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Dioche Dioche6rk2f9gqyg

Dioche Motor Speed Controller User Manual

Model: Dioche6rk2f9gqyg

Introduction

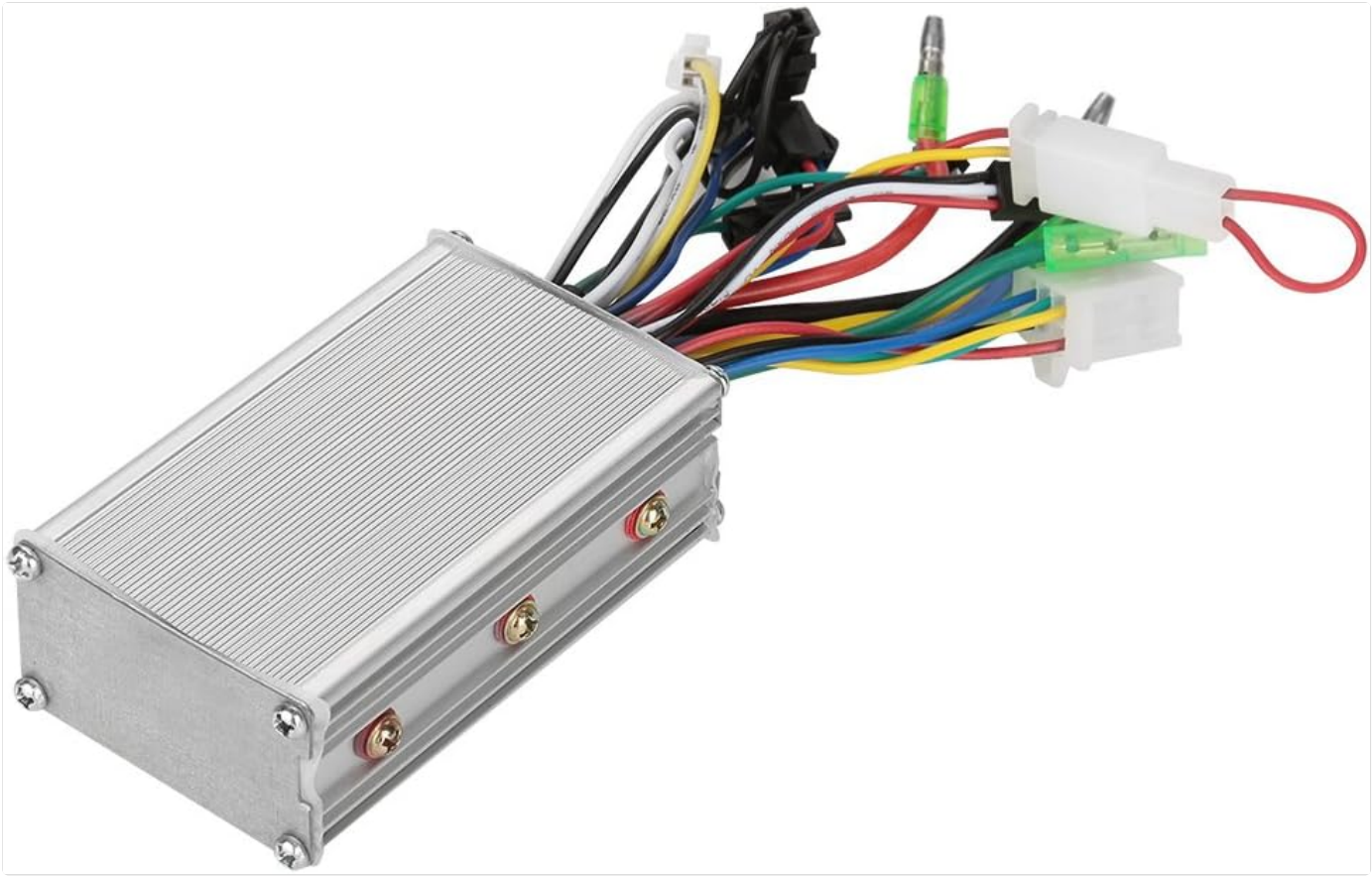
This user manual provides essential information for the safe and effective operation of your Dioche Motor Speed Controller. Designed for electric scooters and E-bikes, this controller ensures stable speed and responsive control. Please read this manual thoroughly before installation and use.

