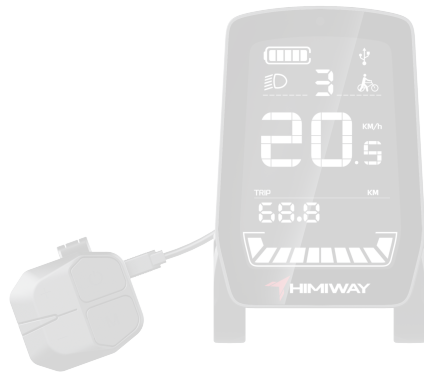
HI-PLAY

User's Manual



HI-PLAY User's Manual

1. Product Structure	03
2. Product Features	06
3. Instructions for Use	10
4. Warranty	44
5. Warning	46



Dear users:

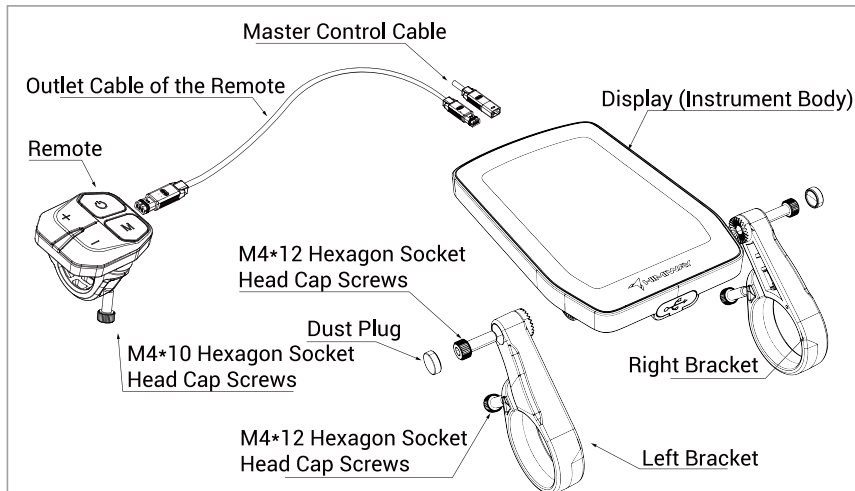
Thank you for choosing HIMIWAY Hi-Play!

For safety reasons, please read carefully the owner's manual to ensure a correct use of the product. Please keep the owner's manual in a proper way.

*The final interpretation right is reserved by HIMIWAY, changes, and upgrades will not be notified.

This product is an intelligent E-bike display of HIMIWAY Hi-Play series. By applying high-hardness glass with full lamination process, this product shows excellent light transmittance. A board end connector is used for outgoing cables to facilitate quick installation & uninstal during installation and after-sales maintenance. The product waterproof rate is up to IPX6.

1. Product Structure



Component Name	Quantity
Master control cable	1 PCS
Remote outlet cable	1 PCS
Remote	1 PCS
M4*12 screw	4 PCS
M4*10 screw	1 PCS
Left bracket	1 PCS
Right bracket	1 PCS
Bracket dust plug	2 PCS
Rubber clamping ring	2 PCS
Display instrument body	1 PCS

Product Functions	
Intelligent power display	Boost gear indication
Speed display (including the maximum speed and the average speed, with unit switching between kilometer and mile)	
Trip mileage display (including single trip mileage, odometer / total trip mileage, with unit switching between kilometer and mile)	
Boost push control and display	Lamp switch control and indication
Trip time	Error code display
Data setup	Board end connector
Type-C charging logo	Output power indication

