



KEY-DISP

**E-bike Display
User Manual**

KD986

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Product Model

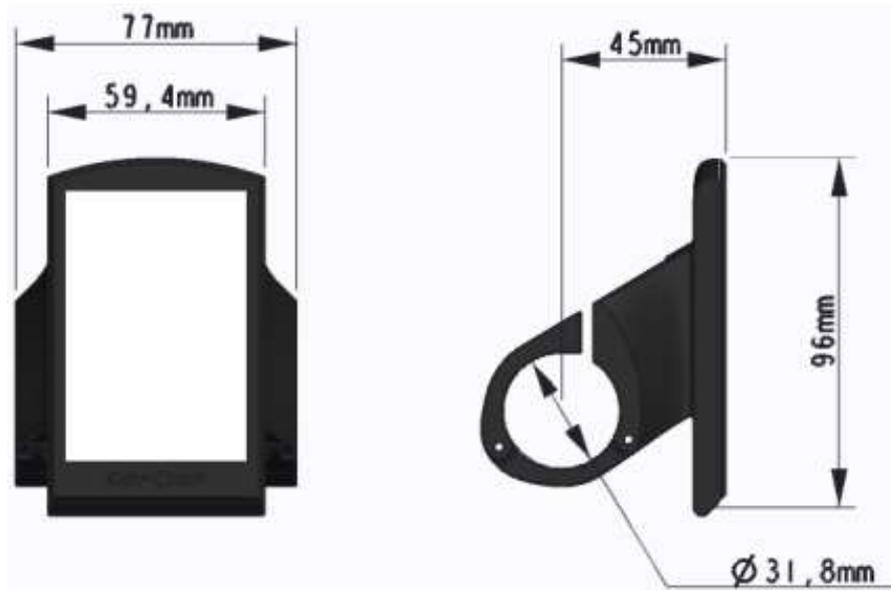
Intelligent TFT display for E-bike; model: KD986

Specifications

- 36V/48V 电源供电 36V/48V Power Supply
- Rated working current: 50mA
- The maximum working current: 200mA
- Off leakage current: $<1\mu\text{A}$
- Operating temperature: $-20\sim 60^{\circ}\text{C}$
- Storage temperature: $-30\sim 70^{\circ}\text{C}$

Appearance and Size

Display appearance and dimension drawing (unit: mm)



Function Summary

KD986 can provide a lot of functions to fit your needs. The indicating contents are as follows:

- Battery indicator
- Motor power indicator
- PAS level adjustment and indicator
- Speed function (incl. real speed, Max. speed and Avg. speed)
- Distance (Trip and ODO)
- 6km/h push assistance
- Riding time
- Backlight
- Error code
- USB connection
- Various Parameters Settings (e.g., wheel size, speed-limited, battery capacity setting, assistance level etc.)

General Operation

◆ Definition of Button

The KD986 display matches the K43 remote, and there are 4 buttons: including on/off, i key, plus key/headlight key, minus key/boost key; in the subsequent instructions, the word "ON/OFF" is used for the on/off key Replacement; the i button is replaced by the word "i"; the plus/headlight button is replaced by the word "UP"; the minus/boost button is replaced by the word "DOWN".

◆ Power on/off

After long pressing the "ON/OFF" button for 2 seconds, the display will turn on and the whole system will work normally. In the power-on state, long press the "ON/OFF" button to turn off the power of the e-bike.

■ **When parking the E-bike for more than 5 minutes, the E-bike system switches off automatically.**

◆ Display Interface

After switching on the E-bike system, the display will show Real Speed and Trip Distance(KM) as default. Pressing the "i" button to switch between following items:

Trip (Km) → ODO (Km) → Max. Speed (Km/h) → Avg. Speed (Km/h) → Riding Time (Min.)



Display Interface

◆6km/h Push-assistance

Hold the “DOWN” button will activate the push-assistance function, after 2s, the E-bike will travel at a uniform speed of 6 Km/h while the screen displays “”. The push-assistance function is switched off as soon as you release the “DOWN” button. The E-bike system stops the power output immediately, and back to the status before push-assistance mode.



Push-assistance Mode

◆Headlight

Press and hold the "UP" button for more than 2 seconds to turn on the headlights.

After turning on the headlights, the brightness of the backlight will decrease. Press and hold the "UP" button for more than 2 seconds to turn off the headlights and restore the brightness of the backlight.



Headlight Interface

◆ PAS level

Short press the "UP" or "DOWN" button to switch the power assist gear of the electric vehicle and change the output power of the motor. The default output power range of the display is PAS level 0-5. PAS level 0 stop power output, PAS level 1 is the minimum power, PAS level 5 is the maximum power. As shown in the figure, it is PAS level 1.



