

DYU C9

DYU C9 Folding Electric Bike User Manual

Model: C9

1. IMPORTANT SAFETY INFORMATION

Read this manual thoroughly before operating your DYU C9 electric bike. Failure to follow instructions and safety warnings can result in serious injury or damage to the bike.

- Always wear a helmet and appropriate safety gear when riding.
- Obey all local traffic laws and regulations.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and potential hazards, especially in traffic.
- Ensure both front and rear brakes are functioning correctly before each ride.
- Do not attempt to modify the bike's electrical system or motor.
- Keep the battery away from water and extreme temperatures.
- The bike is designed for adult riders between 165 cm and 190 cm tall.

2. PRODUCT OVERVIEW

The DYU C9 is a folding electric bike designed for urban commuting and leisure. It features a 250W motor, a 48V 15.6Ah removable battery, 20-inch fat tires, and a dual suspension system for a comfortable ride.



Figure 2.1: Overview of the DYU C9 Folding Electric Bike, showcasing its compact design and fat tires.

Key Components:

- **Frame:** Lightweight and sturdy aluminum alloy, foldable for easy storage.
- **Motor:** 250W high-speed electric motor.
- **Battery:** 48V 15.6Ah removable lithium battery.
- **Display:** LED display for real-time driving data.
- **Brakes:** Dual hydraulic disc brakes (front and rear).
- **Suspension:** Dual suspension system (front fork and seat post shock absorber).
- **Tires:** 20"x3.0" fat off-road tires.

- **Gears:** 7-speed shifting system.
- **Lights:** Bright front and rear LED lights.
- **Accessories:** Bell, built-in rear rack, mudguard, tool kit.

3. SETUP AND ASSEMBLY

Your DYU C9 electric bike arrives 85% assembled. The following steps detail the final assembly and initial setup.

3.1 Unboxing and Initial Inspection

1. Carefully remove the bike and all components from the packaging.
2. Inspect for any shipping damage. Contact customer support immediately if damage is found.
3. Verify all included components are present: bike, charger, tool kit, mudguard, cargo rack.

3.2 Handlebar and Stem Assembly

1. Unfold the stem and secure the quick-release lever.
2. Adjust the handlebar height and angle for comfortable riding, then tighten all bolts securely using the provided tools.

3.3 Pedal Installation

1. Identify the left (L) and right (R) pedals.
2. The right pedal (R) threads clockwise. The left pedal (L) threads counter-clockwise.
3. Apply a small amount of grease to the pedal threads and screw them into the crank arms. Tighten firmly with a wrench.

3.4 Seat Adjustment

1. Adjust the seat height to ensure your feet can comfortably touch the ground when stopped, and your legs have a slight bend at the knee when pedaling.
2. Secure the seat post quick-release lever firmly. The applicable height range for riders is 165-190cm.

3.5 Initial Battery Charge

Before your first ride, fully charge the battery. Refer to the "Battery Charging and Care" section for detailed instructions.

3.6 Pre-Ride Safety Check

- Check tire pressure (recommended 1.7-3.1 bar).
- Ensure brakes are responsive and levers are easily accessible.
- Verify all quick-release levers and bolts are securely tightened.
- Test the lights and bell.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on the bike, press and hold the power button on the LED display.
- To power off, press and hold the power button again.

4.2 LED Display Functions

The LED display provides essential riding information:

- **Speed:** Displays current riding speed.
- **Battery Level:** Indicates remaining battery charge.
- **Pedal Assist Level:** Shows the current level of motor assistance.

4.3 Pedal Assist System (PAS)

The DYU C9 offers 4 preset speeds for pedal assistance:

- **Level 0:** No motor assistance (pure pedal power).
- **Level 1 (15 km/h):** Low assistance for easy cruising.
- **Level 2 (20 km/h):** Medium assistance for balanced riding.
- **Level 3 (25 km/h):** High assistance for maximum speed and uphill climbs.

Use the '+' and '-' buttons on the display to cycle through the assistance levels.

4.4 Shifting Gears

The bike is equipped with a 7-speed shifting system. Use the gear shifter on the handlebar to change gears according to terrain and desired pedaling effort. Shift to a lower gear for uphill climbs and a higher gear for flat terrain or downhill riding.

4.5 Braking

The DYU C9 features dual hydraulic disc brakes. Apply both brake levers simultaneously for effective and controlled stopping. Practice braking in a safe area before riding in traffic.

5. BATTERY CHARGING AND CARE

Proper battery care is essential for maximizing range and lifespan.

5.1 Removing and Installing the Battery

The 48V 15.6Ah lithium battery is easily removable via a foldable saddle tube. This allows for convenient charging off the bike or secure storage.

- To remove: Unlock the battery (if applicable, check for a key lock), then slide it out from its compartment.
- To install: Align the battery with its slot and slide it in until it clicks into place. Secure any locking mechanism.

5.2 Charging Process

1. Ensure the bike is powered off before charging.
2. Connect the charger to the charging port on the battery (or bike, if charging on-bike).
3. Plug the charger into a standard wall outlet.
4. The charger's indicator light will show charging status (e.g., red for charging, green for fully charged).
5. Once fully charged, disconnect the charger from the outlet first, then from the battery/bike.