2. Product Features

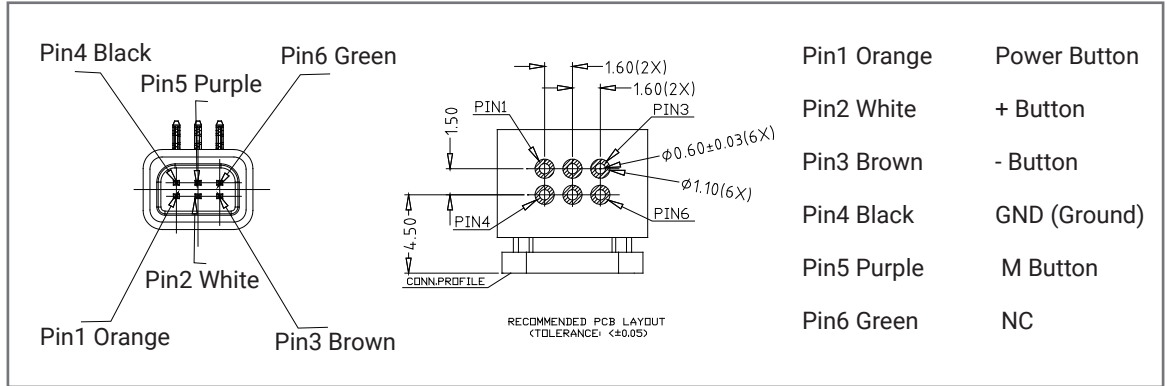
2.1 Specifications

	Category	Specifications
Dimensions	L*W*H	134.2*77.8*66.1 mm
	View area	86.27*59.63 mm
	Screen size	4"
	Adaptable handlebar	25.4/31.8 mm
Screen	Screen type	Full-lamination segment-code negative display screen
Connector	Type	Board end connector
	Length	240/140 mm

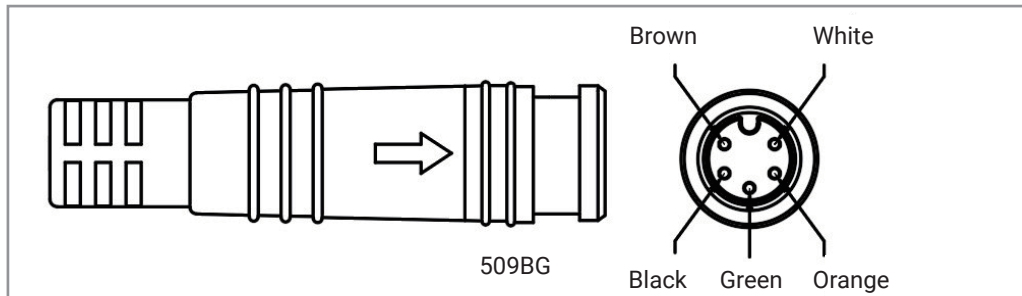
3.F

	Category	Specifications
Core data	Operating voltage	48V
	Gear mode	Digital gear
	Operating temperature	-20~50 ℃
	Waterproof rate	IPX6
	Gross weight (g)	175±5.1
	Protocol	5S
Additional functions	Type c	Charge couple
	Photosensitivity	√

2.2 Interface Definition



2.3 Display Outlet Cable Definition



Brown	P+ (Positive Pole of the Power)
White	key (Transmitting power-on signal, with power supply for the slave)
Green	TXD of the Display (connecting RXD of the Controller)
Orange	RXD of the Display (connecting TXD of the Controller)
Black	GND (Ground)

