

BLU@REV



CAN@DIAN USER MANUAL



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BLU@REV
CAN  DIAN





Congratulations on purchasing your new Bluerev Bike!

You have chosen wisely!
Your Bluerev bike will give you a superb riding experience for many years to come.

Please read this manual carefully before using your bike it will help you assemble your bike properly and keep your bike in top condition, more importantly this will ensure your safety while using the bike.

If you don't feel comfortable assembling the bike on your own it is highly recommended that you have your bike assembled by a bicycle mechanic.

If you have any other questions please refer to the BLUeREV website's contact page to speak to us.

www.bluerev.ca

Email: info@bluerev.ca

Phone: 1-647-715-9000

THANK YOU FOR CHOOSING BLUeREV!

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SAFETY CHECK BEFORE FIRST USE

Please check the following components: handlebar, stem, pedals, crank, wheels. Ensure they are properly installed and tightened. While some of the components are pre-assembled, it is still important to make sure every component is tightened at the indicated torque value. Failing to notice a loose component may cause it to detach during use and lead to serious injury.

Wheels: A critical part of assembling your bike is securing the front and rear wheels and checking the tightness of the wheel axle nuts. Properly installed wheels are essential to the safe use of the bike.

Tires: Both tires must be inflated as specified in the manual. Failing to do so will reduce performance, increase tire wear, and compromise your safety.

Crank: Ensure the crank (pedal arm) is tightened at the indicated torque value. *(required tools: 8mm hex key, recommended torque 40-42 N.m)*

Brakes: Ensure brakes are working correctly and properly secured. When braking, apply the rear brake first, then the front brake. If brakes are not correctly applied, they may lock up and you may lose control.

It is recommended to perform the above safety checks every (200-300km)/(120-180miles) or if the bike is not used for 3 weeks.

For Your Safety

Users must become accustomed to the power controls before riding. It is highly recommended that you ride your new bike in an open area and set the power assist level to "0". Once you feel confident operating your bike, increase the power assist gradually.

Keeping your hands over the brake levers is good practice. The brake levers have motor inhibitors that will shut down the motor power when applied. If for any reason you lose control, apply the brake levers immediately to shut down the motor power. Do not try to stop your bike using your feet, as this may cause the user to lose balance.

When walking or carrying your bike, turn off the power to avoid accidentally switching on the motor. If the motor is accidentally switched on, immediately apply the brakes to cut off the power to the motor.



USING THE BIKE

How the Bike works

Your new E-Bike has an internal controller that provides variable power to the motor(s) using 2 sensors for the Pedal Assist mode. There is also a Twist Throttle Grip on the handlebars for pedal free riding.

Throttle: The handlebar twist throttle mechanism allows partial or full motor power to be activated. Unfamiliarized users should be more cautious when first pushing the throttle. The throttle function is deactivated when the pedal assist level is set to "0".

Pedal Assist (Cadence Sensor): The cadence sensor activates the motor when the crank is in motion and provides appropriate power to the motor.

Pedal Assist (Torque Sensor): The torque sensor activates the motor when pressure is applied to the pedals. Variable power will be applied to the motor depending on the amount of pressure being put on the pedals.

Maintenance

It is important to perform proper maintenance and often fine-tune your bike to ensure optimal performance and safe riding.

Regularly lubricate your chain, gear shifter, sprocket, and all moving parts. Always check the condition of your bike before riding and make sure that it is well maintained. **When in doubt, consult a bicycle mechanic for assistance!**

Warning: If you do not have the experience, skill, or tools to complete maintenance or adjustment of your bike, it is highly recommended to have a bicycle mechanic check your bike and ensure it is safe to ride.

Liability Disclaimer

There are risks associated with the use of any bike over time which cannot be predicted or avoided and are the sole responsibility of the rider. You are responsible for your own actions while using an electric bike.

Bluerev is not responsible nor liable for any accidents or injuries (whether caused by you or others) that may occur during your use.

We recommend contacting your insurance provider to determine if your current insurance policy would cover you in the event of an accident.



ASSEMBLY

Handlebar (required tools: 5mm hex key)

Do not carry the bike or move the fork during the handlebar assembly process. The fork must be fully inserted into the frame.

