

BAFANG

Manual C961

Modified for eMax eBikes



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Material & Colour

The C961 made of ABS is able to work well under a temperature range of -20°C to 60°C.

Available Colours: Black and white.

Size:



Picture: The C961 Display Unit in White

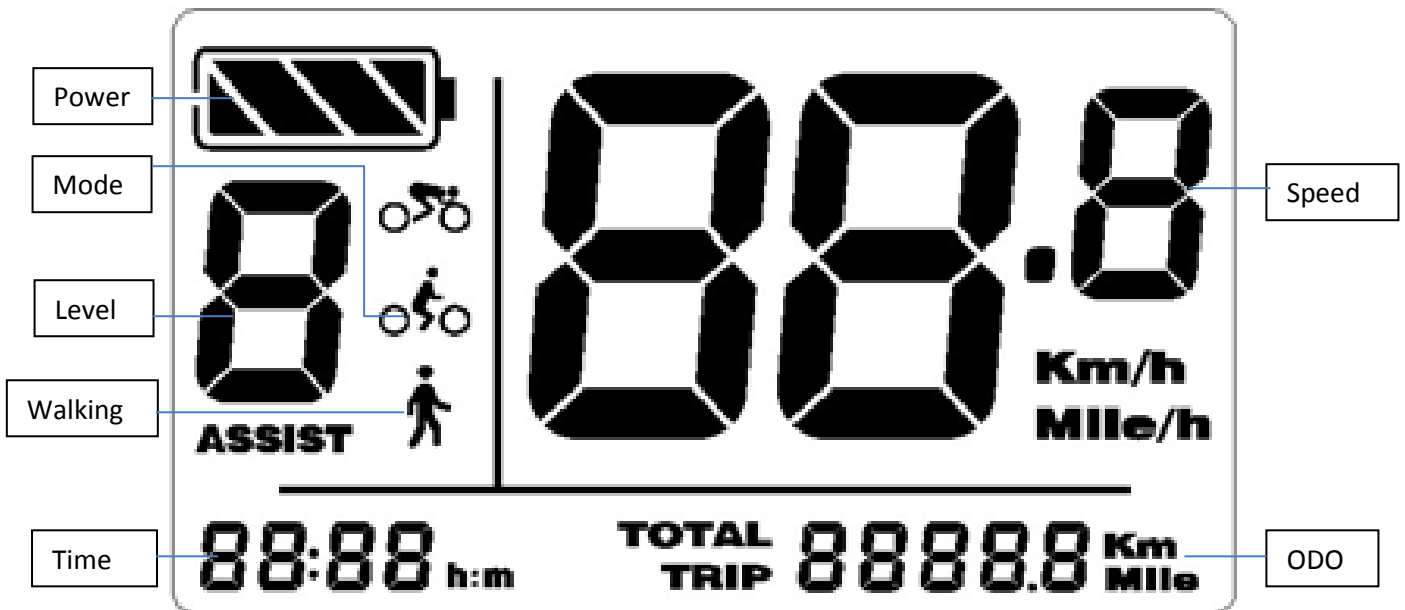
Function & Buttons

Function

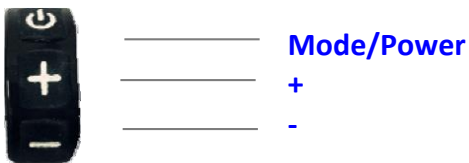
The C961 display has many functions to assist with your riding experience including:

- Battery Capacity (Measured from Voltage)
- Speed (Speed/ MAX/AVG)
- Distance (TRIP/ TOLTAL)
- Time
- Walking Assist
- Backlight
- Error code
- Levels setting

Interface



Buttons



Attention:

- Don't plug in/unplug this display when power is on.
- Avoid collision or heavy impact to display.
- Keep the plastic membrane for increased water resistance.
- Don't abuse programming parameters if display not functioning.
- Contact supplier if you believe there is a fault with the display.

Installation

Install display on handlebar and adjust its location to suit the riders seated position.

ON/OFF

Long press **Mode / Power** to start display. Long press **Mode / Power** again to switch off.

Note: Display turns off automatically after no operation of motor for ten minutes.

Walking assist

Long press (-) to start assist walking. Highlights on screen. Vehicle goes at 6km/h.

Note: Only use when pushing. Please don't use when riding.

