

ELECTRIC BICYCLE USER MANUAL



Read Carefully Before Use
Keep for Future Reference

Safety Information

Warning!

- Install and adjust this bicycle **ONLY** in accordance with these instructions. Read them completely prior to installation and use. Contact customer service if any point is unclear.
- **ALWAYS** obey all applicable local and national laws and regulations while riding. Do not ride this bicycle in any area prohibited to electric bicycles. Always wear your helmet and other required protective gear. Always maintain your reflectors and other required safety equipment.
- Check whether the brakes function well using the brake levers before riding. Even after power is cut to the motorized wheel, the inertia of the bike will often require active braking power.
- **ALWAYS** ensure all fasteners and components are intact and securely tightened before and after every use.
- **DO NOT** ride this bicycle if any part is damaged or malfunctions. Repair or replace worn and broken parts before further use.
- Pay attention to the remaining power before setting out and during use. Recharge your battery as needed to ensure it never runs out of power at a moment where you are taken by surprise.
- **DO NOT** allow children or persons unfamiliar with these instructions to operate this bicycle without strict supervision.
- **DO NOT** wear loose footwear or clothing that may become caught in the wheels or any other moving parts.
- It is recommended that you not ride your bike fast when getting started. This can be ensured by setting the bike's maximum speed limit low until you are fully familiar with your new electric bike and its controls.
- **ALWAYS** be alert for people, animals, or any obstacles that may appear in front of you while riding your bicycle. Be aware that pedestrians and drivers may not expect the speed or responsiveness of your bike. Adjust your behavior accordingly. It is advisable to install warning devices to draw their attention, but always be ready to turn safely out of their way if needed. Do not focus on the LCD display for extended periods of time while riding.
- **NEVER** ride at a speed where your stopping distance exceeds your visibility. We do not recommend that you ride your bicycle at night or in an environment with poor visibility. If you have an emergency that makes it necessary to do so, keep your light on and limit your speed appropriately.
- **DO NOT** get the battery, its charger, or its power cord wet or operate them with wet hands.
- **NEVER** use the pedal assist system (PAS) or timed shutoff in any situation, road condition, or terrain where doing so might impair your control of your bicycle.
- **NEVER** adjust 02, 04, or 05 on the LCD display panel. Adjustment of these parameters should only be made when using the display with other compatible motorized wheels of differing voltage, diameter, or magnet arrangements. In any other case, any adjustment of these parameters should be undone immediately and the original settings restored before any further use of this bicycle.
- Disconnect the battery from this bicycle before any cleaning, servicing, and storage.

Specifications

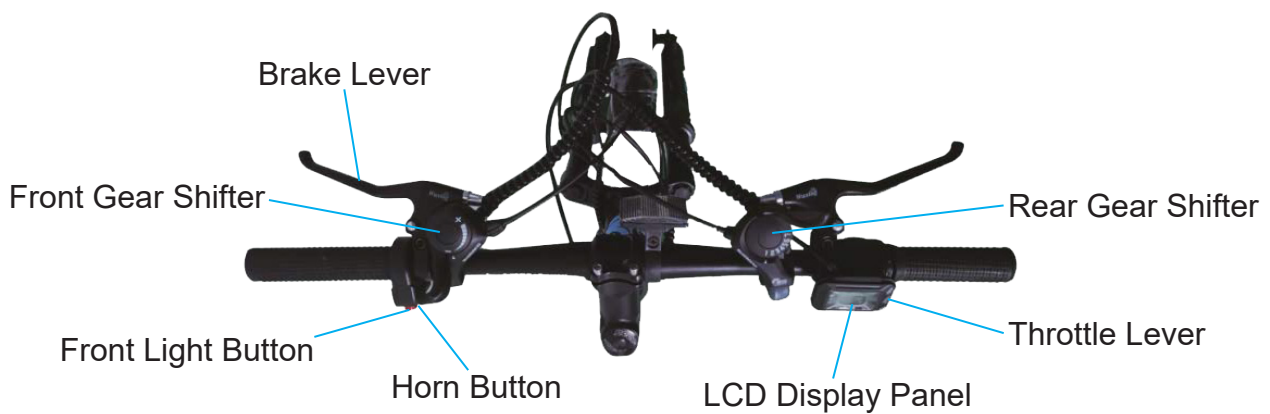
Motor Power		350W	
Battery	Type	48V Lithium	02=48
	Waterproof Rating	IP65	
Wheel Diameter		26 in. (66 cm)	04=26
Magnet Arrangement		1 × Alnico Magnet Ring	05=1
Max. Speed Limit Range		15.5–20 mph (25–32 km/h)	

