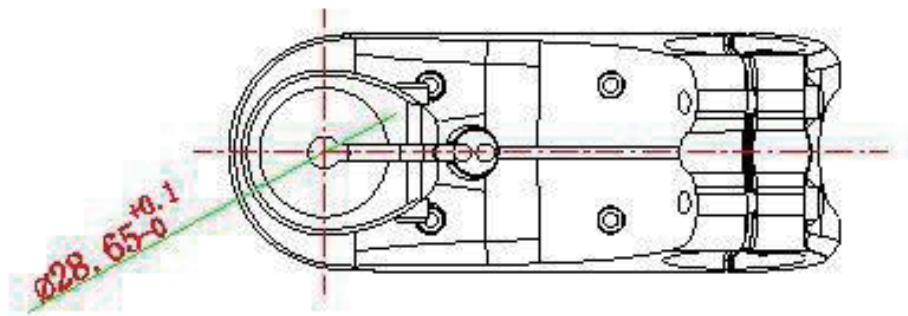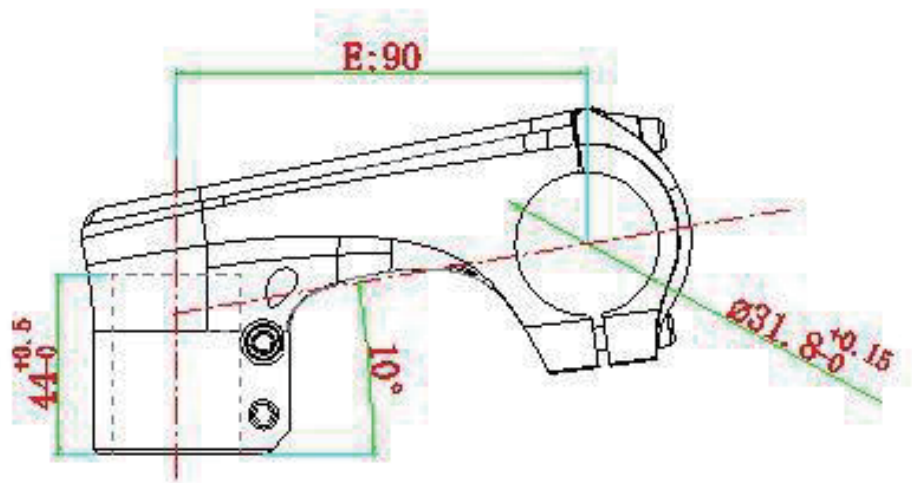# E-Bike Display User Manual

