

PIXAR

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M 9

ELECTRIC BIKE

INSTRUCTION MANUAL

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E-Bike Owner's Essential Mandate

You are required to thoroughly review this manual before installing or commencing riding of your e-bike. You must become fully conversant with the operational protocols, functional features, power specifications, and all safety constraints of your model. To guarantee a lengthy and trouble-free service life for your E-Bike, you must strictly follow the guidelines detailed herein for scheduled maintenance and precise upkeep. Naturally, it is impossible for this manual to catalogue every conceivable hazard or unforeseen risk associated with its operation or servicing.

"Consequently, you are obligated to exercise your own astute, professional judgment in all circumstances."

For all replacement components and supplementary accessories, please utilize Original Equipment Manufacturer (OEM) or brand-certified parts exclusively, as these are engineered and manufactured specifically for your bicycle to meet the brand's stringent standards.

This manual should be considered a permanent part of your bicycle and should be included 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



Product Identification

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 location of the serial number.



Record Your Serial Number



Important Safety Instructions

Read the Manual Before Riding Please read this manual entirely before you take the first ride on your new M9 E-Bike and keep it for future reference.

Rider's Responsibility Like any sport, bicycling involves risk of injury and damage. By choosing to ride an e-bike, you assume the responsibility for that risk. You need to know and practice the rules of safe and responsible riding.

Intended Use (Updated for M9) The PIXAR M9 is designed for use on paved roads and light off-road trails (such as gravel or packed dirt). It is equipped with 20"x4.0" fat tires and dual suspension for improved traction and comfort.

- **Permitted:** Riding on paved roads, cycle lanes, and gravel paths.
- **Prohibited:** Extreme off-road riding, jumping, stunt riding, or towing loads exceeding the specified limit.
- **Warning:** Any use outside these parameters may void the warranty and result in serious injury.

Important Safety Instructions

WARNING!

- Max Gross Load: 265 lbs (120 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 M9 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.

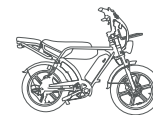


Starting Notes

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

What's in the Box:

- 1x M9 E-Bike (Frame & Rear Wheel)
- 1x Front Wheel
- 1x Charger
- 2x Pedals (Left & Right)
- 1x Tool Kit (Hex Keys, Wrench, Screwdriver)
- 1x User Manual
- 4x Keys
- 1x Front Basket
- 1x Lock
- 1x Phone Holder



1x Bike Frame + Rear Wheel



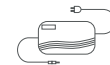
1x Front Wheel



Keys



Pedal



Ebike charger



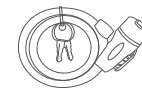
Manual



Tool Kit



Front Basket



Lock



Phone Holder

Product Overview



01 Handlebar
 02 Display
 03 Stem
 04 Headlight
 05 Suspension Fork
 06 Tire
 07 Disc Brake
 08 Fender
 09 Battery

10 Frame
 11 Saddle
 12 Rear Rack
 13 Taillight
 14 Motor
 15 Derailleur
 16 Kickstand
 17 Pedal

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.



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.



2 Step 2: Install the Handlebar

- Remove the front faceplate of the stem by unscrewing the 4 bolts.
- Place the handlebar in to 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.



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.

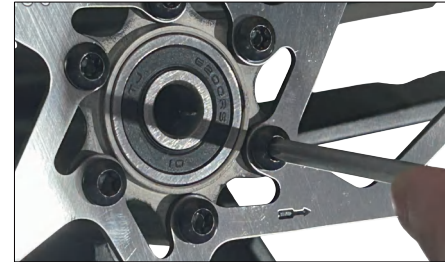


3 Step 3: Rear Rack (If not pre-installed)

- 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 & Parts Check

Locate the front wheel and the axle hardware. Unlike a quick-release system, this model uses a secure bolt-on axle. **Parts Required:**

- 1x Front Wheel (with brake rotor)
- 1x Front Axle Hub
- 2x Axle Nuts, 2x Bolts, 2x Safety Washers, 2x Flat Washers
- **Check:** Before installation, use a screwdriver/wrench to ensure the disc brake rotor bolts are tightly secured to the wheel hub

2 Step 2: Insert Axle & Align Wheel

- Insert the front axle through the center of the wheel hub. **Crucial:** Ensure the axle protrudes equally from both sides.
- Lift the front of the bike (or fork) and lower the fork dropouts onto the wheel axle.
- **Brake Alignment:** Carefully ensure the brake rotor slides smoothly into the gap between the brake caliper pads without obstruction.



