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RADIOMASTER ER3CI-ER5CI PWM Receiver



Important:

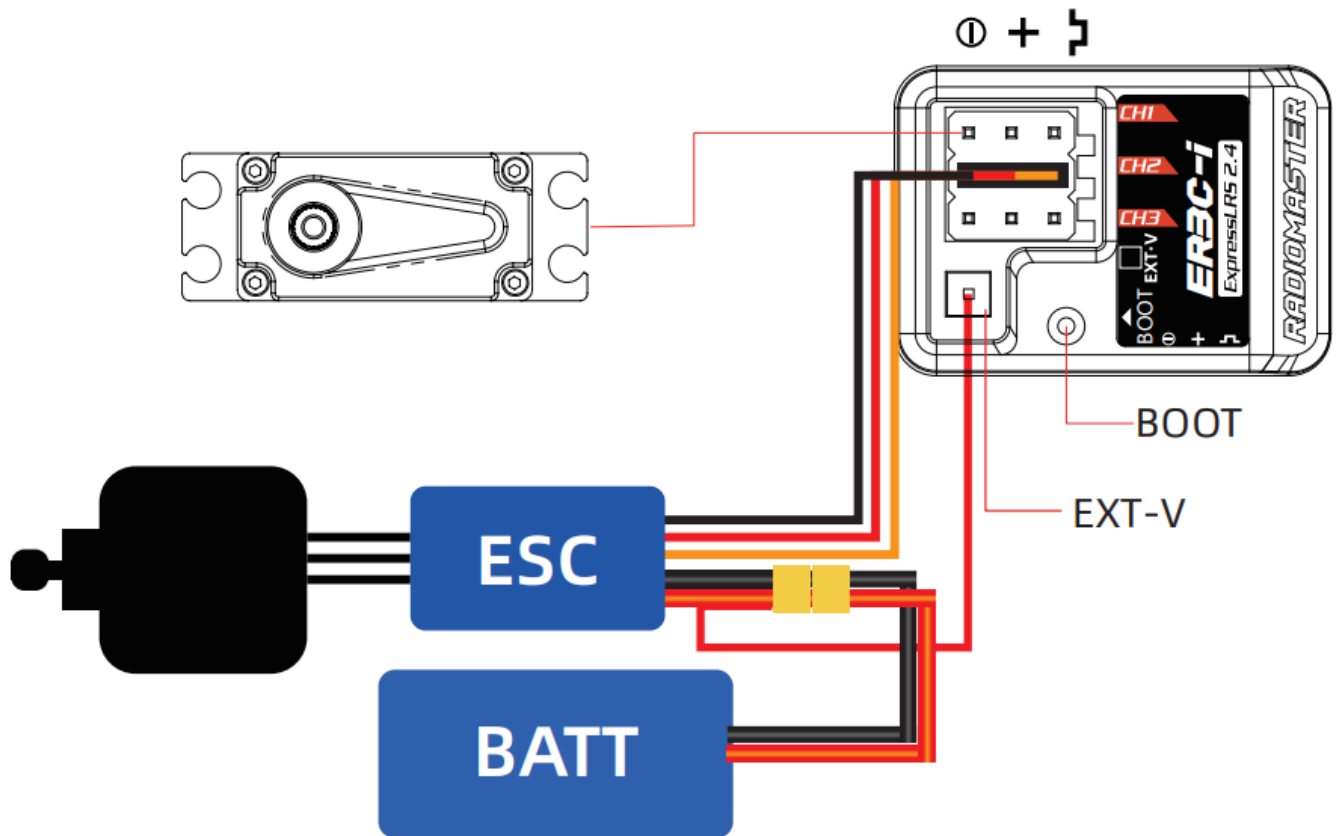
1. The maximum input voltage of the external battery voltage acquisition interface is 35V. Too high a voltage may cause permanent damage to the receiver.
2. External battery voltage collection is connected to the positive electrode of the battery (welded to the positive electrode of the electric modulation). Make sure that you do not connect the external voltage without connecting the BEC.
3. Voltage display error: Adjust RxBt Ratio and Offset in TELEMETRY menu of remote control.

Receiver Specifications

- Power supply: DC 4.5 – 8.4V
- Antenna type: Built-in high-sensitivity ceramic antenna
- Wireless protocol: ExpressLRS 3.3.0 pre-installed
- Output channel: 3CH PWM
- Telemetry power: 10mw
- Battery voltage detection range: DC 4.0 – 35V
- Weight: 4.2 grams
- Dimensions: 26.1*18.5*13.0mm

Firmware

- Device Category: Radiomaster 2.4Ghz
- Device: Radiomaster ER3C-i



The Radiomaster ER3C-i ELRS receiver can drive three steering engines simultaneously. Integrated receiver voltage detection, power battery voltage detection, and realize the automatic switching of two voltage detection. With built-in antenna design, suitable for ship model, car model.

Binding method (Traditional)

1. The first time you power on your receiver, the LED will double blink. This indicates that the receiver is in bind mode. If this is not the case, hold down the boot button for 10 seconds to reset the receiver.
2. Open the ExpressLRS LUA on your remote controller and select [BIND], then confirm.
3. A successful bind is indicated by the light being a steady on, indicating that frequency binding was successful.



Note: To bind the receiver a second time or to another radio, power cycle the receiver 3 times. On the third power cycle, the LED will double blink, indicating bind mode. If you cannot successfully enter bind mode with the 3 power cycle method, you can hold down the boot button for 10 seconds to reset the receiver to bind mode or use the passphrase method below.

WARNING: All previous settings in the receiver will be erased and need to be set again when using the reset button.

FCC Statement

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio

communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This product complies with the radio interference requirements of the European Community

- Product name: ER3C-i
- Product model: ER3C-i
- Applicant: Shenzhen Radiomaster Co.,Ltd
- Address: 4F Yangtian Building, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
- Frequency Range: 2402.4 – 2479.4MHz
- Max. output Power: 15.46 dBm

SIMPLIFIED EU DECLARATION OF CONFORMITY

The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows: Hereby, Shenzhen Radiomaster Co.,Ltd declares that radio equipment type ER3C-i is in compliance with Directive 2014/53/ EU.This product can be used across EU member states.

This equipment should be installed and operated with a minimum distance 20cm

between the radiator & your body.

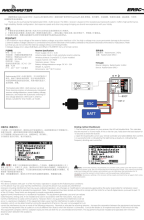
EU Agent

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FAQ

- **Q: What should I do if the receiver does not enter bind mode?**
 - A: If the receiver does not enter bind mode with the power cycle method, try resetting the receiver by holding down the boot button for 10 seconds.
- **Q: What is the maximum input voltage for the external battery voltage acquisition interface?**
 - A: The maximum input voltage is 35V to prevent permanent damage to the receiver.

Documents / Resources

	RADIOMASTER ER3CI-ER5CI PWM Receiver [pdf] User Manual ER3CI, ER5CI, ER3CI-ER5CI PWM Receiver, ER3CI-ER5CI, PWM Receiver, Receiver
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References

- [User Manual](#)

🔍 ER3CI, ER3CI-ER5CI, ER3CI-ER5CI PWM Receiver, ER5CI, PWM Receiver, Radiomaster,

📁 Radiomaster Receiver

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