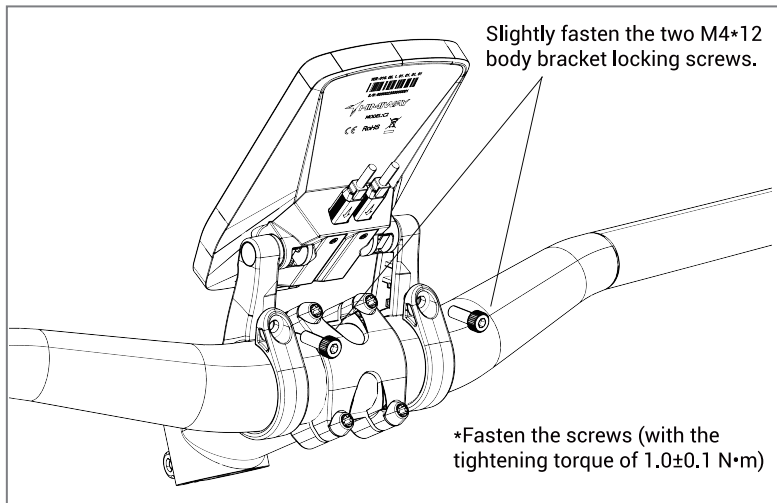
3. Instructions for Use

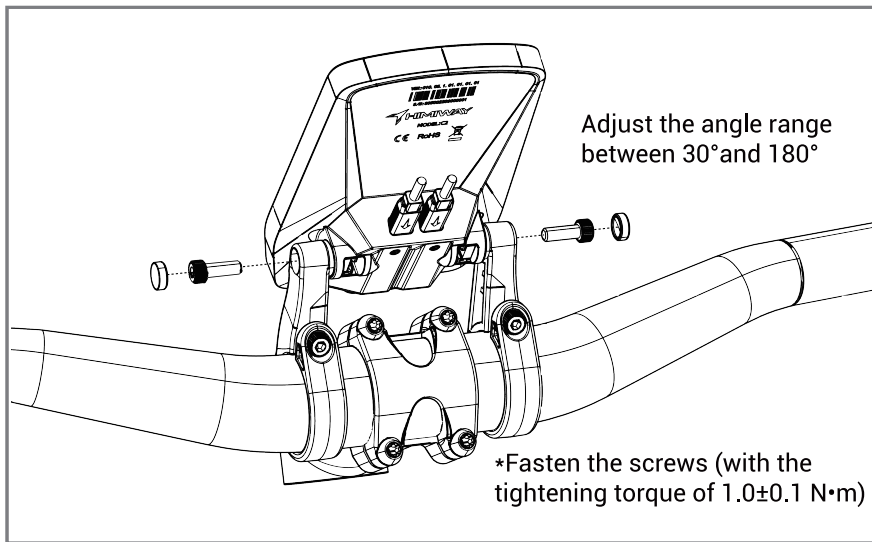
3.1 Installation Instructions

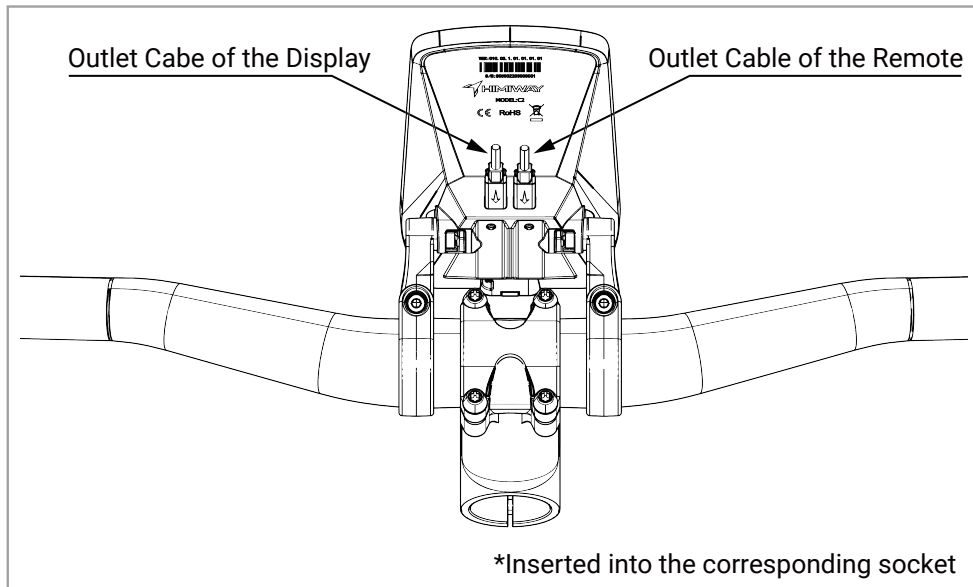
Display Body Installation:

- ① Take the Hi-Play out of the packing box and attach it together with the brackets to the handlebar, by slightly fixing the main bracket first with two M4*12 locking screws and an M4 hexagonal screwdriver.
- ② Then unscrew counterclockwise the M4 screw close to the display body until the latter can spin a bit to adjust the angle.
- ③ Insert each of the two connection cables into the corresponding interfaces. Then select the appropriate viewing angle and tighten the 4 screws.

