



EBIKE ESSENTIALS C961 LCD Display User Manual

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**EBIKE
ESSENTIALS**

C961 MANUAL



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INTRODUCTION

The C961 display includes the functions shown below:

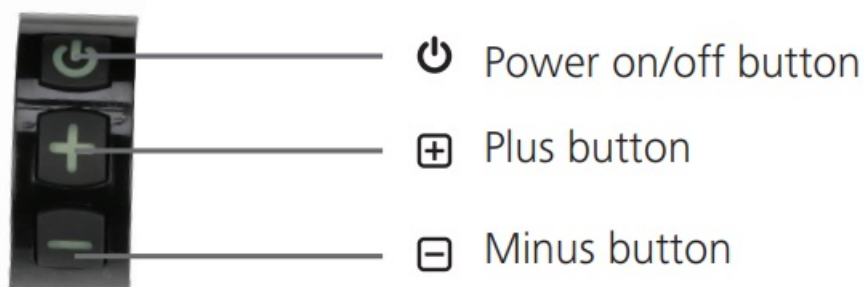
- Multiple Power-Assist Levels
- Walk Assist (slow speed motor assist)
- Distance and Odometer (TRIP/TOTAL)
- Backlight / Headlight
- Speed based on current riding conditions
- Battery Capacity (Not accurate for determining remaining range or capacity)
- Error codes

Notes:





- Operating temperature -4°F to 140°F
- No voltage meter
- No power or wattmeter
- Not waterproof or water-resistant

BUTTONS

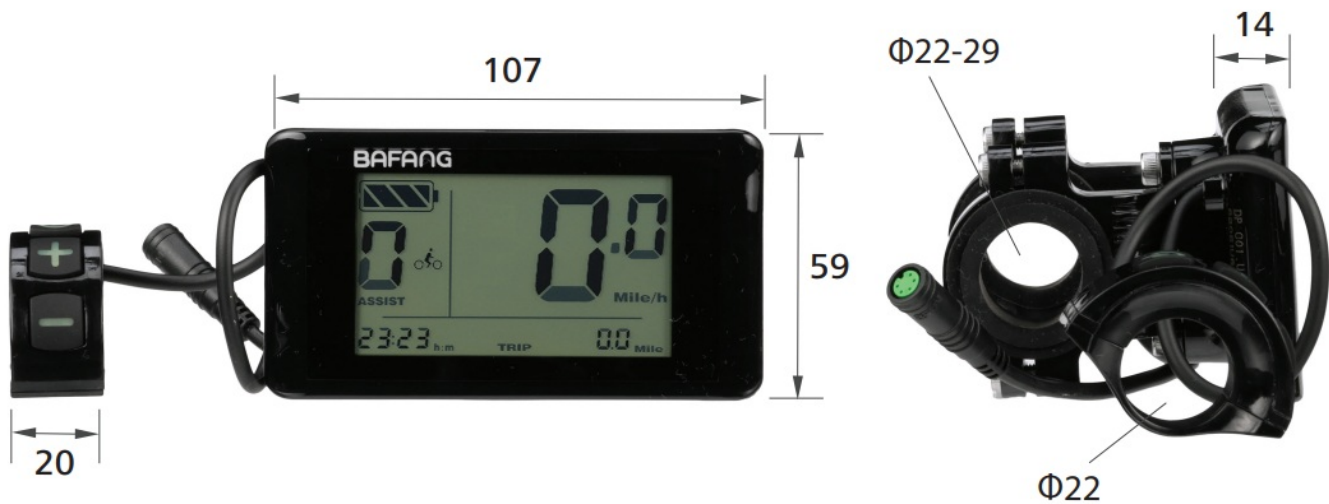
Includes a control pad with a three-button electronic switch.



