CYC MOTOR SW102 Intelligent OLED Display User Guide

SW102 DISPLAY
User Guide

SW102 Display

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Contents

Product Details

Product Name
Intelligent OLED display, model: SW102
Firmware: CYCMOTOR LTD specific firmware
Features

- Minimalist design and process

- High brightness, high contrast 1.3-inch monochromatic OLED screen

- Excellent outdoor design with IP65 waterproof rating
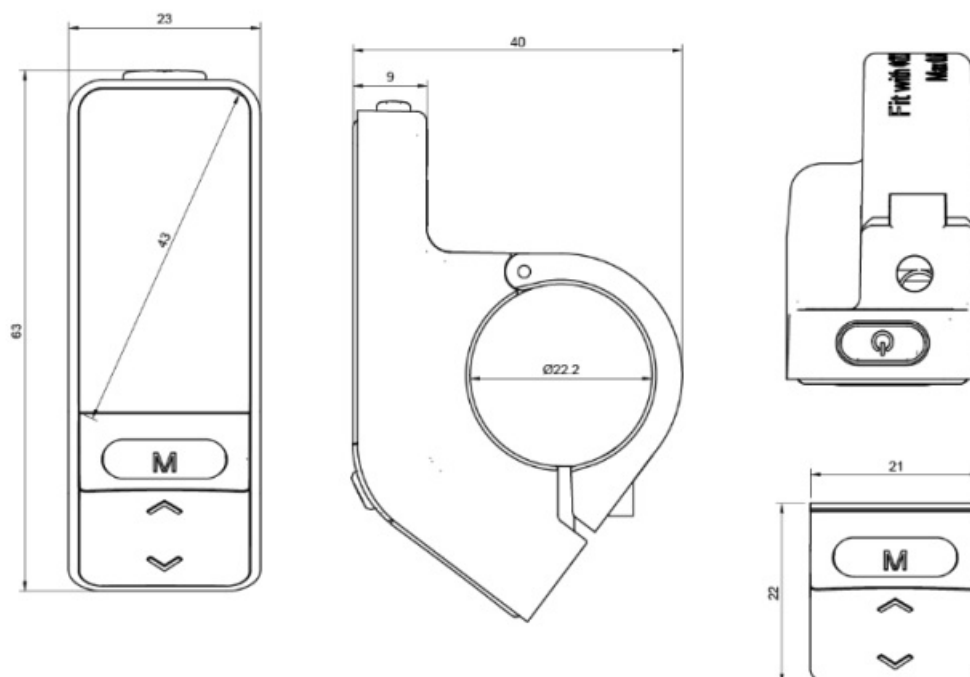
Dimensions & Materials

Materials
Product shell – ABS + PC plastic
Transparent window – 2.5D Tempered glass
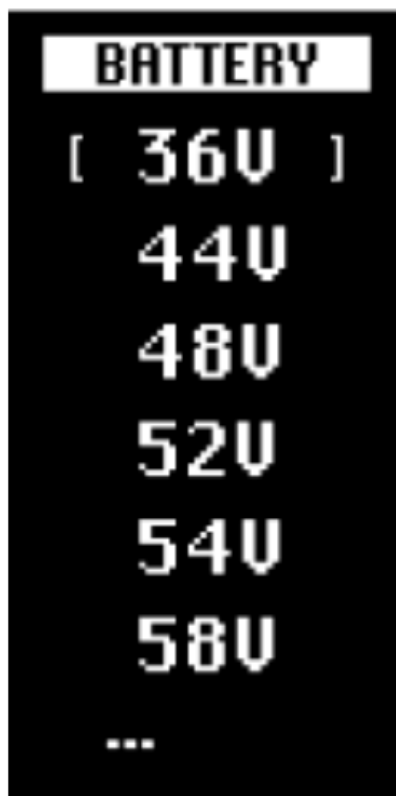**Dimensions**
L 23mm x W 40mm x H 63mm
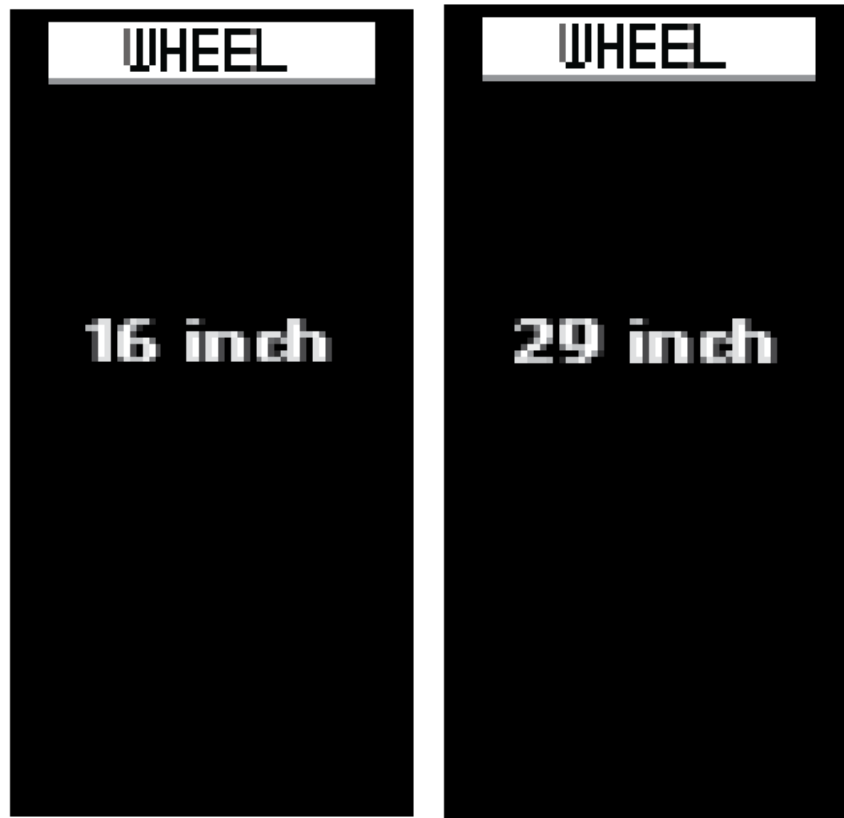
Electrical Specifications

