



Cangoo user manual

Ananda D10

Model D10
version 1.0

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Introduction

The document contains the product technical specification for the model listed.
In order to better use your electric bicycle, please read the instructions of the display instrument carefully before use.

In order to make better use of your e bike, please read the instructions of the display display carefully before use.

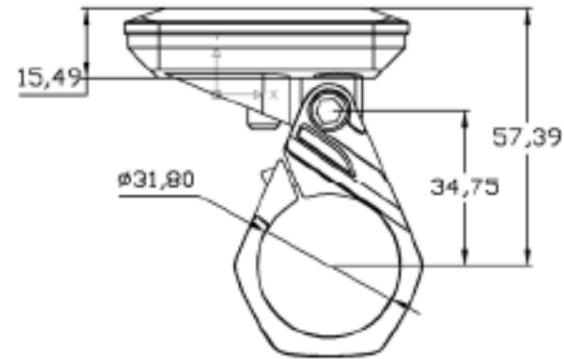
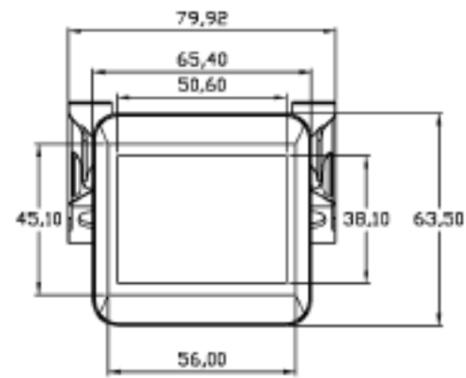
Appearance & outline

2

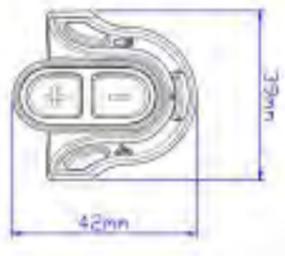
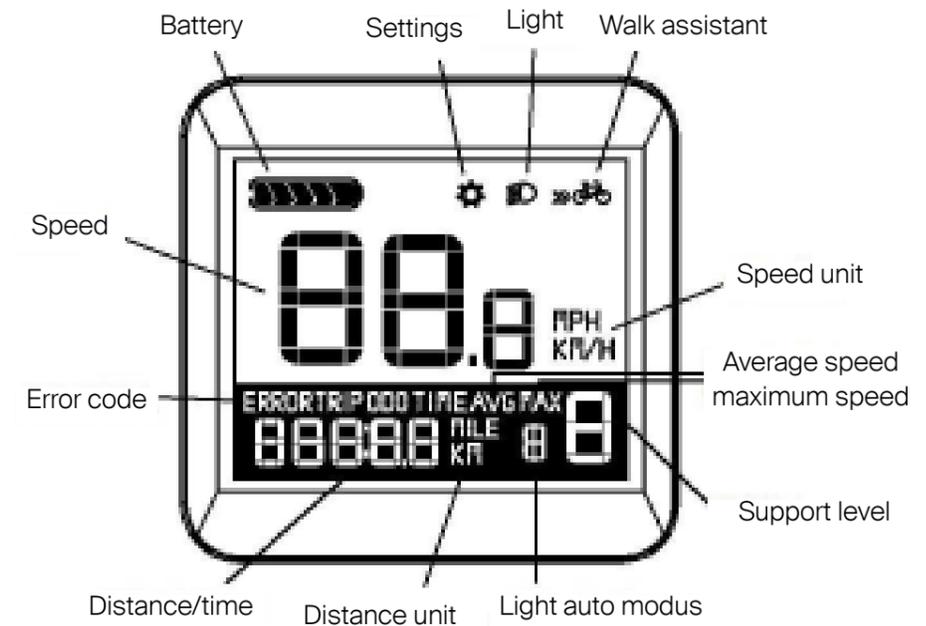
User interface

3

The display uses a combination of a metal sump and a glass cover. The material of the outer casing allows normal use at temperatures between -20 °C and 60 °C.



Dimensional drawing (unit: mm)



Dimensional drawing (unit: mm)

Note: The display has buttons that are connected to the cable at the bottom of the display. The following characters will be used in the instruction for the buttons:

- Power 
- Light 
- Walking 

Functionality

The display has the following functionalities. These will be further explained in the following chapter.

- Battery
- Speed (current speed, average speed, max. speed)
- Distance (ODO distance/TRIP distance)
- Trip time
- Support levels
- Light
- 6km/h walk assistant
- Error code
- Settings: wheel size, speed limit, backlight, unit, photosensitive threshold
- Automatically control backlight brightness (according to ambient light intensity)
- Battery information and software version
- Either under riding or parking state, after switching between average/max or trip/time, it will automatically get back to ODO.

