



Non-contractual visuals



BirdBike

USER MANUAL

BirdBike

A-Frame User Manual

Model: C1, C4, C5.1



Please read this manual very carefully before using the product. The manual contains important instructions for the safe use and longevity of your bike.

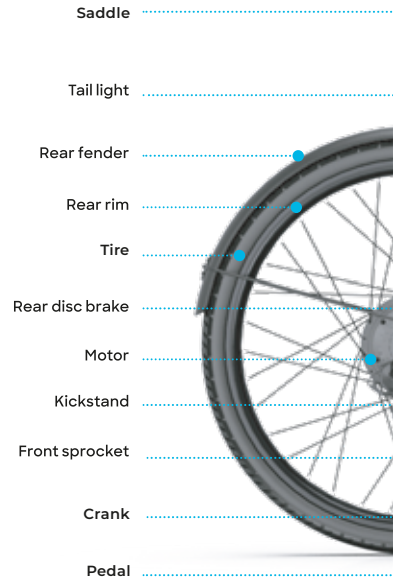
If you need any type of support or warranty information for your Bird Bike, please contact the local dealer or retailer where you purchased the product.

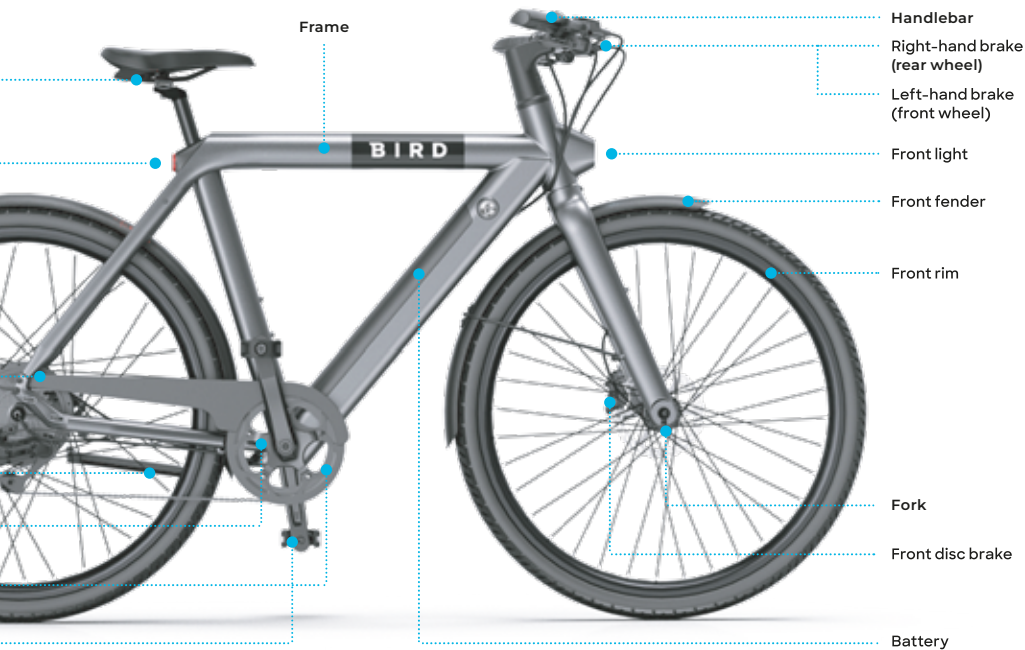
BirdBike

A-FRAME



Device overview





Charging the battery

Charger and battery overview

Charger	2A
Battery	9.6Ah
Full charge time	5 hours

1. To charge the battery while it is on the bike

- Insert the power plug into an outlet and make sure the light on the power supply is green. This means the power supply is working.
- Insert the charging plug into the battery and make sure the light on the power supply turns red. This means that the Bird Bike battery is charging.
- An icon will also appear on the dash display that the bike is charging, along with the percentage of charge (0-99).
- When the dash display shows 99, the Bird Bike is fully charged. The light on the power supply will also change from red to green.
- Once fully charged, remove the charging plug from the battery. Press the power button on the left handlebar and you're ready to ride.