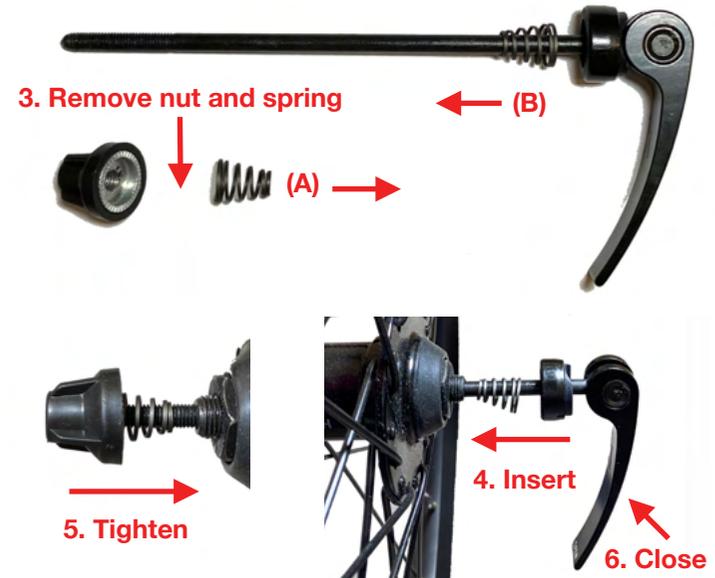
1. Unscrew the retainer from the head tube.
2. Remove the silver spacer from the head tube.
3. Insert the handlebar stem into the head tube and tighten the retainer. (*recommended torque 8 N.m*)
4. Align the handlebar with the front wheel and tighten the two bolts on the side of the stem. (*recommended torque 12N.m*)



Front Wheel

1. Remove the brake pad protector located between the brake pads.
2. Assemble the wheel by inserting the disc brake rotor between the brake pads, then insert the fork end onto the wheel axle.
3. Remove the nut and spring (A) from the quick release skewer
4. Insert the quick release skewer with spring (B) pointing inward into the right side of the wheel axle.
5. Insert spring (A) pointing inward into the left side of the quick release skewer and tighten the nut.
6. Close the quick release lever and tighten by turning clockwise.

(The quick release skewer is attached on the tire)



ASSEMBLY

Rear Wheel (required tools: 18mm wrench, recommended torque 40 N.m)

Ensure the rear wheel is tightened at the recommended torque value.

Tire pressure

Inflate the tires to (35 PSI). Recommended tire pressure is indicated on the tire sidewall.

Do not over-Inflate or under-Inflate tires.

Fender (Required tools: 5mm hex key, 15mm wrench)

1. Insert the fender hook into the fork arch.
2. Insert the bolt into the fender hook and tighten on the fork arch.
3. Use the bolts mounted on the fork to tighten the fender stays.

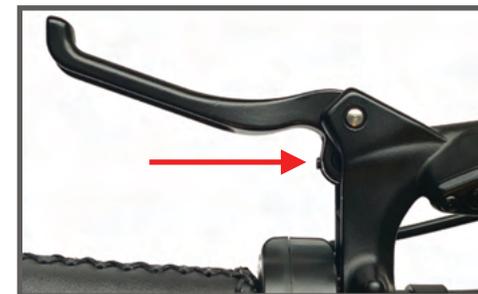


Bottle Holder

Use the screws provided to Assemble the bottle holder.

Hydraulic Brake Lever Adjustment (required tools: 2mm hex key)

1. Tighten the indicated bolt to extend the brake lever reach.
2. Loosen the indicated bolt to shorten the brake lever reach."



ASSEMBLY

Pedals (Required tools: 15mm wrench, recommended torque 35-40 N.m.)

The right and left pedals are marked with an "R" or "L" on the end of the thread. The right pedal axle has a smooth surface whereas the left pedal axle has grooves.

The pedal and crank threads must line up easily. Ensure that you tighten the pedals with your hand first. It should be easy for the first few turns. Do not force if tightening is hard. Stop immediately as the pedal thread is not aligned and continuing to do so will damage the thread of the crank.