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4.1 Switch on/off

To activate the display and turn on the bikes motor function, press and hold the 'Power button' for 1 second.

When switched on, press and hold the Power button for 2 seconds to turn off power of the e-bike. When switched off, the display no longer uses the battery's power supply, and the display's leakage current is less than 1uA.

The system will automatically shut down after 10 minutes without operation.

4.2 Speed and Distance

At startup the displayed mode is always **Current speed** and **ODO distance**. Press the Power button shortly to switch between: Current speed and ODO distance > AVERAGE Speed and TRIP distance > Maximum speed and TRIP time.

In the AVERAGE Speed and TRIP distance mode or Maximum speed and TRIP time mode, press and hold the "-" button to reset the AVERAGE Speed, TRIP distance, Maximum speed and TRIP time value to 0.

Reset is invalid in Current speed and ODO distance mode.



Current speed
& ODO distance



Average speed
& TRIP distance



Maximum speed
& TRIP time

4.3 Light switch

Auto mode: The display automatically turn the light on/off by detecting ambient light. When activated, pressing the *light button* does not work.

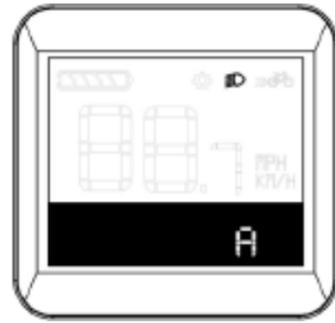
Manual mode: Press the *light* button to turn the light on/off in manual mode.

Switching between auto/manual: Press and hold the *light button* (>2S) to switch between auto mode and manual mode. (Auto mode is on by default when the display is powered on and logo "A" is displayed on the screen).

If in auto mode the light is turned on, after switching to manual mode the light will be turned off - and vice versa.



Light indication



Auto mode indication

4.4 Six km/h walk assist

Press and hold the *Walk button* to enter the 6km/h walk assist mode. Release the *Walk button* to exit the walk assistant mode.



6 km/h walkassist indication

4.5 Support mode

There are 5 support levels and 1 off-level: (1 is the lowest support level while 5 is the highest support level).

At startup the support level is always level 1.

Press the "+" and "-" button to change between the different support levels.



Support level 1



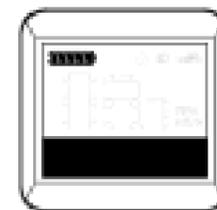
Support level 5

4.6 Battery indication

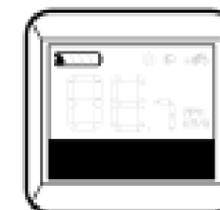
When the battery capacity is full, the five-segment indicator lights up. When the battery capacity is insufficient, it switches from one-segment indicator lighting to the empty segment flashing, indicating that the battery is under voltage and needs to be charged immediately.

battery capacity indication:

15% - 29%	one segment
30% - 44%	two segment
45% - 59%	three segment
60% - 85%	four segment
>=85%	five segment



Full battery



Low battery



Under voltage

4.7 Auto backlight adjustment

The brightness of the backlight of the display will be adjusted automatically according to the intensity of the ambient light.

When it becomes dark outside, the brightness of the backlight is automatically dimmed while the front light will be automatically turned on.

When it becomes light, the brightness of the backlight will become brighter while the front light will be automatically turned off to ensure that the rider can read the information easily and accurately.

4.8 Error code

To show user there is an error, the display will indicate an error code in the screen. The error indication can only be exited when the problem is solved. When the error occurs, the e bike will not be able to continue riding.



Code	Failure	Solution
21	Abnormal electric current	Check whether the three phases of the motor are short-circuited.
22	Abnormal throttle	Check whether the switch is restored to the initial state.
23	Motor phase loss	Check if the phase line is good; Check if the motor phase line is connected to the controller.
24	Motor hall signal anomaly	No Hall controller: Check if the phase line is good. If there is a Hall controller, check if the Hall outlet is good.
25	Abnormal break	Check whether the brakes are reset before starting the machine.
28	Other problems	Check if the speed sensor magnet (rear wheel) is connected correctly. If correct, Restart/update the display, program/change the controller.
30	Communication error	Check whether the display is connected to the controller.
31	Display's starting reaction delays	Check display button/change display.

Settings

5.1 Settings menu

If the speed in the main menu is 0, press “+” and “-” to enter into the regular settings menu. Press “+” shortly to switch between: Backlight brightness setting - Speed limit setting - Wheel size setting - Unit setting.

In the regular setting menu, press “+” and “-” (>2s) to go into password interface. Enter password (6262 by default) and go into hidden setting 1. Press “+” shortly to switch between: Battery information - Software version - Photosensitive threshold setting.

When you have entered the password, press “+” shortly to change the number, press “-” shortly to change digits. Press the **Power button** to confirm the password.

