



e28 user manual

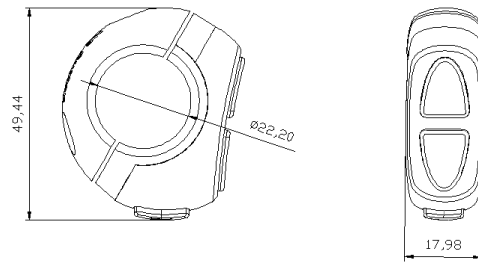
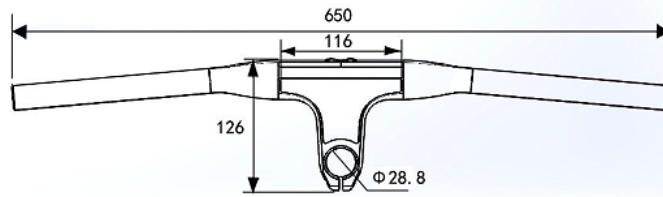


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Dimensions

The digital display is made from a PC plastic with a working temperature range of -20°C to 60°C.
Display Dimensions and Installation (Unit: mm)



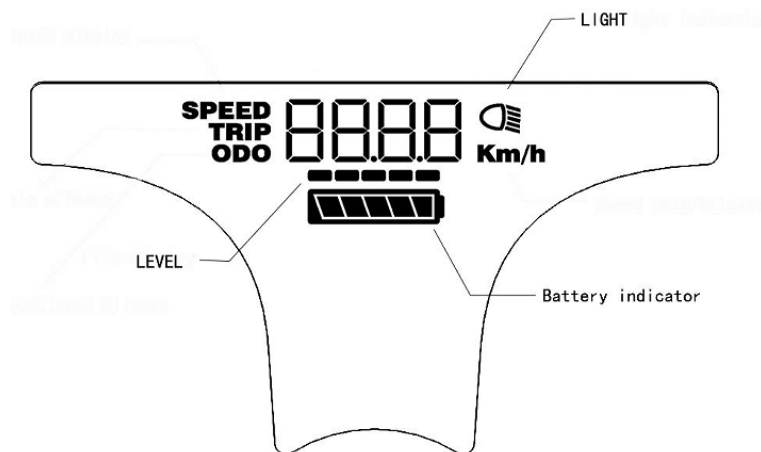
For reference,  is “M”,  is “UP” and  is “DOWN”.

Functions Summary

Functions:

- ◆ Battery indication
- ◆ Speed (Real time, Max and Average)
- ◆ Distance (Current trip and Total distance);
- ◆ PAS level (0-5)
- ◆ Single trip distance reset
- ◆ Headlight toggle
- ◆ 6km/h Push assistance
- ◆ Error Codes
- ◆ USB charging
- ◆ Customizable parameters such as: Wheel diameter, Speed limit

Display Content



The interface Errors



Please contact support@estarli.co.uk or your local retailer should you have any errors or warning on your display.

Operation

Power On/Off

Press and hold the M button for several seconds to toggle the power on or off.

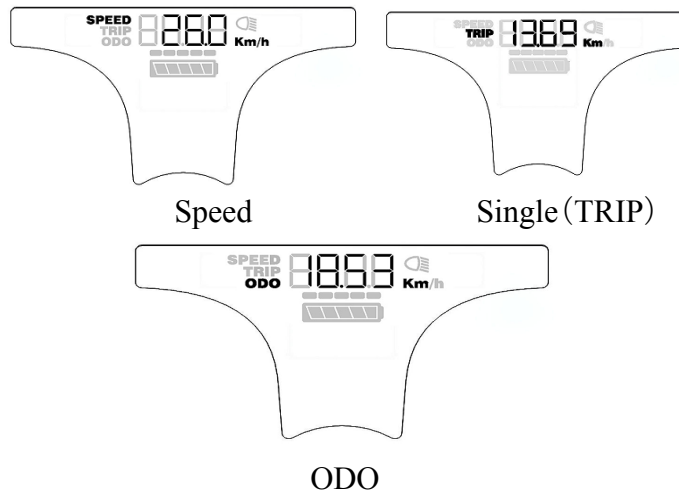
The bike will be shut down automatically if it is left idle for 10 minutes.

Selecting Speed Mode(Speed/Trip/ODO)

After turning on your bike the default mode is current speed. Pressing the M button to cycle through the other modes:

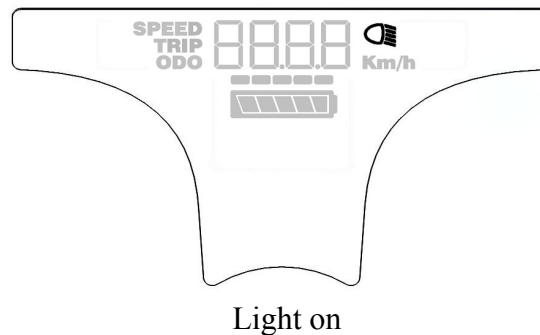
current speed→Single trip→ODO.

If you are moving the display will revert back to current speed after 2 seconds.



Turn Headlight On/Off

Press and hold the U button for 5 seconds to turn the lights on/off.



Push Assistance 6km/h

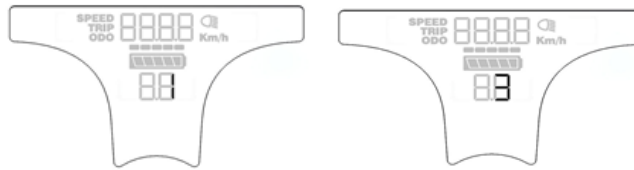
Press and hold the **DOWN** button to engage push assistance mode. The motor will power the bike up to 6km/h.



PAS Level

Press **UP** or **DOWN** buttons to change the PAS level. PAS levels are 1-5. PAS level 0 offers no power assist.

The default level is level 1.



Level 1

Level 3

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

Empty

USB Charging

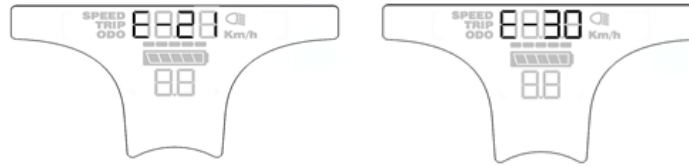
There is a USB port on the underside of the display which can be used for charging mobile phones and other electronics. The standard output voltage is 5V with a max current of 500mA.

The USB port will continue to function even when your estarli is powered off. While charging the red led at the bottom of the screen will flash. While powered on press the **M** and **D** buttons to enable charging mode.



Error codes

When the system encounters an error, the display will show an error code. As soon as the problem is fixed the error code will reset.



Error codes

Error code	meaning	solutions
21	Abnormal Current	Check the connection in your rear motor cable. The rear motor cable runs underneath the frame on the lhs near the stand. If necessary unplug the cable, ensure it is clean and free from corrosion. Plug in the cable and try again.
22	Throttle error	N/A
23	No-phase state	Check the cable connections underneath your handlebar. If they have become loose, please align the arrows and reconnect the cable.
24	Abnormal Hall signal	Contact your retailer.
25	Abnormal Brake	Check the brake lever is not applied and the brakes have been correctly adjusted.
30	Abnormal Communication	Check if the display and controller are connected properly

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