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HOBBYWING EZRUN MAX10 140A Combo 3665SD-3200KV

Hobbywing EZRUN MAX10 140A Combo 3665SD-3200KV Instruction Manual

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Hobbywing EZRUN MAX10 140A Combo 3665SD-3200KV. This high-performance electronic speed controller (ESC) and motor combination is designed for various RC applications, offering advanced features like an improved waterproof sensored cable interface, upgraded sensored mode, Turbo timing adjustment, smart start-stop fan technology, and smart freewheeling technology. Please read this manual thoroughly before use to ensure safe and efficient operation.

PRODUCT OVERVIEW



Image: The Hobbywing EZRUN MAX10 140A ESC (Electronic Speed Controller) and the EZRUN 3665 SD Motor, shown as a complete combo. The ESC features a cooling fan and multiple connection ports, while the motor has three thick black wires for connection to the ESC.

WHAT'S IN THE BOX

- (1) EZRUN MAX10 140 G2 (XT60 Power Plug)
- (1) EZRUN 3665 SD Motor
- (1) User's manual
- (1) decal

SETUP

1. Motor and ESC Connection

- Connect the EZRUN MAX10 G2 ESC to the EZRUN 3665 SD G3 motor using the improved waterproof sensed cable interface. Ensure connections are secure.
- For optimal performance, ensure the motor and ESC are compatible. This combo is designed for perfect matching.

2. Pinion Gear Installation

- If replacing an existing motor, you may need to change the pinion gear to a 5mm shaft size to fit the EZRUN 3665 SD motor.

3. Battery Connection

- Connect your battery to the XT60 power plug on the EZRUN MAX10 140 G2 ESC. Ensure correct polarity.

4. OTA Bluetooth Module (Optional)

- For advanced programming and real-time data monitoring, connect the optional OTA Bluetooth module to the ESC. This allows connection to the HOBBYWING mobile app.

OPERATING INSTRUCTIONS

1. Powering On/Off

- Press the power button on the ESC to turn the system on.
- To power off, press and hold the power button until the system shuts down.

2. Turbo Timing Adjustment

- The ESC supports Turbo timing adjustment up to 32 degrees. This feature, when combined with the EzRun 3652/3665 G3 motors, can increase maximum speed by up to 25%. Adjust timing carefully according to your vehicle and track conditions.

3. Smart Start-Stop Fan Technology

- The frameless cooling fan on the ESC operates using smart start-stop technology. It will only activate when the ESC temperature reaches a certain level, reducing noise and conserving power during cooler operation.

4. Smart Freewheeling Technology

- This technology enhances the drive efficiency of the MAX10 G2, leading to lower operating temperatures. Expect temperatures to be approximately 25°C lower than previous generations.

5. Real-time Data Monitoring (with OTA Module)

- If using the OTA Bluetooth module, connect to the HOBBYWING mobile app to view real-time data such as throttle amount, voltage, current, temperature, and speed. The app also allows for data logging to review past running status.

6. Waterproof Operation

- The IP-67 waterproof system provides excellent protection against water and dust. The power system is designed to operate reliably on various surfaces including mud, sand, ice, snow, and water without damage.

MAINTENANCE

1. Overheating Protection

- The ESC features increased capacitance (74% more than the previous generation) and overheating

protection to improve power delivery and prevent component damage.

2. Post-Run Cleaning

- After operating in wet or dusty conditions, it is recommended to clean the ESC and motor to remove any debris or moisture. Use a soft brush or compressed air for dust, and a damp cloth for light cleaning. Ensure all components are dry before storage or next use.

3. Storage

- Store the combo in a dry, cool place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

- **No Power:** Check battery connections, ensure the battery is charged, and verify the ESC power switch is in the 'on' position.
- **Motor Not Responding:** Ensure all motor-to-ESC connections are secure. Check for any obstructions in the motor or drivetrain.
- **Erratic Behavior:** Verify receiver and transmitter connections. If using the OTA module, check the mobile app for diagnostic information or error codes.
- **Overheating:** While the ESC has protection, ensure proper ventilation in your vehicle. Check gearing for excessive load.
- For further assistance, refer to the official HOBBYWING website or contact their customer support.

SPECIFICATIONS

Feature	Detail
Product Dimensions	6.5 x 5 x 2 inches
Item Weight	1.24 pounds
ASIN	B0BK2CHSDL
Batteries Required	1 A batteries required (for remote, not included with combo)
Manufacturer	Hobbywing Technology
Battery Cell Composition	Other Than Listed
Battery Capacity	100 Milliamp Hours (likely for internal capacitor, not main power)
Recommended Uses	RC Car / Truck / Monster Truck / Etc.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official HOBBYWING website or contact HOBBYWING customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Official HOBBYWING Website: www.hobbywing.com