CAUTION

   	Avoid collisions to prevent damage or malfunction.
	The unit is not water-resistant so protect it from water and other liquids.
	During installation do not overtighten the bolts as this will break the plastic brackets!
	Bolts provided with the display are: 4 – M4 – 0.7 x 8mm (Mount bracket hardware) 2 – M3 – 0.5 x 6mm (Control pad hardware)

OVERVIEW DRAWING



HARDWARE

The C961 comes with all of the necessary hardware to mount on your handlebars. You simply decide where you would like to install it on your handlebars and use the appropriate hardware to attach it.

1 Control Pad Bracket



2 M3 0.5 x 6 mm Bolts
(Control Pad Bolts)



3 Display Brackets



4 M4 0.7 x 8 mm Bolts
(Display Bracket Bolts)



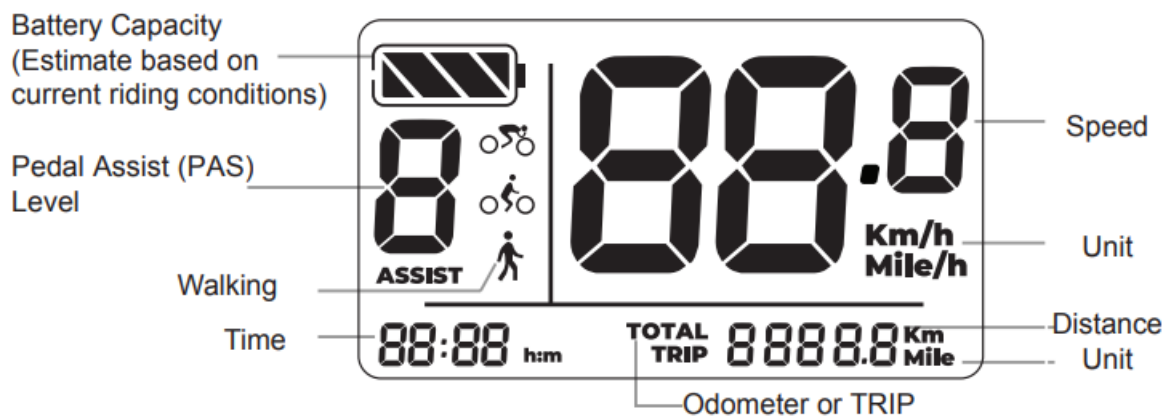
5 Rubber Grommets



6 Display Unit

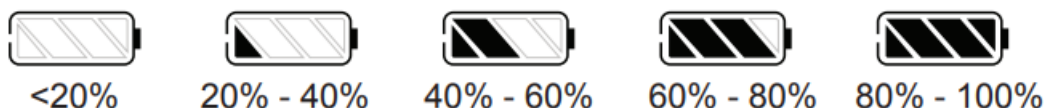


INTERFACE



BATTERY CAPACITY

Battery gauge estimates in percentages:



The battery icon flashes when the battery is low.



The C961 battery gauge estimates the battery capacity based on the real-time battery power output voltage reading and converts it to an estimated % at current riding conditions. This is why it can fluctuate while riding as power demand/output changes.

Please note, that this is just a rough estimate of battery capacity based on riding conditions, and we recommend checking the battery gauge on the battery itself for a more accurate battery gauge by using the charge indicator button and lights. The C961 display is a great entry-level display, however, it is unable to display the real-time voltage of the battery, so the battery gauge is just an estimate.

FUNCTION OVERVIEW



Install the display and control pad on the handlebar and adjust to your desired location, then secure tightly. Plug in the display with the unit in off mode.

1. ON/OFF:

To turn the unit on, press and hold the power button  to start the display. Press and hold the power button  again to switch it off.

Note: The battery must also be turned on (if applicable)



2. Pedal Assist Level:


The display unit is integrated with the control pad to provide several levels of power. Press the  or  button to increase or decrease the power and speed levels.


When the display is powered ON the default is PAS level 0.

Note: Increasing your PAS level provides more power and speed.

3. Walk Assist Mode:

Press and hold the  button to activate walking assist mode. The walking icon  will be displayed on the screen and the motor will move the bicycle at about 4mph.

You need to keep holding down the  button until you are done wanting to use the walk assist.

To turn off the walk assist, let go of the  button.

