

Section 1. Feature Description

1. The phone's Bluetooth connection to the instrument projection feature does not require the installation of an APP on Android or iOS phones. Bluetooth Name: METER-CJED** (the last two digits change randomly);
2. Four types of Instrument main interfaces are freely switchable;
3. Multimedia function: FM radio playback;
4. Instrument working voltage range: DC 30-150V;
5. Button + TP full touch functionality, one-key screen lock feature; USB software upgrade function;
6. The displays both Lithium battery and lead-acid battery levels;
7. Power amplifier output 5W/4 Ohms * 2 channels, pixel resolution: 800*480, protection level: IP66, Operating temperature range: -30° to 80°;
8. Back-end settings can be adjusted: battery level, voltage, speed, switch between Chinese and English, switch between metric and imperial systems, switch between power and RPM display, optional remaining mileage, view software version number, etc.

Section 2. Diagram of lead wire wiring

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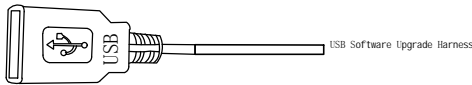
1. Orange wire connects to the left turn signal line of the ebike (0-15V).
2. Black wire connects to the positive pole of the electric door lock output line (0-150V).
3. Green wire connects to the negative pole of the ebike's battery (0V).
4. Light blue wire connects to the right turn signal line of the ebike (0-15V).
5. Blue wire connects to the ebike's headlight signal line (0-15V).
6. Red wire is reserved for future functions to be determined.
7. Green-black wire connects to the lithium battery communication CANL line (0-5V).
8. Red-black wire connects to the lithium battery communication CANH line (0-5V).
9. Purple wire connects to the motor controller one line (0-15V).

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1. Green to the ebike's 5W/4 right speaker wire (0-15V)
2. Brown to the ebike's 5W/4 right speaker wire (0-15V)
3. Green to the ebike's 5W/4 left speaker wire (0-15V)
4. Brown connects to the vehicle's 5W/4 left speaker wire (0-15V).

Reserved wire (can be connected to BMS one-wire communication) (0-15V)



Long black 0.3 sq. ft. thin wire It's an FM radio wiring (0-15V).

Section 5: Volume + and - keys, M key.

The + and - keys function: In the states of music playback, voice call, navigation interface, and FM radio interface, these keys can be used to adjust the volume of the instrument device. The - key, when long pressed, locks the screen; the volume + key, as shown in Figure 1, the direction indicated by the arrow is for the volume + key, and as in Figure 2, the direction indicated by the arrow is for the volume - key. The function of the M key: It is mainly used to switch between instrument function interfaces. Currently, it can switch between three interfaces: the main instrument interface, the FM radio interface, and the projection interface, as indicated by the arrow in Figure 3.



Figure 1

First, ensure that the USB flash drive is formatted to FAT32 or FAT format. Then, copy the software we provide into the root directory of the USB flash drive. Next, power on the instrument and insert the USB flash drive into the USB port. Wait a moment, and the instrument will automatically upgrade. Once the upgrade is complete, the display screen will indicate 100%.

FM radio interface operation flow:

Press M key to switch display interface to FM radio interface, touch the quick search key . The display automatically searches for FM radio channels for one round and then automatically saves the playback of the saved searched stations by touching the key . Radio channels play down and up.

Section 4. Backend Operation Instructions:

To access the backend settings, long press the top right corner of the screen when turning on the device, as shown in the left image. Press the M key to exit.

1. Voltage Selection and 2. Voltage Settings is as follows:

When the current ebike is using a lead-acid battery pack with a rated voltage of X volts, touch and click to select X volts. After confirming the selection, the chosen voltage number turns blue (if there is a deviation in voltage, it can be adjusted through the '2 Voltage and Battery Level Settings'). For lithium batteries, it is necessary to modify the highest and lowest effective values in the Voltage and Battery Level Settings. Clicking inside the box will bring up a settings menu as shown in image 1. Click on the desired value and press OK to exit. If there is a mistake during the modification, press C to delete.

3. Voltage Calibration

When the digital voltage display has a large error compared to the calibrated multimeter, the error can be corrected by adjusting the value inside the box. A larger value indicates a higher voltage.

4. Speed Calibration Settings is as follows:

When riding, if there is a discrepancy between the speed shown on the dashboard and the GPS speed, and if the dashboard speed is higher, reduce the number in the box. Generally, adjust the number down from 50, but based on actual conditions, it can also be adjusted down from 100-200. If the dashboard speed is lower, increase the number in the box. Typically, adjust the number up from 50, but it can also be increased from 100-200 based on actual conditions.

6. The process for setting Miles/Kilometers is as follows:

Touch and click to select kilometers, and the dashboard will automatically switch to displaying speed and distance in kilometers (the selection will turn blue). Touch and click to select miles, and the dashboard will automatically switch to displaying speed and distance in miles.

7. The process for Language Switching is as follows:

The factory default is English, which can be selected by touch and click.

8. Switching the Tire Pressure Warning On and Off

Touch and click to enable the tire pressure display. The tire pressure device must send data to the dashboard via the CAN protocol for the dashboard to warn and indicate tire pressure abnormalities.

9. Remaining Distance Display

Touch and click to select 'on' to confirm, and the dashboard will display the remaining distance (to display the remaining distance, the BMS needs to send data to the dashboard). Select 'off' to turn off the remaining distance display on the dashboard.

10. Power and RPM Display

Touch and click to select RPM to confirm, and the dashboard will display a scrolling curve and scale of RPM. Select power, and the dashboard will display a scrolling curve and scale of power.

11. Main Interface Selection

To choose a preferred main interface style, touch and click to select it (the interface border will light up in white to indicate selection)

Backend Settings	
1. Voltage Selection	48 60 72 84 96 108
2. Voltage Settings	MAX: + 0840 - MIN: + 0600 -
3. Voltage Calibration	+ 1000 -
4. Speed Calibration	+ 1000 -
5. Speed limit	Gear 1: 00 Gear 2: 00 Gear 3: 00
6. Unit Setting	KM MILES
7. Language selection	Chinese English
8. Tire pressure indicator	ON OFF
9. show remaining mileage	ON OFF
10. Speed power display	RPM W
11. Theme	
12. Version	SOC: IH32_CJ_V1.0.9 CJ-AMYQ25-231205

Parameter setting box

840		
1	2	3
4	5	6
7	8	9
C	0	OK

Figure 1

Section 3. Installation Dimension Drawing