A technology company specialize
in the production of digital aheadset stem

Assistant level

1 2 3 4 5

26
mph km/h

Speed

Power Status

00001

POWER

+

−

Three views of the meter

135.2

53

E:90

$44_{-0}^{+0.5}$

10°

$\varnothing 31.8_{-0}^{+0.15}$

36.5

$\varnothing 28.65_{-0}^{+0.1}$
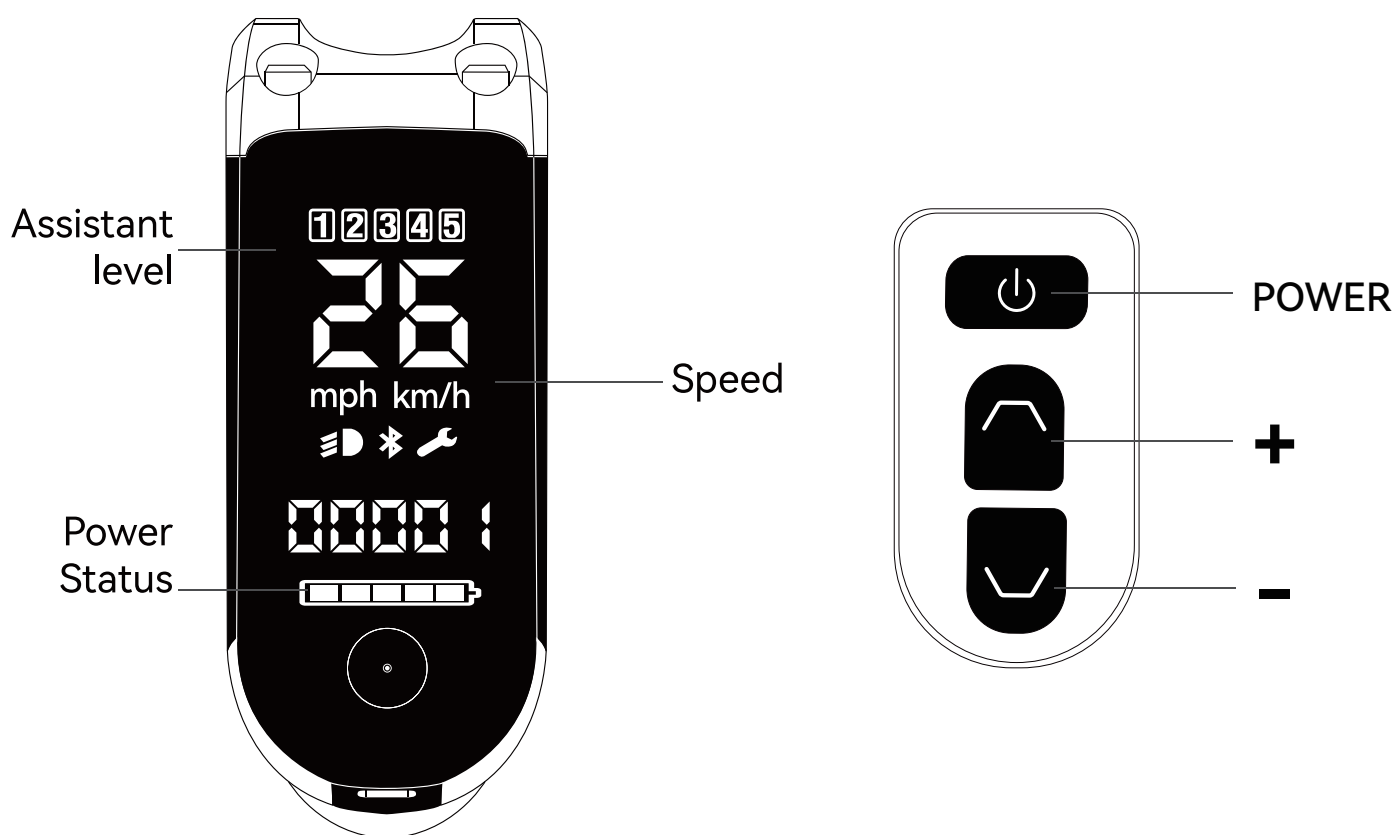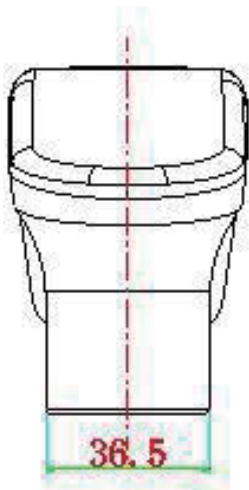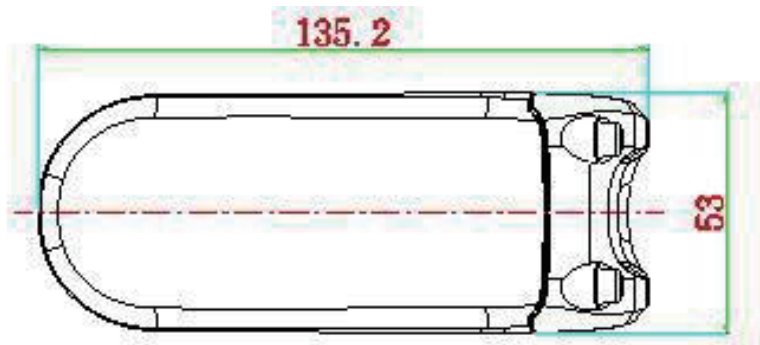
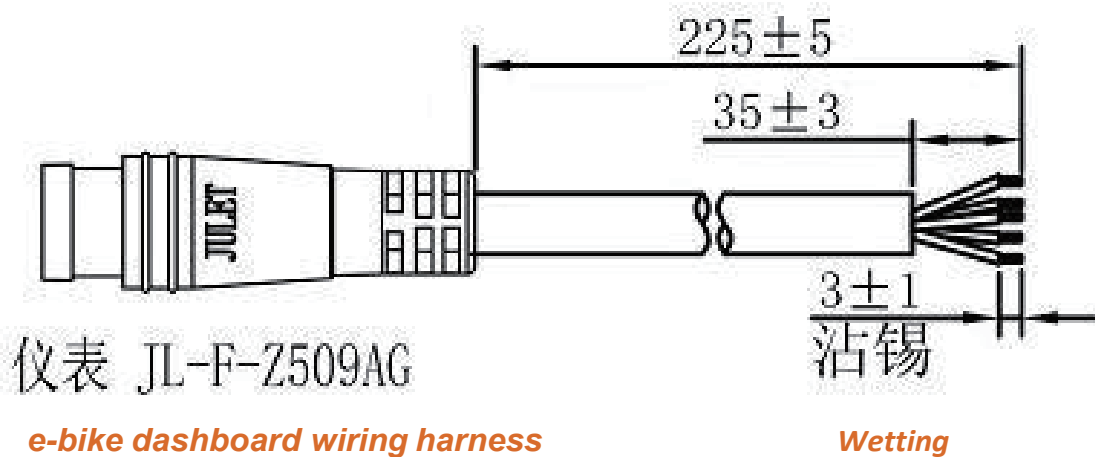# I. Appearance and material

