



## FIVE CDC11 2.4 Inch LCD Color Display User Manual

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### CDC11 DISPLAY User manual



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## Product Instruction

CDC11 display uses the 2.4" LCD color screen and features a very clear display interface, with a 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 a 24V/36V/48V battery; it integrates the front light switch function.

The 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 clear visibility for every external light condition.

## 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*

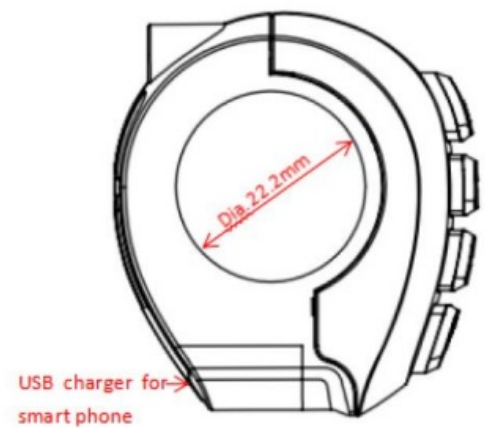
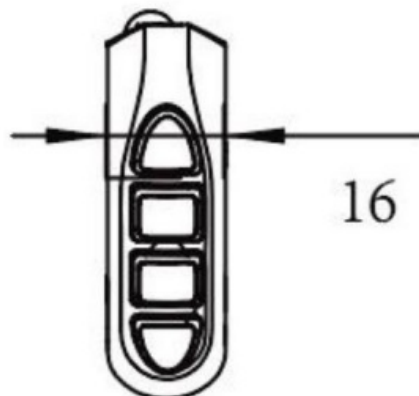
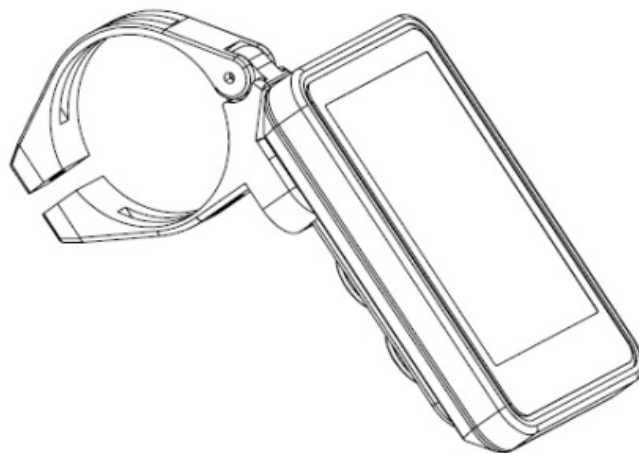
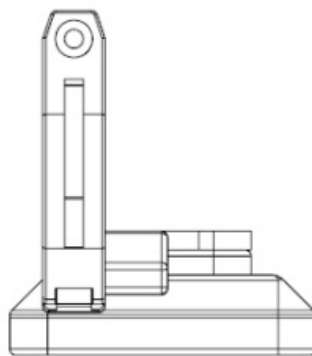
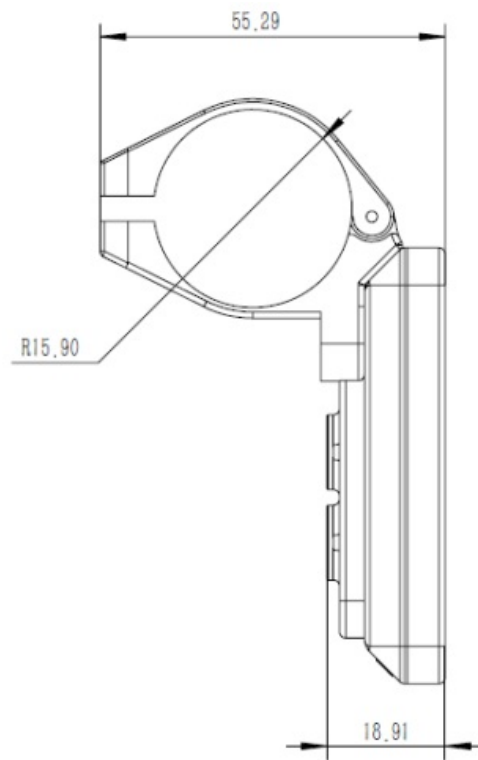
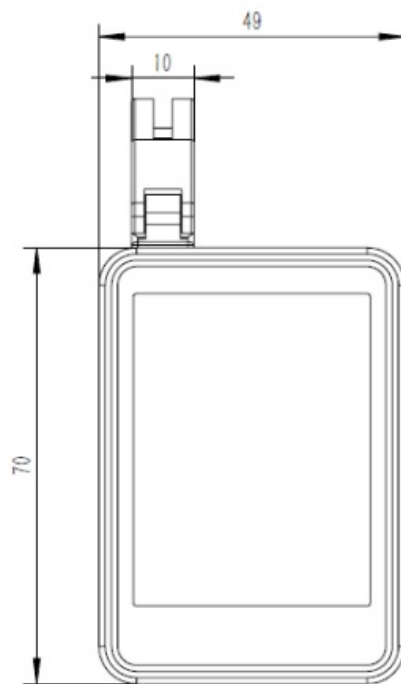


