PHOENIX EDGE

Unparalleled Versatility
For heli and planes up to 8S

DATA LOGGING included

50A 2-8S 5A BEC

castle LINK COMPATIBLE

CC-010-0102-00
Phoenix EDGE-50

DATA LOGGING included

75A 2-8S 5A BEC

castle LINK COMPATIBLE

CC-010-0101-00
Phoenix EDGE-75

DATA LOGGING included

100A 2-8S 5A BEC

castle LINK COMPATIBLE

CC-010-0100-00
Phoenix EDGE-100

DATA LOGGING included

130A 2-8S 5A BEC

castle LINK COMPATIBLE

CC-010-0099-00
Phoenix EDGE-130

DATA LOGGING included

200A 2-8S 5A BEC

castle LINK COMPATIBLE

CC-010-0098-00
Phoenix EDGE-200

Welcome To The Next Generation Of Castle Air Controllers, The Phoenix EDGE Series.

Phoenix EDGE brings the ability to run at input voltages of up to 8S* (33.6) and use the built in switching BEC to output up to 5 amps of servo power all the way up to the 8S max*!

Switching Bec
The Phoenix EDGE switching BEC output is factory set to 5.0V. Users may use Castle Link to select their desired voltage between 5.0V and 7.0V, in 0.1V increments.

Data Logging
The Phoenix EDGE brings another incredibly useful feature, extensive data logging capabilities. The controllers are able to measure and record many parameters at sample rates that you choose between 10 samples per second and 1 sample per second.
Data points include:
• Battery Voltage
• Battery Ripple
• Battery Current
• Controller Temperature
• Controller Input Throttle
• Controller Motor Power Output
• Motor RPM
• BEC

This data is stored directly in the controller and may be accessed once the run is over using the Castle Link USB adapter (sold separately) and Castle Link software (available free at castlecreations.com). The Max Log Size is 21,504 bytes, everything takes one byte except for motor rpm which takes two.

Logging 'Battery Current' at only a 1 sample/second - 358 minutes of logging time (almost 6 hrs)

Logging 'Motor RPM' at only 1 sample/second - 179 minutes of logging time

Logging everything at only 1 sample/second - 44 minutes of logging time

Logging everything at 10 samples/second - 4 minutes and 28 seconds of logging time

Two Versions
The EDGE comes in two versions, standard version which is optimized for demanding RC heli and sport aircraft applications and a Lite version packaged in heat shrink for users with tight fuselages.

All Phoenix EDGE are ready to fly out of the bag, no programming is necessary for most aircraft applications. The controllers are set at the factory for Auto Lipo detect/cutoff operation and they are tuned for optimum outrunner performance.

Advanced users will find the incredible programmability of the Phoenix EDGE allows for performance characteristics tailored exactly to their desires.

Heli users are raving about the performance of Castle's programmable helicopter modes which include options to directly enter desired governed headspeeds as numerical values! Every heli power combination requires slightly varying governor gains, Castle makes these easy to tweak and the net result is a rock solid tail.

Get the Edge over your competition.
With the debut of the Phoenix Edge series of ESCs the next evolution in speed controller technology has arrived. *The Edge series introduces a user programmable auxiliary wire capable of functions modelers have only dreamed of, until now. The white auxiliary wire can be used for helicopter governor gain input adjustments mid-flight, serve as an audible beacon after an "unexpected landing", act as an RPM output for 3-axis gyros that support RPM sensors, be used as an ESC arming lock or as a receiver arming lock.* Combined with the data logging capability the Edge series of controllers offer, users can enjoy unparalleled versatility.

The Phoenix Edge series is intended for use in helicopters ranging from 450 to 800 size, and fixed wing aircraft up to 1.20 size and larger. As always, the Edge series of controllers offer industry-leading software functions, data logging, and USB programming capability via Castle Link USB adapter

Technical specs

Description	Max. Voltage	Ni-xx Cells	Li-xx Cells	Max. Amps	Dimensions	Weight (no Cable)	SBEC
PHOENIX EDGE 50	34V	5~24	2~8	50A	43x53x21mm	45g	5 -7V / 5A
PHOENIX EDGE 75	34V	5~24	2~8	75A	51x72x23mm	71g	5 -7V / 5A
PHOENIX EDGE 100	34V	5~24	2~8	100A	51x72x23mm	73g	5 -7V / 5A
PHOENIX EDGE 130	34V	5~24	2~8	130A	51x84x23mm	86g	5 -7V / 5A
PHOENIX EDGE 200	34V	5~24	2~8	200A	51x108x31mm	148g	5 -7V / 5A

castle