2. To charge the battery while it is off the bike

Remove the battery from the Bird Bike with the keys that were included in the toolbox.

After turning the key in the lock, the battery will automatically pop out of the frame. Carefully remove the battery and press the button on the end, the battery light will illuminate:

- Flashing Red: the battery has no charge
- Solid Red: the battery has low charge
- Solid Green: the battery has partial charge
- Solid Blue: the battery is fully charged

3. Once the battery is charged

Insert the battery back into the Bird Bike by matching the pins on the bottom with the bottom of the space in the frame. If installed correctly, the battery will click and automatically lock into place. Press the power button on the left handlebar and you're ready to ride.



Charger Specifications

Manufacturer	Dongguan Angdi Technology Co., Ltd.
Model	BC266420200
Input	100-240V AC
Output	42V DC, 2.0A
Charging Temperature	0-40°C (32-104°F)
Operating Temperature	0-40°C (32-104°F)
Storage Temperature	0-40°C (32-104°F)

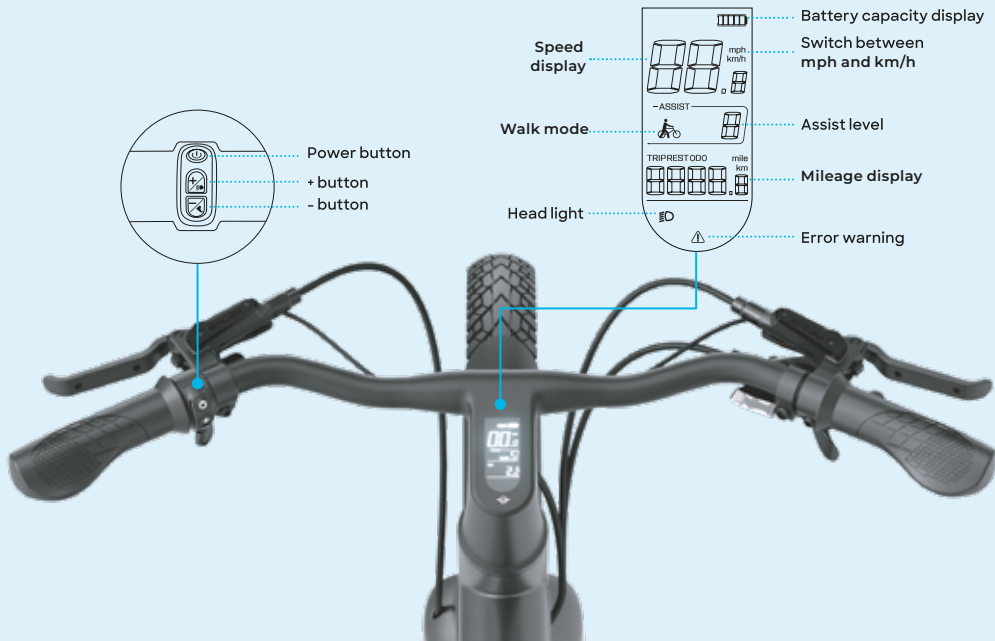
- ⚠ WARNING:** Do not install a damaged battery
- ⚠ WARNING:** Do not tamper or alter battery
- ⚠ WARNING:** Do not repair or alter the vehicle system except as indicated in this manual
- ⚠ WARNING:** Only use power supply and battery specified
- ⚠ WARNING:** Do not charge if wet
- ⚠ WARNING:** Ambient temperature must be 0-40°C (32-104°F) during charging. The battery will not charge outside of these temperature limits.

Install wheel reflectors

To install a reflector on both the front and rear wheels, place the reflector flat against the outside of one of the spokes.

Tighten the plastic screw from the inside of the spokes until the reflector is secured against the spoke.






