BAFANG

Manual

C961

Contents

Appearance and size

Material & color

The C961 display is made of ABS and is designed to perform well under -20º to 60 º C.
Available colors: Black, White.
Size (Unit: mm)

Functions & buttons

Functions

The C961 offers many functions for your riding pleasure.
These Include:
Multiple Power levels settings (Mode)
Remaining Battery Capacity
Speed (Speed/ MAX/AVG)
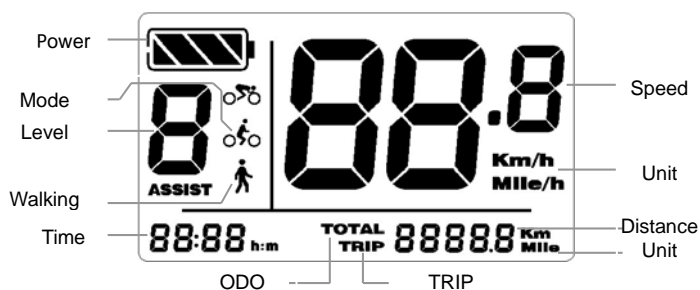
Distance and Odometer (TRIP/ TOTAL)

Time

Assist walking (slow speed motor assist)

Backlight

Error codes

Interface

Button

C961 includes a three button control electronic switch:

⏻ **Power on/off**

⊞

⊟

Caution: Do not plug in or unplug this display when the power to the unit is on.

 Avoid collisions

 Protect the display's membrane to provide water resistant performance.

 Do not attempt to reset parameters if the display is not working.

 Call for service if the C961 display is not working

Installation

Install the display and button control on the handlebar and adjust its location. Plug it into the controller with power off.

ON/OFF

To turn the unit on, press and hold the ⏻ button to start the display. A long press again ⏻ will switch it off.

The display switches off automatically if there is no activity for ten minutes (default).

Walking assist

Press and hold ⊟ to start the walking assist. 🚶 You will see the walking icon on the display and the motor will move the bicycle or vehicle at 6km/h.

⚠️ **This function is designed for walking alongside only. Please do not use this function when riding.**

Backlight

Press and hold ⊞ to turn on the C961's backlight screen. If a front light is configured as well, this will switch it on as well if front light available. Press and hold ⊞ again to switch it off.

Note: The automatic backlight is available only if the controller (or built-in controller) offers this function.

If the controller has a light sensor inside of it, the back light & front light will switch on automatically according to the level of darkness. The automatic function is off when the display is in manual mode.

Power Level

The display is integrated with the controller to provide several levels of power. Press ⊞ or ⊟ to change the levels. The Default range is 0 - 3, where 0 means no output, and 3 means maximum output. The default switch-on is level 1.

Battery Capacity
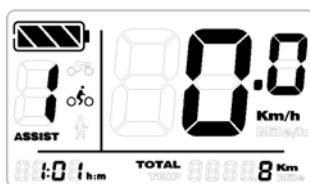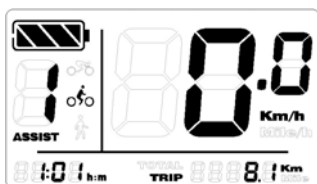
Four sections highlights when battery is full.

Percentage of capacity for sections:

| <20% | 20%-40% | 40%-60% | 60%-80% | 80%-100% |

The battery icon flashes at 1 Hz when low power.

Distance (trip and odometer)
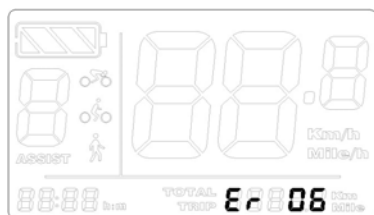
Press ⏻ to shift between TRIP and TOTAL (Odometer).

TRIP Reset

With the power on, Press and hold both ⏻ and ⊟ to clear TRIP distance.

Error codes

When something goes wrong with system, an error code will flash on the display. Check details on attached list.

