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ELECTRIC BIKE

INSTRUCTION MANUAL

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E-Bike Owner's Essential Mandate

You are required to read this manual thoroughly before installing or riding your eBike. You must familiarize yourself with the operation instructions, features, power specifications, and all safety requirements of your model. To ensure a long and trouble-free service life for your eBike, you must strictly follow the maintenance guidelines detailed in this manual. Naturally, it is impossible for this manual to list every potential hazard or risk associated with its operation or servicing. Therefore, you must use good judgment in all circumstances.

Use only Original Equipment Manufacturer (OEM) or brand-certified parts, as these are specifically engineered and manufactured for your bicycle to meet the brand's quality standards.

This manual should be considered a permanent part of your bicycle and should remain with the bicycle when it is sold.

If you need any help, please do not hesitate to contact us.

Contact Information

Email: sales@pixarbikes.com

Website: pixarbikes.com



Important Safety Instructions

Please record your bicycle's serial number in the space below. The serial number is located on the head tube of your bicycle. Refer to page 08 for the serial number location.



Record Your Serial Number



Important Safety Instructions

Read the Manual Before Riding

Please read this manual before riding your new eBike and keep it for future reference. This owner's manual contains important safety, performance, and service information. Like any sport, bicycling involves risk of injury and damage. By choosing to ride a bicycle, you assume the responsibility for that risk, so you need to know and practice the rules of safe and responsible riding and proper use and maintenance. Proper use and maintenance of your bicycle reduces the risk of injury. If you have any questions or do not understand something about using or maintaining your bike, consult with your local bicycle shop or contact us for assistance.

This manual is not intended as a comprehensive use, service, repair, or maintenance guide. Please see your local bicycle shop for all service, repairs, or maintenance. Your local bicycle shop may also refer you to classes, clinics, or books on bicycle use, service, repair, and maintenance.

Your PIXAR eBike is classified as an EPAC (Electrically Power Assisted Cycle, also known as a Pedelec), and is referred to in this manual as a bicycle unless otherwise noted.

Rider's Responsibility Regarding Regulations

Like any sport, bicycling involves risk of damage, injury, and death. By choosing to ride a bike, you assume the responsibility for that risk, so you need to know and practice the rules of safe and responsible riding.

Intended Use

The intended use of your PIXAR eBike is to be ridden by one rider at an appropriate time and place for general transportation or recreational use. Any other use is prohibited and may result in SERIOUS INJURY or DEATH.

Your bicycle is NOT INTENDED for off-road or mountain bicycle use or any kind of jumping. Some of these bicycles have suspension features, but these features are designed only to add comfort, not off-road capabilities.

Riders should be proficient cyclists (ages 16+), riding on paved surfaces where the tires are always on the ground, on roadways or dedicated bicycle lanes where permitted by law (not on sidewalks or pedestrian paths). Your bicycle should not be used to tow another bicycle. For trailer towing, consult this Owner's Manual and the trailer owner's manual for towing instructions and compatibility.

Important Safety Instructions

WARNING!

- Max Gross Load: 330 lbs (150 kg)
- Rear Rack Load: 55 lbs (25 kg)
- DO NOT exceed the load capacity. Exceeding these limits can damage the bike and cause serious injury.

Helmets Always wear a properly fitted helmet that covers the forehead when riding.

General Risk

"Like any sport, bicycling involves risk of damage, injury, and death. By choosing to ride a bike, you assume the responsibility for that risk. Proper use and maintenance of your bike reduces risk of damage, injury, and death."

No Alcohol or Drugs

Biking and controlled substances do not mix. Never operate a bike while under the influence of alcohol, drugs, or any substance or condition that could impair motor functions, judgement, or the ability to safely operate a bike.

Lending Your Bike

Do not lend your eBike to anyone who does not know how to use it. Ensure they have read this manual and understand how to operate the vehicle safely.

Safety Check Before Each Ride

Safety Check Before Each Ride Always check the condition of your bike before you ride. If you are unsure of how to conduct a complete check, consult a certified, reputable bike mechanic for assistance.