The function is designed for walking alongside the bicycle only. Please do not use this function when riding.

4. Backlight Display:

Press and hold the  button to turn on the C961's backlight screen. If a front light is installed, this will also power the light. To turn it off, press and hold the  button again.

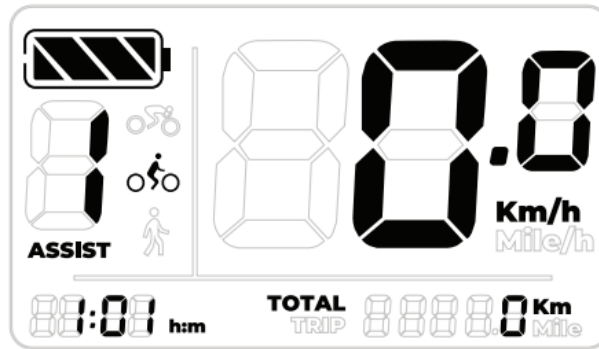
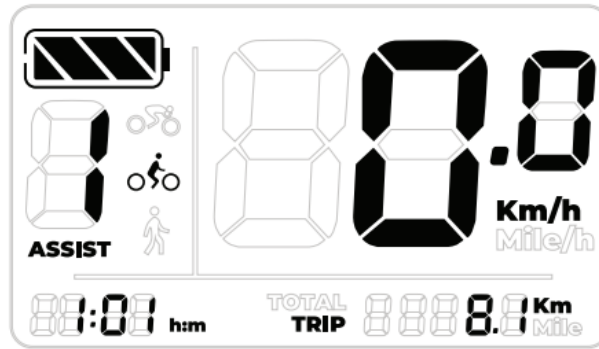
5. TRIP Reset:

With the power on, press and hold both power  and  buttons at the same time to reset the TRIP distance.

Note: This does not reset the Odometer, so the overall mileage data of your motor will still be intact.

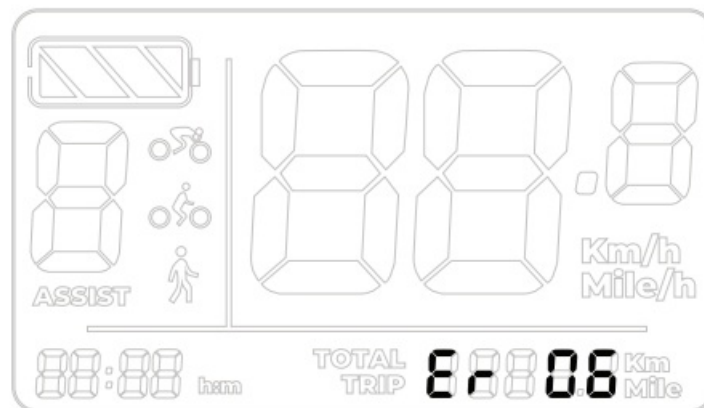
6. Distance (Trip and Odometer):

To switch between TRIP distance and TOTAL distance (Odometer), short press the power button.



7. Error Codes:

When the system encounters a problem, an error code will flash on the display. Check the details on the attached list to determine the cause of the error.






The motor will stop working in the event of an error and will only work again when the error is cleared.

DISPLAY SETTINGS



Preparation:

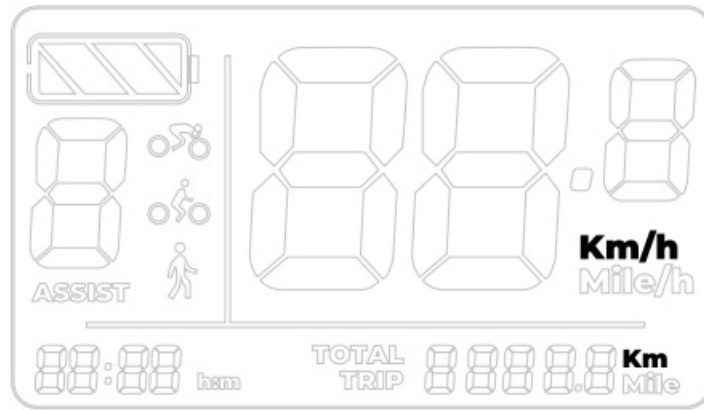
Make sure the display is turned ON.