④ Installation Diagram

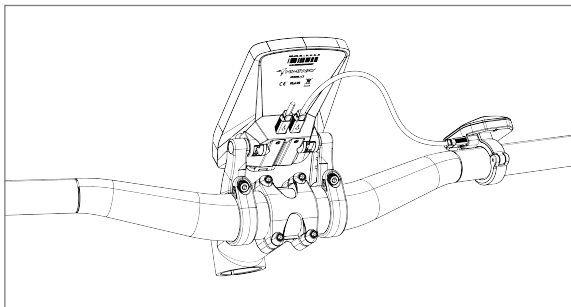


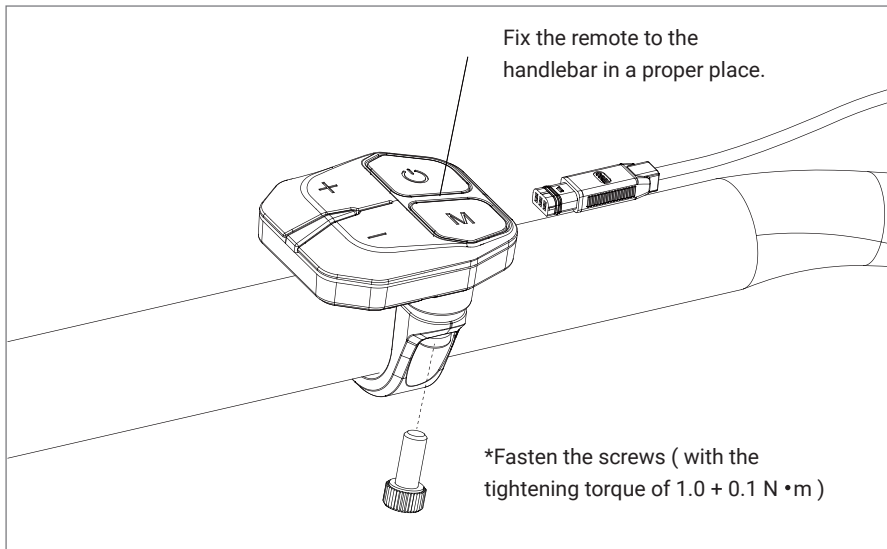




Installation of the Remote :

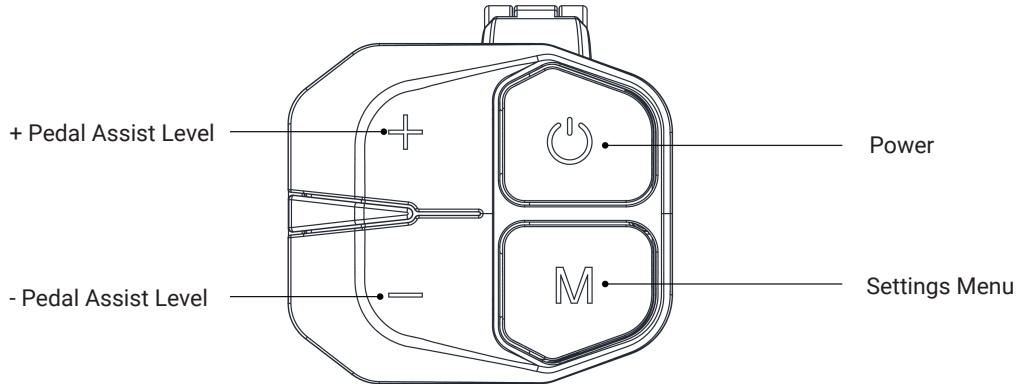
- ①. Take out the remote, open the remote holder and fix it to the handlebar in a proper place.
- ②. Use M4*10 locking screws to fix the remote holder with an M4 hexagonal screwdriver and then plug the corresponding cable from the display into the remote.