The stem is made of aluminum alloy, and the plastic shell is PC+ABS, high-strength material.

II. Operating voltage

Working voltage: DC:36/48.

III. Wiring method

225±5

35±3

JULET

仪表 JL-F-Z509AG

3±1

沾锡

e-bike dashboard wiring harness   *Wetting*

Connection diagram

annotation :

yellow:TX
green :RX
black :GND
blue :DMS
red :VCC

red   blue

Waterproof connector

black   yellow   green
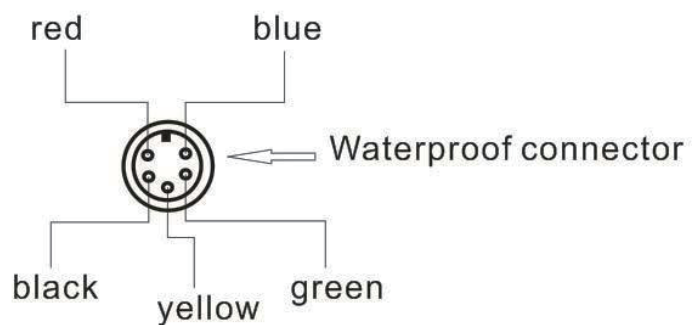
IV. Function Description

1. Display function

Speed display, power indicator, fault prompt, gear position display, light on display, Bluetooth connection prompt; the following are displayed by APP:

voltage display,single mileage, total mileage, battery percentage

2. Control and setting functions

Close to unlock (system level induction, proximity sensor does not need to open APP after Bluetooth matching), support subsequent OTA upgrade, can set induction distance, power switch control, idle automatic dormancy time setting, daytime display brightness, night display brightness, light control, shift control, password enabled, password setting, unit setting, support charging mobile phone.

3. Communication method: UART

4. All content of display (Full display in turn-on 1S)

V.Display Function

1. Full display function
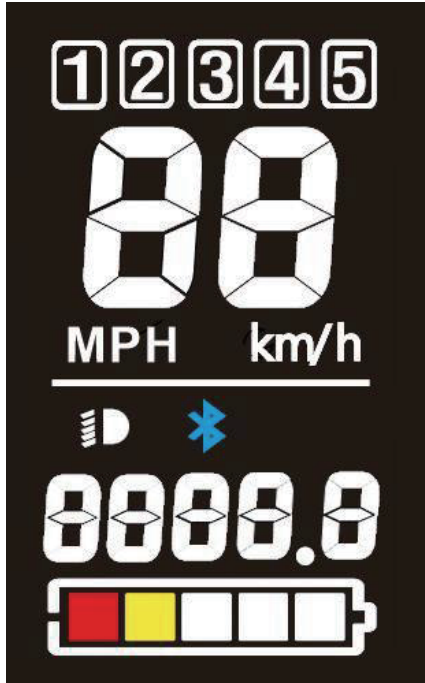
2. Speed in a unit of mph / k

3. Display voltage status level

4. Mileage display

5. Vehicle gear display
(0 gear is not displayed)

6. Turn on the light display

7.Bluetooth Connection Tips

8. Fault Display

E1: Motor fault

E2: Controller failure

E3: Brake lock fault (or brake

prompt)

E4: Speed control handle fault

E5: The controller did not receive the instrument

data failure

E6: The instrument does not receive the controller

data failure

VI.Key Function

1. Short press POWER button to start the display, and then long press for 1-2s after power on to turn it off;
2. After turning on the display, press the POWER button once to turn on the light;
3. After turning on the display, press the "+" button to control the assistant level, and each press increases one level; conversely, press the "-" button to decrease one level.
4. After powering on, press and hold the "-" button for more than 5s to enter 6 km/h cruise. Booster mode. (At the same time, this operation tests whether the motor can work properly. Take care to lift the rear wheels.).
5. Press and hold the POWER button and "-" button for 20s at the same time to unbind the E-bikes from all mobile phones (This function is used when you cannot unbind the E-bikes from all mobile phones).

