



manuals.plus › YouFS › YouFS YFS-Z1 Controller Kit for M365 Electric Scooter User Manual

YouFS YFS-Z1

Sign in to save this manual

Sign in to bookmark this manual and keep private notes.

YouFS YFS-Z1 Controller Kit for M365 Electric Scooter User Manual

Model: YFS-Z1

Brand: YouFS

1. INTRODUCTION

1.1 Product Overview

This manual provides detailed instructions for the installation, operation, and maintenance of your YouFS YFS-Z1 Brushless Motor Controller Kit for 8.5-inch M365 Electric Scooters. This kit is designed to replace or upgrade your scooter's control system, offering enhanced performance and control.

1.2 Compatibility and Important Notes

- The YouFS YFS-Z1 controller is specifically designed for 8.5-inch M365 Electric Scooters.
- This is a YouFS controller and operates with the YouFS mobile application. It is NOT an original Xiaomi M365 controller and is NOT compatible with the Mi Home App.
- The controller supports speed modes of 10 KM/h, 15 KM/h, and 25 KM/h.

1.3 Safety Warnings

 **WARNING:** Please be aware of potential fire risks associated with electric scooter components, especially during charging and storage. Strictly follow all instructions in this manual for proper installation, charging, and storage to prevent hazards. Always ensure all electrical connections are secure and insulated.

2. PACKAGE CONTENTS

Your YouFS YFS-Z1 Electric Scooter Controller Kit includes the following components:

- 1 x YouFS YFS-Z1 Brushless Motor Controller
- 1 x Display Unit
- 1 x Throttle Assembly
- 1 x Tail Light
- Necessary connecting cables

YouFS Controller



Figure 2.1: Overview of the YouFS Controller Kit Components. The kit includes the main controller, display, throttle, tail light, and associated wiring.

3. SPECIFICATIONS

Feature	Specification
Model No.	YFS-Z1
Material	Plastic + Metal

Feature	Specification
Voltage	36V
Undervoltage Protection	31V
Rated Power	350W
Current Limiting	15A
App Name	YouFS
Speed Modes	10 KM/h, 15 KM/h, 25 KM/h

4. SETUP AND INSTALLATION

Installation of the YouFS controller kit requires basic technical knowledge and tools. If you are unsure, please seek professional assistance.

4.1 Wiring Connections

Carefully connect each component to the controller as indicated in the diagram below. Ensure all connections are firm and correctly matched to prevent damage to the controller or scooter.



Figure 4.1: Wiring diagram for the YouFS YFS-Z1 Brushless Motor Controller. Connect the Motor 3 Phase Line, Signal Line, Battery Connector, Motor Hall, and Tail Light to their respective ports.

- **Motor 3 Phase Line:** Connect the three thick wires from the motor.
- **Signal Line:** Connect the thinner signal wires from the motor.
- **Battery Connector:** Connect to the scooter's main battery pack.
- **Motor Hall:** Connect the Hall sensor wires from the motor.
- **Tail Light:** Connect the tail light cable.

- Connect the display unit and throttle assembly to their designated ports.

4.2 App Installation

To unlock full functionality and customize settings, download the YouFS Scooter App. Scan the QR code below with your smartphone to access the app for Android or iOS devices.



Figure 4.2: QR Code for YouFS Scooter App (Android/iOS).

5. OPERATING INSTRUCTIONS

Once installed, operate your scooter using the new controller kit.

5.1 Display Unit Functions

The display unit provides essential information and allows you to select riding modes:

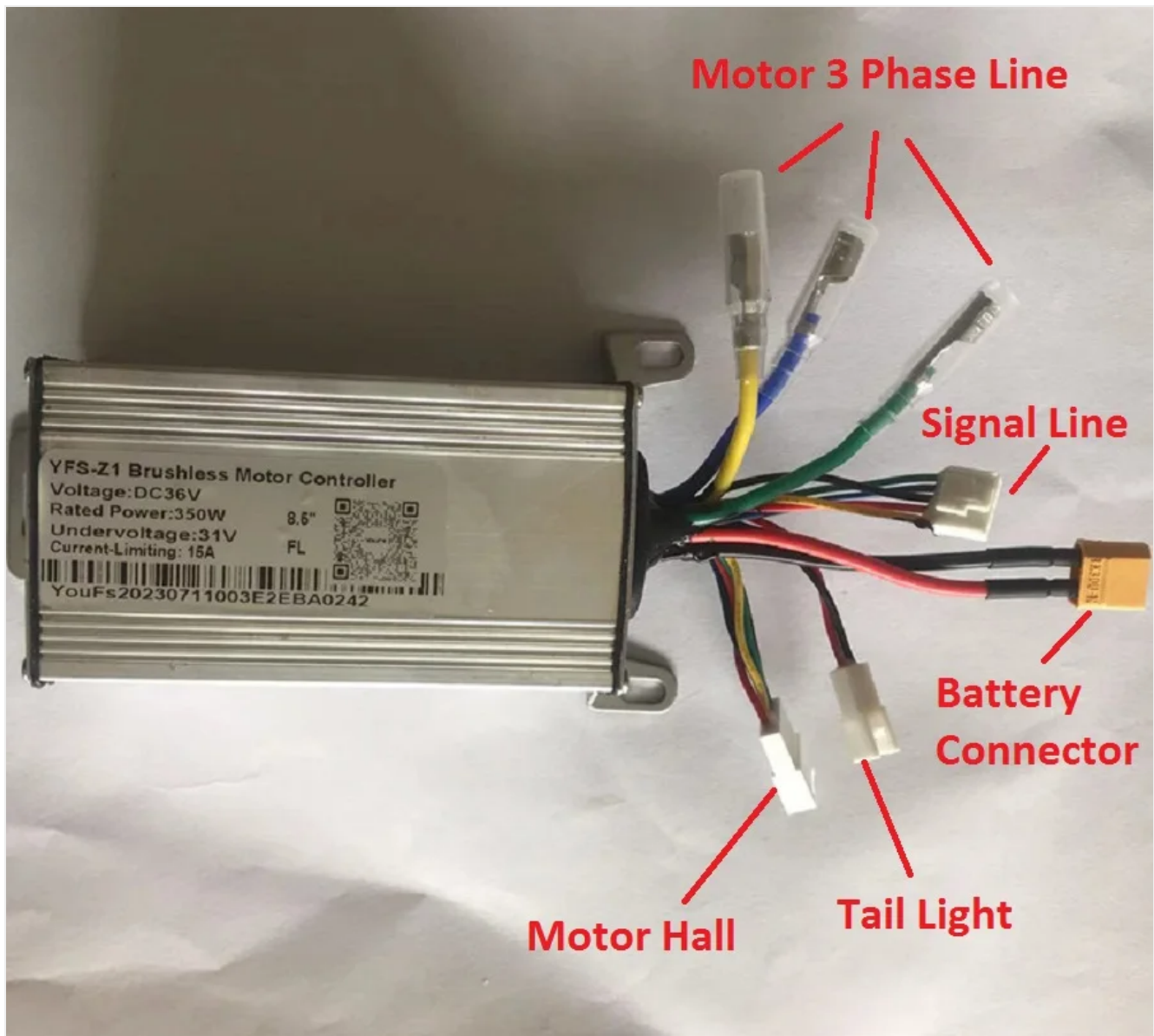


Figure 5.1: YouFS Display Unit showing speed, mode indicators, and battery level.

- **Speed Display:** Shows current speed in KM/h or MPH.
- **Mode Indicators:**

- **ECO:** Economy mode (lowest speed, maximum range).
- **D:** Drive mode (medium speed and power).
- **S:** Sport mode (highest speed and power).
- **Battery Level:** Indicates remaining battery charge.
- **Headlight Icon:** Indicates if the headlight is on/off.
- **Bluetooth Icon:** Indicates connection status with the YouFS app.

Use the buttons on the display or throttle to power on/off, switch modes, and control the headlight.

5.2 Basic Scooter Operation

- **Acceleration:** Gently press the throttle lever to accelerate.
- **Braking:** Use the brake lever to slow down or stop.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your scooter and controller kit.