1. Apply a small amount of grease onto the pedal thread axle.
2. Insert the **right** pedal into the right crank. Carefully thread the pedal **clockwise** onto the crank by hand slowly and then tighten.
3. Insert the **left** pedal into the left crank. Carefully thread the pedal **counter-clockwise** onto the crank by hand slowly and then tighten.

Warning: Inserting the pedal into the wrong angle or not tightening it firmly will tear and strip the crank thread and will cause the pedal to detach.

Removing The Battery

The battery keys come attached to the handlebar. Insert the key into the key port, turn clockwise, and pull the battery or battery lever.

Warning: Failure to carry out proper assembly, operation, and maintenance can result in serious injury.



BATTERY CHARGING

Battery Charging

Ensure the battery is fully charged before your first ride. The charger will show a red light indicating that the battery is charging.

Once fully charged the light will turn green.

Remove the charger from the battery within one hour after it has been completely charged. The charger will automatically stop charging when the battery is full, however, unnecessary damage to the charging components could occur if the charger is left attached to the battery and power source.

The battery can be charged after each use. **Charging the battery after short rides will not cause damage.**

- Warning**
- Charge the battery on a non-inflammable surface with a smoke/fire detector in place. Do not charge the battery in a wet and humid place or anywhere exposed to strong sunlight.
 - Always charge your battery where temperatures are between 10 - 25C.
 - Charge the battery with the supplied charger. Do not attempt to use another charger as it may damage the battery or cause a fire or an explosion.
 - Do not leave the battery unattended while charging.

Failure to follow proper charging procedures can result in damage to your battery, charger, and other personal property.

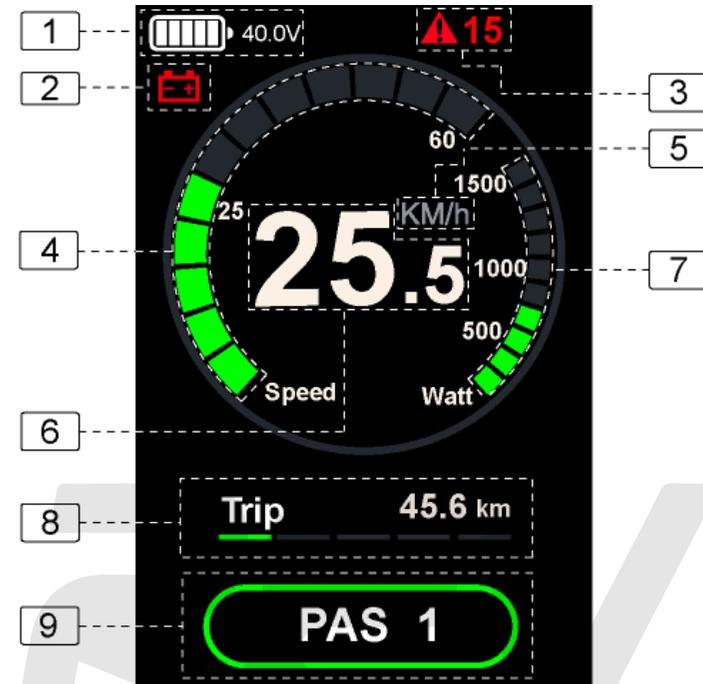
Battery Storage

- Keep the battery indoors during extreme weather.
- Avoid storing the battery in places of high temperature or high humidity.
- Charge the battery to 70% if not used for two months. The battery will slowly discharge overtime. When the battery reaches 20% charge it again to 70%.



C900E LCD DISPLAY

1. **Battery voltage display:** Displays the current battery voltage.
2. **Under voltage indication display:** Display the current system under voltage indication.
3. **Fault indication:** Display the fault information that is currently occurring.
4. **Speed indicator:** Displays real-time speed in the form of a progress bar.
5. **Unit:** Select KM/H or MPH as the current display unit.
6. **Speedometer display:** Displays the current speed per hour. The current speed unit is displayed according to the user settings. When the speed is 0, "P" is displayed here.
7. **Power indicator:** Current realtime output power of motor.
8. **Trip:** Displays the user's single riding mileage.
9. **PAS:** Displays the current output power.