Assist Level Interface

◆ Motor Power

The power of the motor can be read via the interface, like the following picture.



Motor Power Display Interface

◆ USB connection

When the display is plugged into a USB external device, the meter will display the interface as shown in the figure below.



USB Connection Interface

◆ Error code

When the electronic control system fails, it will automatically display the error code. Here is the detailed message of the error code in **Attached list 1**.

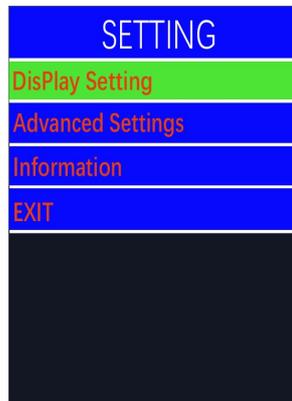


Error Code Interface

■When an error code is displayed, please remove the fault in time, the e-bike will not be able to run normally after a fault occurs

Parameter setting

Long press the "ON/OFF" button to power on. In the power-on state, when the e-bike is stationary, press and hold the "i" button for more than 2 seconds, and the display enters the setting state. Including Display setting (display settings), Advanced settings (advanced settings) and Information (software information)



Setting Interface

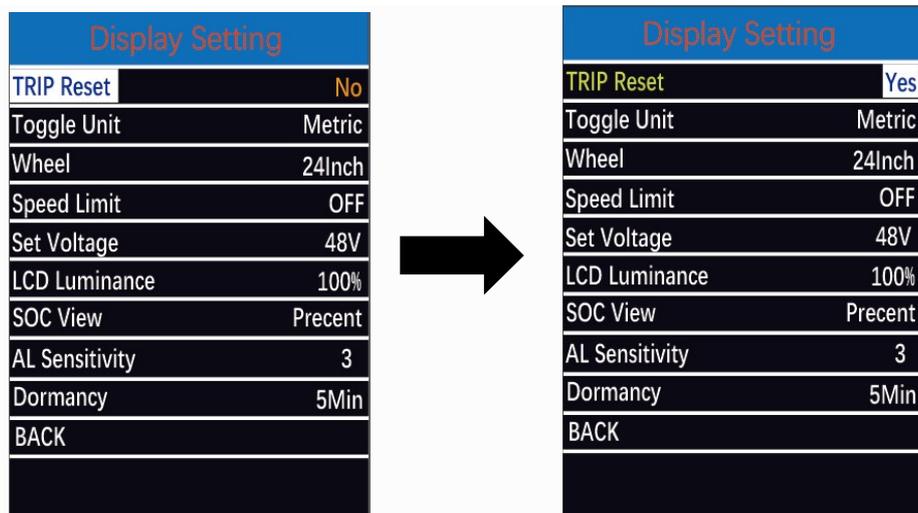
■ All the settings are operated on a parked e-bike.

Display settings

◆ Trip Reset

Short press "i" to confirm, short press "UP" or "DOWN" to switch between "NO (not clear)" and "YES (clear)"; (clear data includes maximum speed (MAXS), average speed (AVG), Trip (TRIP), riding time (Time)), short press "i" again after confirmation, save and exit to "TRIP Reset".

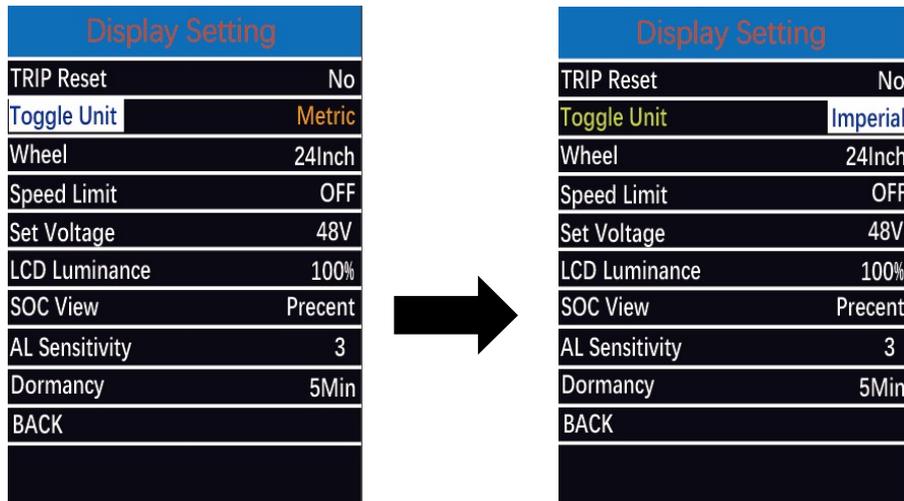
Press and hold the "i" key to exit to the main interface or press "BACK" to exit to the main interface. The above data will not be automatically cleared when the display is turned off or the e-bike is powered off.