5.2 Backlight brightness

In the regular settings menu, press “+” shortly to switch between: Backlight brightness setting - Speed limit setting - Wheel size setting - Unit setting.

Press the **Power button** shortly to choose between backlight brightness adjustment mode. There are 3 levels of backlight brightness. At startup the brightness level is always level 1 (the lowest level).

Press the “+” or “-” button to choose a backlight brightness level between 1-3.

Press the **Power button** again to save the changes and exit the backlight brightness adjustment mode.



5.3 Speed limit

In the regular settings menu, press “+” shortly to switch between: Backlight brightness setting - Speed limit setting - Wheel size setting - Unit setting. Press the **Power button** shortly to go to the speed limit adjustment mode.

The speed limit setting sets the maximum riding speed of the e-bike. When it exceeds the set value, the controller will cut the power supply to the motor to protect the rider’s safe driving. Press the **Power button** to choose a speed limit between 12Km/h to 40Km/h. The default speed limit is set to 25Km/h. Press the **power button** again to save the changes and exit speed limit setting.



Speed limit setting

5.4 Wheel size

In the regular setting menu, press “+” shortly to switch between Backlight brightness setting - Speed limit setting - Wheel size setting - Unit setting.

Press the **Power button** shortly to go to the wheel size adjustment mode.

The following wheel sizes are available: 16, 18, 20, 22, 24, 26, 28 and 29 inch and 700C. The default wheel size is 26 inch.

Press the “+” or “-” button to choose wheel size between 16inch, 18inch, 20inch, 22inch, 24inch, 26inch, 700C, 28inch and 29inch. Press the power button again to save the changes and exit the wheel size adjustment mode.



Wheel size setting

5.5 Unit setting

In the regular setting menu, press “+” shortly to switch between Backlight brightness setting - Speed limit setting - Wheel size setting - Unit setting.

Press the **power button** to choose unit adjustment mode for speed and trip. Press the “+” or “-” button shortly to switch between the metric unit (Km/h) and the imperial unit (MPH). Press the **power button** again to save the changes and exit unit adjustment mode.



Unit setting

5.6 Battery information

After entering the hidden setting, press the “+” button shortly to switch between: Battery information - Software version - Photosensitive threshold setting.

Press the **power button** shortly to choose battery information mode.

Press the “+” or “-” button shortly to switch between the different battery conditions. Press the **power button** again to exit the battery information mode.

Battery information code table:

Code	Battery	Code	Battery
1b	“Cycles”	8b	“Cell 04 Voltage”
2b	“Full charge - Cap”	9b	“Cell 05 Voltage”
3b	“Remaining - Cap”	10b	“Cell 06 Voltage”
4b	“Battery voltage”	11b	“Cell 07 Voltage”
5b	“Cell 01 Voltage”	12b	“Cell 08 Voltage”
6b	“Cell 02 Voltage”	13b	“Cell 09 Voltage”
7b	“Cell 03 Voltage”	14b	“Cell 10 Voltage”

5.7 Software version

After entering the hidden setting, press the “+” button shortly to switch between: Battery information - Software version - Photosensitive threshold setting.



Software version



Battery information

Press the **power button** shortly to choose the software version. Software version information can only be read and not be adapted.

5.8 Photosensitive threshold setting

After entering the hidden setting, short press “+” to switch between: Battery information - Software version - Photosensitive threshold setting.

Press the **power button** shortly to enter the Photosensitive threshold setting mode. Press the “+” or “-” button shortly to change the levels.

P stands for the photosensitive threshold. Adjust this parameter to adjust the sensitivity of the automatic headlight function to ambient light. The higher the value is, the lower the sensitivity is. Press the **power button** again to save the changes and exit the photosensitive threshold adjustment mode.



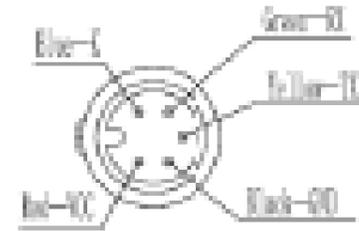
Photosensitive threshold setting

5.9 Save/Exit

1. After finishing the settings in both the regular settings menu and the hidden settings menu, press and hold the **power button** (>2s) to save the setting and go back to the main menu.
2. If the hidden menu or regular settings menu are not operated for 10 seconds, the latest settings will be saved and the display will go back to the main menu.

Connection & pins

6.1 Connection terminal



Connection to control



Connection to buttons

6.2 Pin definition

Nr.	Color	Definition
1	Red	VCC
2	Blue	KEY
3	Black	GND
4	Green	RX
5	Yellow	TX

Contact

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Is anything still unclear? Don't hesitate to reach out to our customer service. We are more than happy to help you clear up any confusions.

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