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› WEIYINGSI 36V 500W Motor Speed Controller Instruction Manual for Model CT04-CA

WEIYINGSI CT04-CA

WEIYINGSI 36V 500W Motor Speed Controller Instruction Manual

Model: CT04-CA

INTRODUCTION

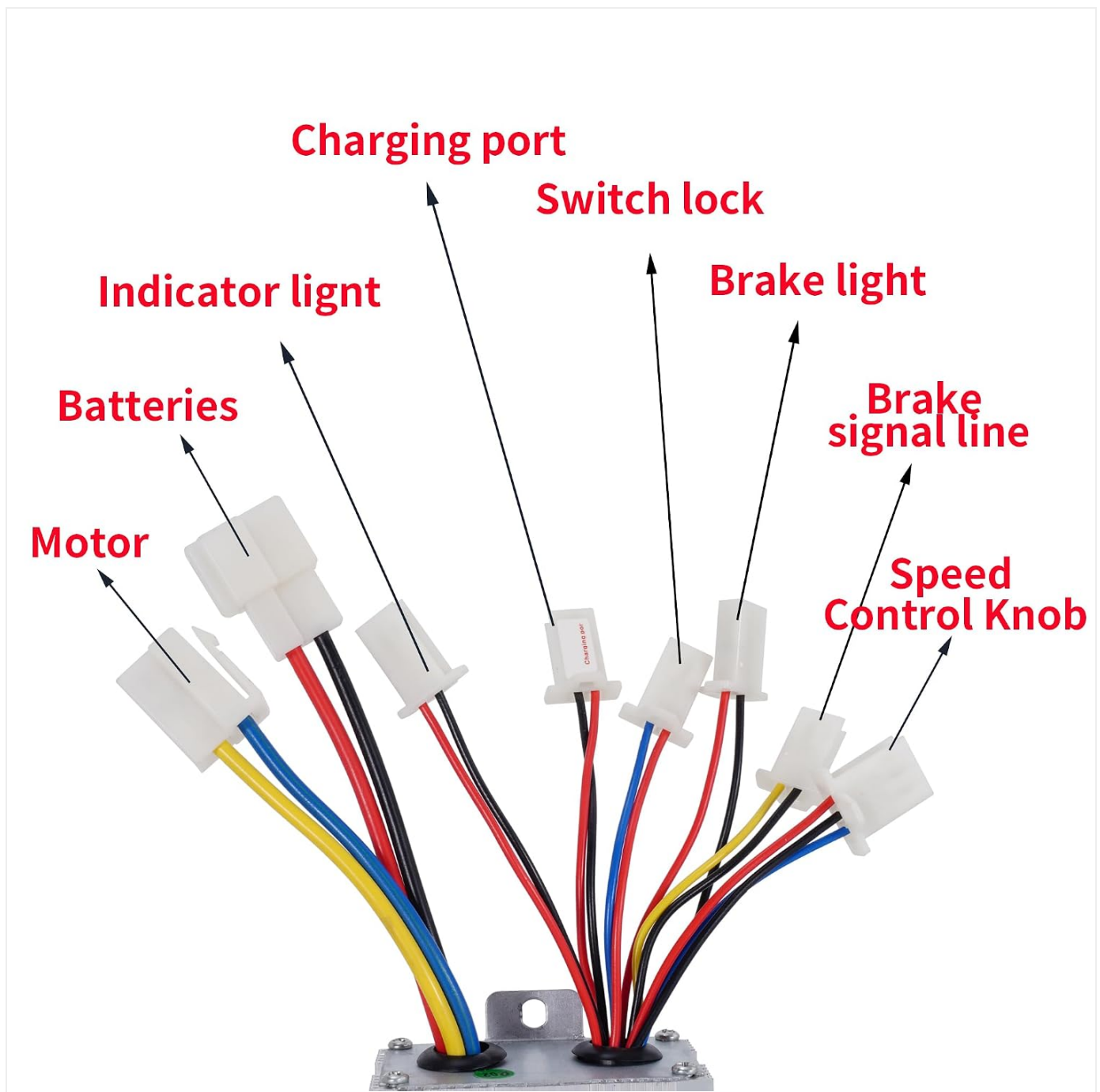
This manual provides detailed instructions for the installation, operation, and maintenance of your WEIYINGSI 36V 500W Motor Speed Controller. This controller is designed for DC brushed motors in applications such as e-bikes, e-tricycles, and e-scooters. Please read this manual thoroughly before installation and use to ensure proper function and safety.