Trip Reset Interface

◆ Toggle Unit

Press the “UP” button or the “DOWN” button to choose the “Toggle Unit”, and then press the “i” button to enter unit settings, press the “UP” button or the “DOWN” button to switch between “Metric” and “Imperial”, press the “i” button to save and exit “Toggle Unit”. The default value is “Metric”.



The diagram illustrates the 'Toggle Unit' interface. It consists of two side-by-side screenshots of a menu, connected by a large black arrow pointing from left to right. Both screenshots have a blue header 'Display Setting'. The left screenshot shows the 'Toggle Unit' option highlighted in blue, with the value 'Metric' displayed in orange. The right screenshot shows the 'Toggle Unit' option highlighted in blue, with the value 'Imperial' displayed in blue. The other menu items and their values remain identical in both screenshots.

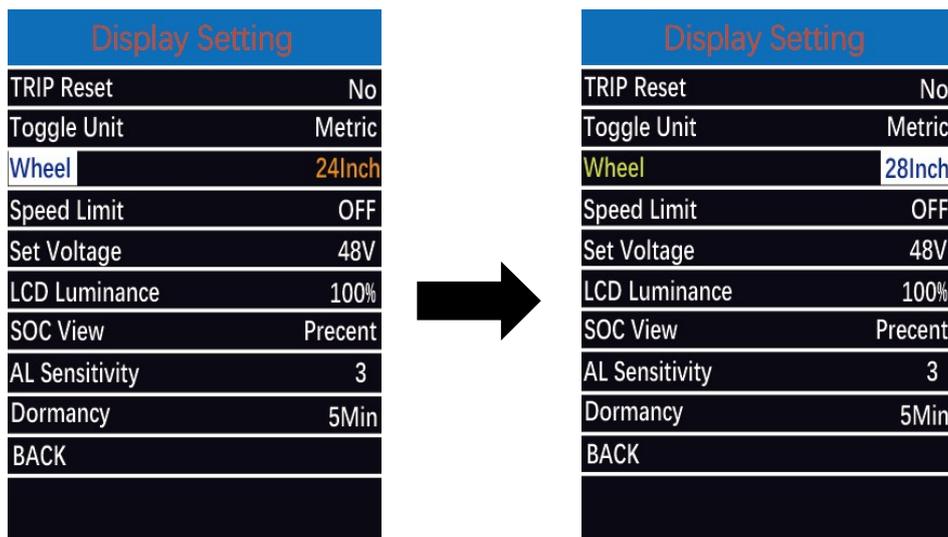
Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	

Display Setting	
TRIP Reset	No
Toggle Unit	Imperial
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	

Toggle Unit Interface

◆ Wheel Diameter Settings

“Wheel” represents wheel diameter settings. Press the “i” button to enter wheel diameter settings. To change basic settings, press the “UP” or the “DOWN” button to select the desired value. The values can be selected are “16” / “18” / “20” / “22” / “24” / “26” / “700c” / “28”, press the “i” button to save and exit “Wheel”.



The diagram illustrates the 'Wheel Diameter Settings' interface. It consists of two side-by-side screenshots of a menu, connected by a large black arrow pointing from left to right. Both screenshots have a blue header 'Display Setting'. The left screenshot shows the 'Wheel' option highlighted in blue, with the value '24Inch' displayed in orange. The right screenshot shows the 'Wheel' option highlighted in blue, with the value '28Inch' displayed in blue. The other menu items and their values remain identical in both screenshots.

