

# **USER MANUAL**

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# 1. Preface

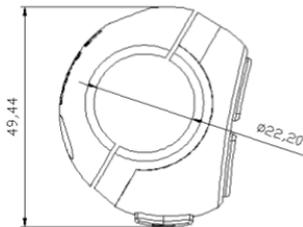
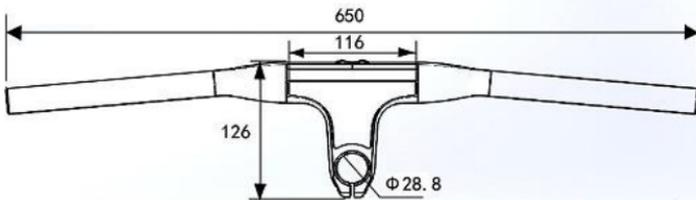
Dear User

To ensure the best performance of your e-bike, please read through the entirety of this user manual carefully before use. This user manual covers: Hardware installation, set up and normal operation. It will also help to limit any confusion and assist in you to resolve any malfunctions.

# 2. Appearance and Dimensions

JUST ONE'S housing material is made from PC plastic with a working temperature range of -20°C to 60°C. This material ensures good mechanical performance of the product.

Display Dimensions and Installation (Unit: mm)



The N3-button is connected to the bottom of the JUST ONE via a cable.

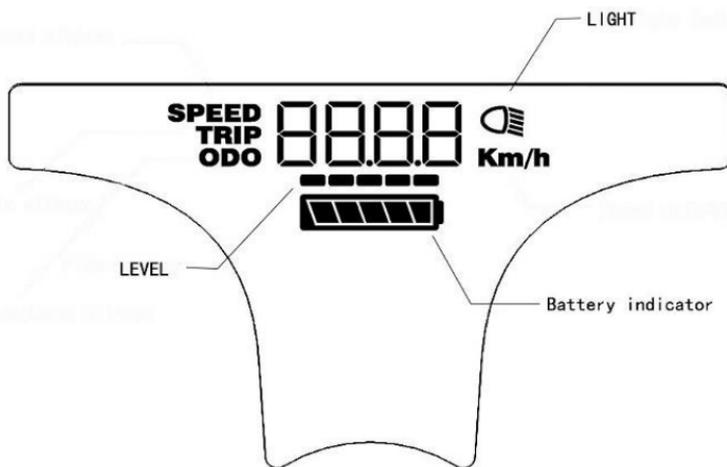
In the following introduction,  is “M”,  is “UP” and  is “DOWN”.

### 3. Functions Summary

Functions:

- ◆ Battery indication
- ◆ Speed indication (Real time, Max and Average)
- ◆ Distance indication (Current trip and Total distance);
- ◆ PAS level
- ◆ Single trip distance reset
- ◆ Headlight toggle
- ◆ 6km/h Push assistance
- ◆ Error Codes
- ◆ USB charging
- ◆ Customizable parameters such as: Wheel diameter, Speed limit

## 4. Display Content



JUST ONE interface

## 5. Precautions

Take care when using the display and do not connect/disconnect it while the power is on.



Avoid striking or knocking the display



Do not remove the waterproof film attached to the display as this may impair its waterproofing.



In the case of errors or malfunctions the display should be returned to your local supplier for repairs/replacements.

## **6. Installation**

Fix the JUST ONE to the front fork stem and then attach the N3-button to JUST ONE and adjust to an appropriate visual angle. Ensuring the power is off and match display connector with controller connector.

## **7. Operation**

### **7.1. Power On/Off**

Press and hold M for several seconds to toggle the power on or off to both the display and controller. While the power is off, the display will no longer consume power with a leakage current is less than 1uA.

**The bike will be shut down automatically if it is left idle for 10 minutes.**

### **7.2. Selecting Speed Mode(Speed/Trip/ODO)**

On turning on the display the default mode is current speed. Pressing M will cycle through the other modes in the order of: current speed→Single trip→ODO. If the current speed is over 0 km/h, after 2 seconds the mode will return to Current speed.



Speed



Single (TRIP)



ODO

### 7.3. Toggle Headlight

Press and hold **U** for short time to toggle on/off the headlight.



Light on

## 7.4. Push Assistance 6km/h

Press and hold **DOWN** to enable the push assistance mode. The motor will cause the bike to travel at 6km/h.



6km/h illustration

## 7.5. PAS Level

Press **UP** and **DOWN** to alter the PAS level, changing the output power of the motor. The range of PAS levels is 1-5.

Level 1 is being the lowest and level 5 the highest. The default level is level 1.



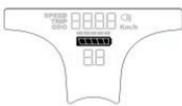
Level 1



Level 3

## 7.6. Battery Indication

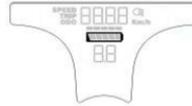
When the battery is full, all five segments of the battery will be illuminated. When the battery is critically low, the battery will have no segments and will flash.