5.3 Battery Care Tips

- Avoid completely draining the battery before recharging.
- Store the battery in a cool, dry place, ideally between 10°C and 25°C (50°F and 77°F).
- If storing for extended periods, charge the battery to about 50-60% every 1-2 months.
- Use only the original charger provided with your bike.

6. FOLDING AND STORAGE

The quick-fold design of the DYU C9 allows for easy transport and compact storage.

6.1 Folding Procedure

1. Ensure the bike is powered off.
2. Lower the seat post to its lowest position.
3. Fold the handlebars down by releasing the stem's quick-release lever.
4. Locate the main frame folding latch (usually near the center of the frame). Release the safety catch and then the main latch.
5. Carefully fold the front and rear sections of the frame together until they are compact.
6. Some models may have folding pedals; fold them if applicable.

6.2 Storage and Transport

- Store the folded bike in a dry, secure location, away from direct sunlight and extreme temperatures.
- The compact size makes it ideal for storage in car trunks, RVs, or on public transport.
- When transporting, ensure the bike is secured to prevent movement and potential damage.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your DYU C9 electric bike.

7.1 Cleaning

- Clean the bike regularly with a damp cloth and mild soap. Avoid high-pressure washers, especially near electrical components.
- Dry the bike thoroughly after cleaning.

7.2 Tire Pressure

- Check tire pressure before each ride. Maintain pressure between 1.7 and 3.1 bar (25-45 PSI) for optimal performance and safety.

7.3 Brakes

- Regularly inspect brake pads for wear and replace them when necessary.
- Check brake cables (if applicable) and hydraulic lines for damage or leaks.
- Ensure brake levers have proper tension and engagement.

7.4 Chain and Drivetrain

- Keep the chain clean and lubricated to ensure smooth shifting and prevent wear.
- Inspect gears and derailleur for proper alignment and function.

7.5 Bolts and Fasteners

- Periodically check and tighten all bolts and fasteners, especially on the handlebars, seat post, wheels, and folding mechanisms.

7.6 Professional Service

For complex repairs or annual tune-ups, it is recommended to take your electric bike to a qualified bicycle mechanic.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your DYU C9 electric bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery is not charged or not properly installed.	Ensure battery is fully charged and securely seated. Check power button connection.
Motor not assisting.	Pedal assist level is 0; loose motor cable; brake lever engaged.	Increase pedal assist level on the display. Check motor cable connections. Ensure brake levers are fully released.
Battery not charging.	Charger not connected properly; faulty charger or battery.	Verify charger connections to battery and outlet. Try a different outlet. If problem persists, contact customer support.
Brakes feel weak or spongy.	Worn brake pads; air in hydraulic lines; misaligned calipers.	Inspect and replace brake pads. For hydraulic issues, seek professional service.
Unusual noises during riding.	Loose components; chain issues; suspension noise.	Check all bolts and fasteners. Clean and lubricate chain. Inspect suspension components.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact DYU customer support.

9. SPECIFICATIONS

Detailed technical specifications for the DYU C9 Folding Electric Bike.

Feature	Specification
Bike Type	Electric Bike
Model Name	C9
Motor Power	250W
Max Speed	25 km/h
Battery	48V 15.6Ah Lithium (Removable)
Range per Charge	80 to 150 km
Wheel Size	20 inch
Tire Size	20"x3.0" Fat Tyres
Brake Type	Double Hydraulic Disc Brakes (Front and Rear)
Suspension	Dual (Front Fork and Seat Post Shock Absorber)
Number of Speeds	7
Frame Material	Aluminum Alloy
Applicable Rider Height	165-190 cm
Included Components	Cargo Rack, Mudguard, Tool Kit

10. CUSTOMER SUPPORT

For any questions regarding your DYU C9 electric bike, including assembly, operation, or troubleshooting, please contact our customer support team.

It is recommended to keep the original product packaging for a period after receiving the goods, as it may be useful for returns or service.

Our team aims to reply to inquiries within 24 hours.

Please refer to your purchase documentation for specific contact details.

Related Documents

	<p>DYU SMART ELECTRIC BIKE C6 PRO Instruction Manual</p> <p>Comprehensive instruction manual for the DYU SMART ELECTRIC BIKE C6 PRO, covering assembly, operation, maintenance, safety, and specifications. Learn how to set up, ride, and care for your e-bike.</p>
	<p>DYU Smart Electric Bike D3F Instruction Manual</p> <p>Comprehensive instruction manual for the DYU Smart Electric Bike D3F, covering product overview, specifications, maintenance, cleaning, and storage.</p>
	<p>DYU Smart Electric Bike C2 Instruction Manual - Assembly, Features, and Specifications</p> <p>Comprehensive instruction manual for the DYU Smart Electric Bike C2. Covers assembly, functions, riding modes, safety, storage, maintenance, and detailed specifications. Learn how to operate and care for your DYU C2 eBike.</p>
	<p>DYU Smart Electric Bike D3F Instruction Manual</p> <p>Comprehensive instruction manual for the DYU Smart Electric Bike D3F, covering product functions, parameters, operation, safety precautions, and maintenance.</p>