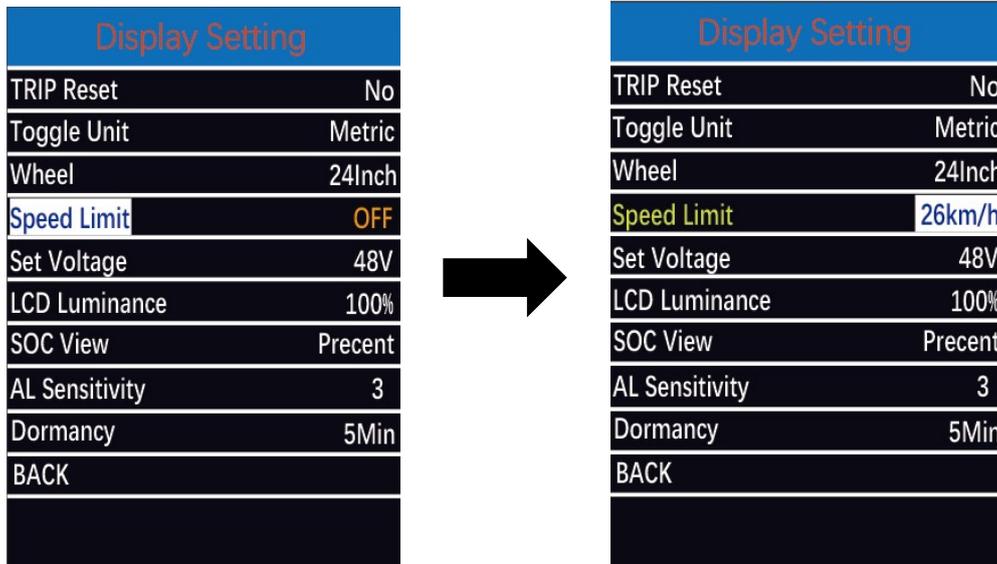
Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	

Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	28Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	

Wheel Diameter Settings Interface

◆ Speed Limited Settings

“Speed Limit” represents speed limit settings. Press the “i” button to enter speed limit settings. To change basic settings, press the “UP” or the “DOWN” button to select the desired value. The range is “12-39(km/h)/off”, the default value is no speed limited, press the “i” button to save and exit “Speed Limit”.



The diagram illustrates the process of navigating to the speed limit settings. It shows two side-by-side screenshots of the 'Display Setting' menu, connected by a large black arrow pointing from left to right. In the left screenshot, the 'Speed Limit' option is set to 'OFF'. In the right screenshot, it is set to '26km/h'. The 'Display Setting' menu includes options for TRIP Reset, Toggle Unit, Wheel, Speed Limit, Set Voltage, LCD Luminance, SOC View, AL Sensitivity, Dormancy, and a BACK button.

Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	

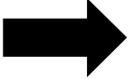
Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	26km/h
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	

Speed Limit Setting Interface

◆ Voltage Value Setting

"Set Voltage" represents the battery power setting, short press the "i" key to enter the battery power setting interface. Short press "UP" or "DOWN" to switch the voltage value to support 36V 48V, and then short press "i" to enter the voltage node switch, "31.5" is the first power value, by short pressing "UP" or "DOWN" button to increase /minus to change the value, short press the "i" button to confirm and enter the next power setting interface; after the 5 power values are set, short press "i" to save the settings and return to "Set Voltage".

Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	



Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	36V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	

Voltage Setting Interface

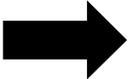
Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
1 - 40.0V	100%
2 - 44.5V	recent
3 - 46.5V	3
4 - 47.5V	5Min
5 - 49.0V	
BACK	

Voltage interface

◆ LCD luminance settings

"LCD Luminance", indicates the backlight brightness setting. Short press "i" to enter the setting, by short pressing "UP" or "DOWN", the backlight brightness range is "100%-75%-50%-30%-10%" 5 levels of brightness, 100% corresponds to the highest brightness, 10 % corresponds to the lowest brightness; short press "i" to save and exit to "LCD Luminance".

Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	



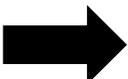
Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	75%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	

LCD Luminance Settings Interface

◆SOC settings

"SOC View" represents two display methods of remaining battery capacity. One is a percentage and the other is a voltage value. Short press the "UP" or "DOWN" button to select the desired display mode. Short press "UP" or "DOWN" to select voltage, percentage "Voltage"/"Percent" two modes, short press "i" to save and exit to "SOC View".

Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	



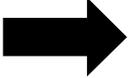
Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Voltage
AL Sensitivity	3
Dormancy	5Min
BACK	

Voltage Display Setting Interface

◆AL Sensitivity Settings

"AL Sensitivity" represents the sensitivity of light perception. To change the value, short press the "UP" or "DOWN" button to select the sensitivity value. The light sensitivity value range is "5-4-3-3-2-1-OFF", short press "i" to save and exit to "AL Sensitivity".

Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	



Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	4
Dormancy	5Min
BACK	

AL Sensitivity Setting Interface

◆ Auto Power-off Time

"Dormancy" represents the automatic shutdown time of the meter. Short press "UP" or "DOWN" to select "Dormancy", short press "i" to enter the setting, short press "UP" or "DOWN" to select the automatic shutdown time range, the automatic shutdown time range is "9-8-7- 6-5-4-3-3-2-1-OFF" (Min), short press "i" to save and exit to "Dormancy".

Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	5Min
BACK	



Display Setting	
TRIP Reset	No
Toggle Unit	Metric
Wheel	24Inch
Speed Limit	OFF
Set Voltage	48V
LCD Luminance	100%
SOC View	Precent
AL Sensitivity	3
Dormancy	6Min
BACK	

Auto Power-off Time Setting Interface

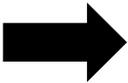
Advanced settings

◆ Assist Levels Setting

"Power Set" stands for power boost gear mode. There are 6 modes available: 0-3, 1-3, 0-5, 1-5, 0-9, 1-9. Change the assist gear range by short pressing "UP" or "DOWN",

short press "i" to save and exit to "Assist levels".

Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	



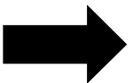
Advanced Settings	
Assist Levels	1-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	

Assist Levels Setting

◆ Current limit setting

"Current Limit" indicates the current limit value setting. The adjustable range is "6A-20A". Change the maximum current value of the controller by short pressing the "UP" or "DOWN" key. Short press "i" to save and exit to "Current Limit".

Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	



Advanced Settings	
Assist Levels	0-5
Current Limit	16A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	

Current Limit Settings Interface

◆ PAS Sensor Magnetic Steel Number Settings

"Assistant Num" represents the number of sensor magnets. Short press the "UP" or "DOWN" key to modify the setting, the range of the magnetic steel number of the assist sensor is "05, 08, 12", short press "i" to save and exit to "Assistant Num".

Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	



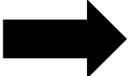
Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	05
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	

PAS sensor number settings

◆ Speed Sensor Settings

"Speed Sensor" represents the speed sensor setting. Short press the "UP" or "DOWN" key to select the number of magnetic heads, and the setting range is "01-99". Short press "i" to save and exit to "Speed Sensor"

Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	



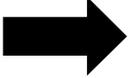
Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	99
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	

Speed Sensor Setting Interface

◆ Start Strength Setting

"Start Strength" indicates the start strength setting. Select the desired value by short pressing the "UP" or "DOWN" key. The range is "5-4-3-2-1-0", short press "i" to save and exit to "Start Strength"

Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	



Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-1-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	

Start Strength Setting Interface

◆ Assist Sensitivity Setting

"Sensitivity" stands for assist sensitivity. Select the assist sensitivity value by short pressing the "UP" or "DOWN" button. The power assist sensitivity range is "3-24", short press "i" to save and exit to "Sensitivity".

Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	



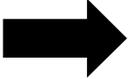
Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	9
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	

Assist Sensitivity Setting Interface

◆ Reset To Defaults Setting

Short press "UP" or "DOWN" to select "Reset to defaults", short press "i" to enter the setting, short press "UP" or "DOWN" to switch between "YES" (restore factory settings) / "NO" (do not restore factory settings), short press "i" to save and exit to "Reset to defaults".

Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	



Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	3
Reset to defaults	YES
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	

Reset To Defaults Setting Interface

◆ Password Setting

Short press "UP" or "DOWN" to select "Password", short press "i" to enter the setting, then short press "i" to select Start PassWord; short press "UP" or "DOWN" to switch " OFF (closed)"/"ON (open)", the following is the specific switching method.