Backlight

Long press (+) to switch on. Long press (+) again to switch it off.

Level

Press (+) or (-) to change the PAS levels. Default range 0 - 6, 0 no output, 6 max output. Default level 1 when switched on.

Battery Level

Four sections are used to show when battery level.



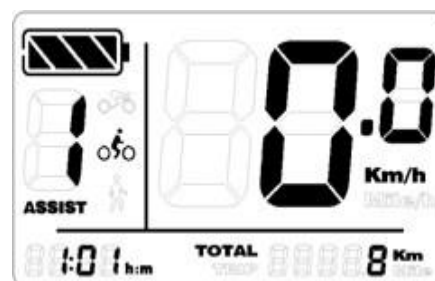
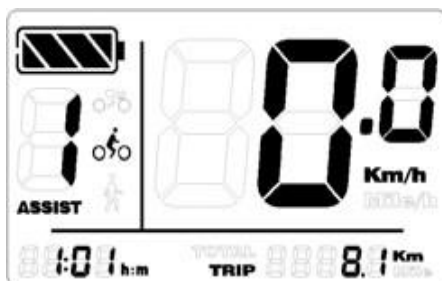
Percentage of capacity for sections:

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

Note: Frame flashes at 1 Hz when power is critically low.

Distance

Press **M** to cycle between TRIP and TOTAL.

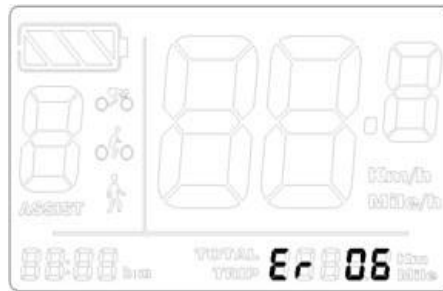


TRIP clearance

Power on, long press **M** and (-) to clear TRIP distance.

Error code

When something goes wrong with system the error code will flash on screen. Details of error codes can be found in the appendix.



Settings

Preparation

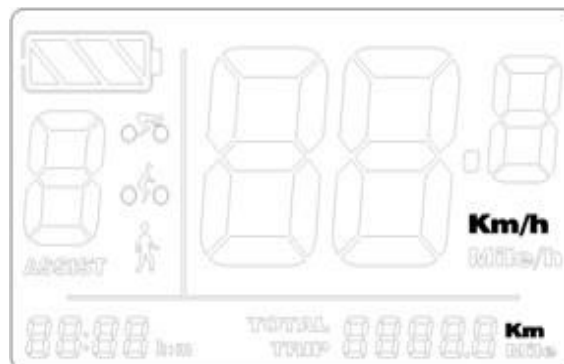
Connect the battery and power on the display.

Settings Mode

Long press (+) and (-) to enter settings mode.

Unit of measurement

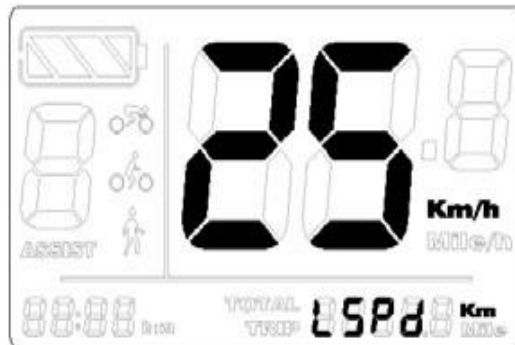
Press (+) to change units Kilometres or Miles.



Press **M** to save and skip to speed setting.

Speed limit

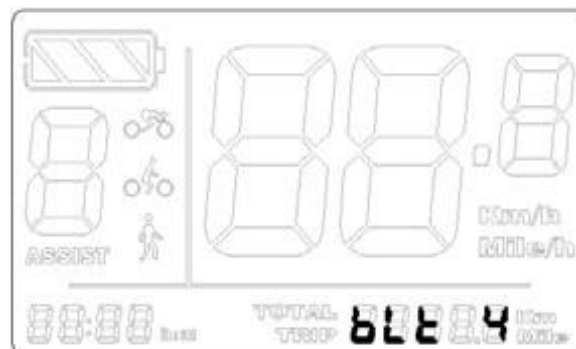
Limit range from 15Km/h to 50Km/h. Press (+) or (-) to change the limit.