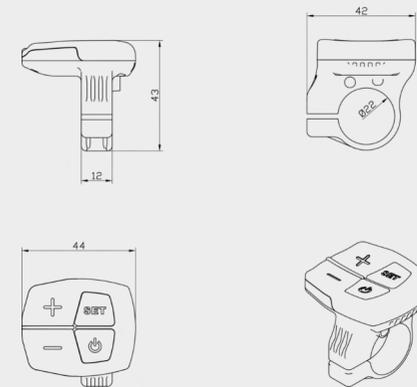
INFORMATION DISPLAY

- ODO:** The ODO (odometer) records the driving mileage from using the accumulated value - cannot be cleared.
- Time:** Displays the current time of a single ride.

WALK MODE

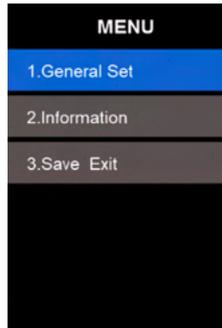
- 6 KM:** Hold the (-) button for 2 seconds to activate Walk Mode. This will provide a little assist when walking alongside the bicycle, especially useful for walking up hills.

C900E has four buttons including ON/OFF SET UP and DOWN

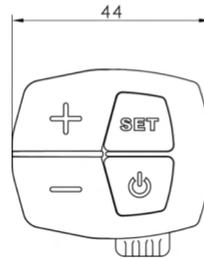


DISPLAY

General Setup



Hold the **SET** key for 2 seconds to enter the general settings interface, press the SET key to confirm the setting being adjusted.



3. Speed Limit setting



Display only, general setting interface is not adjustable, see advanced settings for more information.

1. Trip Clear



Clear the trip odometer with this function.

4. Wheel diameter setting



Sets the wheel diameter of the bicycle for proper speed reading and operation.

2. Brightness level setting



Adjust the LCD brightness for optimal visibility.

5. Unit



Choose your desired unit of measure for speed and proper operation.

Press  to jump to the next page



DISPLAY SETUP

6. Voltage setting

Display only- not adjustable

7. Skin setting

<< General Set	
⏴	
1.6.Battery	52V
1.7.Mode	Green
1.8.Auto Off	3min
1.9.Password	0000
1.10.Exit	

Change the colour and look of the display screen.

8. Sleep time setting

<< General Set	
⏴	
1.6.Battery	52V
1.7.Mode	Green
1.8.Auto Off	3min
1.9.Password	0000
1.10.Exit	

Press SET to select the parameter value after the font turns orange, and then press the SET key. After the font turns white, jump to exit and exit to the main interface.

9. Password

<< General Set	
⏴	
1.6.Battery	52V
1.7.Mode	Green
1.8.Auto Off	3min
1.9.Password	0000
1.10.Exit	

"0000" means turn off the power on password

10. Exit

<< Information	
2.1.HW ver.	1.0
2.2.SW ver.	1.0
2.3.Exit	

<< General Set	
⏴	
1.6.Battery	52V
1.7.Mode	Green
1.8.Auto Off	3min
1.9.Password	0000
1.10.Exit	

11. Save & Exit

MENU	
1.General Set	
2.Information	
3.Save Exit	

Save your new settings with the SET key on your handlebars.



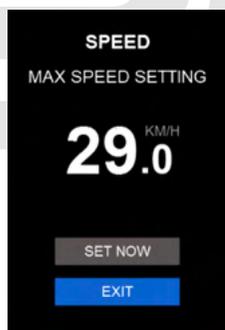
ADVANCED - SPEED LIMIT

1. Speed limit Password



Hold SET and DOWN for 10 seconds to enter advanced setting to set up System Parameter, password : **2020** must be entered.

1. Speed limit setting



Enter the desired MAX SPEED setting and push SET NOW and then EXIT to finish the set up.



WIRE ORDER

WIRE SEQUENCE

WIRE COLOUR

FUNCTION

1	RED	BATTERY+
2	BLUE	WEAK LOCK
3	BLACK	BATTERY-
4	GREEN	UART - RECEIVE (RXD)
5	YELLOW	UART - SEND (TXD)

Common problems and solutions

Q. Why the display is not able to start up?

A. Checking the connector that between display and controller.

Q. How to deal with error codes?

A. Please refer to error table on page 15 of this manual, if unable to resolve issue please take your bike to an authorized BlueRev Dealer.