- Power supply: DC 36V / 48V / 52V
- Rated current: 12mA
- Shutdown leakage current: <1uA
- Screen specification: 1/3" OLED (64*128 dots)
- Communication method: UART (default)
- Operating temperature: -20°C ~ 80°C
- Storage temperature: -30°C ~ 80°C
- Waterproof level: IP65

Quick Start Guide

After unboxing and installing your CYC motor system, there are two main things you need to set up.

1. Change your Battery No. setting according to your rated voltage.

    a. Within 15 seconds of turning on your display, long press the MENU button to enter the settings functions.
    Press UP/DOWN to navigate the settings page & MENU to select.

2. Change your Wheel setting according to your bike's wheel size.

3. Now you can set things up like your temperature and speed unit as well as your brightness level.
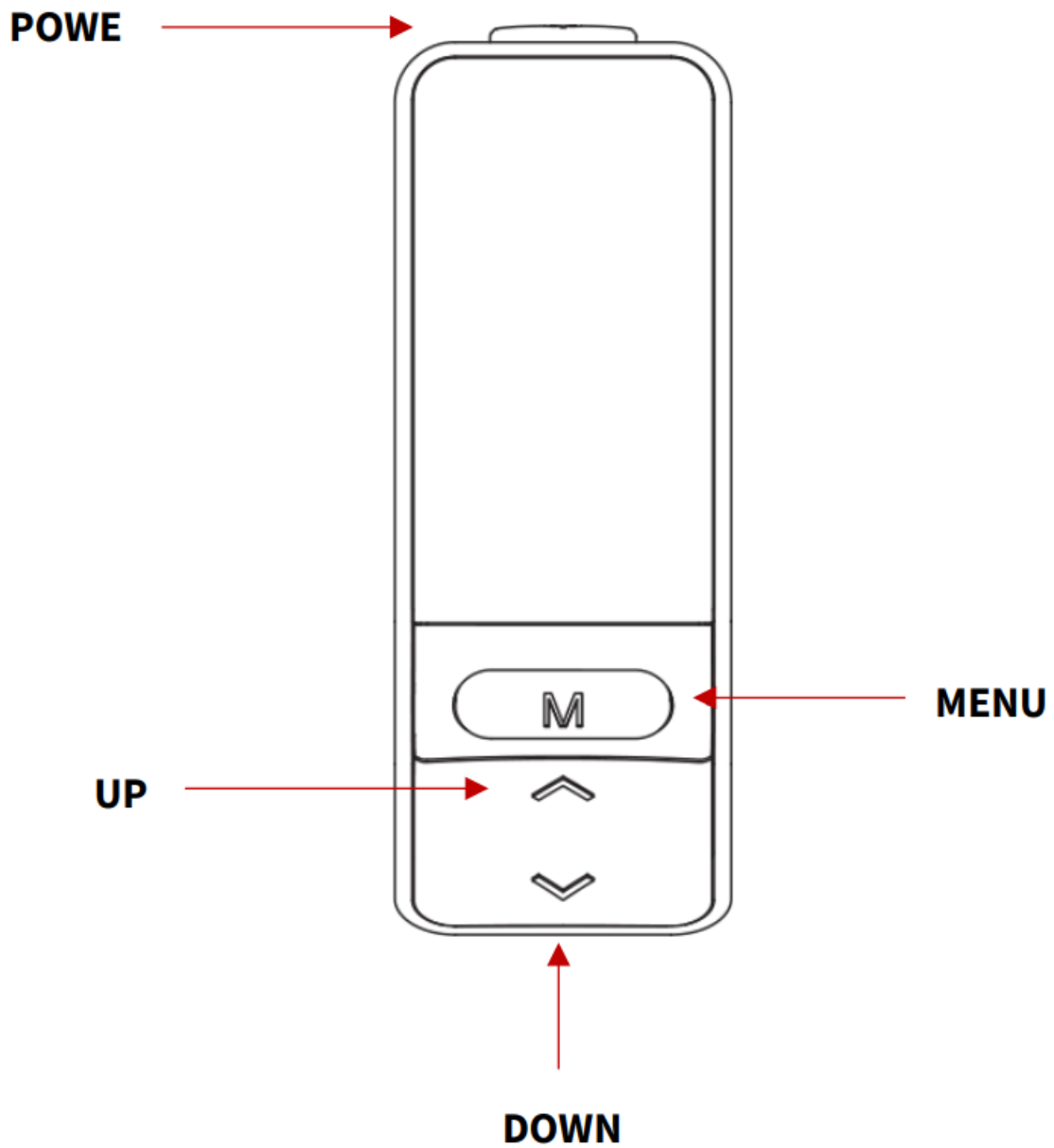
Functionalities