3 Step 3: Install Hardware & Secure

On each side of the axle, install the hardware in the following exact order (from inside to outside):

- Bolt (Spacer)
- Flat Washer
- Safety Washer (Hook washer)
- Axle Nut



2 Step 4: Tightening

Using the provided wrench, tighten the axle nuts on both sides evenly.

- Torque: 35-40 Nm
- Ensure the wheel spins freely and does 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).



3 Step 3: Install Left Pedal (L)

- Install the Left pedal on to 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.



2 Step 2: Install Right Pedal (R)

- Align it with the right crank arm. Turn the pedal axle CLOCKWISE (towards the front of the bike) by hand first to ensure threads are aligned, then tighten firmly with the provided wrench.



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.



Final Safety Check & First Ride

Crucial: Perform this check before your very first ride!

1. Mechanical Safety Check

- **Brakes:** Squeeze the front and rear brake levers. Ensure the motor cuts off immediately when brakes are applied.
- **Wheels & Tires:** Confirm the front axle nuts are tightened to 35-40 Nm. Check that tire pressure is within the PSI range listed on the sidewall.
- **Handlebars:** Ensure the stem bolts and faceplate are secure (6-8 Nm) and the handlebar does not rotate when pressure is applied.
- **Pedals:** Re-check that both pedals are fully tightened (35-40 Nm) to prevent thread damage.

2. Battery & Power Check

- **Lock Status:** Ensure the battery is fully seated and the key is turned to the "ON" or "OFF" position before riding.
- **Charging Port:** Confirm the rubber charging port cover is closed to prevent moisture or debris from entering.
- **Display:** Press and hold the "M" button for 2 seconds to ensure the LCD screen powers on correctly.

3. Riding for the First Time

- **Start in Low PAS:** Set your Pedal Assist Level to 1 using the "+" button. Do not start in high levels until you are comfortable with the motor's acceleration.
- **Helmet:** Always wear a properly fitted helmet.
- **Environment:** Choose an open area away from traffic, pedestrians, or obstacles for your first test ride.



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.



LCD Display Controls

Overview The M9 features the EB300 High-Definition Color LCD Display. It offers real-time riding data, smart connectivity, and emergency charging capabilities.

Key Operations

- **Power ON/OFF:** Press and hold the "M" button for 2 seconds to power on/off.
- **Assist Level (PAS):** Press "+" or "-" to switch between levels 0-5.
- **Headlight:** Press and hold "+" for 2 seconds to toggle the headlight and screen backlight.
- **Walk Mode:** Press and hold "-" to activate Walk Assist (6km/h).
- **Switch Data:** Short press "M" to toggle between Odometer (ODO), Trip distance (TRIP), and Voltage.



Display Indicators

- **Dynamic Power Ring:** The colorful ring on the right shows real-time motor output.
- **Speedometer:** Large digital readout for current speed.
- **Status Icons:** Displays Bluetooth, Headlight, Brake, and Error indicators.





Smart Features & Charging

Smart Features

- **NFC Unlocking:** Tap your NFC card on the sensor area of the display to unlock the system instantly.
- **Type-C Charging:** A Type-C port is located at the bottom of the display to provide emergency power for your mobile devices.



NFC Unlocking



Type-C Charging



Remote Key System

Button Identification

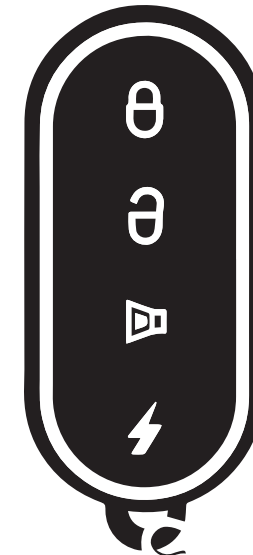
- **Unlock Button:** Locate the button at the bottom of the remote, typically marked with an "Open Padlock" icon.
- **Lock/Alarm Button:** Usually located at the top, used to arm the anti-theft system.

System Activation Steps

- **Unlock/Disarm:** A single short press will disarm the alarm and unlock the vehicle's electronic system.
- **Full Activation (Long Press):** To complete specific settings or deep activation, you must Long Press and hold the Unlock button.

Feedback & Confirmation

- **Audio Prompt:** While holding the button, the vehicle will emit a "Beep" or a continuous prompt tone.
- **Success Indicator:** Once the tone is heard, the setting is complete.