Password	
Start Password	OFF
BACK	

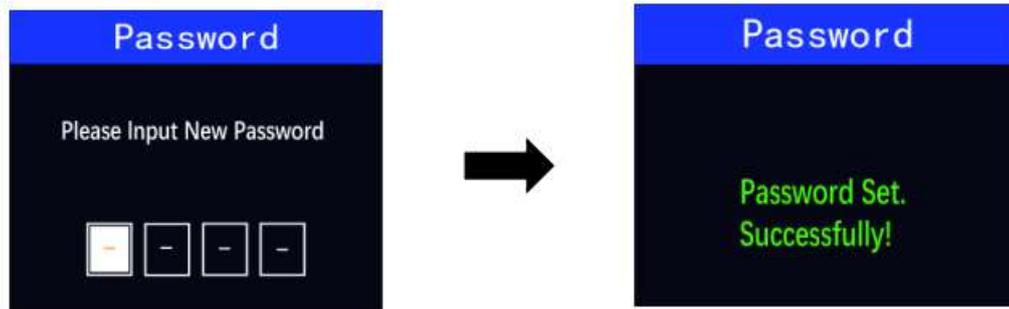


Password	
Start Password	ON
BACK	

Password Setting Interface

◆ Power-on Password Enable

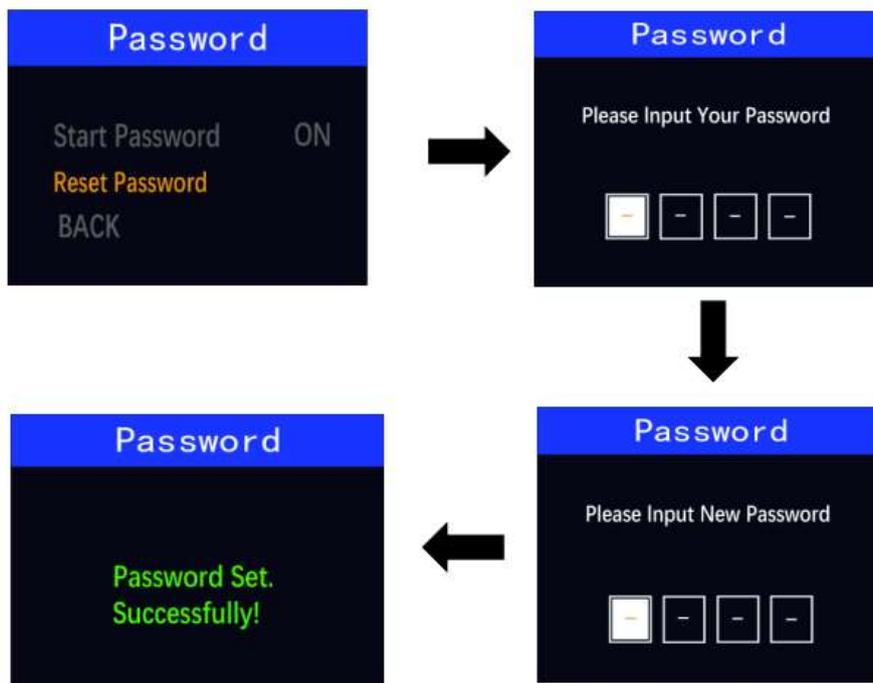
After selecting "ON" in the "Start PassWord" interface, short press "i" to confirm, the interface prompts to enter the password, short press "UP" or "DOWN" key to enter the value, short press "i" key to shift, 4 digits After the password is entered, short press the "i" key to confirm; the interface prompts to enter the password again. **After** the two inputs are consistent, the system prompts that the password is set successfully. If the two inputs are inconsistent, you need to repeat the first step to enter a new password and confirm. After the 2S interface automatically jumps to the original setting interface



Password Enable Setting Interface

◆ **Reset Power-on Password**

After the password is enabled, the "Pass word" interface will add a "Reset Password" option, press "UP" or "DOWN" to select "Reset Password", press "i" again to confirm, and the interface reminds to enter the current password. After the input is correct, the interface reminds to enter a new password, and the subsequent operations are consistent with the new password settings. After the password is successfully modified, then 2S the interface automatically jumps to the original setting interface.



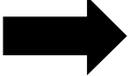
Power-on Password Resetting Interface

◆ **Zero Start Setting**

Short press "UP" or "DOWN" to select "Zreo Start", short press "i" to enter the

settings, short press "UP" or "DOWN" to switch between "YES" (zero start) / "NO" (non-zero start), short press "i" to save and exit to "Zreo Start".

Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	2
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	



Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	2
Reset to defaults	YES
Password	>
Zreo Start	NO
Drive Mode	P/T Override
BACK	

Zero Start Setting Interface

◆ Drive Mode Setting

Short press "UP" or "DOWN" to select "Drive Mode", short press "i" to enter the setting, short press "UP" or "DOWN" to switch between "P/T Override" (coexistence) / "PAS Only" (assist Drive) / "Throttle only" (electric drive), short press "i" to save and exit to "Drive Mode".

Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	2
Reset to defaults	NO
Password	>
Zreo Start	YES
Drive Mode	P/T Override
BACK	



Advanced Settings	
Assist Levels	0-5
Current Limit	15A
Assistant Num	12
Speed Sensor	01
Start Strength	-5-
Sensitivity	2
Reset to defaults	YES
Password	>
Zreo Start	YES
Drive Mode	Throttle only
BACK	

Drive Mode Setting Interface

Information (hardware version)

Short press the "i" key to enter "Information", you can view the software information. Press and hold the "i" key to exit to the setting interface or press "BACK" to exit to the

setting interface.