PRODUCT OVERVIEW

The WEIYINGSI 36V 500W Motor Speed Controller features a rugged aluminum housing with integrated cooling fins for durability and heat dissipation. It includes various quick connectors for straightforward installation.



This image displays the WEIYUNSI 36V 500W Motor Speed Controller, highlighting its compact dimensions of approximately 83mm in length, 65mm in width, and 38mm in height. The aluminum housing and various wire connectors are visible.



This image provides a detailed view of the WEIYINGSI 36V 500W Motor Speed Controller, with each connector clearly labeled. Key connections include those for the motor, battery, indicator light, charging port, ignition switch, brake light, brake signal, and speed control (throttle).

SPECIFICATIONS

Work Voltage	36 Volts
Matching Motor	DC brushed motor (not for brushless motors)
Rated Motor Power	500 Watts
Under Voltage Protection	31.5V $\pm$ 0.5V
Speed Governor	1-4 V (Throttle)
Model Name	CT04-CA

Brand	WEIYINGSI
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INSTALLATION INSTRUCTIONS

Professional installation is recommended. Ensure the power is disconnected before beginning installation. This controller is designed for DC brushed motors only.

Wiring Connections

1. Connect the two thicker wires from the controller (blue and yellow) to the motor. The blue wire connects to the motor's red wire, and the yellow wire connects to the motor's black wire.
2. Connect the two thicker wires from the controller (red and black) to the battery. The red wire connects to the positive (+) terminal of the battery, and the black wire connects to the negative (-) terminal.
3. Connect the throttle connector. The throttle typically has three wires; ensure the red wire connects to red and the black wire connects to black.
4. Connect the ignition switch.
5. After all connections are secure, turn on the ignition switch. The motor should now be ready for operation.

Important Note: Carefully verify all wire connections. Incorrect wiring, especially for the power cord, can cause damage to the controller.

This video provides a visual guide to connecting the WEIYINGSI 36V 500W Motor Speed Controller. It illustrates the proper connection points for the motor, battery, throttle, and ignition switch, emphasizing correct polarity and secure connections.



This image shows the WEIYINGSI 36V 500W Motor Speed Controller with its various wires and connectors, illustrating how they are organized for connection. The robust aluminum casing is also visible.

OPERATION

Once installed and powered, the controller provides steady and sensitive control of speed. Use the connected throttle (speed governor 1-4V) to regulate motor speed.

MAINTENANCE

The controller's rugged aluminum housing with integrated cooling fins helps dissipate heat. Rubber grommets protect sensitive electronics from environmental elements. Regularly inspect all connections for tightness and signs of wear. Keep the controller clean and free from excessive dust or moisture.

TROUBLESHOOTING

- If the motor does not run after installation, first check all power and signal connections for correct polarity and secure fit.
- Ensure the battery is adequately charged and providing the correct voltage (36V).
- Verify the ignition switch is in the "ON" position.
- If issues persist, consult a professional for diagnosis. Avoid attempting repairs if you are not qualified, as this may void any warranty and cause further damage.

WHAT'S IN THE BOX

- 1 x WEIYINGSI 36V 500W Motor Speed Controller
- 1 x Lock

WARRANTY AND SUPPORT

For questions regarding adaptation, installation, quality, or any other concerns about your 36V 500W Controller, please contact WEIYINGSI customer support. Refer to your purchase documentation for specific warranty details and contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question