Checklist:

- **Brakes:** Ensure front and rear brakes function correctly and cut off the motor when applied.
- **Tires:** Inspect tires for damage, cracks, or excessive wear. Ensure tire pressure is within the recommended PSI range (listed on the tire sidewall).
- **Battery:** Ensure the battery is fully charged, correctly installed, and securely locked to the frame.
- **Handlebar & Stem:** Ensure the handlebar and stem are properly aligned and tightened to the recommended torque.
- **Seat Post:** Check that the seat post is securely tightened and not raised beyond the "Minimum Insertion" mark.
- **Lights:** Check that the headlight and taillight are functioning properly.
- **Chain:** Check for proper chain tension and lubrication.
- **Wheels:** Ensure axle nuts or quick-release levers are tight and wheels are secured.



Safety Check Before Each Ride

Cyclists should wear reflective clothing at night, and you can attach additional flashing lights to your clothing or helmet.

- ☐ **Brakes:** Ensure front and rear brakes work and cut off the motor.
- ☐ **Tires:** Check for damage and ensure correct air pressure (PSI).
- ☐ **Battery:** Ensure battery is fully charged and locked to the frame.
- ☐ **Handlebar & Stem:** Ensure they are straight and securely tightened.
- ☐ **Seat Post:** Check height and ensure the quick-release lever is tight.
- ☐ **Chain:** Check for proper tension and lubrication.
- ☐ **Lights:** Ensure headlight and taillight are working.



Riding Conditions

Riding in Wet Conditions: Your C1 eBike is designed to withstand light rain and splashes but it is not waterproof.

- **Slow Down:** Wet roads reduce tire traction. Reduce your speed to maintain control.
- **Braking Distance:** Allow more distance for braking, as wet rims and brake pads reduce stopping power.
- **Avoid Submersion:** Do not ride through deep puddles or streams. Submerging the motor or battery can cause permanent damage.
- **No Storms:** It is advisable not to ride in heavy storms or extreme weather conditions.

Riding at Night

- **Lights:** Ensure your headlight and taillight are working and turned on before riding in low-light conditions.
- **Visibility:** Ensure you are visible to others. Wear reflective clothing and ride cautiously.
- **Speed:** Ride at a slower speed to give yourself more time to react to obstacles you might not see clearly.

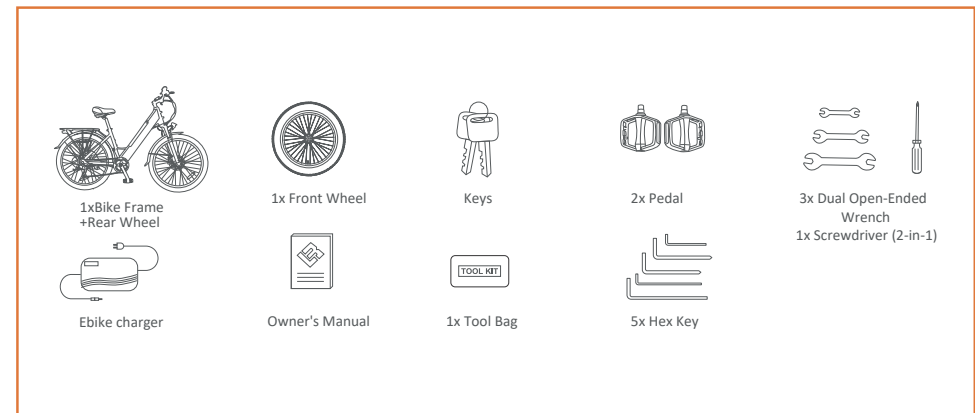


Starting Notes

- **Unboxing:** Remove all packaging before beginning assembly.
- **Check:** If anything is missing or damaged, please contact us immediately.

What's in the Box:

- 1x C1 E-Bike (Frame & Rear Wheel)
- 1x Front Wheel
- 1x Charger
- 2x Pedals (Left & Right)
- 1x Tool Kit (Hex Keys, Wrench, Screwdriver)
- 1x User Manual
- 5x Keys



Product Overview



01	Stem
02	Frame
03	Headlight
04	Front fork
05	Tire reflector
06	Disc brake pads
07	Tire air hole
08	Tyre
09	Key
10	Battery
11	Pedal
12	Kickstand
13	Seat package
14	Seat clamp
15	Rear light
16	Motor
17	Shimano transmission
18	Chain
19	Gear shifter
20	Left Display
21	Bell
22	Grip



Handlebar Installation

Assembly - Handlebar



1 Step 1: Adjust the Stem

- After taking the e-bike out of the package, the stem may be facing backwards for shipping.
- Use the appropriate hex wrench to loosen the stem side screws.
- Rotate the stem 180° so it faces forward.**
- Retighten the side screws to secure the stem.



