For Immediate Release: December 9, 2016

New! Reedy Blackbox 510R Competition ESC

After months of anticipation, Reedy's highly developed Blackbox 510R Competition ESC is now available to racers worldwide. 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 competition. Thanks to excellent throttle and brake feel, a wide range of precision adjustability, and durable high-quality hardware, the Blackbox 510R is suitable for a wide range of racing applications.

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-gauge power wires
- Pro external capacitor board
- RPM and ESC temp data logging*
- Firmware updateable*

Requires Blackbox PROgrammer2 #27027

#27004 Blackbox 510R 2S Competition ESC installed in the TC7.1 (shown with optional #27028 fan)

Specifications

	Blackbox 510R
Voltage input	2S LiPo
On resistance (mΩ)	0.105
Continuous current (A)	150
Dimensions (mm)	38.5 x 36.9 x 19.5
Weight w/o wires & fan (g)	44
Motor limit	3.5T
BEC	6.0-7.4V/5A
Fan	Optional

#27005 Blackbox 510R 2S Competition ESC w/PROgrammer2

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 510R ESC includes two modes that can be modified and saved independently from one another. Standard mode offers a wide variety of tuning options while Expert mode takes it one step further and opens additional options for more experienced racers and/or racing classes that can take advantage of these advanced settings.

See next page for more features!

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 function allows 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 applications such as 1:10 Touring Car and spec classes where ESC timing is permitted. Each setting can be used individually or together to achieve maximum power and speed. When in Standard tuning mode, timing adjustments are simplified for newer users or in applications such as 1:10 off-road where advanced settings are not required.

Miscellaneous Control
With the PROgrammer2, 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.

The Blackbox 510R and PROgrammer2 (#27027) are not compatible with the Blackbox 410R and original PROgrammer (#27025).

			MAP	MSRP	
784695 270046	#27004	Blackbox 510R 2S Competition ESC	$179.99	$289.99	**BUY NOW!**
784695 270053	#27005	Blackbox 510R 2S Competition ESC w/PROgrammer2	$219.99	$349.99	**BUY NOW!**
784695 270275	#27027	Blackbox ESC PROgrammer2	$49.99	$79.99	**BUY NOW!**
784695 270282	#27028	Blackbox 30x30x7mm Fan w/screws		$18.99	**BUY NOW!**
784695 270299	#27029	Blackbox Pro Modified Capacitor Unit		$13.99	**BUY NOW!**
784695 270305	#27030	Blackbox PROgrammer2 Connection Wire		$4.99	**BUY NOW!**
784695 270312	#27031	Blackbox 30x30x10mm Fan w/screws		$21.99	**BUY NOW!**

#27027 Blackbox ESC PROrammer2

#27028 Blackbox 30x30x7mm Fan w/screws

#27029 Blackbox Pro Modified Capacitor Unit

#27030 Blackbox PROgrammer2 Connection Wire

#27031 Blackbox 30x30x10mm Fan w/screws