Power On/Off
Press and hold the POWER button for 2 seconds to turn the display on/off. The display will automatically shut down when there is no operation for a period of time.

Navigation

1. POWER

2. MENU

3. UP

4. DOWN

The MENU button is used to go into your settings page & clear data page. It is also used to enter and select a setting or function & finally, it's also used to switch between the various main dashboard information.
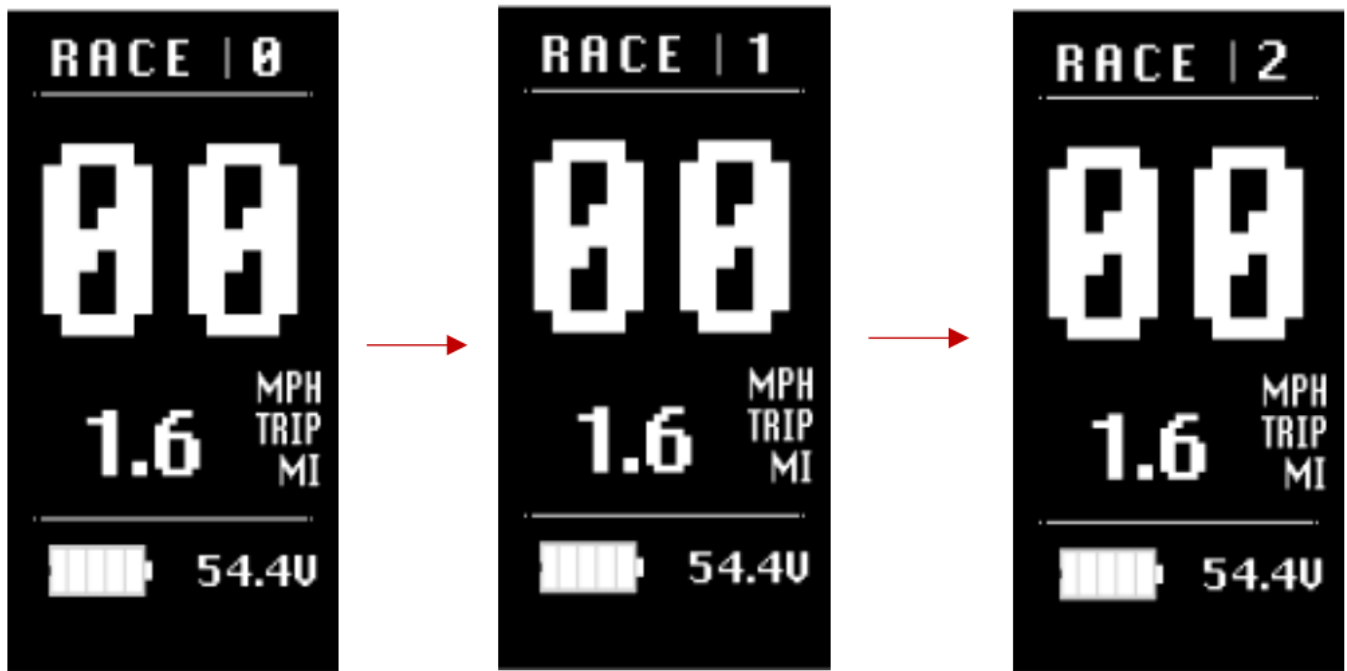
POWE

MENU

UP

DOWN

Switch Dashboard
Switch the main dashboard to display different information by pressing the MENU button.