2 Step 2: Install the Handlebar

- Remove the front faceplate of the stem by unscrewing the 4 bolts.
- Place the handlebar into the stem groove. Ensure the brake cables are not twisted.
- Put the faceplate back on and insert the 4 bolts, but do not fully tighten yet.



3 Step 3: Adjust Angle

- Adjust the handlebar so it is centered and comfortable.
- Adjust the brake levers to an angle of approximately 45° downwards for easy reach.



4 Step 4: Secure

- Tighten the 4 faceplate bolts evenly in an "X" pattern.
- Ensure the gap between the faceplate and stem is even on top and bottom.
- Torque: 6-8 Nm.



Fender & Rear Rack

Assembly – Fender & Light



1 Step 1: Front Fender & Headlight

- **Preparation:** Locate the front fender and headlight. Remove the pre-installed bolt and nut from the front fork arch.
- **Mounting:** Pass the long bolt through the headlight bracket, then through the hole in the fork arch, and finally through the fender mounting tab on the back of the fork.
- **Securing:** Install the washer and nut on the bolt at the back of the fork. Tighten securely with a wrench and hex key.



2 Step 2: Fender Stays

- Remove the small pre-installed bolts at the bottom of the front fork dropouts (legs).
- Align the fender stay arms (metal rods) with these mounting holes.
- Re-tighten the bolts to secure the sides of the fender in place.



3 Step 3: Rear Rack (If not pre-installed)

- Align the rear rack mounting holes with the mounting points on the seat stays and near the rear axle.
- Insert and tighten the bolts (usually 4 points) to secure the rack to the frame.
- **Torque:** Ensure all rack bolts are tightened to 10-12 Nm to prevent rattling.



Front Wheel Installation

Assembly – Front Wheel



1 Step 1: Preparation

- Take out the front wheel and the Quick Release (QR) skewer.
- Remove the thumb nut and one cone spring from the skewer.
- **Important:** Keep the other cone spring on the lever side.



2 Step 2: Install Skewer

- Slide the QR skewer through the hollow axle of the wheel.
- Put the removed cone spring back on.
- **CRITICAL:** Ensure the narrow end of the spring faces INWARD (towards the wheel).
- Lightly screw the thumb nut back on, but do not tighten it yet.



3 Step 3: Mount the Wheel

- Lift the front fork and align the fork dropouts with the wheel axle.
- **Brake Alignment:** Carefully ensure the brake rotor slides into the gap between the brake caliber pads.
- Lower the fork until the axle sits fully in the dropouts.



2 Step 4: Secure the Wheel

- Hold the QR lever in the "Open" position. Turn the thumb nut clockwise until you feel resistance.
- Close the Lever: Push the lever firmly to the "Closed" position (side of the fork).
- Check: The lever should be tight enough that it leaves an imprint on your hand. The wheel should not wobble.

Pedals Installation

Assembly – Pedals



1 Step 1: Identify Left and Right

- Locate the "L" and "R" stamped on the end of each pedal axle.
- R: Right Pedal (Drive side/Chain side).
- L: Left Pedal (Non-drive side).



2 Step 2: Install Right Pedal (R)

- Install the Right pedal onto the crank arm on the chain side.
- Turn the pedal axle CLOCKWISE (towards the front of the bike) by hand first.



3 Step 3: Install Left Pedal (L)

- Install the Left pedal onto the other crank arm.
- **IMPORTANT:** Turn the pedal axle COUNTER-CLOCKWISE (towards the front of the bike) to tighten.
- Note: The left pedal has reverse threads.



4 Step 4: Tighten

- Use the provided open-ended wrench to fully tighten both pedals.
- **Torque:** 35–40 Nm.
- Warning: Loose pedals can strip the crank arm threads and cause damage not covered by warranty.