*night*

### 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)

## Dimensions







## Installation instruction



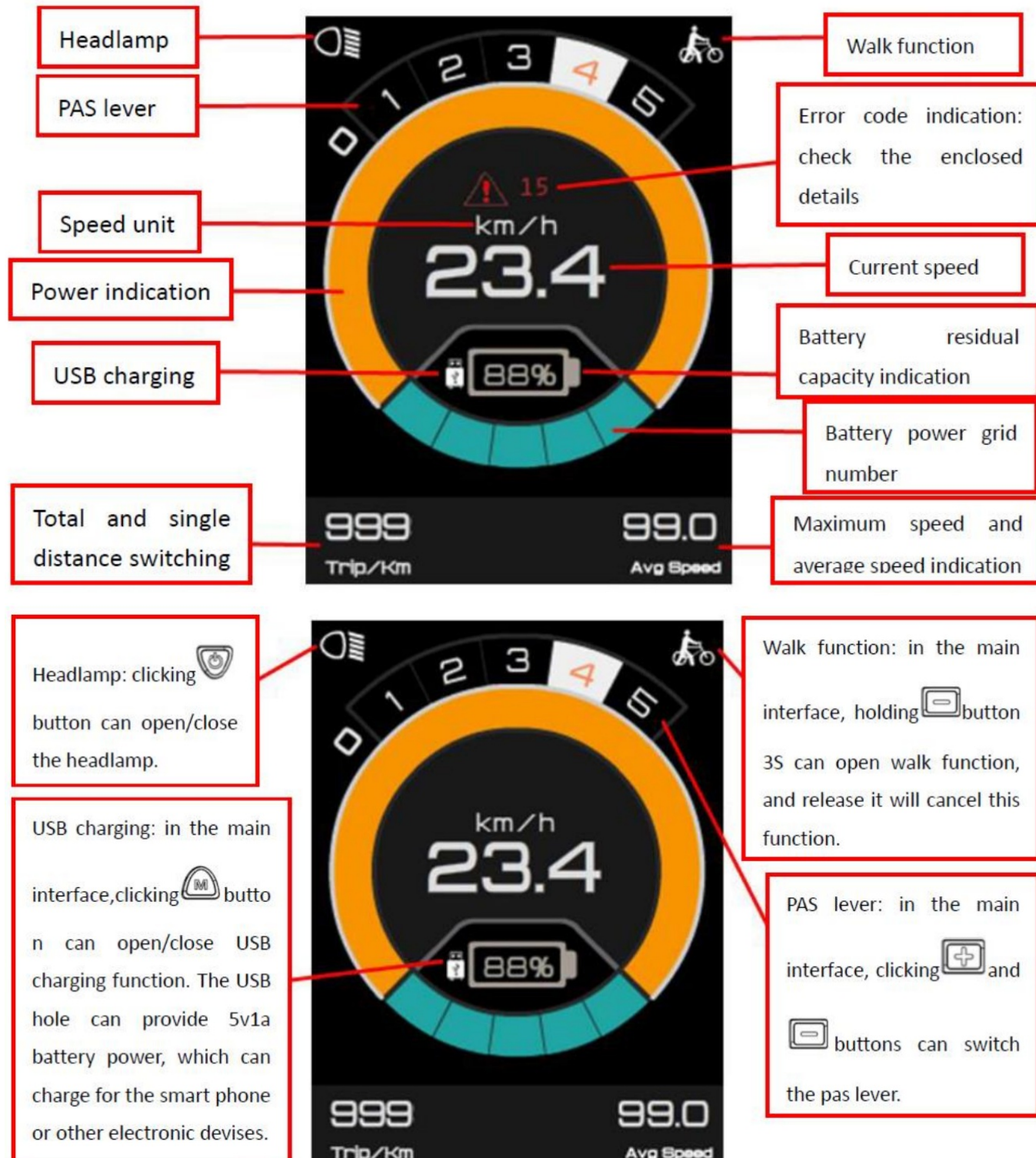
- Fix the display and button panel on the handlebar
- Adjust the angle of view in a comfortable visible position
- Tighten the screws to finish the installation

