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› Drfeify Dual Drive Brushless Motor Controller with 866LCD Display Screen User Manual

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Model: Dual Drive Brushless Motor Controller with 866LCD Display Screen

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Drfeify Dual Drive Brushless Motor Controller and 866LCD Display Screen. This system is designed to enhance the performance and functionality of electric bicycles, scooters, and ATVs by providing efficient power transfer and precise control. Please read this manual thoroughly before installation and use to ensure proper function and safety.

PRODUCT OVERVIEW

The Drfeify Dual Drive Brushless Motor Controller system is engineered for electric modification, offering robust control for 24V, 36V, and 48V electric bikes with a burst power output of 250W to 350W. It features a dual-drive capability, allowing one control system to manage two motors simultaneously for enhanced performance. The included 866LCD display provides real-time information and easy control.



Image: The Drfeify Dual Drive Brushless Motor Controller and the S866 LCD display unit. The controller is a silver rectangular unit with multiple colored wires extending from both ends. The display is a black rectangular unit with three buttons (+ Power -) and a screen.

- **Dual Drive Capability:** Connects main and auxiliary motors, enabling simultaneous control for braking, reversing, speed, and instrumentation.
- **Efficient Power Output:** Designed for 250W to 350W burst power, ensuring smooth drive, rapid acceleration, and effective braking.
- **866LCD Display:** Provides clear information on speed, distance, battery level, and other essential functions. Features a backlight for visibility in dim environments.
- **Durable Construction:** Made from premium aluminum alloy and ABS material, offering good toughness and waterproof performance for internal circuit protection.
- **Brushless Controller:** Ensures silent operation, stable speed, and sensitive control for braking and direction changes.

Safety Information

Please observe the following safety precautions to prevent injury or damage to the product:

- Always disconnect power before performing any installation, maintenance, or wiring.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not expose the controller or display to extreme temperatures or direct sunlight for prolonged periods.
- While the controller is waterproof, avoid submerging it in water.
- Consult a qualified technician if you are unsure about any installation steps.
- Wear appropriate safety gear, such as gloves and eye protection, during installation.

Package Contents

Verify that all items are present in your package:

- 1 x Electric Cycle Controller (Dual Drive Brushless Motor Controller)
- 1 x 866LCD Display Screen
- 2 x Instruction Manuals (This document and potentially a separate display manual)

SETUP AND INSTALLATION

This controller and display kit is designed for easy installation on electric bikes, scooters, and ATVs. The 866LCD screen bracket is suitable for mounting on 22.5 mm (0.9 inch) handlebars.

Controller Wiring

Refer to the provided wiring diagram (usually included in the physical manual or with the product) for specific connection details. The wire color definition interface on the controller is designed to connect directly to the accessory sockets.



Image: A close-up view of the various colored wires and connectors extending from one end of the motor controller, illustrating the wiring harness for connection to other components.

1. **Mount the Controller:** Secure the controller in a protected location on your electric vehicle, ensuring it is away from direct impact and excessive moisture.
2. **Connect Power:** Connect the main power wires from your battery to the controller. Ensure correct polarity (positive to positive, negative to negative).

3. **Connect Motors:** Connect the main and auxiliary motor wires to the designated ports on the controller.
4. **Connect Display:** Mount the 866LCD display on your 22.5 mm handlebar. Connect the display cable to the corresponding port on the controller.
5. **Connect Accessories:** Connect other accessories such as throttle, brake levers, and pedal assist sensors according to the wiring diagram.
6. **Initial Power-Up:** After all connections are made, carefully power on the system and check for proper function.

866LCD Display Mounting

The 866LCD display is designed for easy mounting on standard 22.5 mm handlebars. Use the provided bracket to securely attach the display in a position that offers clear visibility during operation.