**The motor will stop working in the event of an error.
Only when the error is gone, will the motor work again.**
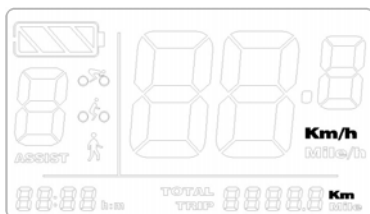
Display Settings

Preparation

Makes sure the connections are good, then power on.

Setting

Press and hold ⏻ to turn on the display. Press and hold the ⊞ and ⊟ to set the mode.

Unit

Press ⊞ to change unit Km or Mile.

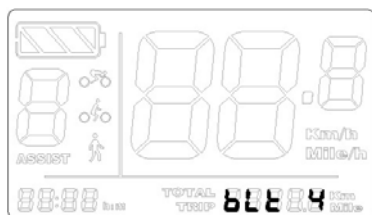Press ⏻ to save and go to *set speed*.

Setting the speed limit

To limit the speed range (from 15Km/h to 40Km/h), press ⊞ or ⊟ to change the limit up or down.

Press ⏻ to save & go to *set backlight*

Backlight

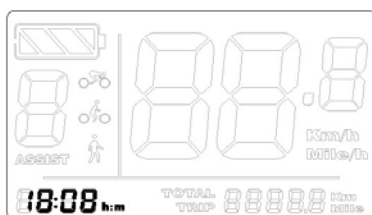Press ⊞ or ⊟ to change the brightness (range is 1 to 8).

Press ⏻ to save & go to *time setting*.

Time

Press ⊞ or ⊟ to change the hour, then press ⏻ to save & go to the minute setting. Press ⊞ or ⊟ to change the minutes.
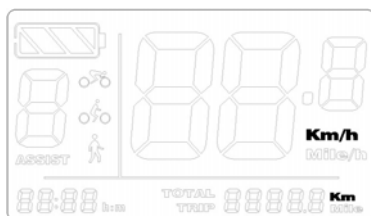

Press ⏻ to save & exit.

The settings go into effect after restart.

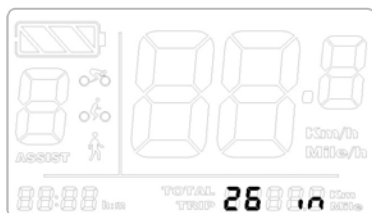### **Advanced setting**

Press and hold ⏻ to start the display. Press and hold both ⊞ and ⊟ to enter setting mode

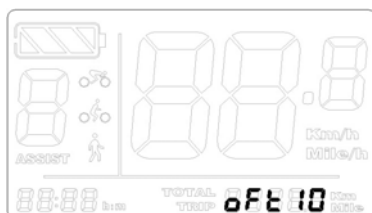Press ⊞ or ⊟ and <u>do not release</u>, meanwhile press ⏻ eight times to go to the advanced setting menu.

Wheel size setting

Press ⊞ or ⊟ to change the wheel size. Range from 8 to 32 inch. Press ⏻ to save & go to *sleep time interval* setting.
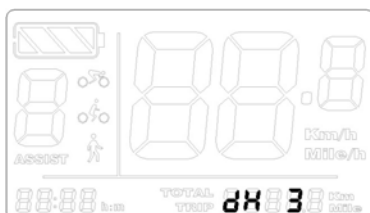
Sleep time interval setting

Press ⊞ or ⊟ to change the time, range from 0 to 60 minutes.

Display will sleep and cut off power after no operation on system for the selected time. Press ⏻ to save and skip to *level amount* setting.

Power level amount setting

Press ⊞ or ⊟ to change the amount. The range from 2 to 9 levels (excluding level 0).

Error Codes:

Error code	Definition
04	Throttle not returning to zero state
05	Throttle abnormality
06	Low voltage protection
07	Over voltage protection
08	Hall sensor abnormality
09	Phase line abnormality
10	Controller overheat
11	Temperature sensor in controller abnormality
12	Current sensor abnormality
21	Speed sensor abnormality
22	Communication abnormality in BMS