VII.Password   Input

1.The vehicle has a password enabled (this function is turned on in the APP operation). (to enable this function, please turn on the automatic unlocking in the APP, and match the mobile phone (the proximity sensor of the automatic unlocking can save the user from entering the password))

Situation 1:   The mobile phone is nearby, and it can be turned on with a short press, and there is no need to enter a password; (safe and convenient)

Situation 2:   The mobile phone is not nearby, and the vehicle will prompt to output the password when starting up the vehicle: (the unlocking method used when the user does not bring the mobile phone or the mobile phone is out of battery)

2. Password input method: short press POWER to confirm, short press MODE to adjust the password value
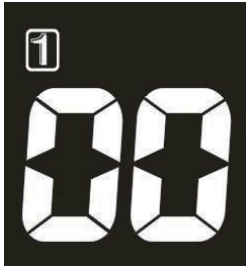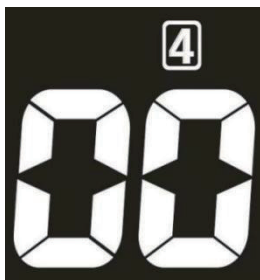
Represents the thousands digit of the 4-digit password
(the number on the left will flash at this time)
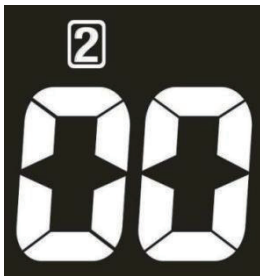
Represents the hundreds digit of the 4-digit password

(the number on the right will flash at this time)

Represents the tens digit for entering a 4-digit password

(at which point the number on the left blinks)

Represents the ones digit of the 4-digit password
(the number on the right will flash at this time)

VIII.APP function

Vehicle related information is all in the APP, vehicle start, password activation, timeout shutdown, unit switching, headlights on, gear setting, total mileage check, keyless sensor start, OTA upgrade, etc.

The picture below is a simple display of the APP. For more information, please download the APP experience.
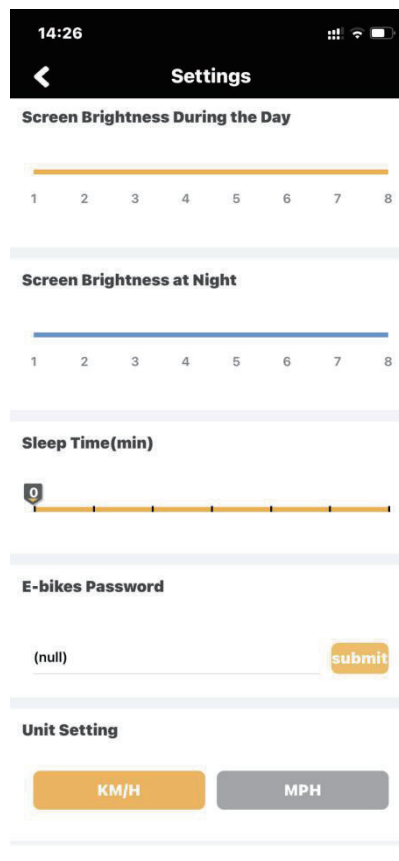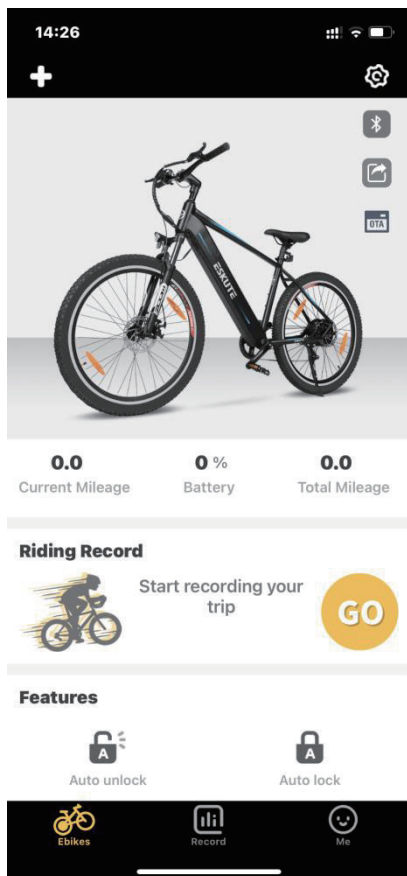
IX.Product Protection Period

The product protection period is 1 year.