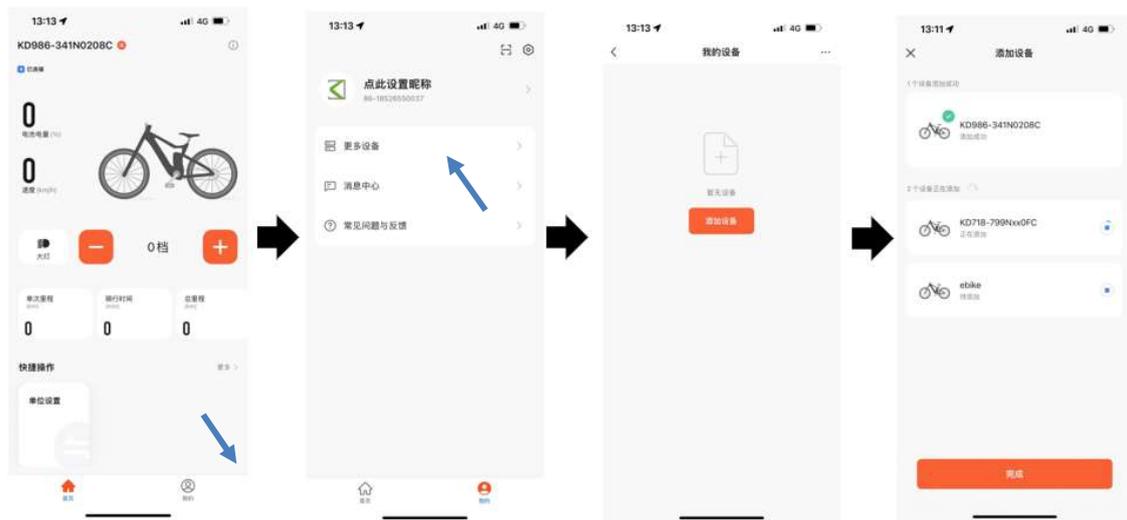
Hardware Version Interface

Remarks: The software version number is only used for internal retrospective use of Key-Disp

Bluetooth Function

◆ Add Bluetooth Device

Open the Key-Disp APP and enter the APP homepage, click "My-More Devices-Add Device" to search for Bluetooth to add the display, click "Searched Bluetooth Devices-Finish", the display will show the  symbol, which means the connection is successful.



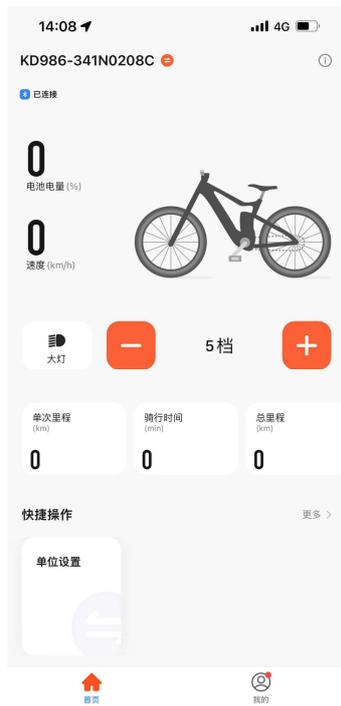
The Bluetooth device is added successfully Interface



Bluetooth Connection Success Interface

◆ Adjust the PAS Level

After the Bluetooth connection is successful, you can use the "+" and "-" functions in the Key-Disp APP to increase or decrease the PAS level of the e-bike to change the output power of the motor. PAS level 0 means no power assist output.