Press **M** to save and skip to backlight setting.

Backlight

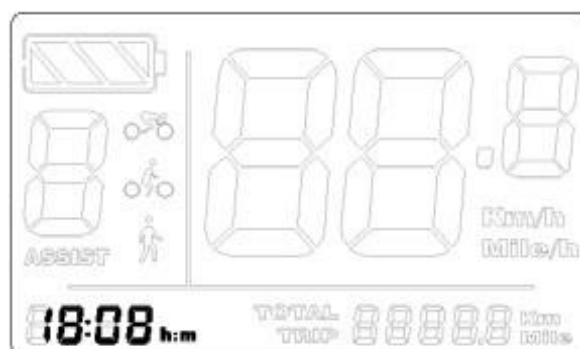
Press (+) or (-) to change the brightness of the backlight. Range from 1 to 8.



Press **M** to save and skip to time setting.

Time

Press (+) or (-) to change the hour, then press **M** to minute setting, press (+) or (-) to change the minute.



Press **M** to save and exit.

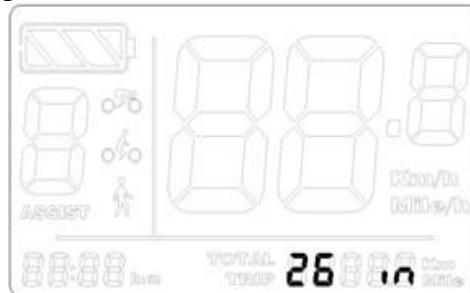
Setting effects after system turned off and on again.

Advanced settings

Long press **M** to start display. Long press (+) and (-) to setting mode, Then press (+) and (-) without releasing while pressing **M** eight times, to advanced setting.

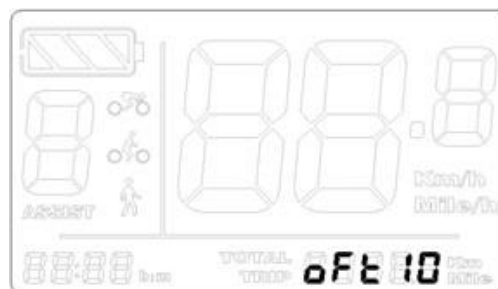
Wheel size setting

Press (+) or (-) to change the wheel size. Range from 8 to 32 inch. Press **M** to save and skip to sleep time interval setting.



Sleep time interval setting

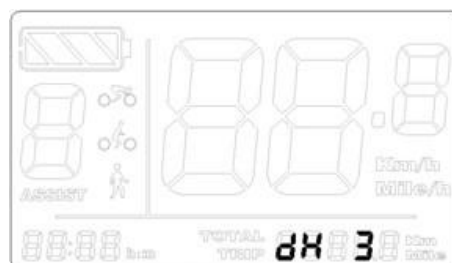
Press (+) or (-) to change the time, range from 0 to 60 minutes. Display will sleep and cut off power after no operation on system for the set time.



Press **M** to save and skip to PAS level amount setting.

Level amount setting

Press (+) or (-) to change the amount, range from 2 to 9 levels (excluding level 0). The default setting is configured by supplier for optimal results.



Press **M** to save and exit. Setting will take effect after restart.

FAQ

Q: Why won't the unit power on?

A: Please check power on/off and wires.

Q: What to do when error code is presented?

A: Please check the probable problem according to the error code list. Please contact supplier if fault can't be resolved by checking system.

Warranty

Under warranty:

1. Warranty term 18 months.
2. Problems due to quality problem within 24 months.

Non warranty faults:

1. Opened display.
2. Connector gets damaged by water or battery short.
3. Scratch or damage on housing after delivery.
4. Wire torn or damaged.
5. Damage result from accidents such fire or natural disaster.
6. Warranty period over.

Software version

This C961 adopts Bafang protocol V4.0 and only communicates with controller installed this protocol.

Error Code List:

- 04 Throttle non responsive
- 05 Throttle abnormality.
- 06 Low voltage protection.
- 07 Over voltage protection.
- 08 Hall sensor abnormality.
- 09 Phase line abnormality
- 10 Controller overheating
- 11 Temperature sensor in controller abnormality
- 12 Current sensor abnormality
- 21 Speed sensor abnormality
- 22 Communication abnormality in BMS