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> [DYU S2 Electric Bike User Manual](#)

DYU S2

DYU S2 Electric Bike User Manual

Model: S2 | Brand: DYU

1. INTRODUCTION

Welcome to the user manual for your new DYU S2 Electric Bike. This compact and foldable electric bicycle is designed for convenient commuting and city travel, featuring a 240W motor and a 36V 10AH Lithium-Ion battery for a travel range of 37-45 miles. Please read this manual thoroughly before your first ride to ensure safe operation and optimal performance.

2. SAFETY INFORMATION

General Safety Guidelines

- Always wear a helmet that meets safety standards.
- Obey all local traffic laws and regulations.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Do not ride in adverse weather conditions or on slippery surfaces.
- Avoid riding under the influence of alcohol or drugs.
- Ensure the folding mechanism is securely locked before riding.

Battery Safety

- Use only the original charger provided with your DYU S2 bike.
- Do not expose the battery to extreme temperatures or direct sunlight.
- Avoid puncturing, dropping, or damaging the battery.
- Charge the battery in a well-ventilated area, away from flammable materials.
- If the battery shows signs of damage or overheating, discontinue use immediately and contact support.

3. PACKAGE CONTENTS

Upon unpacking your DYU S2 Electric Bike, please ensure all the following components are present:

- DYU S2 Electric Bike (main unit)
- Battery Charger

- User Manual (this document)

4. SETUP AND ASSEMBLY

The DYU S2 Electric Bike comes largely pre-assembled. Follow these steps for quick setup:

1. **Unfolding the Bike:** Carefully unfold the main frame and handlebar stem until they click securely into place. Ensure all quick-release levers are tightened.
2. **Handlebar Adjustment:** Adjust the handlebar height to a comfortable riding position and secure it firmly.
3. **Seat Post Adjustment:** Adjust the seat height to allow for a slight bend in your knee when your foot is on the pedal at its lowest point. Secure the seat post clamp.
4. **Pedal Installation:** If not already installed, screw the pedals into the crank arms. Note that pedals are typically marked 'L' for left and 'R' for right. The left pedal often has a reverse thread.
5. **Initial Battery Charge:** Before your first ride, fully charge the battery using the provided charger. The charging port is typically located on the bike frame.
6. **Tire Inflation:** Check tire pressure and inflate to the recommended PSI (usually found on the tire sidewall).



Figure 4.1: The DYU S2 Electric Bike in its fully assembled and unfolded configuration.



Figure 4.2: The DYU S2 Electric Bike demonstrating its compact folded size for easy storage and transport.

5. OPERATING INSTRUCTIONS

Powering On/Off

- Locate the power button, usually on the handlebar display or battery. Press and hold to turn the bike on or off.

Riding Modes

The DYU S2 offers different riding modes:

- **Pedal Assist (Pedelec):** The motor provides assistance as you pedal. The level of assistance can often be adjusted via the handlebar controls.
- **Full Electric (Throttle):** Engage the throttle (typically a twist grip or thumb lever) for motor power without pedaling.
- **Manual Cycling:** Ride the bike like a traditional bicycle without any motor assistance.

Speed Control

The bike can reach speeds of up to 15.5 MPH with motor assistance. Always ride at a safe speed

appropriate for conditions.



Figure 5.1: Handlebar controls for speed and power management.

Braking System

Your DYU S2 is equipped with dual disc braking for reliable stopping power. Apply both front and rear brakes simultaneously for effective and safe deceleration.

Folding and Storage

To fold the bike for storage or transport, release the quick-release levers on the handlebar stem and main frame. Fold the pedals inward if they are foldable. Ensure the bike is securely latched in its folded position.

