

For Immediate Release: January 30, 2020

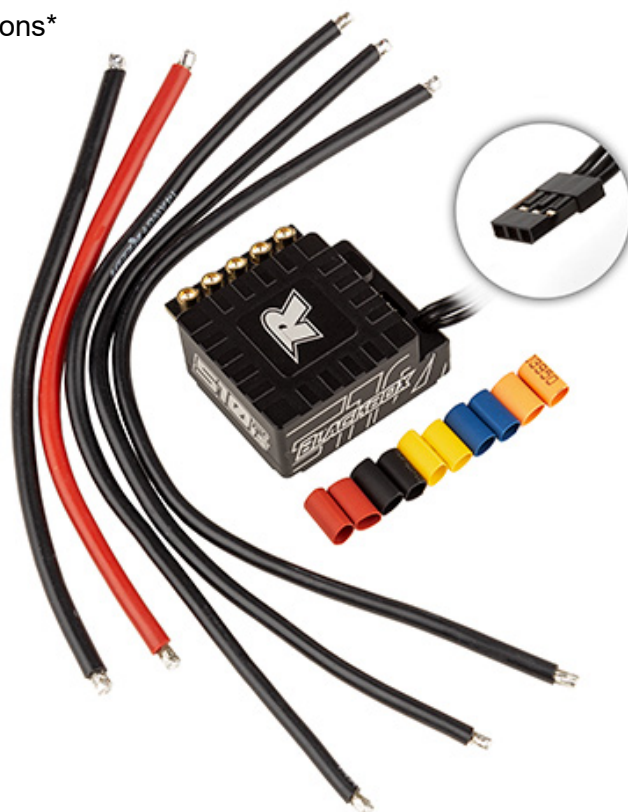
New! Blackbox 510R 1S Competition ESC

Reedy's Blackbox 510R 1S Competition ESC is now available! Extensive race testing by Reedy's engineering and racing team has resulted in a high performance, high quality, and reliable ESC suitable for all levels of 1/12 competition. Thanks to excellent throttle and brake feel, a wide range of precision adjustability, and durable high-quality hardware, the Blackbox 510R 1S ESC is an excellent choice for blinky and modified 1:12 racing classes.

Features

- CNC machined black aluminum case with integrated heat sink
- Fully adjustable brake, throttle, power, and safety functions*
- Blinky mode with ROAR approved software
- Precision throttle and brake control
- Ultra-low resistance FET board
- On-board power button
- Solder tabs with 13/14-gauge power wires
- Integrated internal capacitors
- RPM and ESC temp data logging*
- Firmware updateable*

*Requires #27027 Blackbox PROgrammer2



Specifications

Feature	Specification
Voltage input	1S LiPo
Continuous current (A)	120
Dimensions (mm)	36.4 x 36.4 x 16.5
Weight w/o wires & fan (g)	40.4
Motor limit	3.5T
BEC	6.0 - 7.4V/5A

UPC	Part No.	Description	Web Price	MSRP	Available
784695270091	#27009	Blackbox 510R 1S Competition ESC	\$184.99	\$299.99	BUY NOW!
784695270107	#27010	Blackbox 510R 1S Competition ESC w/PROgrammer 2	\$224.99	\$363.99	BUY NOW!

More information on next page.

Blackbox 510R 1S Competition ESC

With the Blackbox PROgrammer2, the full potential of the 510R can be exploited. In addition to working as a programmer, it also operates as a battery monitor and USB firmware update device.

The following functions can be modified and saved using the Blackbox PROgrammer2:

Brake

Overall brake strength, frequency, drag brake, initial brake, and punch can be fine-tuned to perfect brake performance and feel in different vehicles and track conditions. Dynamic Drag Brake settings allow users to add additional drag brake when conditions make it advantageous.

Throttle

Drive frequency, punch, initial throttle, current limit, and dead band adjustability make the perfect setup possible regardless of the type of motor chosen and the type of vehicle being raced.

Motor Power

Advanced acceleration boost and top speed timing settings are particularly useful on large tracks in modified classes and in stock classes where ESC timing is permitted. Each setting can be used individually or together to achieve maximum power and speed.

Miscellaneous Control

Select between Forward/Brake or Forward/Brake/Reverse mode and adjust the BEC output voltage depending on the type of servo used and desired servo speed. Adjust the desired low voltage cutoff or disable it completely. The temperature at which the ESC cuts motor power due to overheating can also be adjusted or disabled. Reversing the rotation of the motor is also possible.