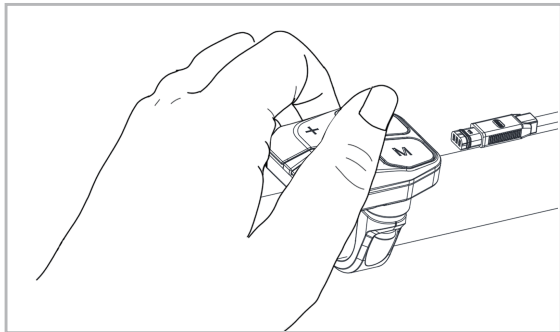



3.2 Normal Operation Instructions

Button Definition

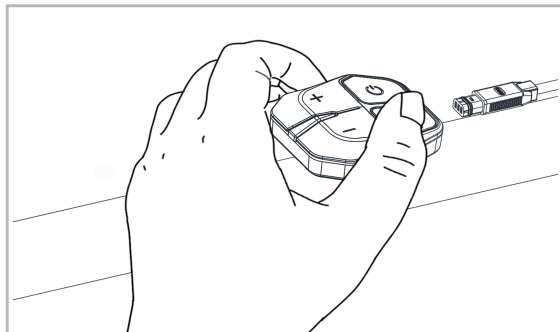


- Power On/Off



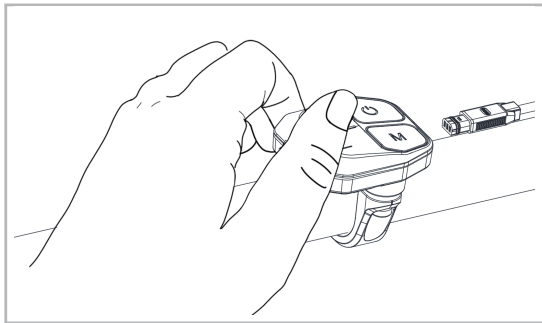
Press and hold the “” button for 2S to power on/off the instrument.

- Menu Settings



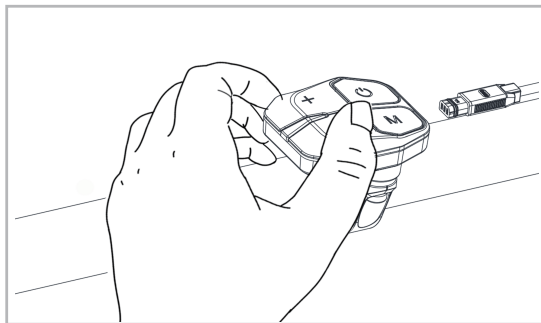
Long press “” to enter the setup UI.

- Gear Up



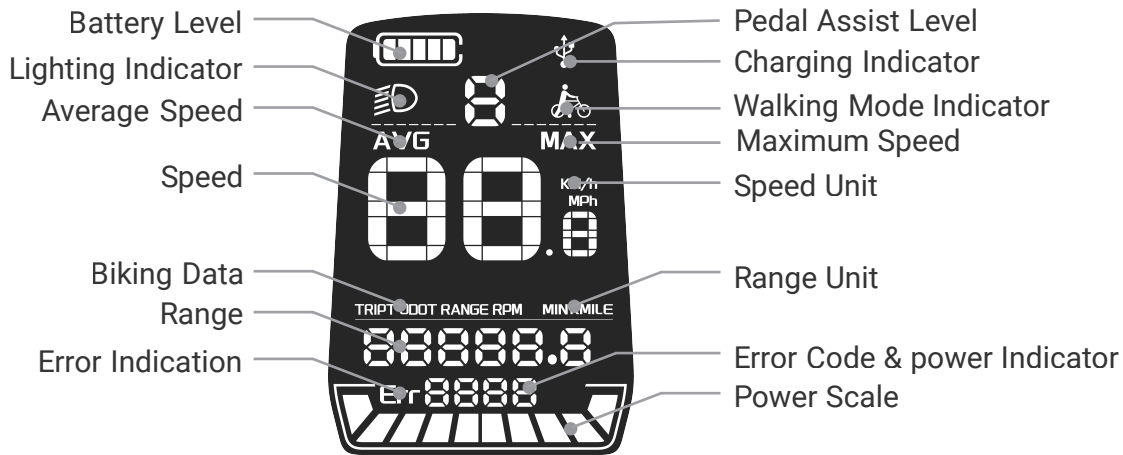
Click on “+” to raise the gear in turn from low to high. Long press the button to turn on the lamp.