Safety Information

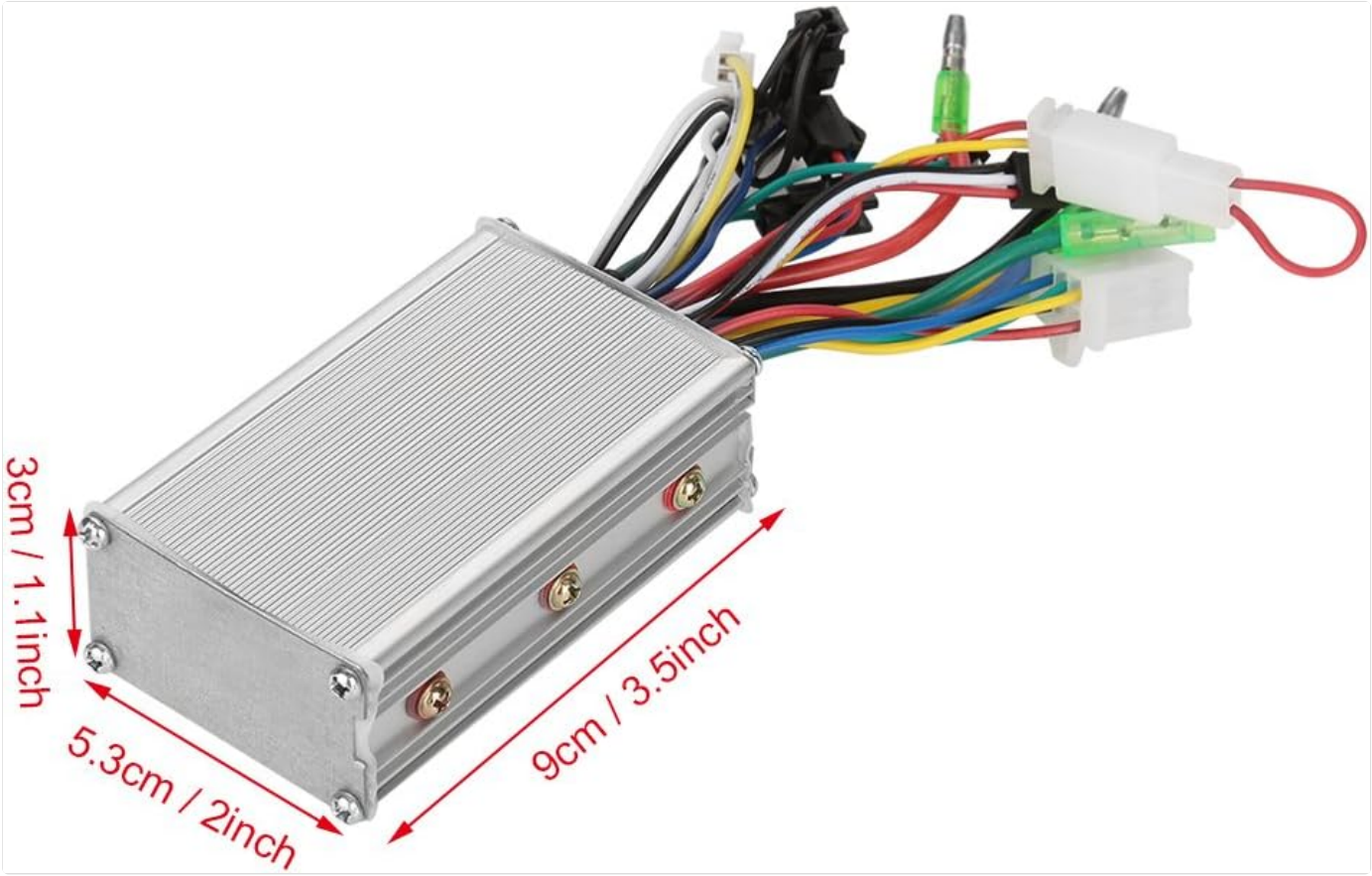
- Always disconnect power before performing any installation, maintenance, or troubleshooting.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not expose the controller to excessive moisture or extreme temperatures.
- Verify voltage compatibility (36V/48V) with your motor and battery system before connecting.
- Seek professional assistance if you are unsure about any installation or wiring procedures.