Product Diagram

Bicycle



Handlebars



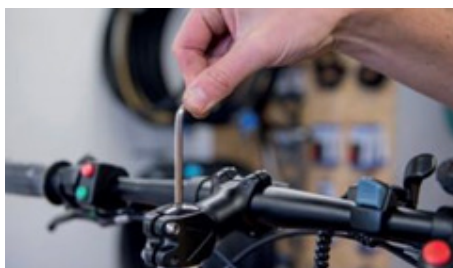
Parts List

Item	Name	Qty.
A	Main Frame with Motorized Rear Wheel, Brake Disc, Chain, & Derailleur	1
B	Handlebars with LCD Display Panel	1
C	Front Wheel with Brake Disc & Caliper	1
D	Pedals	2
E	Seat	1
F	Front Light	1
G	Battery	1
H	Charger	1
I	Power Cord	1
J	4mm Hex Wrench	1
K	5mm Hex Wrench	1
L	8×10mm Wrench	1
M	13×15mm Wrench	1
N	Phillips Screwdriver	1

Assembly

To see these instructions in video form, search the **Viribus Bikes** channel at [youtube.com](https://www.youtube.com).

1. Installing the Handlebars



1. Unscrew the top bolt and remove the cap from the stem of the handlebars (B).
2. Loosen the two side bolts on the left and right of the stem.
3. Slide the stem into the head tube of the main frame (A), ensuring the brake and derailleur cables are in the front of the bicycle.
4. Replace the cap, tightening the top bolt with the 5mm hex wrench (K).
5. Set the front fork facing forward, placing the brake caliper to the rear of the fork.
6. Retighten the two side bolts with the 4mm hex wrench (J) until the handlebars are locked in place.

2. Installing the Front Wheel



1. Loosen each nut on the axle of the front wheel (C), adjust each washer to leave a space.
2. Rotate the handlebars, placing the front wheel's brake disc at the same side of the brake caliper to the rear of the front fork.
3. Attach the front wheel to the front fork, sliding the brake disc into the slot of the brake caliper and placing the axle onto the slots of the fork's tips.
4. Rotate the captive washers and seat their tabs into the holes above the front wheel axle.
5. Tighten the nuts with the 15mm opening of the wrench (M).

3. Aligning the Handlebars



1. Secure the bicycle using a bike stand (not included).
2. Loosen the two side bolts on the stem of the handlebars with the 4mm hex wrench.
3. While holding the front wheel firmly, rotate the handlebars to the desired position.
4. Retighten the bolts with your wrench.
5. Test that the handlebars are secure enough.

4. Installing the Pedals



Note: The two pedals (D) **ARE** different and should **NOT** be mixed up. The right pedal is marked with an **R** and the left with an **L**.

1. Attach the pedals to the crank arms on the appropriate side, screwing them into place.
2. Tighten their locking nuts with your 15mm wrench.

5. Installing the Seat



1. Loosen the clamp underneath the seat (E) by rotating its lever.
2. Insert the seat post into the tube until your preferred height is reached.
3. Retighten the clamp using its lever.
4. Check that the seat is secure. If needed, loosen the clamp, tighten its adjustment nut on the other side, and retighten the clamp.