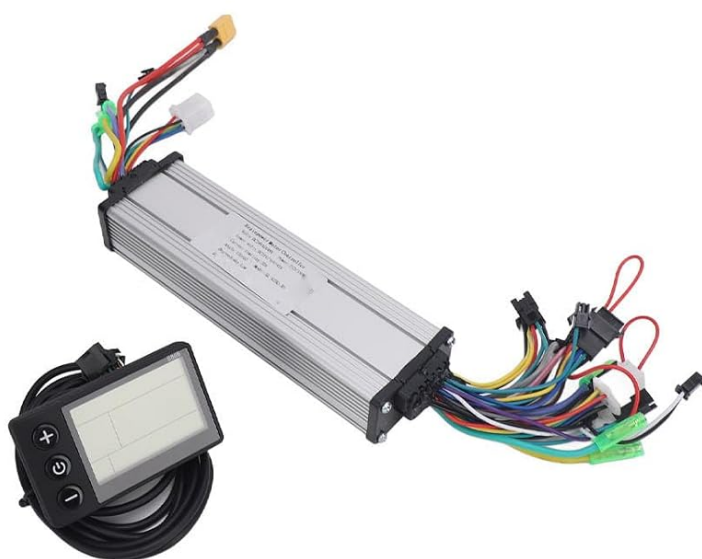
Image: A close-up of the S866 LCD display, showing the '+', power, and '-' buttons clearly. The screen is blank, indicating it is off or not powered.

OPERATING INSTRUCTIONS

The 866LCD display provides an intuitive interface for controlling and monitoring your electric vehicle.

Basic Operation

- **Power On/Off:** Press and hold the power button (middle button) on the 866LCD display to turn the system on or off.
- **Speed Adjustment:** Use the '+' and '-' buttons to adjust the assist level or speed mode, if applicable to your setup.
- **Information Display:** The LCD screen will show real-time data such as current speed, total distance traveled (odometer), trip distance, battery charge level, and error codes.
- **Backlight:** The display features a backlight function for clear visibility in low-light conditions. This typically activates automatically or can be toggled via a short press of a button (refer to the specific display manual for exact controls).



Brushless controller

Not only runs without sound, but also provides stable speed and sensitive control of braking and direction change.

LCD Display

With backlight function, it helps you see the screen clearly in dim environment.

Image: An electric bicycle with the Drfeify controller and 866LCD display installed, shown in an outdoor setting. This illustrates the product in its intended use environment.

MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your controller and display system.

- **Regular Cleaning:** Keep the controller and display clean from dust and dirt. Use a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Connection Checks:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion.
- **Water Exposure:** While the controller is designed to be waterproof, prolonged exposure to heavy rain or submersion should be avoided. If the unit gets wet, ensure it is thoroughly dried before operating.
- **Cable Integrity:** Check cables for any signs of wear, cuts, or damage. Replace damaged cables immediately to prevent electrical issues.
- **Storage:** When not in use for extended periods, store the electric vehicle and its components in a dry, temperate environment.

TROUBLESHOOTING

If you encounter issues with your Drfeify Dual Drive Brushless Motor Controller or 866LCD Display, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
System does not power on.	No power from battery, loose connection, faulty display/controller.	Check battery charge. Verify all power connections are secure. Inspect cables for damage.
Motor not responding.	Loose motor connection, faulty throttle, motor or controller issue.	Check motor phase wire connections. Ensure throttle is properly connected and functioning.
Display shows error code.	Specific system fault (e.g., motor hall sensor error, undervoltage).	Refer to the 866LCD display manual for specific error code meanings and solutions. Check relevant components.
Inconsistent speed control.	Throttle issue, loose connections, or controller malfunction.	Inspect throttle wiring. Ensure all connections are tight.

If these steps do not resolve the issue, please contact customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Brand	Drfeify
Model	Dual Drive Brushless Motor Controller with 866LCD Display Screen
Voltage Compatibility	24V, 36V, 48V
Power Output	250W - 350W (Burst)
Controller Type	Brushless Dual Drive
Display Type	866LCD Display Screen
Material	Aluminum Alloy, ABS
Handlebar Mount Diameter	22.5 mm (0.9 inch)
ASIN	B0DQVJC6QJ

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact the seller directly. Keep your proof of purchase for warranty claims.

Seller Contact: Dru-us (via Amazon.com)

Amazon Product Page: <https://www.amazon.com/dp/B0DQVJC6QJ>

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