Product Overview

The Dioche Motor Speed Controller is a brushed motor controller designed for various electric vehicles, including electric bicycles, scooters, motorcycles, and mini bikes. Its robust aluminum alloy shell provides excellent heat dissipation, preventing thermal overloading and ensuring reliable performance.

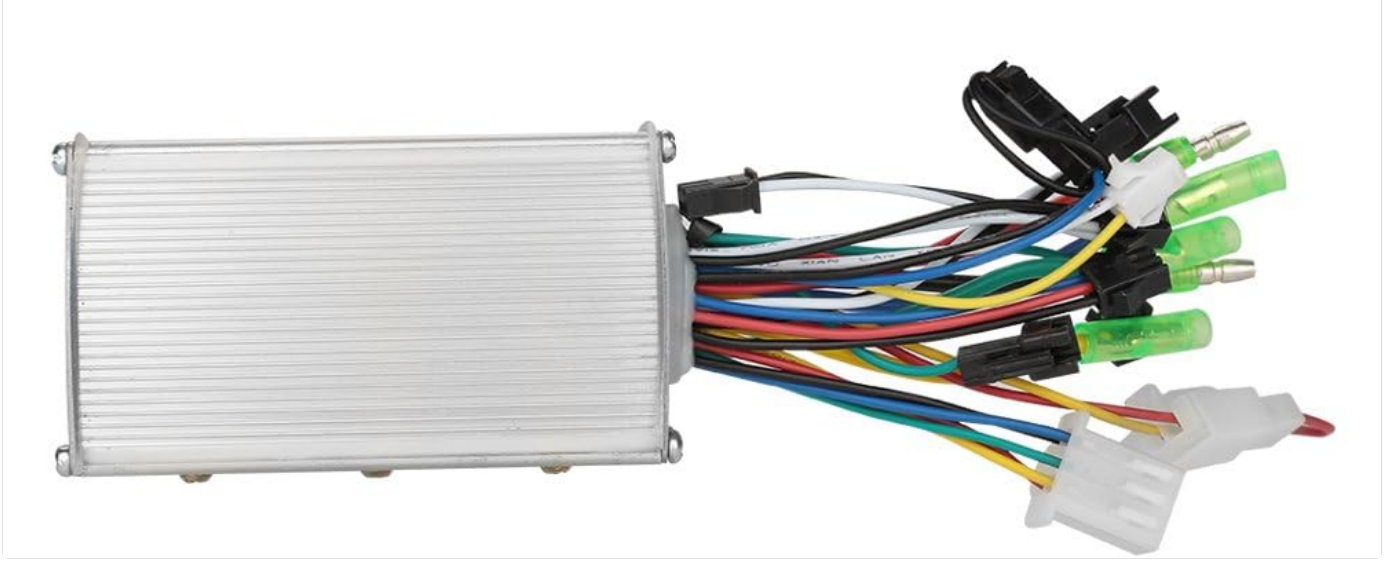


Front view of the Dioche Motor Speed Controller, showcasing its compact design and multiple wiring harnesses.



Dimensions of the Dioche Motor Speed Controller: approximately 9cm (3.5 inches) in length, 5.3cm (2 inches) in width, and 3cm (1.1 inches) in height.





The controller features an aluminum alloy shell with a groove design, which effectively protects the internal circuit and aids in heat dissipation to prevent thermal overloading.



The 36V/48V 350W brushless controller ensures smooth and silent operation, as depicted with an electric scooter in motion.

Official Product Video

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This video provides a visual overview of the Dioche Motor Speed Controller, including its unboxing and a demonstration of its various components and features.