To Enter Settings:

Press and hold the power button  to turn on the display. To enter settings, press and hold the  and  buttons simultaneously until the setting screen appears.



1. Speed Unit:

The speed unit can either be displayed in Km/h or Mile/h. Press the  or  button to switch between Km and Mile.




Press the power button  to save your preferred unit and go to set speed setting.

2. Speed Setting:



To set the speed, press the  or  button

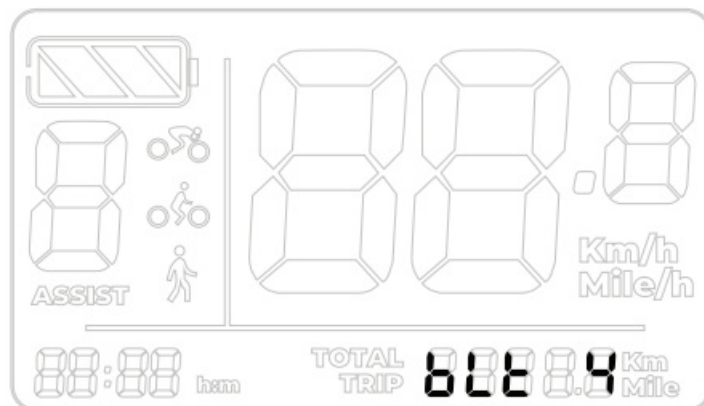



Press the power button  to save and go to the set backlight setting.

Note: Check your local laws regarding e-bike speeds. Setting the speed above the legal limit is not advised.






3. Backlight Brightness:

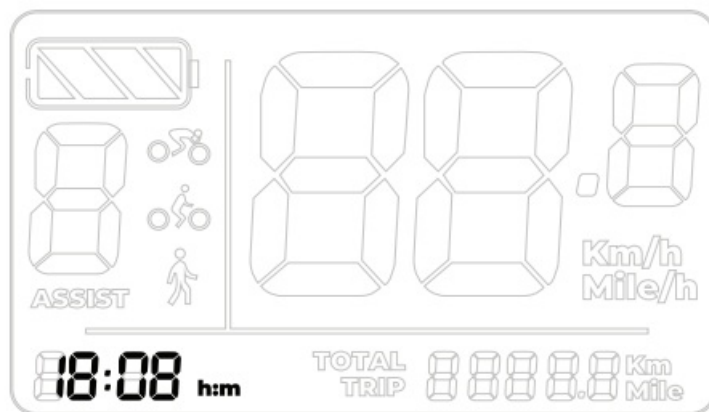
Press  or  button to change the backlight brightness between 0-8. The higher the number, the brighter the backlight.




Press the power  button to save and go to the clock setting.

4. Clock:


Press the  or  button to change the hour, then press the power button  to save and go to the minute setting, Press the  or  button to set the minutes.






Press the power button  to save and return to the home display screen.

ADVANCED SETTINGS






Preparation:

Press and hold the power button  to start the display. To enter Advanced Settings, you will first need to go into Settings.




To Enter Settings:

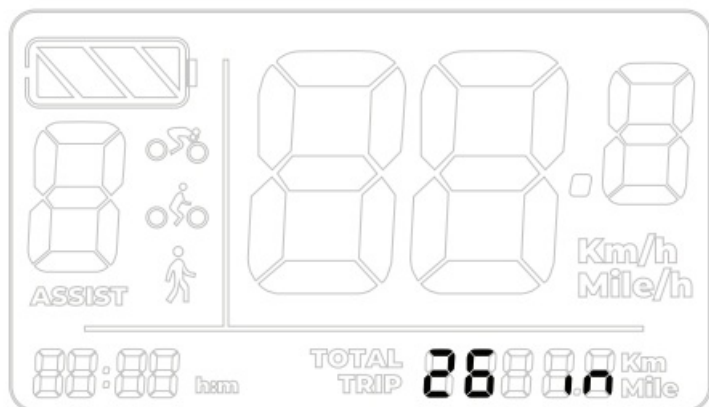
Press and hold the power button  to turn on the display. To enter settings, press and hold the  and  buttons simultaneously until the setting screen appears.