Operating Options




POWER ON/OFF

After long pressing the  **power button**, the Bird Bike will be turned on. While the power is on, press and hold the power button again to turn off the power.

The power will automatically shut off after 5 minutes if not being used.




DISPLAY INTERFACE

After the Bird Bike is turned on, the display defaults to showing real-time speed and total distance traveled (miles or km). With a short press of the  **power button** you can toggle through the total distance (miles/km) and single trip distance (miles/km).





WALK MODE

Press and hold the  **button** for longer than 2 seconds to put your BirdBike into Walk Mode. In Walk Mode, the display will show the push symbol and you will receive power assistance while pushing the BirdBike in more difficult situations, like going uphill. When you release the Button, Walk Mode will automatically turn off.

The power-assisted Walk Mode function should only be used while pushing the electric vehicle and never used while riding.





TURN ON/OFF THE HEADLIGHTS

The headlight will automatically turn on when the Bird Bike turns on. When the headlight is on, the display brightness will also automatically dim. Ensure the headlight is on before riding in the dark or whenever natural light is insufficient (such as bad weather), or where local law requires. Press and hold the  + **key** for 2 seconds to turn on the headlight. To turn the headlight back on, press and hold the  + **key** again for 2 seconds.



ASSIST LEVEL

Short press the   + / - buttons to switch the assist level of the Bird Bike and change the output power of the motor. Level 0 is no assistance, and level 5 offers the highest amount of assist. The default level when the Bird Bike is first turned on is level 5, and each subsequent time it will default to the last assist level that was used.

Assist Level	Mode
0 - No assist	Eco
1 - 40% of max power	
2 - 52% of max power	Standard
3 - 64% of max power	
4 - 81% of max power	Sport
5 - 100% of max power	








BATTERY LEVEL


When the battery is full, the five-segment battery icon will be fully lit and the number of bars will decrease as the battery level decreases. When the battery is low and needs charging, the battery icon will flash.



SETTINGS MODE

To enter Settings Mode first power on the Bird Bike, then long press and hold   **keys +/-** at the same time. Once in Settings Mode you adjust from mph to km/h, set a speed limit, set wheel diameter, and adjust the brightness of the display.

While in **Settings Mode**, you can toggle up and down with the **up**  (+) and **down**  (-) buttons. Short press the  **power** button to adjust the item you want to change, then short press the power button after making your selection to save.

To exit Settings Mode just long press the  - **button** for 2 seconds. Also, while in Settings Mode if no operation is performed for 30 seconds, then the display will return back to normal.






ERROR CODE DISPLAY




See table to the right for troubleshooting instructions for common error codes. If your error code is not shown, contact Bird Bike support or your Bird Bike retailer.

Error Code	Cause	Solution
0x13 or 0x32	Full battery charge alert	Regular function of the e-bike will not be interrupted. Discharge the battery by riding the e-bike to clear error. If error 0x13 still appears after the battery is less than 100%, contact customer support or your BirdBike retailer.
0x14 or 0x31	Low battery charge alert	Regular function of the e-bike will not be interrupted. Charge the battery to eliminate.
0x15	High vehicle temperature	Place vehicle in a cool environment. Wait until vehicle temperature is less than 45 degrees C. Error 0x15 will be cleared. <ul style="list-style-type: none">· Higher than 45 degrees C: error 0x15 triggered, but e-bike and battery function are regular.· Higher than 50 degrees C: error 0x15 triggered, electric assist will function, cannot charge battery.· Higher than 65 degrees C: error 0x15 triggered, electric assist will not function, cannot charge battery.
0x16	Low vehicle temperature	Place vehicle in a temperate environment. Wait until vehicle temperature is greater than 5 degrees C. Error 0x16 will be cleared. <ul style="list-style-type: none">· Less than 5 degrees C: error 0x16 triggered, but e-bike and battery function are regular.· Less than 0 degrees C: error 0x16 triggered, electric assist will function, cannot charge battery.· Less than -20 degrees C: error 0x16 triggered, electric assist will not function, cannot charge battery.




