

PUCKIPUPPY Boxer ST

PUCKIPUPPY Boxer ST Electric Bike Instruction Manual

Model: Boxer ST | Brand: PUCKIPUPPY

				Safety	What's in the		
Box	Setup	Operating	Battery	Maintenance	Troubleshooting	Specifications	Support

1. SAFETY INFORMATION

Always wear a helmet and appropriate safety gear when riding your PUCKIPUPPY Boxer ST Electric Bike. Familiarize yourself with local e-bike regulations and traffic laws. Perform a pre-ride safety check before each use, ensuring brakes, tires, and all components are in good working order. Do not operate the e-bike under the influence of alcohol or drugs. Ride defensively and be aware of your surroundings.

The e-bike is designed for adults. Ensure the rider meets the recommended height and weight requirements for safe operation. Avoid riding in extreme weather conditions or on excessively challenging terrain until you are fully comfortable with the bike's handling and capabilities.

2. WHAT'S IN THE BOX

Your PUCKIPUPPY Boxer ST Electric Bike package includes the following components:

- PUCKIPUPPY Boxer ST Electric Bike (partially assembled)
- 48V 20AH Removable Battery
- 54V 2A Charger
- Rear Rack
- Fenders (front and rear)
- Cell Phone Holder
- Bike Lock
- Water Cup Holder
- Bike Cover

- Bike Mirrors
- Tire Inflator
- Bell
- Horn
- Kickstand
- Reflectors
- Riding Bag
- Tool Kit
- User Manual

3. SETUP AND ASSEMBLY

Your PUCKIPUPPY Boxer ST Electric Bike arrives 85% pre-assembled. Please follow the instructions below to complete the assembly. For visual guidance, refer to the included user manual or official installation videos.

3.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Inspect for any damage during transit. Remove all protective packaging materials and zip ties, being careful not to cut any cables.



Image: PUCKIPUPPY Boxer ST Electric Bike as it appears in its packaging.

Text Description: The image shows the PUCKIPUPPY Boxer ST Electric Bike partially disassembled within its cardboard packaging, surrounded by protective foam and plastic. The main frame, wheels, and various accessories are visible, indicating the initial state upon unboxing.

3.2 Attaching the Kickstand

Locate the kickstand and the two included bolts. Attach the kickstand to the designated mounting points on the bike frame near the rear wheel. Tighten the bolts securely using the provided Allen key.

Full Suspension System

Reduces bumps by 80% when riding on rough roads

80%↑



Image: Attaching the kickstand to the e-bike frame.

Text Description: A person is shown attaching the kickstand to the lower frame of the e-bike. The kickstand is black and is being secured with two bolts. The bike's camouflage frame and fat tires are visible.

3.3 Installing the Handlebars

Loosen the two bolts on the side of the handlebar stem. Carefully position the handlebars into the stem, ensuring they are centered. Re-insert and tighten the bolts. It is recommended to use a torque wrench to tighten these bolts to 5 Nm to ensure proper and safe fastening.

Powerful Motor 960W_{Peak}



7 Speed

30°-40°

Climbing Ability

90NM

Torque

28MPH

MAX Speed

Image: Installing the handlebars onto the e-bike stem.

Text Description: A person is shown attaching the black handlebars to the bike's stem. The handlebars are being aligned and secured with an Allen key. The bike's display and control cables are visible.

3.4 Attaching the Front Wheel

Remove the protective plastic spacer from the front fork. Carefully lift the front of the bike and align the front wheel with the fork. Ensure the brake disc slides correctly between the brake pads. Insert the axle and secure it with the nuts on both sides. Tighten firmly with a wrench.



Image: Attaching the front wheel to the e-bike fork.

Text Description: A person is shown installing the front fat tire wheel onto the e-bike's front fork. The brake disc is being carefully guided into the caliper, and the axle is being secured with nuts.

3.5 Installing the Pedals

Identify the left (L) and right (R) pedals. The pedals are threaded differently. Screw the left pedal counter-clockwise into the left crank arm and the right pedal clockwise into the right crank arm. Tighten securely with a wrench.

Dual Hydraulic Disc Braks

Provide more sensitive and safer performance



Image: Installing the pedals onto the crank arms.

Text Description: A person is shown screwing a black pedal into the crank arm of the e-bike. The pedal has a textured surface for grip and a reflector on its side.

3.6 Attaching the Headlight

Mount the headlight to the front fork using the provided bolt and bracket. Adjust the angle of the headlight for optimal visibility. Connect the headlight cable to the corresponding connector on the e-bike's wiring harness, ensuring the arrows on the connectors align.

