

# CDC11 DISPLAY

User manual



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# 1.Product Instruction

CDC11 display uses the 2.4" LCD color screen features a very clear display interface, with backlight crepuscular sensor.

Double side printed board, nylon buckle and ABS material shell. Good mechanical performance is ensured in a temperature range from -20° to 6°. It also features IP65 protection to water infiltration.

The display can match 24V/36V/48V battery; it integrates front light switch function.

Main interface has two background colors, white or black (day/night), switching automatically between the two themes (thanks to a crepuscular sensor) and always providing a clear visibility for every external light condition.

## 2. Functions summary

- Total distance (odometer) / trip distance
- Maximum speed / average speed
- Current speed
- km/miles unit switch
- Integrated lights on/off indicator on display
- PAS (pedal assist system) level selection
- Battery residual capacity
- Error code definition
- USB charging function
- 6Km/h walk assistance function



*day*

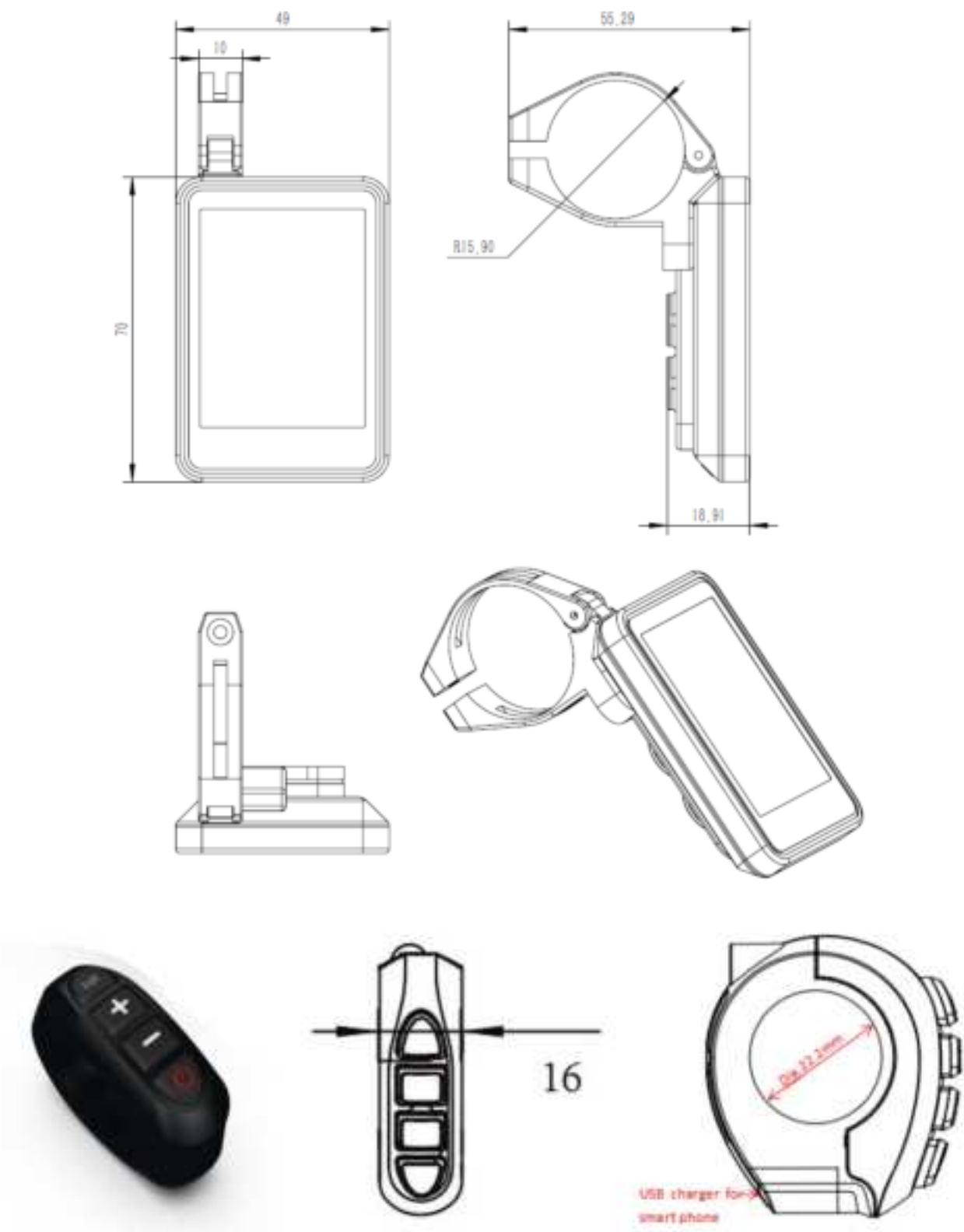


*night*

### 3. Technical parameters

- Voltage: 24V / 36V / 48V
- Current: 24V / 35mA, 36V / 27mA, 48V / 24mA
- Ambient temperature limits: -20° / +60°
- Ambient humidity limits: 0-100% RH (relative humidity)
- Ingress Protection: IP65
- Screen viewing angle: 160° Horizontal / 160° Vertical
- Screen brightness: 400~450 lumen (good visibility in sunlight)

4. Dimensions







## 5. Installation instruction



- Fix display and button panel on the handlebar
- Adjust the angle of view in a comfortable visible position
- Tighten the screws to finish the installation