- **MPH & KM/H (P1)**

When P1 is displayed in the speed position while in Settings Mode, press the   +/- **buttons** to switch the display between mph or km/h. After selecting, short press the  **power** button to save.

- **SPEED LIMIT (P2)**

When P2 is displayed in the speed position while in Settings Mode and the speed limit value is displayed in the trip position, you can then adjust the speed limit with the   +/- **buttons**. The minimum is 7 mph (12km/h) and the maximum is 15,5mph (25km/h). After selecting, short press the  **power** button to save.

- **WHEEL DIAMETER (P3)**

When P3 is displayed in the speed position while in Settings Mode, the wheel diameter setting will be shown in inches and can be adjusted with the   +/- **buttons**. Be sure to know the proper sizes as selecting the wrong size can result in unexpected speeds. After selecting, press the  **power** button so save.




- **DISPLAY BRIGHTNESS (P4)**

When P4 is displayed in the speed position while in Settings Mode, the display brightness settings from 1 to 5 are displayed according to the current setting. 1 is the lowest brightness setting, and 5 is the highest (default setting is 5).






After the setting is completed, short press the  **power button** to save.


- **AUTOMATIC POWER OFF TIMER (P5)**

When P5 is displayed at the speed position while in Settings Mode, choose 0-9 by using the   **+/- buttons**, which represents the automatic shutdown time in minutes. The default setting to power off automatically after 5 minutes and setting the timer to 0 means that auto power off will be disabled. After selecting, short press the  **power button** to save.

- **RESET TRIP METER (P6)**

When P6 is displayed at the speed position while in Settings Mode, press the   **+/- buttons** to select either Y or N. After selecting Y, short press the  **power button** to reset the trip meter to 0. After resetting the trip meter, short press the power button to save the parameters.

SERVICE REMINDER:

After the Bird Bike has been ridden 300 miles (500km), there will be a **SEUE** service inspection reminder shown on the display the next time it's turned on. If the reminder isn't marked as complete, then it will be displayed every time the vehicle is turned on. **IMPORTANT: Please service the Bike at the retailer of purchase every 300 miles (500km) to extend its durability and keep you safe on the road.** The reminder can be cleared by a short press of the  power button.

Operation and Safety Instructions

- Recommended age: 16+ years old.
- It is recommended to always wear a helmet when riding.
- The right brake lever engages the rear brake and the left brake lever engages the front brake.
- Do not exceed the maximum load of 265 lbs (120.kg) and no more than one rider at a time.
- The maximum load of 265 lbs (120.kg) includes the rider, as well as any other load that is added to front or rear racks.
- The Bird Bike is suitable to fit a bicycle trailer, provided that the trailer manufacturer's guidelines such as attachment method, loading, and speed are strictly adhered to.
- If gear shifting operations do not feel smooth, wash the derailleur and lubricate all moving parts. For maximum performance we highly recommend Shimano lubricants and maintenance products. If gear shifting adjustments cannot be carried out, check that the rear fork ends are aligned. Also, check if the cable is lubricated and if the outer casing is not too long or short.
- Before each use, conduct a basic safety inspection of the Bird Bike, including:
 - (i) trueness of the wheels & condition of tires;
 - (ii) safe operation of all brakes and lights;
 - (iii) good condition of the frame;
 - (iv) sufficient battery charge power; and
 - (v) any sign of damage, unusual or excessive wear, or other open and obvious mechanical problem/maintenance needs.
- Components shall be maintained and repaired in accordance with the manufacturer's specifications and using only the manufacturer's authorised replacement parts with installation performed by dealers or other skilled persons.
- When performing adjustments and replacements of brakes, please seek professional help from a dealer or other skilled person.
- Do not modify the bike as it will void your warranty and introduce potential safety issues. Read and understand all safety warnings listed on the product label.
- Risk of injury or death from loss of control, collisions, and falls. Helmets and other protective equipment are highly recommended and may be required by law.
- Comply with local laws and regulations when riding this product. Do not ride where prohibited.
- Ensure the intended area of operation is safe. Do not ride in the snow, in the rain, or on roads which are wet, muddy, icy, or that are slippery for any reason. Do not ride over obstacles. Avoid sharp bumps, drainage grates, and sudden surface changes.
- There are increased braking distances in wet weather.
- Avoid streets and surfaces with water, sand, gravel, dirt, leaves, and other debris.
- The bike should not be used for racing, stunt riding, or other maneuvers.