Specifications

ITEM	SPECIFICATIONS
Model	PIXAR M9
Max Speed	25 km/h
Range	110-180KM
Max Load	265 lbs (120 kg)
Rear Rack Load	55 lbs (25 kg)
Charging Time	7.5 Hours (x2)
Motor	48V High Speed Brushless
Battery	48V 35Ah (17.5Ah+17.5Ah) EVE
Charger	54.6V 2A
Display	Multifunctional LCD (NFC/Type-C)
Lights	Front & Rear Lights with Signals
Frame	High Quality Steel Alloy
Tires	20" x 4.0" Kenda
Brakes	Hydraulic Disc Brakes
Derailleur	Shimano 7-Speed
Fork	Dual-Crown Suspension Fork



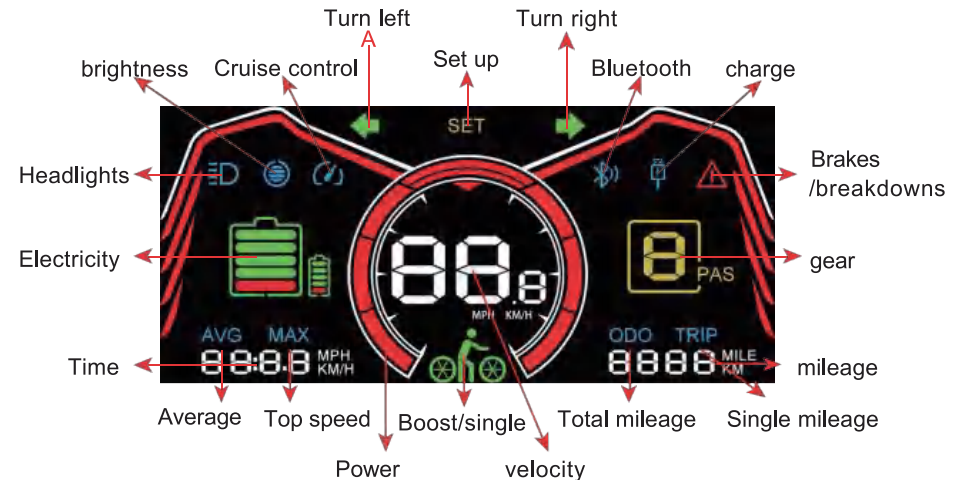
Troubleshooting

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.

Fault Code for Protocol No. 2	
Fault Code	Fault Name
E06	Under-voltage Fault
E07	Motor Fault
E08	Throttle Fault
E09	Controller Fault
E10	Communication Receiving Fault
E11	Communication Sending Fault
E12	Brake Fault
5S Protocol Fault Code	
Fault Code	Fault Name
E06	Under-voltage Fault
E30	Communication Fault
E33	Current Fault
E34	Throttle Fault
E35	Motor Fault
E36	Motor Hall Fault
E37	Brake Fault

If an error code persists, please contact sales@pixarbikes.com with your serial number and a photo of the display.



Warranty Policy

Warranty & Support

Limited Warranty Period: PIXAR provides a 2-year warranty for the frame and a 1-year limited warranty for core components (Motor, Battery, Controller, and LCD Display) against manufacturing defects.

Component	Warranty Period
Frame	2 Year
Motor	1 Year
Battery	1 Year
Controller	1 Year
Charger	1 Year
Display	1 Year
Consumables	Not Covered (Tires, Tubes, Brake Pads, Chains)

This Warranty Does Not Cover:

- Normal wear and tear of parts (Tires, Tubes, Brake Pads, Chains, etc.).
- Damage caused by unauthorized modification, accidents, or misuse.
- Water damage caused by improper storage or immersion.
- Use of the bike for commercial purposes (e.g., delivery services).

How to File a Claim: To initiate a warranty claim, please contact our support team at sales@pixarbikes.com with your Order Number, Frame Serial Number, and a brief video/photo describing the issue.

For the full, most up-to-date policy, please visit:

Email: support@pixarebike.com

Website: www.pixarebike.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

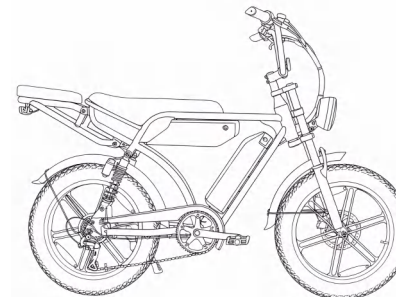
- **Chain:** Clean and lubricate the chain every 100-200 miles with a quality bicycle chain lube. Wipe off excess oil to prevent dirt buildup.
- **Moving Parts:** Apply a small amount of lubricant to the brake lever pivots and kickstand pivot periodically.

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 M9. 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:** M9 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)