- Gear Down



Click on “-” to lower the gear in turn from high to low. Long press the button to boost pushing the bike.



Function Display on the main UI




Functions Distribution Interface of Hi-Play

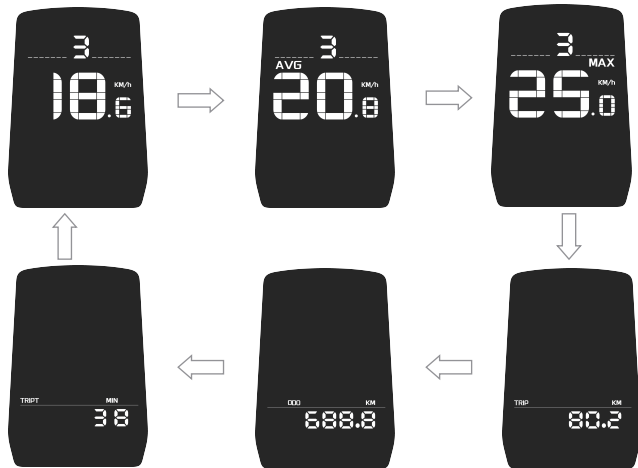
3.3 Setup Instructions

Power On/Off

Long press “  ” for 2S to start the display which will provide power supply for the controller. Long press “  ” for 2S to power off in the power-on state. The display does not consume the battery power and the leak current is less than 1uA in the power-off state. When the E-bike is not in use for over 10 minutes, the display will automatically shut down.



Display UIs (User Interfaces)

After the display is powered on, it will show by default the real-time speed and total mileage. Click on “  ” to switch the information of real-time speed (km/h), AVG (average speed) (km/h), MAX (maximum speed) (km/h), TRIP (single trip mileage) (km), ODO (total trip mileage) (km) and TRIPT (single trip time) (h/min). (See the following graphics for illustration with figures)



The Switched Display UIs

Boost Push

Press and hold “” for 2S and the E-bike will enter the electrically boost push state with a constant speed of 6 km/h. Meanwhile, the screen will show a “boost push sign”. Release “” and the E-bike will stop power output immediately and return to the previous state.

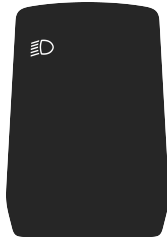


Display UI in Boost Push State

The boost push function can only be used when the user is pushing the bike. Please do not use this function in the riding state.

Lamp On/Off

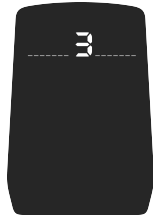
Long press “+” for 2S and the controller will turn on the headlamp. Long press “+” for 2S again and the controller will turn off the headlamp.



Display UI With the Lamp On

Boost Gear Selection

Click on “+” or “-” to switch the boost gears while changing the motor output. The default gears of the display instrument are Gear 0-5, with Gear 0 with no power output, Gear 1 with the minimum power output and Gear 5 with the maximum power output. When the boost gear is raised to 5, click on “+” again and the interface will still show figure 5 which flashes to indicate 5 as the highest gear. When the boost gear is lowered to 0, click on “-” and the interface will still show figure 0 which flashes to indicate the current gear as the lowest one. The default boost gear is Gear 1 when the display is switched on.