Assist Level Operating

Press the UP/DOWN button to change the assist level between level 1, 2, and 3. Please note that "OFF" means no motor assistance will be given.

Walk Assist

Long press the DOWN button to activate walk assist. Note that it takes 3 seconds to activate & will deactivate immediately when the button is released.

Walk assist can only be activated if you are in assist level 1, 2, or 3.

Settings

Long press the MENU button within 15 seconds of switching on the display to enter the "Settings" page. Note that once the system has been activated for longer than 15 seconds, you will need to restart the motor system to enter

the settings menu.

```
SETTINGS          SETTINGS
 Exit               ...
[ Mode ]          [ A/OFF ]
 BTRY               PW
 Wheel              Info
 Temp               Gear
 Speed
  ...
```

Clean Trip Data

Wait 15 seconds after starting up the motor system to be able to enter the "Clean Data" menu. Long press the MENU button to clear previous trip data. Please note that the trip data does not automatically clear once you restart the motor system. This is a manual process.

```
   CLEAN
 AVG SP:

  0.0 KM/H
```

CLEAN DATA

[YES]

NO

Error Codes
In certain circumstances, an error code may appear on your display. Contact us for assistance.

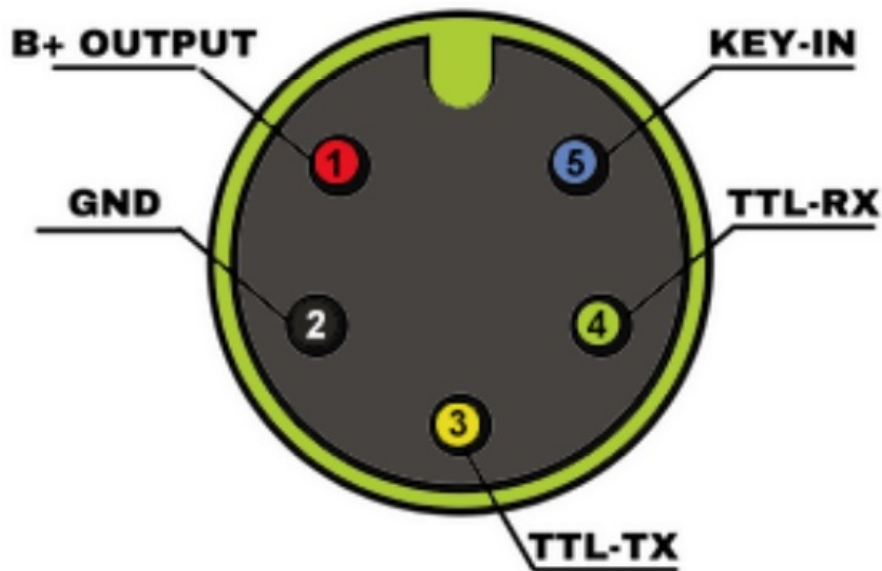| Error Code on SW102 Display	Error Code on App
1	Controller Over Voltage
2	Controller Under Voltage
4	Controller Internal Error 1
5	Controller Over Temperature
6	Motor Over Temperature
9	Controller Internal Error 10
10	Controller Internal Error 2
14	Controller Internal Error 3
15	Controller Internal Error 4
16	Controller Internal Error 5
17	Controller Internal Error 6
18	Controller Internal Error 7
23	Controller Internal Error 8
24	Controller Internal Error 9
26	Hall Sensor Error
28	Throttle Error
29	Speed Sensor Error

Installation

Open the display lock clip, set the display in the left handlebar (standard handlebar size Φ22.2).
Adjust it in place and tighten the screw accordingly.
Note: Damage caused by excessive torque is not covered by warranty.

Pin Layout

Male 5-Pin Connector

1. Red Wire: Anode (36V to 72V)

2. Black Wire: GND

3. Yellow Wire: TxD (display -> controller)

4. Green Wire: RxD (controller -> display)

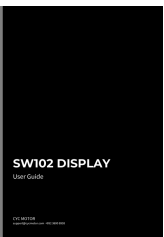5. Blue wire: Power cord to the controller

Certification
CE / IP65 (waterproof) / ROHS
Be sure to contact us if further assistance is needed. Thank you!

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Documents / Resources

CYC MOTOR SW102 Intelligent OLED Display [pdf] User Guide
SW102 Intelligent OLED Display, SW102, Intelligent OLED Display, OLED Display, Display