



75A ESC Instructions

This is a direct replacement ESC for the DuraTrax® DX450 motorcycle.

WARNINGS:

- Never leave your battery plugged in when the motorcycle is not in use.
- Never allow the ESC to come in contact with water.
- Never exceed the listed battery voltage.
- Never cover or block air flow from reaching your ESC.
- Never use your ESC for any other application than it was intended.

SPECIFICATIONS:

Sensorless brushless technology

Forward/Brake

Input voltage: 7.2V-12V NiCd/NiMH/LiPo

Case size: 50x45.4x27.1mm (without optional fan)

Deans® Ultra Plug® battery plug

INSTALLATION:

1. Thoroughly clean the mounting surface of any leftover double-sided tape and dirt.
2. Use a quality double-sided tape and install the ESC onto the DX450's ESC mounting plate. Make sure you position the ESC on the mounting plate so that it will be clear of all the motorcycles parts.
3. Be sure to connect the corresponding colored wires from the motor to the ESC.
4. Mount the ESC switch in the proper location on the side of the motorcycle.
5. Plug the receiver wire from the ESC into the correct channel of your receiver.

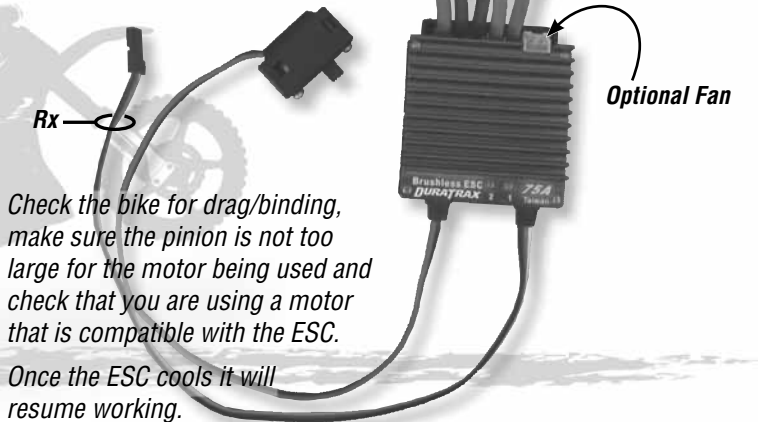
SETUP:

The DX450 ESC is an auto-program ESC. Set your transmitters throttle trim to neutral. Then simply switch on your transmitter, and then your ESC. The ESC will sound to let you know that it is working and then again once it has confirmed the TX/RX compatibility. Once you hear the second set of beeps, you can proceed to driving.

Note: The ESC is designed to work with a 50/50 throttle/brake transmitter.

THERMAL PROTECTION:

The ESC has built in thermal protection circuitry to protect the ESC from being damaged during running. If the thermal protection shuts the ESC off, the red LED will light solid.



TROUBLESHOOTING:

Problem:

Steering servo functions but the ESC does not.

Cause:

Defective motor.

Speed control plugged in incorrectly.

Motor wires not properly connected.

Defective ESC.

Problem:

No steering servo function no ESC function.

Cause:

Battery not plugged in.

Battery not charged.

ESC not plugged in properly.

Transmitter or receiver not functioning properly.

Problem:

Motor continues to run at neutral.

Cause:

The throttle trim on your transmitter is not set properly.

Problem:

Transmitter throttle is backwards.

Cause:

The throttle reverse switch on the transmitter is not set correctly.

Problem:

The ESC's thermal protection shuts the ESC off during running.

Cause:

The motor pinion is too large.

The motor is not compatible with the ESC.

FAIL-SAFE MODE:

If the ESC detects any abnormal signal for more than 2 seconds it will automatically cut the power going to the motor. Once the signal is regained the ESC will automatically turn back on.

FAN (OPTIONAL): DTXC4605

There is an optional external fan unit that mounts to the top of the heat sinks that can be installed if you are running in extreme hot conditions or use a more powerful motor than what is included with the DX450. The fan unit plugs into the port located next to the motor/battery wires.



DURATRAX®