READ BEFORE RIDING

- Avoid contact with moving parts. Ensure hands, feet, hair, clothing, and other body parts stay clear of moving parts like the motor or front wheel.
- ALWAYS keep both hands on the handlebar when riding.
- You should not ride the Bird Bike:
 - if under the influence of alcohol or drugs,
 - if you have a heart condition, are pregnant, have head, back, or neck ailments which limit your ability to ride safely,
 - if you have any mental or physical conditions that may make you susceptible to injury or impair your physical dexterity or mental capabilities to recognise, understand, and perform all of the safety instructions and to be able to assume the hazards inherent with the Bird Bike.
- DO NOT ride or attempt to charge a vehicle that has been submerged in water or if there is risk of water intrusion into the battery compartment, even if the vehicle is no longer wet. Contact Bird for further instructions.
- To prevent electric shock when cleaning, remove the charger plug from the outlet and wipe vehicle with a dry cloth. Only use the charging cable provided by the manufacturer.
- Only store in dry areas. Never store in wet conditions.
- Prolonged Exposure to UV Rays, Rain and the Elements May Damage the Enclosure Materials, Store Indoors When Not in Use.
- **WARNING:** As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components might react to wear or stress fatigue in

different ways. If the design life of a component has been exceeded, it may suddenly fail, possibly causing injuries to the rider. Any form of crack, scratches, or change of colouring in highly stressed areas indicate that the life of the component has been reached and it should be replaced.

- Certified and approved Child Safety Seats must be used when transporting a child passenger.
- Children should not ride on the back of the bike without an appropriate certified and fitted Child Safety Seat.
- The weight of the EPAC + Rider + Child Safety Seat + Child should not exceed the maximum load of 265 lbs (120 kg).
- The child should not exceed the manufacturer's maximum recommended weight for the Child Safety Seat.
- Front mounted child seats should be mounted to the handlebar stem not the handlebar itself. Rear mounted child seats should only mount to the provided rear dropout eyelets and the seat stay mounts.
- Use of certified and approved luggage racks is required when carrying a load.
- The weight of the EPAC + Rider + Luggage Rack + Load should not exceed the maximum load of 265 lbs (120 kg).
- Rear luggage rack carriers should only mount to the rear dropout eyelets and the seat stay mounts. The rear Luggage Rack load should not exceed a payload of 55 lbs (25kg).
- Front luggage rack carriers should only mount to the front fork eyelets. The front luggage rack should not exceed a payload of 22lbs (10kg).

Maintenance and general troubleshooting

Precautions for washing the Bird Bike:

- When washing the Bird Bike, do not directly pour water on the motor and the front and rear axles to prevent water from affecting the performance and life of the product. When washing the Bird Bike, do not use a strong steam or high-pressure water spray.
- After washing the vehicle or riding through water, pay special attention to the working conditions of the brakes. The braking capability may be reduced in these circumstances.

Storage Instructions:

- **WARNING:** Remove the battery from the Bird Bike if not being used for an extended period of time and store in a dry, ventilated space.
- **WARNING:** Be sure to charge the battery at least every 3 months. The battery risks damage if not charged for periods over 3 months.
- **WARNING:** Don't leave the charger plugged into the battery after it's charged for extended periods of time as this could result in permanent damage to the battery.