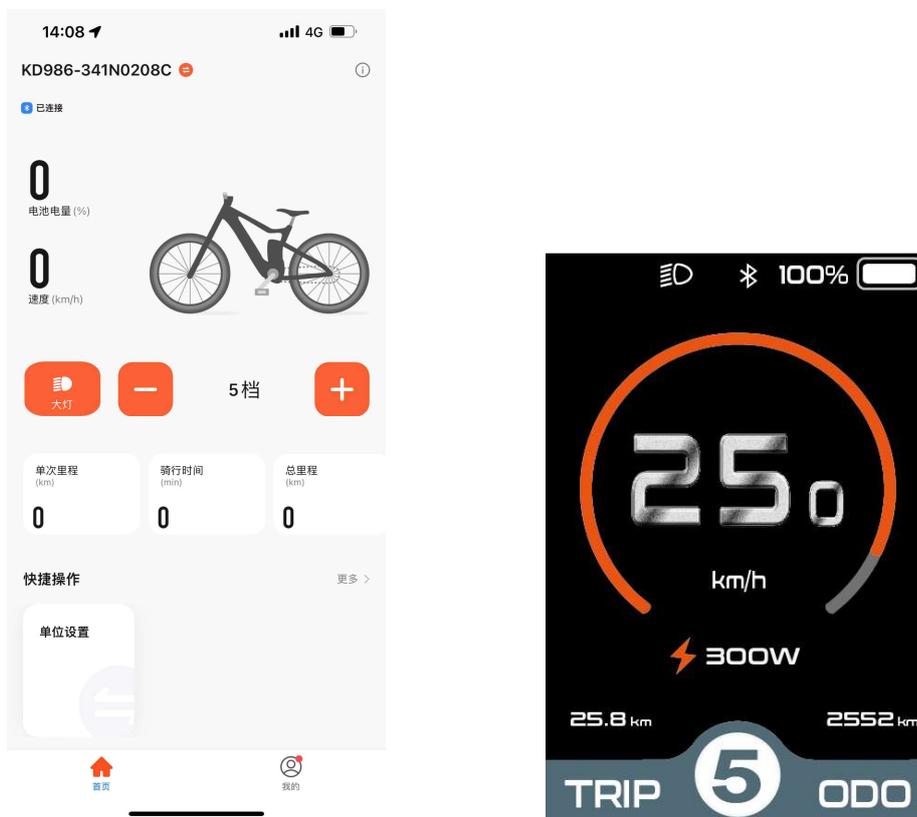


Adjust the PAS Level by APP

◆ Turn on the Headlight

After the Bluetooth connection is successful, you can turn on the headlights through the "Headlights" function of the Key-Disp APP. After turning on the headlights, the brightness of the backlight will decrease. Click "Headlights" again to turn off the headlights,

and the brightness of the backlight will return to the original brightness.



Turn on the headlight by APP

◆ Multi-system switching

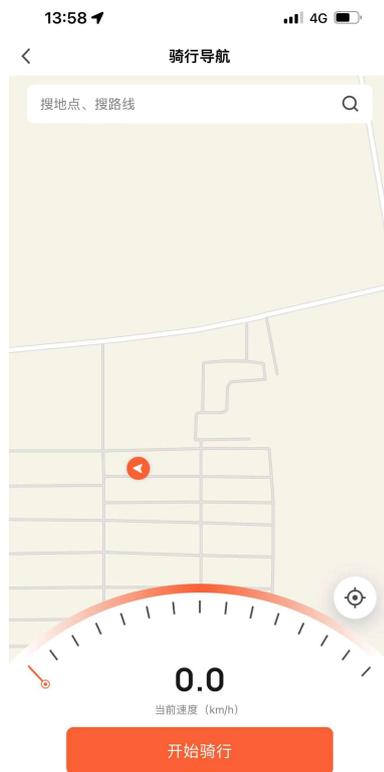
After the Bluetooth connection is successful, multiple Bluetooth systems can be switched through the Key-Disp APP.



Multi-system switching Interface

◆ Navigation interface

After the Bluetooth connection is successful, you can open the navigation interface through the "map navigation" function of the Key-Disp APP, enter the destination, and the display will synchronize the mobile phone navigation interface.



Connect display navigation interface by APP

Find MY

◆ Search for FIND MY

- 1) Press and hold the "+" button for more than 3s, release it, and trigger network distribution;
- 2) Use the Find APP of the Apple mobile phone to search for FIND MY.



◆ Find MY Unbinding method:

1. First, remove the item on the iPhone-Find APP.
2. Power on the meter again. After power-on > 40s, press and hold "+" for 15s and release it, and the unbinding is complete. Then use the search app to search again to verify whether the unbinding is successful.

Quality Assurance and Warranty Scope

I Warranty

- (1) The warranty will be valid only for products used in normal usage and conditions.
- (2) The warranty is valid for 24 months after the shipment or delivery to the customer.

II Others

The following items do not belong to our warranty scope.

- (1) The display is demolished.
- (2) The damage of the display is caused by wrong installation or operation.
- (3) Shell of the display is broken when the display is out of the factory.
- (4) Wire of the display is broken.
- (5) The fault or damage of the display is caused by the force majeure (e.g., Fire, Earthquake, etc.).
- (6) Beyond Warranty period.

Connection Layout

Connector line sequence



Line sequence table

Line	Color	Function
1	Red (VCC)	+
2	Blue (K)	Lock
3	Black (GND)	-
4	Green (RX)	RX
5	Yellow (TX)	TX

■Some wire use the water-proof connector, users can not see the inside color.

Operation Cautions

Be careful of safe use. Don't attempt to release the connector when battery is on power.

- Try to avoid hitting.
- Do not modify system parameters to avoid parameters disorder.
- Make the display repaired when error code appears.

This operating instruction is a general-purpose version. Some of the version for the display software will be different from the specification, which should depend on the actual use version.

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

Attached list 1: Error code definition

Error	Definition
21	Current Abnormality
22	Throttle Abnormality
23	Motor phase Abnormality
24	Motor Hall Signal Abnormality
25	Brake Abnormality
30	Communication Abnormality