Intelligence Control System



Electric Mode



Cruise Mode



Pedal-assist Mode



Walk Mode



Image: Attaching the headlight to the front fork.

Text Description: A person is shown attaching the dual-LED headlight to the front fork of the e-bike. The headlight is black and positioned above the front fender. The camouflage pattern of the fork is visible.

3.7 Installing Fenders (Optional)

If desired, attach the front and rear fenders using the provided hardware. The fenders help protect against splashes and debris. Ensure they are securely mounted and do not interfere with wheel rotation or braking.

Customize your ride

Fit-Overall 100%



5.25 - 6.23FT
Recommended Height



Max 400 lbs
Load Capacity



84.61 lbs
Bicycle weight

Image: Installing the rear fender and cargo rack.

Text Description: The image shows the rear wheel of the e-bike with a black fender and a cargo rack installed. The fender is positioned over the fat tire, and the cargo rack is mounted above it.

3.8 Battery Installation/Removal

To install the battery, align it with the frame's battery compartment and slide it in until it clicks securely into place. Use the provided key to lock the battery. To remove, unlock the battery with the key and slide it out. The battery weighs approximately 10.27 lbs.



Video: Demonstrates the process of installing and removing the battery from the e-bike frame. The battery is shown being inserted and locked into the frame, and then removed using a key.

Text Description: This video shows a person demonstrating how to install and remove the 48V 20AH battery from the PUCKIPUPPY Boxer ST Electric Bike. The battery slides into a compartment within the frame and is secured with a key. The video highlights the ease of removal for charging or security.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off and LCD Display

To power on the e-bike, press and hold the power button on the handlebar control pad. The LCD intelligent display will illuminate, showing your speed, mileage, battery level, and current pedal-assist (PAS) level. To power off, press and hold the power button again.



Image: Close-up of the LCD display and handlebar controls.

Text Description: The image provides a close-up view of the e-bike's handlebar, featuring the LCD intelligent display in the center. The display shows digital readouts for speed, mileage, and battery status. Control buttons for power and pedal-assist levels are visible on the left grip.

4.2 Riding Modes

The PUCKIPUPPY Boxer ST offers 5 riding modes, easily switchable via the control pad:

- **Electric Mode:** Pure electric power using the thumb throttle.
- **Pedal-assist Mode:** Motor provides assistance as you pedal. There are 5 levels of pedal assist (PAS 1-5).

- **Cruise Mode:** Maintains a set speed without continuous throttle input.
- **Manual Mode:** Ride the bike like a traditional bicycle without motor assistance.
- **Walk Mode:** Provides low-speed assistance (e.g., 3-4 MPH) for walking the bike.

Intelligence Control System



Electric Mode



Cruise Mode



Pedal-assist Mode



Walk Mode



Image: Illustration of the 5 riding modes.

Text Description: This image visually represents the five riding modes of the e-bike: Electric Mode, Cruise Mode, Pedal-assist Mode, Manual Mode, and Walk Mode. Each mode is depicted with an icon and a brief description, showing how the bike adapts to different riding styles and terrains.

4.3 Gear Shifter and Throttle

The e-bike is equipped with a Shimano 7-speed transmission. Use the gear shifter on the right handlebar to change gears according to terrain and desired pedaling effort. The thumb throttle on the left handlebar provides instant electric power in Electric Mode or additional boost in Pedal-assist Mode.

Full Suspension System

Reduces bumps by 80% when riding on rough roads

80%↑



Image: Close-up of the Shimano 7-speed gear shifter and thumb throttle.

Text Description: The image shows a close-up of the right handlebar with the Shimano 7-speed gear shifter. The shifter has a clear display indicating the current gear. The ergonomic grip and brake lever are also visible.

4.4 Brakes and Suspension

The Boxer ST features dual 180mm hydraulic disc brakes (Logan) on both the front and rear wheels for reliable stopping power. The full suspension system includes a lockable and adjustable hydraulic front fork and a longitudinal rear shock. Adjust the preload on the rear shock and the preload/lockout on the front fork to suit your riding style and terrain.



Video: Highlights the full suspension system and hydraulic disc brakes of the PUCKIPUPPY Boxer ST Electric Bike. It shows the front fork and rear shock absorbing impacts, and the disc brakes in action.

Text Description: This video demonstrates the effectiveness of the e-bike's full suspension system and hydraulic disc brakes. It shows the front suspension fork and the rear shock absorbing bumps, providing a smooth ride. Close-ups of the 180mm disc brakes highlight their stopping power.

