

For Immediate Release: August 2025

## New! Reedy Blackbox 880R Competition 1:8 ESC



(Pictured: New! Reedy Blackbox 880R Competition 1:8 ESC)

Reedy Power, a legendary name in the RC racing industry with 30 IFMAR World Championship titles, proudly announces the launch of the Reedy Blackbox 880R Competition 1:8 ESC.

Track tested and competition proven, Reedy's Blackbox 880R is a versatile and powerful ESC engineered for the extreme demands of 1:8 Buggy, Truggy, and 1:10 Short course competition. This state-of-the-art ESC delivers excellent throttle and brake feel, a wide range of adjustability, and robust hardware for racers seeking maximum performance on track.

Reedy Power has always been about providing quality, high-performance products for racers whose goal is the top step of the podium" said Rick Hohwart, Reedy Power's brand manager and 40-year RC industry veteran. "The 880R is the culmination of months of testing, delivering the power, control, and reliability that racers demand. Whether you're an enthusiast racing at the local level or a pro racing at national and international competitions, this ESC is capable of winning".

The Reedy Blackbox 880R Competition 1:8 ESC is now available for purchase at hobby shops, online retailers, and at [www.ReedyPower.com](http://www.ReedyPower.com).

## Features

- CNC machined black aluminum case with integrated heat sink
- Fully adjustable brake, throttle, power, and safety functions\*
- Precision throttle and brake control
- Ultra-low resistance FET board
- 32-bit microcontroller unit (MCU)
- Push-button power switch
- Solder tabs w/heavy-duty power wires
- Integrated power capacitors
- 30mm fan with CNC machined shroud
- RPM and ESC temp data logging\*
- Firmware updateable\*

\*Requires Blackbox Programmer2

## Specifications

Feature	Specification
Voltage Input	2S-4S LiPo
Suggested Applications	1:8 eBuggy/eTruggy, 1:10 4wd Short Course
Resistance ( $\Omega$ )	0.00043
Cont./Peak Current (A)	180/700
Dimensions (mm)	54 x 37 x 23
Motor Limit (4S)	2400kV
Weight w/o wires & fan (g)	45
BEC	Adjustable 6.0-7.4V/5A
Power Wires	10-gauge silicone (battery) 12-gauge silicone (motor)
Fan	30mm included

Default settings have been developed by our racing team for excellent performance out of the box, but the maximum potential of the 880R can be exploited by using the optional Blackbox Programmer2 to fine tune a wide variety of settings. In addition to working as a programmer, the Programmer2 functions as a LiPo battery voltage checker and as a USB firmware update device.

The 880R 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.

## 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 adjusted to perfect brake performance and feel in different vehicles and track conditions. A new brake mode selection offers a choice of three braking options to suit the driver's personal preference and track conditions.

### **Throttle**

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

### **Motor Power**

Advanced timing settings are particularly useful on large or high grip tracks to achieve maximum acceleration and top speed. New soft power and coast settings create fine tuning options to adjust low-end power to suit various track conditions and drivability requirements. Standard tuning mode simplifies timing adjustments for less experienced racers or in newer users or in applications where advanced settings are not required.

### **Miscellaneous Control**

Choose Forward/Brake or Forward/Brake/Reverse mode and adjust the BEC output voltage to fine tune servo speed to suit driver preference. Select 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. For vehicles that require it, reversing the rotation of the motor is possible.

### Notes:

To program the Blackbox 880R, Programmer2 (#27027) with firmware EE460145 must be used. This version is already installed when purchasing the 880R/Programmer2 combo. Firmware updates and Blackbox Link version 2.7 can be found on the 880R product page at [www.reedypower.com](http://www.reedypower.com).

The full list of programmable functions can be found in the chart below:

		Tuning Mode	Standard, Expert			
Brake	1A	Drag Brake	0% - 12%, (2% increments), Custom 0% - 100% (1% Increments)			
	1B	Brake Strgth	40%-100% (5% Increments)			
	1C	Init Brake	= Drag Brake, 0%-6% (2% increments), Custom 0% - 50% (1% increments)			
	1D	Brake Freq	500Hz, 1KHz, 1.5KHz, 2KHz, 2.5KHz, 3KHz, 4KHz, 6KHz, 8KHz, 12KHz, 16KHz			
	1E	Brake Punch	Level 1-20			
	1F	Brake Mode	Linear, Traditional, Hybrid			
Throttle	3A	Punch Ctrl	Level 1-30			
	3B	Init Throttle	0% - 40% (1% increments)			
	3C	Drive Freq	1KHz, 2KHz, 3KHz, 4KHz, 6KHz, 8KHz, 12KHz, 16KHz, 24KHz, 32KHz			
	3D	Deadband	2% - 12% (1% increments)			
	3E	Current Limit	50% - 100% (1% increments)			
Motor Power	<b>Standard</b>		<b>Expert</b>			
	5A	Timing Level	Level 0 - 0° Blinky	4A	BT Soft Pwr	0° - 20° (1° increments)
			Level 1 - 3°	4B	BT Soft Rng	0% - 75% (5% increments)
			Level 2 - 6°	4C	Coast Value	0% - 20% (1% increments)
			Level 3 - 9°	4D	Turbo Timing	0° Blinky - 20° (1° increments)
			Level 4 - 12°	4E	Turbo Delay	Off, 0.05s - 1.0s (.05s increments)
			Level 5 - 15°	4F	Slew Rate	3°/0.1s - 30°/0.1s (1° increments), Instant
				4G	Release Rate	3°/0.1s - 30°/0.1s (1° increments), Instant
Misc. Control	6A	Run Mode	For/Brake, For/Brake/Rev			
	6B	Reverse Power	25%, 50%, 75%, 100%			
	6C	Batt Cutoff	None, 3.2V/cell, 3.4V/cell			
	6D	ESC Temp Cut	Off, 221F/105C, 257F/125C			
	6E	Mot Rotation	Normal/Reverse			
	6F	BEC Voltage	6.0V-7.4V (.1V increments)			
	6G	Reset Default	No/Yes			

UPC	Part No.	Description	MSRP	MAP	COO	Available
784695270435	27043	Blackbox 880R Competition 1:8 ESC	\$389.99	\$233.99	CN	<a href="#">BUY NOW!</a>
784695270442	27044	Blackbox 880R Competition 1:8 ESC w/Programmer2	\$444.99	\$269.99	CN	<a href="#">BUY NOW!</a>