

1. Technical Values

	EZX-R	EZX-R Pro
Operating Voltage Range	6~7 Cells	6~7 Cells
BEC Output Voltage	5V	5V
BEC Output Current	0.8A	0.8A
Maximum Current	65A	140A
Continuous Current	46A	96A
Rated Current Brake / Rev	32A	70A
On Resistance Forward	0.016ohm	0.006ohm
On Resistance Reverse	0.032ohm	0.012ohm
Weight	56g(2oz)	56g(2oz)
Dimensions	40x34x16mm (1.57x1.34x0.62inch)	40x34x16mm (1.57x1.34x0.62inch)
Temperature Overload	100~110°C	100~110°C
PWM Frequency	1900hz	1900hz
*Motor Limit when properly geared.	23 turn	17 turn

2. Features

Microprocessor Controlled
Low Resistance
MOSFET Drive
One push set up
Two Way or One Way

Include with your returned product:

- Your name, address and daytime telephone number.
- A detailed note stating exactly what went wrong and how it happened.
- A copy of your original purchase receipt.

* **Hobby retailers are NOT authorized to replace ESC's to be defective.**

U.S. Service Procedure:
Send your defective product to:

Hitec Customer Service
12115 Paine St.
Poway, CA 92064

* This is available to those who lives in USA



Congratulations on your purchase of the **EZX-R, EZX-R Pro** high frequency reversing electronic speed control. The **EZX-R, EZX-R Pro** represents the latest technology for high performance and reliability in a reversing type ESC. Set it for two-way control for fun or forward only for racing, **the EZX-R, EZX-R Pro does it all!**

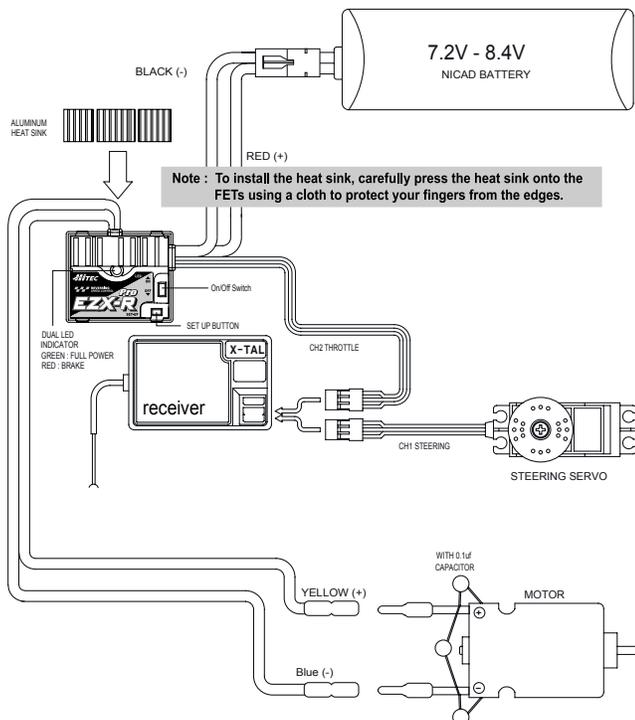
Step 1. Mounting instructions:

- 1.) Mounting the **EZX-R, EZX-R Pro** should be done with double-sided tape in a location with good airflow that does not interfere with the suspension of the vehicle. Refer to your cars instruction manual for their suggested location

Step 2. Hook up Instructions:

- 1.) Connect the receiver lead to the throttle channel of the receiver. This is typically CH#2. (Caution: The plug supplied will work with Hitec, Futaba, JR and Airtronics "Z" only)
- 2.) Connect the ESC's blue (-) and Yellow (+) wires to the motor via the bullet connector C's Tamiya type connector to the battery. (Note: If you choose to use a different type connector you will have to change the stock connector to match.)
- 4.) Note: Always make sure you have three 0.1uf capacitors on the motor. One from the positive motor tab to the ground (Case), the second from the negative motor tab to the ground and the third from the positive motor tab to the negative motor tab.
- 5.) Warning: Do not use a Schottky diode if using the reverse mode; it may damage the speed control.

HITEC EZX-R, EZX-R Pro High Frequency Electronic Speed Control Instruction Manual



Step 3. Set-Up Instructions:

Two-Way Setup (Reversing)

- 1.) Turn on TX and make sure the EPA's or ATV's (if you have them) are set to 100% and the trim is at neutral.
- 2.) Turn on the ESC switch while pushing the set-up button then let off.
- 3.) The ESC light will then flash once. (The neutral point of throttle is set.)
- 4.) Immediately pull full throttle, the ESC light will flash once again. (Full power point of throttle is set.) Note: Motor will not run during the set up procedure even if connected to the ESC.
- 5.) Immediately push full brake; the ESC light will flash once. (Brake and Reverse is set.)
- 6.) Return the throttle to neutral; the light will flash twice. (All setting was properly done)
- 7.) Continuous flashing means there was an error. Repeat the set up procedure.

One way Setup (Forward Only)

- 1.) Turn on TX and make sure the EPA's (if you have them) are set to 100%
- 2.) Turn on the ESC switch while pushing the set-up button then let off.
- 3.) The ESC light will flash once. (The neutral point of throttle is set.)
- 4.) Immediately pull full throttle, the ESC light will flash once again. (Full power point of throttle is set.) Note: Motor will not run during the set up procedure even if connected to the ESC.
- 5.) Immediately push full brake; the ESC light will flash once. (Brake is set.)
- 6.) Immediately push the ESC set-up switch while pushing full brake; it will then flash twice. (All set)
- 7.) Continuous flashing means there was an error. Repeat the set up procedure.

Precaution

- 1.) Never get your electronics wet.
- 2.) Always use the supplied heat sinks. Failure to do so will overheat your ESC and will void the warranty.
- 3.) Never use less than 7.2V (6 Cell) or more than 8.4V (7 Cell).
- 4.) Always use three 0.1uf capacitors on the motor.
- 5.) Never use a Schottky diode when using the reverse function.
- 6.) Motor limits are calculated and must correspond with the proper gearing. Over gearing will cause the ESC to overheat. If this happens use a smaller pinion (motor) gear.
- 7.) Always make sure your batteries and connectors are wired properly. Red is positive (+), and black is negative (-). Reversed polarity will damage the ESC.
- 8.) Always turn your transmitter on first and off last.
- 9.) Always disconnect the battery from the ESC when not in use.
- 10.) Always insulate any exposed wires.