RTG BIKES

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C500B Instructions

Contents

Introduction

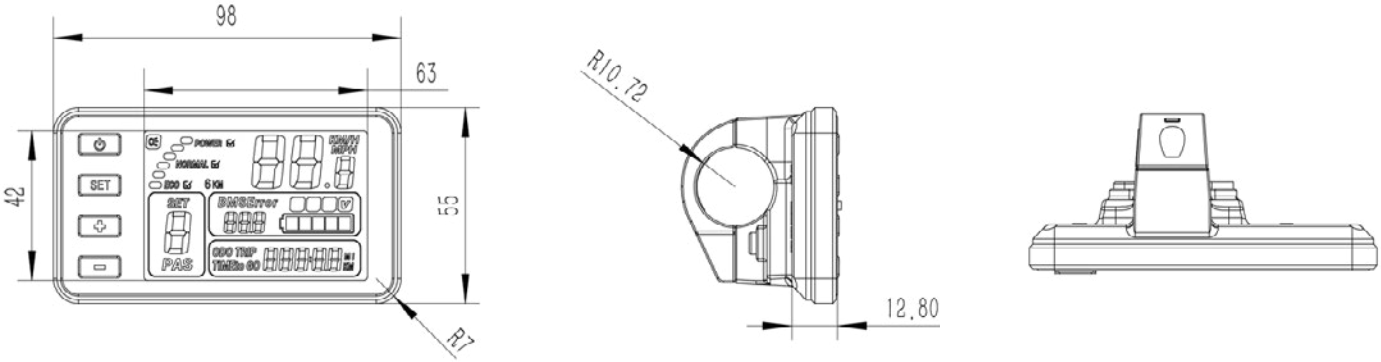
For starters, thanks for your purchase and for choosing Ride the Glide! No doubt you're very excited to get out and riding right away, who wouldn't! But please first take a moment to read through this instruction manual to learn the ins and outs of this display, how to operate it and allay any confusion.

Note about Warranty

If you ever have any issues with your e-bike, whether mechanical or electrical please contact us immediately and without delay. Warranty can be voided by not disclosing an issue and not having it fixed in a timely manner. And remember your bike is only as good as the shape you keep it in so please make use of your first year of free tune ups.

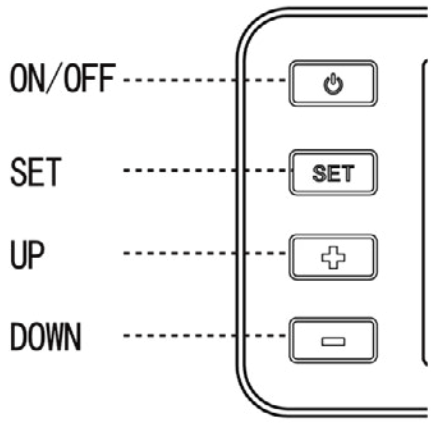
The Display

The C500B display is made of black ABS plastic and the bracket is a nylon plastic. The normal operating temperature range is -20 to 60°C
Dimensions in mm



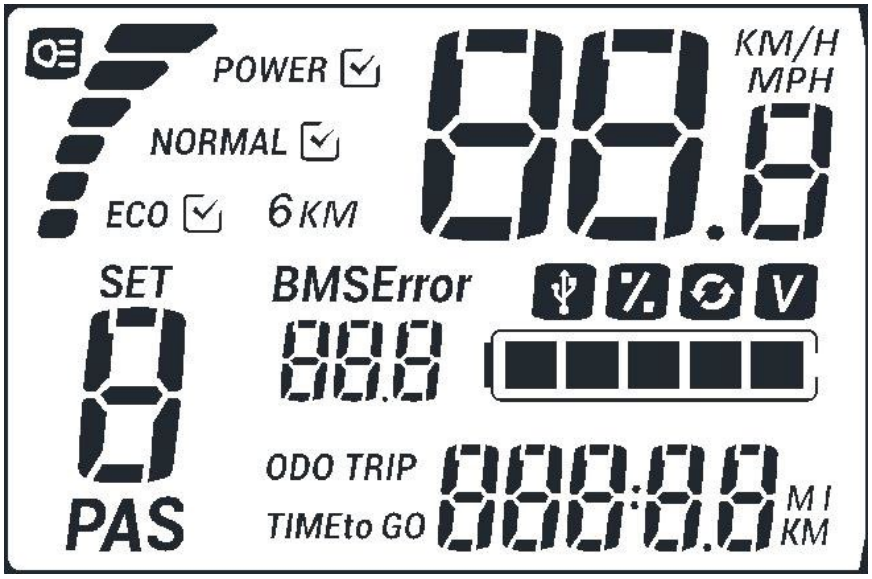
The Buttons

The C500B has four buttons including ON/OFF, SET, UP and DOWN.