## 6. Button definition

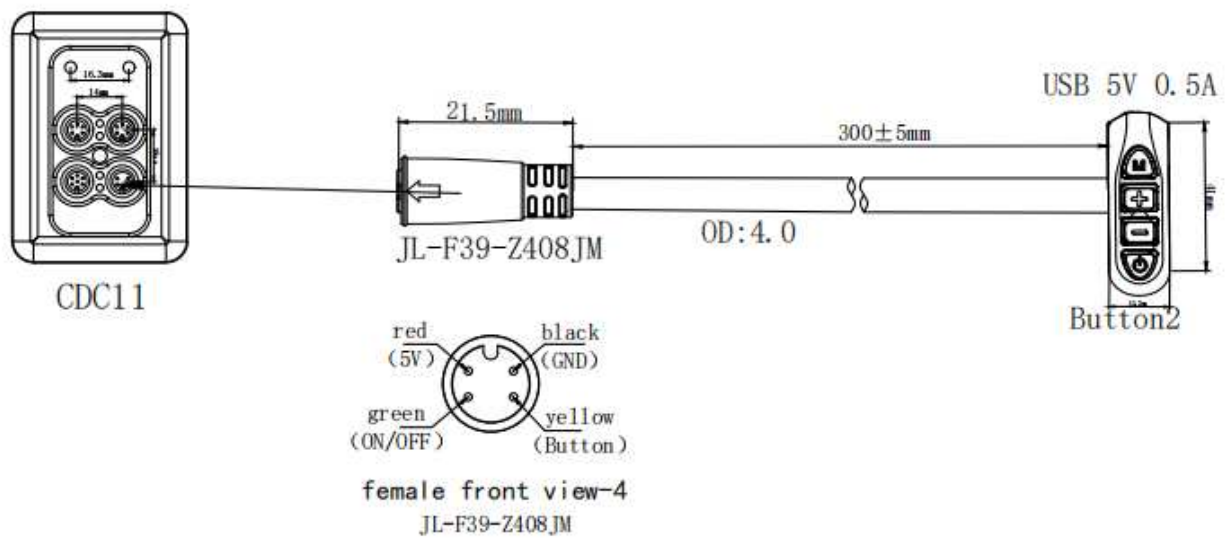
Button	Operation	Function
	hold 3S	<b>Nothing</b>
	click	(In main interface) -> <b>turn on/off usb charging function</b> (In setting function) -> <b>confirm</b> (In passwords interface) -> <b>switch the passwords digit</b>
	hold 3S	<b>Nothing</b>
	click	(In main interface) -> <b>Increase the lever</b> (In setting interface) -> <b>Switch the options</b> (In passwords interface) -> <b>Increase the numeric value</b>
	hold 3S	(In main interface) -> <b>6Km/h walk function</b>
	click	(In main interface) -> <b>decrease</b> (In setting interface) -> <b>switch options</b> (In passwords interface) -> <b>decrease the numeric value</b>
	hold 3S	-> <b>Power off</b>
	click	(When off) -> <b>Turn power on</b> (In main interface) -> <b>Turn lamp on/off</b> (In passwords input interface) -> <b>Switch the password digit</b>



## 7. Main interface instructions



## 8. Board terminal cable sequence diagram



## 9. Q&A

Q

Why the display is not able to start up?

A

Check the connector between display and controller.

Q

How to deal with the error code?

A

Ask the customer care at your local dealer.

## 10. Error codes

Error code	Definition
2	<b>Over current protection (controller)</b> <ul style="list-style-type: none"> <li>- Check whether the connectors of 3-phase power cable and the hall signal connectors are badly connected.</li> <li>- If the problem is still present after re-connect the connectors, there is something wrong with the controller or motor.</li> </ul>
3	<b>Controller cannot properly drive the motor</b> <ul style="list-style-type: none"> <li>- Check whether the connectors of 3-phase power cable and the hall signal and the power supply connectors are badly connected.</li> <li>- Check if there's not enough power to drive the system than 2S, such as climbing, or the wheel is stuck</li> <li>- If the problem is still present after re-connect the connectors, there is something wrong with the controller or motor.</li> </ul>
4	<b>Undervoltage protection</b> <ul style="list-style-type: none"> <li>- Battery voltage is too low.</li> </ul>
5	<b>Brake problem</b> <ul style="list-style-type: none"> <li>- After turning on, check whether the brake sensor is working properly.</li> <li>- If the brake signal is less than 0.75V for very a long time, there is something wrong with the brake.</li> </ul>
6	<b>Hall signal problem</b> <ul style="list-style-type: none"> <li>- Check whether the connector of the motor's hall signal cable is well connected.</li> <li>- if the problem is still present after re-connecting, the hall motor sensor may be broken.</li> </ul>
7	<b>Throttle problem</b> <ul style="list-style-type: none"> <li>- After turning on, check whether: <ul style="list-style-type: none"> <li>A) the throttle is out of control</li> <li>B) the throttle signal is less than 0.75V</li> <li>C) customer turns the throttle before the system works.</li> </ul> </li> <li>- The error can be solved after throttle is reset.</li> </ul>
8	<b>Broken controller</b>
A/10	<b>Display / controller communication problem</b> <ul style="list-style-type: none"> <li>- yellow cable is disconnected.</li> </ul>
D/13	<b>Controller program is wrong / 5V is wrong</b> <ul style="list-style-type: none"> <li>- check whether the brake signal short with 5V.</li> </ul>

**WARNING:** any manumission of the ebike electronic system will result in warranty decay.

*Thank you for your attention  
enjoy the ride!*