- **Keep Dry:** Avoid exposing the controller and other electronic components to water or excessive moisture.
- **Check Connections:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion or damage.
- **Cleanliness:** Keep the controller and surrounding areas clean from dust and debris. Use a dry cloth for cleaning.
- **Battery Care:** Follow your scooter's battery manufacturer guidelines for charging and storage to prevent battery degradation and potential fire hazards.

7. TROUBLESHOOTING

If you encounter issues with your YouFS controller kit, refer to the following common problems and solutions:

- **Scooter Not Powering On:**
 - Check battery connection and charge level.
 - Ensure all controller connections are secure.
- **Motor Not Responding:**
 - Verify motor phase and Hall sensor connections.
 - Check throttle connection and functionality.
- **Incorrect Speed Display or Mode Issues:**
 - Ensure the display unit is correctly connected.
 - Check for any error codes on the display (if applicable).
- **App Connectivity Problems:**
 - Ensure Bluetooth is enabled on your smartphone and the scooter.
 - Restart the YouFS app and try reconnecting.

8. USER TIPS

- **Component Selection:** When purchasing replacement parts or upgrading, ensure you select the correct kit or individual components that are compatible with the YouFS system and your M365 scooter.
- **App Features:** Explore the YouFS Scooter App for additional settings and customization options for your riding experience.
- **Visual Discrepancy:** Please note that due to light reflection and different display settings, the color of the item in pictures may vary slightly from the actual product.

9. WARRANTY AND SUPPORT

For any technical support, warranty claims, or further inquiries regarding your YouFS YFS-Z1 Controller Kit, please contact the seller or manufacturer directly. Keep your purchase receipt as proof of purchase.

Related Documents - YFS-Z1

	YFS 36V 15A 350W Electric Scooter Controller - User Manual and Safety Information User manual and safety guidelines for the YFS 36V 15A 350W electric scooter controller, including installation advice and suffocation warnings.
	Electric Bicycle Controller Instruction Manual - HeWang S866 V889 Comprehensive instruction manual for the HeWang 24V/36V/48V Sine Wave Brushless Motor Controller (350W/500W, 20A) with S866 V889 LCD instrument. Includes specifications, functions, error code troubleshooting, and safety guidelines.
	SPD-3648350BLDC 36/48V Brushless DC Motor Controller: Specifications & Installation Guide Detailed specifications, wiring guide, and programming instructions for the SPD-3648350BLDC 36/48 Volt 250-350 Watt Brushless DC Motor Controller. Learn how to install and set up your motor controller for electric vehicles.
	350W-500W Sine Wave Motor Controller Instruction Manual for Electric Bicycles and Scooters This instruction manual provides essential safety information, product specifications, and usage restrictions for the 350W-500W Sine Wave Motor Controller. It details operating voltage, power, current, dimensions, and

functions, along with a comprehensive list of applicable EU regulations and harmonized standards.



14 Inch Electric Bicycle Hub Motor Specifications and User Guide

Technical specifications, installation notes, and support information for the 14-inch electric bicycle brushless hub motor (24V/36V/48V, 350W/500W).



Electric Bike Controller Instruction Manual - 350W/500W

Instruction manual for a 350W/500W electric bike and scooter brushless motor controller, including safety warnings, specifications, packing list, and applicable EU regulations. Features 24V, 36V, 48V compatibility and P3 LCD Display.

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

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

YOUFS YFS-Z1

KEEP EXPLORING MANUALS, GUIDES, AND SUPPORT DOCS.

Search model numbers, browse help resources, and jump straight into the next PDF manual or troubleshooting page without losing your place.

YouFS YFS-Z1 manuals, guides, and support docs

Search Manuals+

EXPLORE

Deep Search

Upload

Login

MANUALS+

Home

About Us

Privacy Policy

Login

GUIDES

Amazon Manuals

AliExpress Manuals

Video Guides

Login

FOLLOW

@manualsplus

YouTube

LinkedIn

Facebook

Login

Manuals+

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners.

SAVE MANUALS, NOTES, UPLOADS, AND QUESTIONS

Sign in with Google, X, or a passkey to keep private notes on saved manuals, track public uploads, and revisit questions you posted.

Open login options