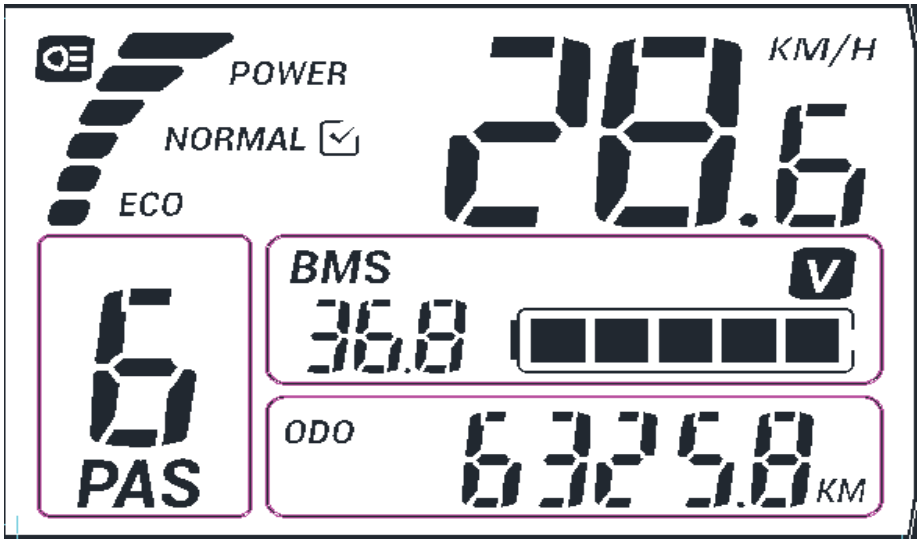
The Display

The C500B has wide range of functions and indicators. The diagram below shows the full contents of the display



Normal View

With the display on the default display is the speed, odometer (trip and time), pedal assist level (default to zero or one depending on model), mode indicator (eco, normal or power), current level and battery level.



Operation

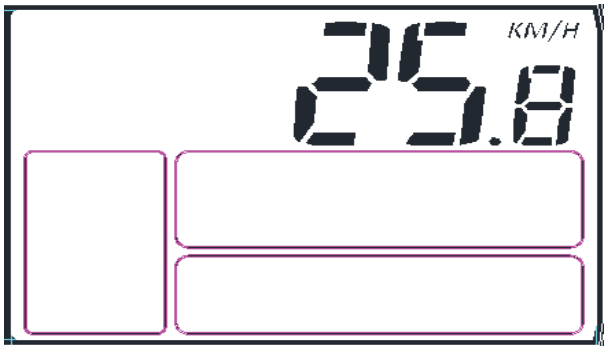
On/Off

Press the ON/OFF button to start the display, this will provide power to the controller and turn on the bike. Pressing the ON/OFF button with the display on will turn the back light on as well as the front and rear lights. To turn the display and the bike off hold the ON/OFF button for 3 seconds until the display powers off. With the display turned off there is no battery consumption and the display itself when on draws no more than 2μA (micro amps).

The display panel will automatically turn off if the speed is 0km/h for five minutes.

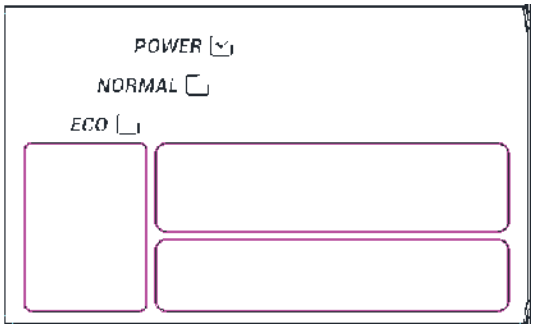
Speed Display

The speed displays in the top right corner, the default reading is in km/h but can be changed to mph in the settings.



Riding Mode

There are three riding modes available, eco, normal and power, which regulate the amount of available power. Eco will regulate up to 6A, normal at 10A and power up the maximum of 12A. The default is normal and can be changed in settings.



Current

This gives a visual representation of the discharging current of the battery. Each mark is 2A, all six marks is equal to 12A.

Pedal Assist Level

This determines the speed and amount of power when pedaling. Default is 0 or 1 depending on model and can be changed by clicking the up or down buttons. 0 pedal assist is no pedal assist, but power is still available with the throttle. For pedal assist 1-5 levels are available with 1 being the least and 5 being the most.

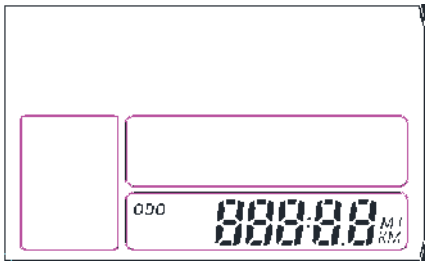
Odometer, Trip, Time

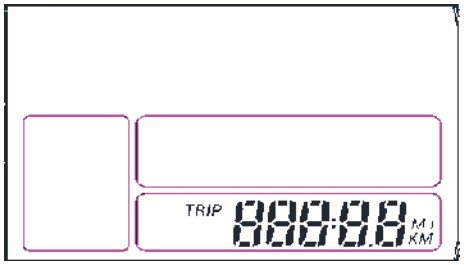
The odometer, trip odometer and riding time display in the bottom right of the display. You can switch between each by clicking the set button.