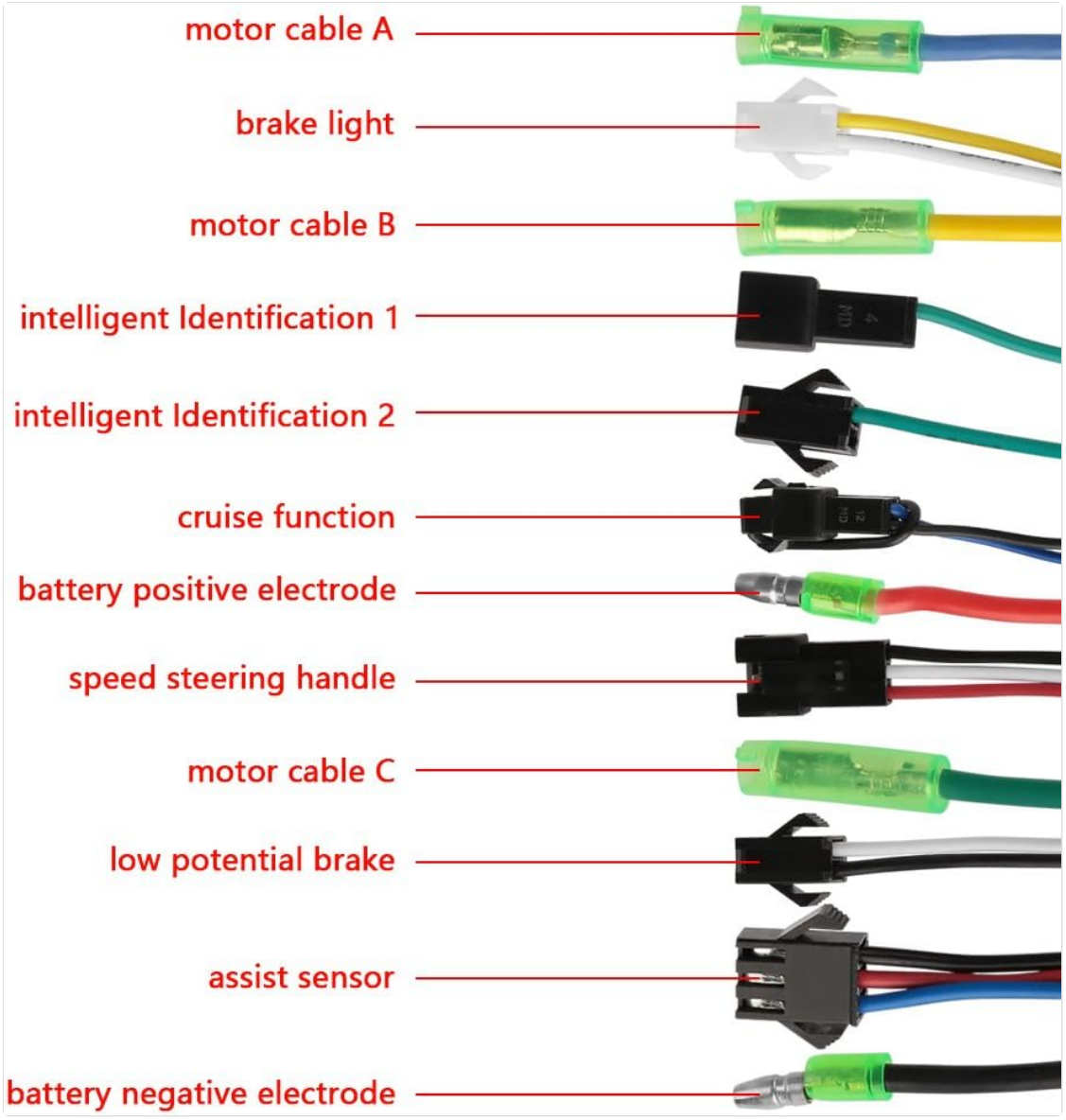
Specifications

Feature	Detail
Brand	Dioche

Feature	Detail
Model Number	Dioche6rk2f9gqyg
Bike Type Compatibility	Electric Bike, Electric Scooter, Motorcycle, Mini Bike
Voltage	36V/48V
Wattage	350W
Controller Type	Brushed Motor Controller
Shell Material	Aluminum Alloy
Item Weight	0.2 Kilograms
Power Source	Rechargeable Battery
Special Feature	Heat Dissipation, Sensitive Control, Low Malfunction

Setup and Installation

The Dioche Motor Speed Controller is designed for easy installation with clearly labeled interfaces. Follow the diagram below for proper connection.