Seat Post Installation

Assembly – Seat Post



1 Step 1: Insertion

- Open the quick-release lever on the seat tube.
- Insert the seat post into the seat tube.
- **WARNING:** Ensure the seat post is inserted deep enough so that the "Minimum Insertion" line marked on the post is **NOT** visible.



3 Step 3: Secure

- Tighten the adjusting nut on the side of the quick-release lever by hand.
- Close the quick-release lever firmly.
- **Test:** Try to twist the seat side-to-side. If it moves, open the lever, tighten the nut further, and close it again until the seat is rigid.



2 Step 2: Adjust Height

- Adjust the seat to your preferred riding height.
- A good rule of thumb: When seated with the pedal at the lowest point, your leg should be almost fully extended with a slight bend in the knee.

Battery & Charging

Operation - Battery

Key Positions The key lock is located on the side of the frame. It has 3 positions:

1. **ON:** Turn the key clockwise to the "ON" position to turn on the power. The key cannot be removed in this position.
2. **OFF:** Turn the key to the middle position to turn off the power. The key can be removed.
3. **UNLOCK (Remove Battery):** Push the key in and turn counter-clockwise to unlock the battery release mechanism.

You can now remove the battery from the frame.



Note: When unlocking and removing your battery pack from the frame, take care that it does not slide out. If your battery impacts the ground and is damaged, discontinue use and contact PIXAR E-bike immediately.

Charging the Battery

- **Methods:** You can charge the battery while it is mounted on the bike, or remove it to charge indoors.
- **Connection:** Plug the charger into the battery charging port first, then plug the charger into the wall outlet.
- **Indicator:**
 - **Red Light:** Charging in progress.
 - **Green Light:** Fully charged.
- **Duration:** A full charge typically takes 6-8 hours.
- **Warning:** Only use the original charger provided. Do not cover the charger while charging.

Display Controls

Display Interface

Overview The new Color LCD Display provides real-time riding data at a glance.

Screen Indicators

- **Top Bar:**
 - **Battery Level:** Shows remaining power (Green Bars). Charge immediately when the "Low Battery" icon appears.
 - **Status Icons:** Headlight (ON/OFF), Bluetooth, USB Connection, and Braking Indicator.
 - **Warning:** If the "ERROR" sign lights up, check the Error Code on the screen.
- **Center Area:**
 - **Speed:** Large digital readout of current speed (km/h).
 - **Assist Level (PAS):** The colorful circle on the right shows the current pedal assist level (0-5).
- **Bottom Area:**
 - **Trip Data:** Displays Odometer (ODO), Single Trip (TRIP), Average Speed (AVG), and Max Speed (MAX).
 - **Walk Mode:** Displays the "Walk" icon when the bike is in pedestrian pushing mode.

Control Functions

- **Power ON/OFF:** Press and hold the "M" (Power) button for 2 seconds.
- **Change Assist:** Press "+" or "-" to increase or decrease PAS levels.
- **Headlight:** Press and hold "+" to turn on the headlight and screen backlight.
- **Switch Data:** Short press "M" to toggle between ODO, TRIP, and Voltage.
- **Walk Mode:** Press and hold "-" to activate Walk Assist (6km/h).





Specifications

ITEM	SPECIFICATIONS
Model	PIXAR C1
Max Speed	25 km/h
Range	35-45KM
Max Load	330 lbs (150 kg)
Rear Rack Load	55 lbs (25 kg)
Charging Time	6-8 Hours
Motor	36V Brushless Rear Hub Motor
Battery	36V 13Ah Lithium-ion (Removable)
Charger	42V 2.0A Smart Charger
Display	LCD Display with 5 PAS levels
Lights	LED Headlight & Taillight
Frame	High Quality Steel
Tires	27.5"*1.95"
Brakes	Front & Rear Disc Brakes
Derailleur	Shimano 7-Speed
Fork	Suspension Fork



Troubleshooting

Troubleshooting

Error Codes If a fault occurs, an error code (e.g., E03) will appear on the display. Refer to the table below for definitions.