## Button definition

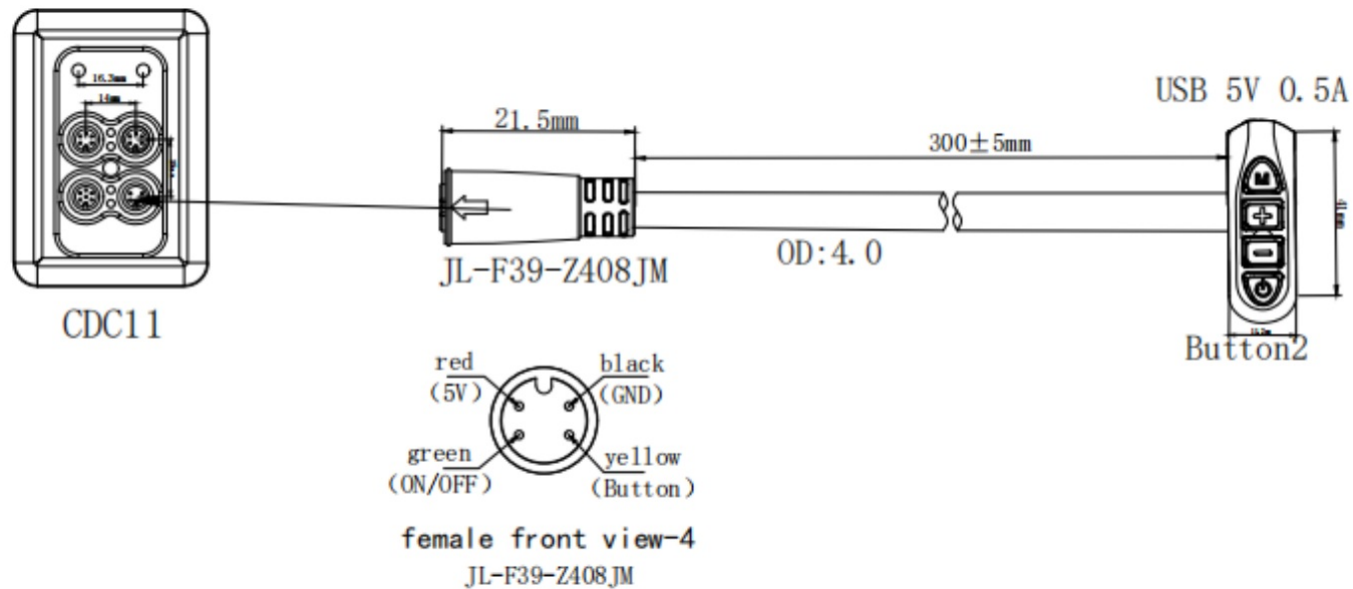
Button	Operation	Function
	hold 3S	Nothing
	click	(In main interface) -> turn on/off usb charging function (In setting function) -> confirm (In passwords interface) -> switch the passwords digit
	hold 3S	Nothing
	click	(In the main interface) -> Increase the lever (In setting interface) -> Switch the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



## Main interface instructions



## Board terminal cable sequence diagram



## Q&A

### Q Why the display is not able to startup?

A . Check the connector between display and controller.

### Q How to deal with the error code?

A . Ask customer care at your local dealer.

## Error codes


Error code	Definition
2	<p>Over-current protection (controller)</p> <ul style="list-style-type: none"> <li>– Check whether the connectors of the 3-phase power cable and the 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	<p>A controller cannot properly drive the motor</p> <ul style="list-style-type: none"> <li>– Check whether the connectors of the 3-phase power cable 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	Undervoltage protection – Battery voltage is too low.
5	<p>Brake problem</p> <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	<p>Signal problem</p> <ul style="list-style-type: none"> <li>– Check whether the connector of the motor's cable is well connected.</li> <li>– if the problem is still present after re-connecting, the motor sensor may be broken.</li> </ul>
7	<p>Throttle problem</p> <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. – The error can be solved after the throttle is reset.</li> </ul> </li> </ul>
8	Broken controller
A/10	Display/controller communication problem – yellow cable is disconnected.
D/13	<p>The controller program is wrong / 5V is wrong</p> <ul style="list-style-type: none"> <li>– check whether the brake signal is short with 5V.</li> </ul>

**WARNING:** any alteration of the bike's electronic system will result in warranty decay.

Thank you for your attention enjoy the ride!



## Documents / Resources

<p>CDC11 DISPLAY User Manual</p>  <p>FIVE FABBRICA ITALIANA VEICOLI ELETTRICI</p>	<p><a href="#">FIVE CDC11 2.4 Inch LCD Color Display</a> [pdf] User Manual CDC11 2.4 Inch LCD Color Display, CDC11, 2.4 Inch LCD Color Display</p>
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