Full



Low power



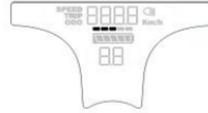
Under voltage

Empty

## 7.7. USB Charging

There is a USB port on back of the display that can be used for charging mobile phones and other electronics. The standard output voltage is 5V with a max current of 500mA.

The USB port will continue to function even when **JUST ONE** is powered off, so long as the battery is still connected and on. While charging the red led at the bottom of the screen will flash. While powered on press **M** and **D** to enter into charging mode. When charging is completed, this function will exit automatically.

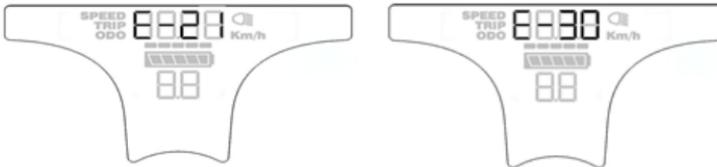


Char

ging interface

### 7.8. Error codes

When the system encounters an error, the display would show the relevant error code. Only once the problem/s has been resolved will the display return to normal functionality. The e-Bike will cease functioning so long as an error code is shown.



Error codes

| Error code | meaning          | solutions                                       |
|------------|------------------|---|
| 21         | Abnormal Current | Check if the phase of motor is short circuiting |
| 22         | Abnormal         | Check that the throttle is not in it's          |

|    |                        |  |
|----|------------------------|--|
|    | Throttle               | active state   |
| 23 | No-phase state         | Check if the phase wire is normal<br>Check if the cable is firmly connected with controllers   |
| 24 | Abnormal Hall signal   | Controllers without hall sensors:<br>Check that the phase wire is normal<br>Controller with hall sensors: check if the hall wire is normal |
| 25 | Abnormal Brake         | Check that the brake is not being applied  |
| 30 | Abnormal Communication | Check if the display and controller are connected properly   |

## 8. Settings

While powered on, press and hold **U** and **D** for 2 seconds to enter into the settings. Press **M** to exit.

### 8.1. Wheel size and speed limit

The first setting is the speed limit. Pressing **U** or **D** to select a value and press **M** to set it. Pressing **M** will also move to the next setting in the following order: Speed limit (km/h) → Wheel size(inch)→ Speed limit.

Optional settings of wheel sizes include: 16 inch、18 inch、20 inch、22 inch、24 inch、26 inch、700C、28 inch. The default value is 26inch. Please press UP and DOWN to change the wheel size and then press MODE to confirm, entering into next setting.



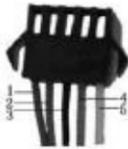
#### Wheel size setting

Speed limit setting will set the Max speed of the bike. When the bike exceeds the setting speed, the controller will stop the outputting of the motor to protect the riders. The optional speed setting range from 12Km/h to 40Km/h. The default Max speed is 25Km/h. Please press UP and DOWN to change the value, then pressing Mode to confirm, entering into next setting.



Speed limit

## 9. Wire Sequences



Terminal



Male Connector



Female Connector

### Wire sequence of standard connectors

| No. | Wire Colours | Function                  |
|-----|--------------|---------------------------|
| 1   | Red (VCC)    | Power cable of display    |
| 2   | Blue(K)      | Power cable of controller |
| 3   | Black(GND)   | GND                       |
| 4   | Green(RX)    | Data In                   |
| 5   | Yellow(TX)   | Data Out                  |

Remarks: Display may use waterproof connector, in this case the wires cannot be seen.

## **10. Product Code**

The Product Code is usually on the back of display in two rows:

Row 1: 500101201.

5001 indicates the customer code,  
008 indicates the item code of JUST ONE  
01 indicates the version number for the current customer

Row 2: 2016-07-1301

2016-07 indicates the production date  
1301 indicates the default software version of the display

## **11. FAQ**

**Q:** Why can't I turn on the display?

**A:** Please check if the display cable is connected with the controller.

**Q:** How do I deal with the error codes?

**A:** Contact your local e-bike dealer for maintenance.

## **12. Warranty and Coverage**

1. Any fault with the product as a direct result of the quality will be replaced.
2. Warranty period: 24 months from the delivery time of the display from the factory.

### **The following circumstances are not covered by the Warranty.**

1. Opened case
2. Damaged connector
3. Scratched or damaged case after delivery
4. Scratched or damaged cables
5. Malfunctions or damage caused by force majeure or natural disasters
6. outside the warranty period

## **13. Version**

This manual has been based on the general-purpose software (version V1.0) by Tianjin KING-METER Electronic Co., Ltd. Some versions of the display may appear and behave slightly different depending on the hardware and software versions.