6. Installing the Front Light

1. Remove the nut and bolt from the top of the front fork.
2. Fit the connecting plate of the front light (F) onto the top of the fork, aligning their holes.
3. Replace the bolt and nut, tightening them with the 5mm hex wrench and the 10mm opening of the wrench (L) respectively.

7. Inflating the Tires

1. Remove the valve cap on a wheel.
2. Connect the valve to an appropriate pump.
3. Inflate the tire until it feels firm. For best results, stop inflation when the pressure reaches 50 psi (3.4 bars).
4. Disconnect your pump from the wheel, replacing the valve cap immediately.
5. Inflate the other tire following the same steps.


8. Installing the Battery



1. Insert the attached key beside the battery (G) into the keyhole on the battery.
2. Turn the key counterclockwise to unlock the battery.
3. Fit the battery onto its mount on the down tube, pressing until it clicks into place.
4. Turn the key completely clockwise to lock the battery in place.
5. To activate or deactivate the LCD display panel and the motor, flip the battery's power switch to **I** or **O**.


Operation

Riding with Throttle Control

1. Hold  until the display panel turns on.
2. Push the throttle lever to activate the motorized wheel.
3. To speed up, push the throttle lever further. The bicycle will not exceed the maximum speed limit you have set on flat pavement but may do so on slopes.

To slow down, ease the throttle lever back and/or press your brake levers. Pressing either brake lever completely will cut off all power from your battery to the motorized wheel, temporarily leaving it in neutral. Release the brake to restore power at its previous level.

To toggle to pedal assist control during a ride, fully release the throttle lever while pedaling your bike.



4. To stop your bicycle, release the throttle lever completely and apply your brakes as needed.
5. To turn off the motorized wheel, release the throttle and brake levers while the bike is completely stopped. Hold  until the display panel turns off.

Riding with Pedal Assist Control



1. Make sure the throttle lever is fully released.
2. Turn the pedals on your bicycle once. The pedal assist system (PAS) will activate and turn the wheels using the motor's power immediately, allowing the bike to reach the maximum speed at the current level.
3. Turn off the pedal assist system by turning the throttle or pressing either brake lever. The bike will default to throttle control or neutral.

Riding with Manual Control



To ride your bike normally, it is recommended to simply leave the LCD display panel or battery turned off. You can also leave them activated while riding with manual control as follows:

1. Hold  until the display panel turns on.
2. Hold **+** and **-** simultaneously until "00" is displayed on the top right of the display.
3. Press  7 times to toggle to "07".
4. Press **+** to toggle from "0" to "1" on the bottom right of the display.
5. Make sure the throttle lever is fully released.
6. Turn the pedals on your bicycle, keeping the speed less than 3.5 mph (6 km/h). Exceeding this will toggle the bike to pedal assist control.
7. To deactivate this, repeat Steps 1–3 and press **-** to toggle from "1" to "0".

Adjusting Pedal Assist Intensity



1. Make sure the throttle lever is fully released.
2. Hold  until the display panel turns on.
3. Hold + and – simultaneously until “00” is displayed.
4. Press  3 times to toggle to “03”.
5. Press + or – to toggle between Levels 1–3 (“0”) and Levels 1–5 (“1”) for pedal assist from the motor.
6. Wait until the panel returns to its initial display.
7. Press + or – to shift up or down the pedal assist levels by “1” on the bottom left of the display. The higher the level is, the higher the assist intensity and running speed will be.

Adjusting Pedal Assist Initiation

1. Make sure the throttle lever is fully released.
2. Hold  until the display panel turns on.
3. Hold + and – simultaneously until “00” is displayed.
4. Press  11 times to toggle to “11”.
5. Press + or – to adjust the value by “1” up or down within Levels 0–5 on the bottom right of the display for pedal assist initiation. The higher the level is, the sooner the bike will receive full pedal assist and reach the maximum speed at the current level when riding with pedal assist control.

Locking and Unlocking the Pedal Assist System

The pedal assist system is unlocked by default. To lock it,

1. Hold  until the display panel turns on.
2. Hold + and – simultaneously until “00” is displayed.
3. Press  8 times to toggle to “08”.
4. Press – to toggle from unlocking (“2”) to locking (“1”). (To unlock it, press + to resume “2”.)