Detailed wiring diagram for the Dioche Motor Speed Controller, showing connections for motor cables, brakes, intelligent identification, cruise function, battery, speed steering handle, and assist sensor.

Wiring Instructions:

1. **Battery Connection:** Connect the battery positive electrode (red wire) and battery negative electrode (black wire) to your power source. Ensure correct polarity.
2. **Motor Connection:** Connect the motor cables (A, B, C - typically green, yellow, blue) to the corresponding motor phases.
3. **Speed Steering Handle (Throttle):** Connect the speed steering handle wires to the designated port for throttle control.
4. **Brake Connections:** Connect the brake light and low potential brake wires as per your system's requirements.
5. **Intelligent Identification:** The intelligent identification wires (1 and 2) are crucial for initial setup. Connect them, power on, and allow the motor to run for a few seconds. If the motor runs in reverse, disconnect and reconnect them. Once the motor runs correctly, disconnect these wires.
6. **Cruise Function (if connected):** Connect the cruise function wires if your system supports this feature and you wish to use it.
7. **Assist Sensor:** Connect the assist sensor if your electric bike utilizes pedal assist.

Note: The product has no wires for display. Ensure all connections are firm and insulated.

Operating Instructions

Once properly installed, the Dioche Motor Speed Controller provides sensitive and stable control for your electric vehicle.

- **Power On:** Turn on your vehicle's main power switch. The controller will initialize.
- **Speed Control:** Use the speed steering handle (throttle) to control the motor's speed. The controller provides smooth acceleration and deceleration.
- **Braking:** The controller supports sensitive control of braking. When brakes are applied, the motor will respond accordingly to slow down or stop the vehicle.
- **Cruise Function (if connected):** If the cruise function is enabled and connected, you may activate it according to your vehicle's specific instructions to maintain a constant speed.

Maintenance

The Dioche Motor Speed Controller is designed for durability and low malfunction. Regular maintenance is minimal but recommended to ensure optimal performance and longevity.

- **Cleaning:** Periodically clean the exterior of the controller to remove dust and debris. Use a dry, soft cloth. Do not use liquid cleaners directly on the unit.
- **Connections:** Occasionally inspect all wiring connections to ensure they remain secure and free from corrosion. Loose connections can lead to intermittent operation or damage.
- **Heat Dissipation:** Ensure the controller's aluminum casing is not obstructed, allowing for proper airflow and heat dissipation. Avoid covering the unit with materials that could trap heat.
- **Environmental Protection:** While the controller is designed to be robust, avoid prolonged exposure to extreme weather conditions, especially heavy rain or direct sunlight, which can degrade components over time.

Troubleshooting

If you encounter issues with your Dioche Motor Speed Controller, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Motor does not respond or has no power.	Loose battery connection; incorrect voltage; faulty power switch; intelligent identification wires still connected after setup.	Check battery connections and ensure they are secure. Verify battery voltage matches controller's 36V/48V requirement. Test the power switch. Ensure intelligent identification wires are disconnected after initial setup.
Motor runs in reverse during initial setup.	Intelligent identification wires connected incorrectly.	Disconnect the intelligent identification wires, then reconnect them. Power on and allow the motor to run for a few seconds. Disconnect once correct direction is established.

Problem	Possible Cause	Solution
Erratic or inconsistent speed control.	Loose throttle connection; damaged throttle; interference.	Inspect the speed steering handle (throttle) wiring for secure connection. Test the throttle unit if possible. Ensure no strong electromagnetic interference sources are nearby.
Controller becomes excessively hot.	Poor ventilation; overloaded motor; internal fault.	Ensure the controller has adequate airflow and is not covered. Verify motor wattage is within the controller's 350W limit. If problem persists, discontinue use and contact support.

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

Warranty and Support

Warranty: This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary. Please retain your proof of purchase for warranty claims.
Support: For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Dioche customer support through the retailer where you purchased the product or visit the official Dioche store on Amazon: Dioche Store.

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