ERROR CODE TABLE

ERROR CODE	DEFINITION
0	Normal
1	Temperature protection
2	Short-circuit protection
4	Throttle Error
5	Motor Hall Signal Abnormality
6	Torque Signal Error
7	Motor Stalling
8	Under Voltage
9	Over Voltage
10	Hall Error
15	Communication Display Receiving Error



CLEANING

- Clean your bike after a wet ride and store in a dry place to avoid rust and corrosion.
- Always remove the battery when cleaning or servicing your bike.
- Clean the battery and the battery housing with a slightly damp rag if necessary.
Do not spray with water as this may damage the battery or cause a short circuit!

Tips

- Regularly check the tires pressure and ensure that they are inflated with appropriate air volume. Recommended air pressure is (40 PSI) for regular tires and (20 PSI) for fat tires. However, this may vary depending on riding conditions and your weight.
- Lube your chain frequently every 150 km. Use a special bike lube to maximize performance and get a smooth ride.
- Park your bike indoors during wet conditions. Just like a regular bike, it requires proper maintenance to ensure that all electrical systems are working correctly, and to prevent your bike from becoming rusty and corroded.
- Avoid transporting your bike on a vehicle rack during rain, as this may allow water to infiltrate the electrical components.

Legal Requirements:

Electric bicycles are regulated, and regulations vary depending on your country/state/province/city. It is your responsibility to stay informed of local laws and to comply with them. You may contact local authorities, electrical bicycle shops or bicycle laws to acquire further information on legal requirements.

You are required to wear a helmet for your own safety. Use front and rear lights after sunset for increased visibility.



SERIAL NUMBER

It is important to keep a record of your serial number as this will be required by the police in case of theft. Bluerev does not keep any records of the serial numbers of bikes sold. It is your sole responsibility to take note of the serial number upon receiving your bike.

Warranty

Our bikes are built using durable frames and quality parts supplied by solid brands. Each bike comes with a 12-month warranty against defects from the manufacturer.

Electrical Parts

Electrical parts include the LCD screen, throttle, controller, pedal Assist sensor, motor, and battery. These parts are user-friendly and can be easily replaced by the user. If an electrical problem is found, our team will provide the necessary support to resolve the problem. Parts that are defective beyond repair will be replaced and shipping costs will be covered.

Mechanical Parts

Mechanical parts that are found damaged upon receiving the bike are covered by the warranty. The warranty does not cover mechanical parts that are damaged as a result of using the product, including tires, brakes, gears, and pedals.

WARRANTY DOES NOT COVER:

- Normal wear and tear
- Damage resulting from improper assembly and use of the bike
- Damage or failure as a result of abuse, neglect, lack of maintenance, misuse, or accidents
- Damage resulting from improper charging of the battery or use of any charger not supplied by Bluerev
- Replacing headlights and taillights

Installation of any electrical components not originally supplied by Bluerev will void the warranty.



If you have any other questions please refer to the BLUEREV contact page on our website.

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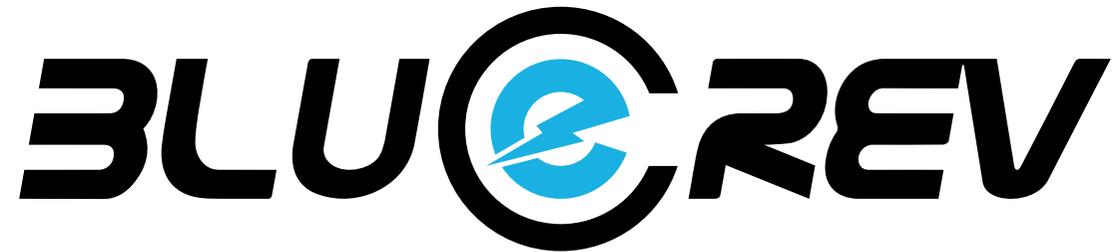
Contact us directly:

Phone 647-715-9000

Email: info@bluerev.ca

Thank you for choosing BLUEREV!





This manual is subject to change or withdrawal without notice.

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