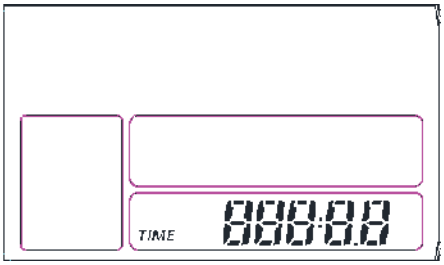
The odometer is to total distance the bike has been ridden with the display powered on, this cannot be cleared.

The trip odometer is cumulative up to 500km at which point it will automatically reset. The trip distance can be manually reset.

The riding time indicates how long the bike has been above zero speed. This is automatically reset when the display is powered off.

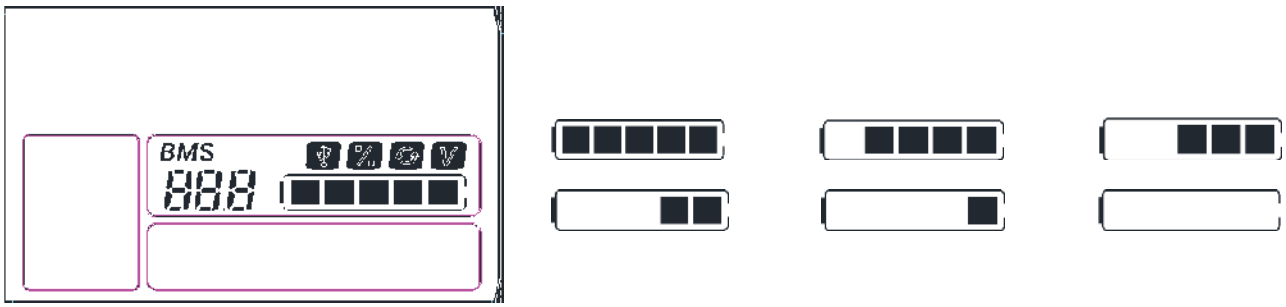






Battery Indicator

The battery frame has five segments, each representing 20% battery capacity. When the battery is severely depleted the outside edge of the battery frame will flash, indicating it needs to be charged immediately.

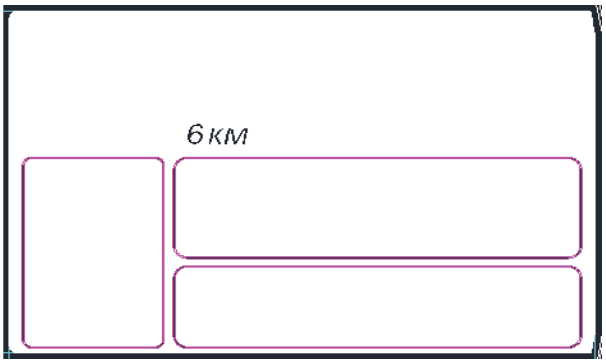


Back light/Light Indicator

With the display powered on click the on/off button to turn on the front and rear lights as well as back light the display. Click it again to turn the lights off.

6km/h Walk Assist

Hold the down button for 2 seconds to engage the 6 km/h walk assist mode, releasing the button will turn the walk assist off.



Settings

Hold the set button for 2 seconds to enter the settings interface. The lights with flash on and the screen will become back light. Use the set button to cycle between settings and use the up and down buttons to select the desired parameter. Hold set for 1 second to save and exit the settings interface.

SET 0: Riding Mode

Select the desired riding mode, eco, normal or power.

SET 1: Trip Reset

Click the down button to reset the trip distance.

SET 2: Max Speed Limit

The max speed is set by default to 32 km/h to comply with local laws but can be adjusted from 20 km/h to 99.9km/h (no speed restriction)

SET 3: Wheel Diameter

Select the suitable value to ensure accurate display of speed and mileage. *Correctly set from factory, no need to change.

SET 4: Speed Units

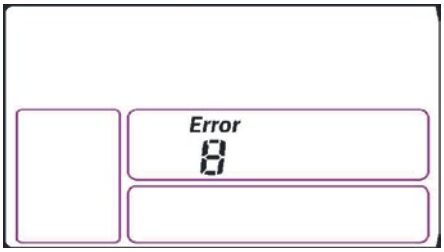
Select either mph or km/h depending on your preference. Default is km/h.

USB Charging

There is a USB charge port below the display that allows you to charge a mobile phone or other device. In order to turn on USB charging press and hold the set and up buttons for 2 seconds. The USB icon, as shown below, will turn on. Repeat to disable this feature.

Error Codes

If a fault is detected within the electronic control system, the display will flash and show an error code. Reference the table below for code details. If your display shows an error immediately contact Ride the Glide about the error code and set up an appointment to bring your bike in to have it looked at.



Error Code	Description
1	Current error or MOS damaged
2	Throttle error (start detection)
3	Motor no phase position
4	Hall error
5	Brake error (start detection)
6	Under voltage
7	Motor stalling
8	Controller receiving error
9	Display receiving error