5. BATTERY USAGE AND CHARGING

The PUCKIPUPPY Boxer ST is powered by a hidden, removable 48V 20Ah (960Wh) lithium-ion battery. This high-capacity battery provides a range of up to 40-80 miles in pedal-assist mode, depending on riding conditions, terrain, and rider weight.

5.1 Charging the Battery

The included 54V 2A charger provides 6-8 hours for a full charge. You can charge the battery while it is installed on the bike or remove it for convenient off-bike charging. The charging port is located on the frame.



Video: Demonstrates the process of installing and removing the battery from the e-bike frame. The battery is shown being inserted and locked into the frame, and then removed using a key.

Text Description: This video shows a person demonstrating how to install and remove the 48V 20AH battery from the PUCKIPUPPY Boxer ST Electric Bike. The battery slides into a compartment within the frame and is secured with a key. The video highlights the ease of removal for charging or security.

5.2 Battery Safety

The battery is designed with secure cells and includes multiple protection features such as short circuit protection, overcharge protection, and temperature protection to ensure safe operation and charging.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your PUCKIPUPPY Boxer ST Electric Bike.

- **Cleaning:** Regularly clean your e-bike with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- **Tire Pressure:** Check tire pressure before each ride. The 26"x 4" fat tires require specific pressure for optimal performance and comfort. Refer to the tire sidewall for recommended pressure ranges.
- **Brake Inspection:** Periodically inspect the 180mm hydraulic disc brakes for wear and tear. Ensure brake levers are responsive and brake pads are not excessively worn. Adjust or replace as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **Suspension Checks:** Inspect the front fork and rear shock for proper function. Adjust preload as necessary for your weight and riding conditions.
- **Bolt Tightening:** Regularly check and tighten all bolts and fasteners on the bike, especially after the first few rides, to ensure all components remain secure.

7. TROUBLESHOOTING

If you encounter any issues with your PUCKIPUPPY Boxer ST Electric Bike, please refer to the following basic troubleshooting tips:

- **Bike Not Turning On:** Ensure the battery is fully charged and properly installed. Check that the battery is locked into the frame.
- **Motor Not Assisting:** Verify that the pedal-assist level is set above 0 on the LCD display. Check that the battery has sufficient charge. Ensure all electrical connections are secure.
- **Brakes Squealing/Ineffective:** Inspect brake pads for wear. Clean brake rotors if they are dirty. If issues persist, professional adjustment may be required.
- **Gear Shifting Issues:** Check for proper chain lubrication. Ensure the derailleur is correctly aligned. Minor adjustments can often resolve shifting problems.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact the PUCKIPUPPY professional support team for assistance.

8. SPECIFICATIONS

Feature	Specification
Bike Type	Electric Bike
Model Name	Boxer ST
Motor	960W Peak Brushless Rear Hub Motor (750W Continuous)
Torque	90Nm
Max Climbing Ability	Up to 40°
Battery	48V 20Ah (960Wh) Removable Lithium-ion
Charging Time	6-8 hours (with 54V 2A charger)
Max Range	40-80 miles (in pedal assist mode)
Top Speed	28MPH (pedal assist), 20MPH (pure electric throttle)
Riding Modes	Electric, Pedal-assist (5 levels), Cruise, Manual, Walk
Frame Material	Aluminum 6061 Alloy, Step-Thru
Suspension Type	Dual (Full Suspension: Longitudinal Rear, Lockable/Adjustable Hydraulic Front Fork)
Brakes	Dual 180mm Hydraulic Disc Brakes (Logan)

Tires	26" x 4" All-Terrain Fat Tires
Gears	Shimano 7-Speed Transmission (Tourney Derailleur)
Display	Upgraded LCD Intelligent Display
Max Load Capacity	400 lbs
Bicycle Weight	84.61 lbs
Recommended Height	5.25 - 6.23 FT
Included Components	Rear rack, fender, cell phone holder, bike lock, water cup holder, bike cover, bike mirrors, tire inflator, bell, horn, kickstand, pump, reflectors, riding bag, tool kit

9. WARRANTY AND SUPPORT

9.1 Limited Warranty

The PUCKIPUPPY Boxer ST Electric Bike comes with a limited warranty. Please refer to the warranty card included in your package or contact customer support for detailed terms and conditions.

9.2 Professional Support Team

If you have any questions, require technical assistance, or need to claim warranty service, our professional support team is ready to help. You can expect a response and feasible solution within 24 hours.

Contact information for support can be found in your user manual or on the official PUCKIPUPPY website.