Boost Gear Selection

Battery Level Display

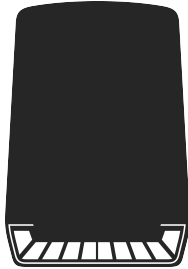
The battery level is displayed in five segments. When the battery is fully charged, all five segments of the LCD are illuminated. When the battery is under voltage, the displayed battery outer frame flashes at a frequency of 1HZ, indicating the need for immediate charging.



Battery Level Display UIs

Motor power indication (uploaded power with protocol support or real-time operating current and voltage)

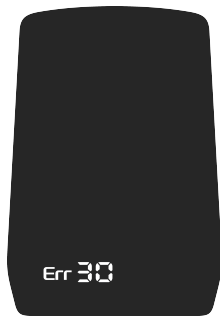
Motor output power can be known through the display. See the indication shown in the following graph.



Display UI for Motor Output Power

Error Code Display

When a fault occurs in the electric control system of the E-bike, the display will show an error code. Please see Attached Table 1 for the error code definition.



Error Code Display UI

When an error code is displayed, please make troubleshooting in a timely manner, or else the E-bike may not run properly with the trouble.

General Settings

Long press power button to switch on the bike. While the bike is stationary in the power-on state, press and hold the “+” and “-” buttons simultaneously for more than 2S to enter the general settings. Now the display is in the general settings state.

All the settings need to be made when the E-bike is stationary.

Reset the Single Trip Mileage

TC means resetting the single trip mileage. Press “+” or “-” to choose Y/N. Choose Y to reset the single trip mileage and choose N not to reset the single trip mileage. Click on “M” to confirm the option and enter backlight brightness.



Operation UI to Reset the Single Trip Mileage

Backlight Brightness

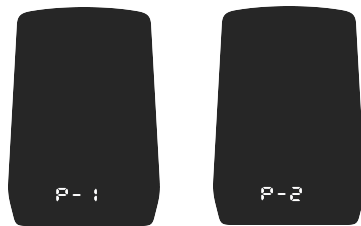
bL refers to backlight. 1, 2, 3, 4, 5 can be used to show different levels of the backlight brightness. 1 means the lowest brightness while 5 means the highest brightness. The default brightness level is 5. Select “+” or “-” to change the brightness level. Click on “M” to confirm the option and enter the auto lamp setting. Long press “M” to confirm the option and exit the general settings.



Backlight Setting UI

Auto Lamp

P is for auto lamp, 1 is for on and 2 is for off. Switch auto lamp by pressing “+” or “-” buttons. Click on “M” button to confirm the option and enter the imperial/ metric unit conversion setting. long press “M” to confirm the setting and exit the general settings. Auto lamp is off by default.



Auto Lamp Setting UIs

Imperial and Metric Unit Conversion

U is for unit, 1 for imperial units and 2 for metric units. Convert the speed and mileage units by pressing “+” or “-” buttons. Click on “M” button to confirm the option and enter the system voltage selection. Press and hold “M” to confirm the setting and exit the general settings. The default unit of the display is imperial.



Setting UI for Imperial and Metric Unit Conversion

System Voltage Selection

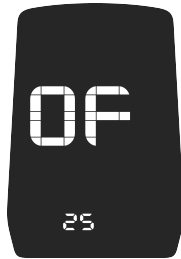
0 is for voltage, 1 for 36 V and 2 for 48 V. Convert the speed and mileage units by pressing “+” or “-”. Click on “M” to confirm and enter the metric voltage selection. Long press “M” to confirm and exit the general settings. The default voltage of the display is 48V.



System Voltage Selection UIs

Auto Off Time

The default auto off time of the display is 5min. This value can be changed to set the auto off time. OF is for auto off time from 0 to 40, which can be set by pressing “+” or “-” buttons. Long press “M” to exit the setting. 0 means no auto off.



Auto Off Time Setting UI

General parameter settings

Press and hold the “+” and “-” buttons at the same time for more than 2S and enter the general settings. Press and hold “-” and “M” again simultaneously for more than 2S and you will enter the advance setting UI.

Advanced Settings

When entering the advanced Settings screen, enter the password screen first. Enter the correct password to enter advanced Settings for modification.