Error Code (decimal)	Status	Note
E00	Normal	
E03	Brake Engaged	
E05	Throttle Failure	
E06	Low Voltage Protection	
E07	Over Voltage Protection	
E08	Motor Hall Signal Error	
E09	Motor Phase Error	
E16	Controller Error	
E23	Front Light Error	
E27	Controller Over Current Error	
E30	Communications Error	

Quick Checks

- Bike won't turn on?
 - Ensure the battery key is turned to the "ON" position.
 - Press and hold the **"M"** button for **2** seconds.

Warranty Policy

Warranty & Support

Warranty Coverage: This warranty applies only to the original owner of the C1 eBike and is not transferable.

Component	Warranty Period
Frame	1 Year
Motor	1 Year
Battery	1 Year
Controller	1 Year
Charger	1 Year
Display	1 Year
Consumables	Not Covered (Tires, Tubes, Brake Pads, Chains)

What is NOT Covered

- Normal wear and tear.
- Damage caused by improper assembly or maintenance.
- Damage due to accidents, abuse, or neglect.
- Water damage resulting from submersion or high-pressure washing.
- Installation of incompatible parts or accessories (Modifications).

How to Claim If you experience any issues, please contact our support team. Please provide your Order Number and a detailed description (photos/videos) of the issue.

Email: sales@pixarbikes.com

Website: pixarbikes.com

Care & Maintenance

Care & Maintenance

Cleaning Your E-Bike

- **No High Pressure:** Never use a high-pressure washer or submerge the bike in water. Water can penetrate electrical components and cause failure.
- **Wiping:** Use a damp cloth with mild detergent to clean the frame and components. Dry with a clean towel.
- **Electricals:** Avoid spraying water directly onto the display, motor hub, or battery ports.

Lubrication

- **Chain:** Clean and lubricate the chain every 150–300 km with a quality bicycle chain lube. Wipe off excess oil to prevent dirt buildup.
- **Moving Parts:** Apply a small amount of lubricant to the brake lever pivots and kickstand pivot periodically.

Brake Maintenance

- **Pad Wear:** Check brake pads for wear monthly. If the pad material is worn down to less than 1mm, replace them immediately.
- **Noise:** Squeaking brakes usually indicate dirty or contaminated pads/rotors. Clean the rotors with alcohol or replace the pads.

Tire Care

- **Pressure:** Check tire pressure weekly. Riding on under-inflated tires reduces range and increases the risk of flats.
- **Wear:** Replace tires if the tread is worn out or if you see cuts/cracks in the sidewall.



Battery Care & Storage

Battery Care & Safety

Long-Term Storage (Important!) If you plan not to use the bike for more than 30 days (e.g., during winter):

- **Charge Level:** Store the battery at 40%-60% charge. DO NOT store it fully charged or fully depleted.
- **Environment:** Store the battery indoors in a cool, dry place.
Temperature range: 50°F - 77°F (10°C - 25°C).
- **Maintenance:** Check the battery status once a month.
Charge it for 1-2 hours every 2 months to keep the cells healthy.

Maximizing Range To get the most distance out of every charge:

- **Pedal Assist:** Use lower PAS levels (1-3) on flat roads.
- **Start:** Pedal to start moving before engaging the throttle.
- **Tires:** Keep tires inflated to the recommended pressure. Soft tires drain battery fast.

Safety Warnings

- **Original Charger:** ONLY use the charger provided with your C1 eBike. Using 3rd party chargers can cause fire hazards.
- **Unattended Charging:** Do not leave the battery charging overnight or unattended for long periods.
- **Damage:** If the battery case is cracked or emits a strange smell, STOP using it immediately and contact support.



Purchase Record

Purchase Record

Important: Please record your bike information immediately after unboxing. You will need this information for warranty claims or in case your bike is lost or stolen.

Owner Information

- **Name:** _____
- **Phone:** _____
- **Email:** _____

Bike Information

- **Model:** C1 E-Bike
- **Color:** _____
- **Date of Purchase:** _____
- **Dealer / Store:** _____

Serial Numbers

- **Frame Serial Number:** _____
(Usually located on the head tube or the bottom bracket)
- **Key Number:** _____
(Stamped on the key itself. Crucial for ordering replacement keys)