To Enter Advanced Settings:

When in the above Settings, press and continue holding the  and  button simultaneously, then rapidly press the power button  eight times. Do not release the  and  buttons while pressing the power button.

1. Wheel Size:

Press the  or  button to change the wheel size between the range of 8 to 32 inches. Press the power button  to save and go to Auto-Off Function Setting.



Make sure to select the correct wheel size for accurate speed and TRIP info.

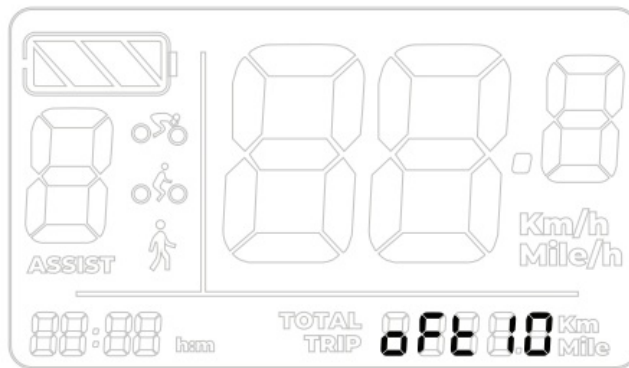
Available Wheel Sizes are:

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 700c, 28, 29, 30, 31, 32

2. Auto-Off Function (oFt):

This is the amount of time of inactivity before the system turns off.

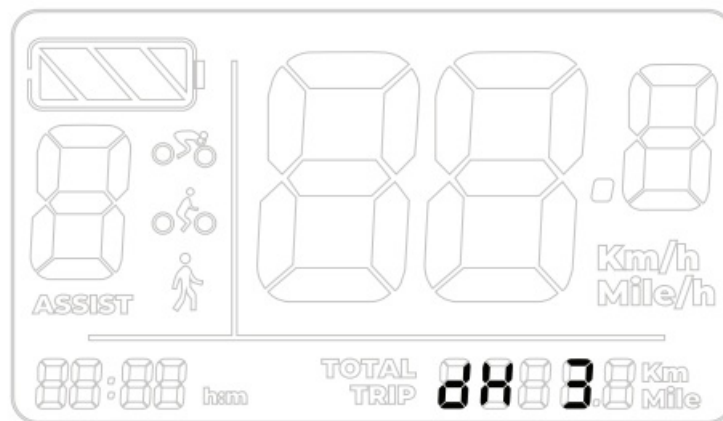
Press the **+** or **-** button to change the time between the range of 0 to 60 minutes. The display will sleep and switch off after no operation on the system for the selected time.



Press the power button **⏻** to save and go to the pedal-assist setting.

3. Pedal Assist Setting (DH):

Press the **+** or **-** button to change the number of pedal-assist levels between 3, 5, and 9.



Press the power button **⏻** to save and return to the home display screen.

Note: The number of pedal-assist levels (3, 5, or 9) you set in your display divides the total power of the motor among the number of pedal assist levels.

* We highly recommend setting your display to 9 Pedal Assist Levels to have access to more incremental and available power levels.

ERROR CODES

Error code	Error definition
5-Apr	Throttle fault
6	Low voltage cut-off protection
7	High voltage cut-off protection
8	Hall sensor fault
11-Oct	Max temperature protection cut-off
12	Controller fault
21	Speed sensor fault
22	Battery communication fault
30	Communication fault



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Documents / Resources

	<p>EBIKE ESSENTIALS C961 LCD Display [pdf] User Manual C961, LCD Display, C961 LCD Display</p>
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References

-  [Mid-Drive e-Bike Kits | Ebike Essentials](#)