Click the “M” button to shift, subtract input value by “+” or “-” button, after entering the 4-digit password, click “M” button to confirm, if the password is correct, enter the wheel diameter setting interface, otherwise, stay in the password input state. Default boot password 0510.



Password Setting UI

Wheel Diameter Setting

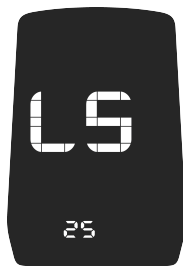
LD is for wheel diameter setting, with the optional values of 16, 18, 20, 22, 24, 26, 700C and 28. Select the corresponding wheel diameter by pressing “+” or “-”, so as to ensure the accuracy of speed and mileage on the display. The factory default wheel diameter value is 26*4.0 inch. (See the comparison table of wheel diameters to find the default perimeters). Click on “M” to enter the setting UI for speed limit.



Wheel Diameter Setting UI

Speed Limit Setting

The factory default value for the maximum riding speed is 25 Km/h. LS is for speed limit, with the optional maximum values from 12 Km/h to 25 Km/h. When the speed surpasses the set value, the controller will cut off power supply for the motor so as to ensure security of the rider. You can set the speed limit value by pressing “+” or “-”. Long press “M” to confirm and exit the setting.



LS Setting UI

Boot Password Setting

On the setting screen, hold down “+” or “-” for 2 seconds to enter the password enabling screen. Startup password after this function is enabled, the system restarts and enters “P1”, indicating the startup password. Click the “M” button to shift, subtract the value through “+” or “-” button, after entering the 4-digit password, click “M” button to confirm, if the password is correct, enter the cycling interface, otherwise, stay in the password input state. The default startup password is 0000.



Input UI of Boot Password

Boot Password to Be Enabled

Choose Y/N by pressing “+” or “-”. Y means that the boot password is required while N means that the boot password is not required. Click on the “M” button to confirm the decision. If Y is chosen, click on the “M” button to enter the password modification state, otherwise you will exit the password setting and return to the display setting UI. The factory default option is N.



UI for Boot Password to Be Enabled

Modification of Boot Password

Click on “ M ” to move and select the figure when “P3” is shown on the display. Press “ + ” or “ - ” to add/reduce the input value. Then long press “ M ” to confirm the modification and exit the setting UI. Restart the display and “P1, 0000” will be shown on the screen. The display will work only when correct password is entered.



Boot Password Modification UI

Exit Setup

Clicking on the “**M**” button (within 2S) in the setting state is to confirm the input and to save the current setting. Long pressing “**M**” (for more than 2S) is to confirm the current setting and to exit the current setting state. Long pressing “**⏏**” (for more than 2S) is to cancel the current operation and exit the setting, without saving the current setting data.

If no operation is performed within one minute, the display will automatically exit the setting state .

Attached Table 1: Error Code Definition Table

Error Code	Definition
21	Abnormal current
22	Abnormal handlebar steering
23	Missing motor phase
24	Abnormal hall signal of the motor
25	Abnormal braking
30	Abnormal communication

4. Warranty

Products that comply with the above warranty statement are not covered by the warranty if damage is caused out of any one of the following reasons:

- * Damage caused by conversion or improper use for competition or commercial purposes, or by misuse or abuse, or by traffic accidents
- * Damage incurred during customer transport;
- * Damage to products caused by improper installation, commissioning or maintenance;
- * Damage not caused by material or process problems, e.g. damage caused by improper use of the consumer;
- * Damage resulting in product appearance and surface changes, while such damage does not affect the function of the product;

- * Damage arising from repairs, installations, etc. not carried out by a HIGO-appointed repair point or dealer;
- * Damage caused by private dismantling;
- * Failures or damage caused by force majeure and natural disasters.

5. Warning

- ① Gently handle the product and prevent impact.
- ② Store the product in a dry and ventilated environment.
- ③ IPX6 waterproof is assured on the precondition that the cable harness connector is fully plugged.
- ④ Non-professionals are not allowed to disassemble this product in order to avoid unnecessary damage.