**INTEGRATED
BRAKE TAIL LAMP**

**Fish Fin
Family Logo**

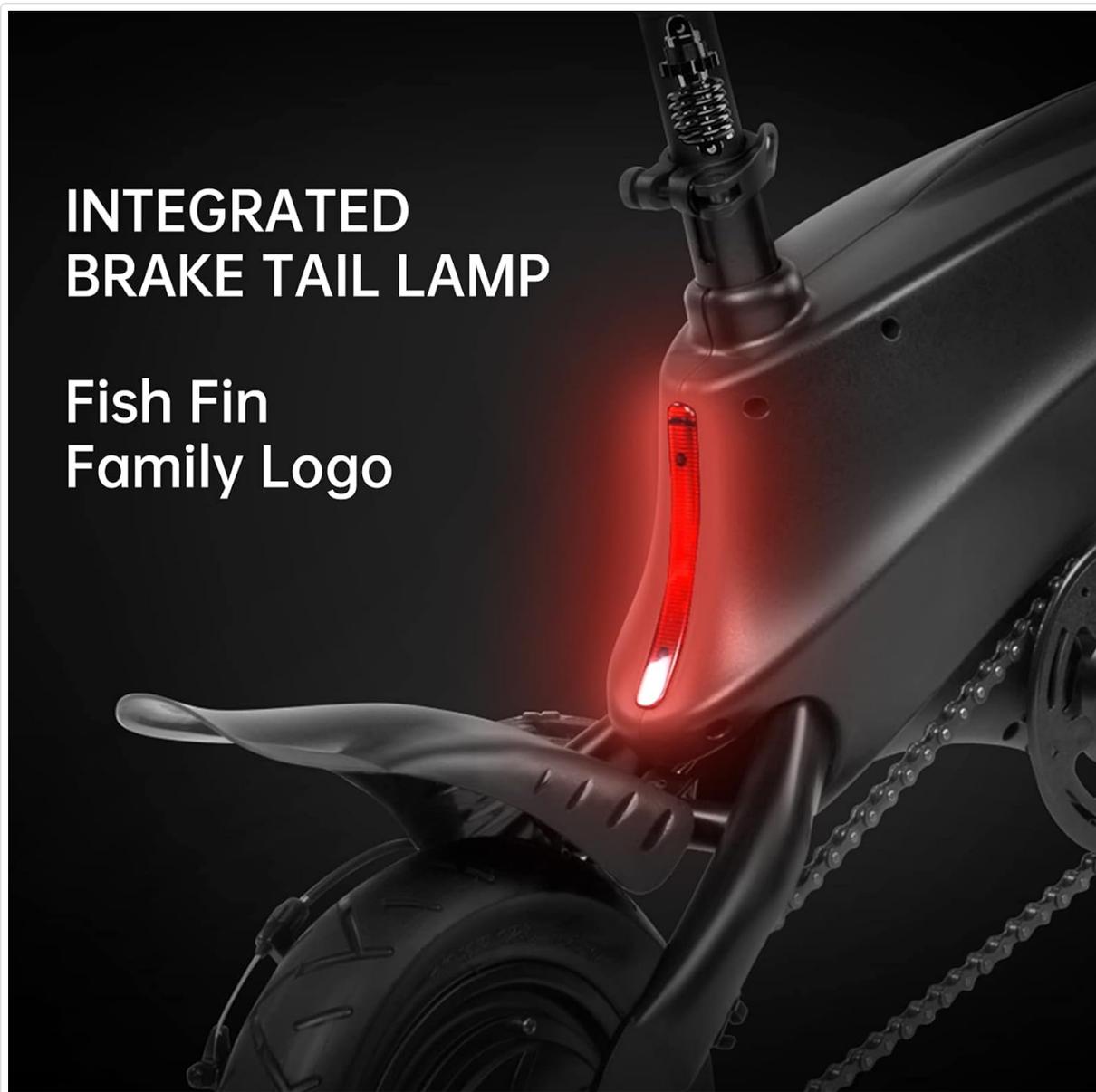


Figure 5.2: Dimensions of the DYU S2, highlighting its compact design for easy folding and portability.



Figure 5.3: The DYU S2 Electric Bike in use, demonstrating its suitability for urban environments.

6. MAINTENANCE

Regular Checks

- **Tires:** Check tire pressure weekly and inflate to recommended PSI. Inspect for wear and punctures.
- **Brakes:** Regularly check brake lever tension and pad wear. Adjust or replace as necessary.
- **Chain:** Keep the chain clean and lubricated to ensure smooth operation and prevent rust.
- **Fasteners:** Periodically check all bolts, nuts, and quick-release levers to ensure they are tight and secure.

Battery Care

- Charge the battery regularly, even if not in frequent use, to maintain its health.
- Store the bike and battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid fully discharging the battery frequently.

Cleaning

- Clean the bike with a damp cloth and mild soap. Avoid high-pressure washing, especially near electrical

components.

- Do not submerge any part of the bike in water.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Bike does not power on	Low battery; Loose battery connection; Faulty power button/controller	Charge battery fully; Check battery seating; Contact customer support.
Motor not assisting/working	Battery low; Pedal assist level too low; Brake lever engaged; Motor connection issue	Charge battery; Increase pedal assist level; Release brake levers; Check motor cable connections.
Brakes feel weak or noisy	Worn brake pads; Misaligned calipers; Air in hydraulic system (if applicable)	Inspect and replace brake pads; Adjust calipers; Consult a bike mechanic for hydraulic issues.
Reduced travel range	Under-inflated tires; Riding uphill frequently; Heavy load; Aging battery	Inflate tires to correct PSI; Optimize riding style; Battery may need replacement over time.

8. SPECIFICATIONS

Feature	Detail
Bike Type	Electric Bike
Model Name	S2
Brand	DYU
Motor Power	240W
Battery	36V 10AH Lithium-Ion Battery (360 Watt Hours)
Travel Range	37-45 Miles (approximate)
Wheel Size	10 Inches
Frame Material	Aluminum, Carbon Steel
Suspension Type	Rear, Front
Brake Style	Disc
Number of Speeds	1
Item Weight	18 Kilograms
Maximum Weight Recommendation	265 Pounds
Special Features	Portable, Lightweight, Foldable
Included Components	Electric Bike, Charger

Feature	Detail
Electric Assist Type	Pedelec



Figure 8.1: Illustration of the 240W motor and climbing capability.

9. WARRANTY AND SUPPORT

Your DYU S2 Electric Bike comes with a limited warranty. For specific details regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official DYU website.

For technical support, spare parts, or any inquiries not covered in this manual, please contact DYU customer service. You can often find contact information on the product packaging or the brand's official website: [DYU Official Store on Amazon](#).