Adjusting Gear Shift Assist

To receive further assistance from the sprockets to your pedaling:

1. Turn the gear shifters’ knobs on the handlebars to toggle among the gears on the bike during a ride. Turning further will ease your pedaling while helping to speed up the bike.
2. For the 3 gears of the front sprocket, use the gear shifter on the left handlebar.
For the 7 gears of the rear sprocket, use the gear shifter on the right handlebar


Setting the Maximum Speed Limit

When the actual speed surpasses the maximum speed limit, the bicycle will cut off its power automatically and become in neutral. For this, the system applies 20 mph (32 km/h) by default. To see or adjust the value:

1. Hold  until the display panel turns on.
2. Hold **+** and **-** simultaneously until “00” is displayed.
3. Press  6 times to toggle to “06”. “32” will be shown on the bottom right of the display, which refers to 32 km/h as the current maximum speed limit.
4. Press **+** or **-** to adjust the value by 1 km/h (“1”) up or down within 0–100. 0–25 refer to 15.5 mph (25 km/h). 26–31 refer to 16–19 mph (26–31 km/h). 32–100 refer to 20 mph (32 km/h).



Adjusting the Display Panel

Adjusting the LCD Display Brightness

1. Hold  until the display panel turns on.
2. Hold **+** and **-** simultaneously until “00” is displayed.
3. Press **+** or **-** to adjust the display brightness, toggling from low (“1”) to medium (“2”) to high (“3”).




Adjusting Unit Displays

All measurements on the display are given in imperial by default, except the maximum speed limit (“06”), which is in metric all the time. To change this:

1. Hold  until the display panel turns on.
2. Hold **+** and **-** simultaneously until “00” is displayed.
3. Press  once to toggle to “01”.
4. Press **+** or **-** to toggle between metric (“km”) and U.S. customary units (“mile”).

Timed Shutoff

The default setting for the display panel and the bicycle is to remain in standby indefinitely once parked. To activate an automatic timed shutoff:

1. Hold  until the display panel turns on.
2. Hold **+** and **-** simultaneously until “00” is displayed.
3. Press  9 times to toggle to “09”.
4. Press **+** or **-** to toggle among 5, 10, and 15 minutes as the length of the system’s standby mode. Once activated, parking the bicycle will start a countdown after which the system will automatically shut off completely.
5. Restart the panel and the bicycle as normal, holding  until the panel activates.

Resetting the Odometer

1. Hold **⏻** until the display panel turns on.
2. Hold **+** and **-** simultaneously until “00” is displayed.
3. Press **⏻** 10 times to toggle to “10”.
4. Hold **+** until the number beside “ODO” resets to “0”.

Maintenance

Charging the Battery

You can see the remaining power on the battery’s LED power display and the top left of the LCD display panel. When recharging is necessary:

1. Unlock the battery by inserting the key and turning counterclockwise.
2. Remove the battery from the bicycle.
3. Connect the charger (H) to a stable compatible power source.
4. Connect the battery to the charger using the provided power cord (I). The battery’s power indicator light should turn red and charging should begin.
5. When the light turns green, the battery has been fully charged. Disconnect the charger first from your power source and then remove the battery from the charger.

Miscellaneous

- Disconnect the power after each use and prior to any cleaning or other maintenance.
- Check the parts of the bicycle for any looseness, wear, or damage after use. Tighten, repair, or replace any problematic parts before further use.
- The exterior of the bicycle can be cleaned with a soft damp cloth. Do not use abrasive or caustic chemicals.
- Lubricate the chain and any moving part using a standard bike lubricant as needed.
- If the bicycle will not be used for an extended period of time, store in a cool dry place inaccessible to children.

Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us at help@cs-supportpro.com and we'll resolve your issue ASAP!

For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.



C B E - R 1 A B - A K

C B E - R 1 A B - A W

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