Inspection of handlebar and front & rear wheel

- Move the Bird Bike up, down, front, back, left and right to check whether the handlebars and the axle nuts of the front and rear wheels are tightened properly, whether the handlebars are tightened properly, and whether there is any abnormal rubbing or damage happening between parts.

- Push the vehicle back and forth to check whether the front and rear wheels rotate smoothly and without any abnormal noise or rubbing.
- Carefully check the entire vehicle before riding and if you find any issues, please contact a professional for repair or contact Bird support for help.

Inspection of power circuit and lighting circuit

- Turn on the power, operate the lighting switch, check whether the headlights and taillights are on, and if they are at normal levels.
- Check for any damage with the lighting system.
- Check whether the power cables on the Bird Bike are connected and are operating safely as intended as well as whether all connectors are functioning properly.

Inspection of front and rear brakes

- Adjustment of the brake lever: Pinch the front and rear brake levers, and confirm whether the brakes are working when the distance between the brake lever and the handlebar is 13mm.
- Adjustment method of the front and rear brakes: The distance between the brake and the brake lever is specified to be between 10-20mm.
- When the brake is in a tightly gripped state, the brake pad and the brake disc should be contacting evenly.

- The brake pads and brake discs should be replaced at the same time (the adjustment of the rear wheel brake is the same as that of the front wheel brake).

Battery installation status

- Confirm that the battery is in a fixed state, connected, and operating properly.

Battery Pack Maintenance

- Do not store or charge the battery at temperatures outside of the stated limits (see specifications). Do not puncture the battery. Refer to your local laws and regulations regarding battery recycling and/or disposal.
- A well maintained battery can perform well even after many miles of riding. Charge the battery after each ride to avoid draining the battery completely. When used at room temperature (22°C [70°F]) the battery range and performance is best.
- **Warning:** Do not attempt to disassemble the battery. Risk of fire. No user serviceable parts.
- **Warning:** Do not ride when the ambient temperature is outside of the operation temperature (see specifications), because low/high temperature will limit the maximum power/torque. Doing so could cause personal injury or property damage due to slips or falls.

Saddle adjustment

- To find the proper height of the bike saddle, sit on the saddle and ensure the toes of both feet are just touching the ground comfortably.
- The minimum saddle height is 89 cm for the A-Frame and 82.6 cm for the V-Frame. You can measure by using a tape measure and measuring from the ground to the top of the saddle when in its lowest position.

Damage or contamination of reflectors

- Check whether the reflectors are dirty or damaged. If they are, then clean or replace them.

The fixed state of the axle

- Please confirm that the front and rear axles of the wheels are not shaking or loose.

Inflation, wear, and damage of tires and rims

- Please confirm whether the tire inflation is appropriate. Improper inflation can cause punctures and loosening of various parts of the Bird Bike. In addition, please determine whether there is a high amount of wear or any foreign objects or nails in either of the tires. If so, do not ride before fixing the issue or repairing the tire(s).
- Make sure the rims are clean and undamaged at the tire bead and, if you have rim brakes, along the braking surface. Riding a wheel that is at the end of its usable life can result in wheel failure, which can cause you to lose control and fall.

Adjustment of pedals and other moving parts

- The pedals should rotate smoothly. If either is loose, please tighten it.

Charge and discharge port

- Please make sure that the charging and discharging ports are not damaged.
- Also make sure that no foreign objects have entered into the ports, that the ports are not deformed, and that the port covers are not damaged.

Power and Frequency Transmissions

Maximum radio-frequency power transmitted (dBm)	Frequency Band (MHz)
4.96	2400 to 2483.5

Bird Bike Distributor's Warranty

Please refer to your distributors' warranty for information on any coverage for your Bird Bike in regards to any defects or issues that are outside of normal wear and tear within the warranty period. If you need any type of support or warranty information for your Bird Bike, please contact the dealer or retailer where you purchased the product.



