ABOUT Ghost-RC COBRA 8 ACE

Motors

Please note that while the Cobra 8 ACE is capable of handling incredible amounts of power, your motor must also be up for the task. Always run your motor within the manufacturer's specs. Monitor motor, battery, and controller temps carefully and never let the motor get above 180°F. Excessive heat in the motor can damage the motor, the Cobra 8, a and your batteries.

Gearing

Gearing is dependent upon motor selection. Always start with the highest ratio recommended for your motor. Monitor data logs to ensure ESC and motors temps and current draw are within acceptable levels.

Programming

The Cobra 8 is programmable via your transmitter, ¿indows® based PC and ° Castle Link V4 USB adapter. Do not start a fresh set up with excessive timing. This can result in high current draw and damage to your ESC, battery, and/or motor.

Data Logging

The Cobra 8 features data logging. You will be able to measure and record important power system information during your race, turn by turn. After your run, you can download and analyze this log using the Castle Link USB. You will be able to inspect many parameters including battery voltage, motor RPM, ESC temperature, and more. Additional information about using data logging features can be found in the Driver's Ed Guide ("data Logging").

COBRA 8 ACE

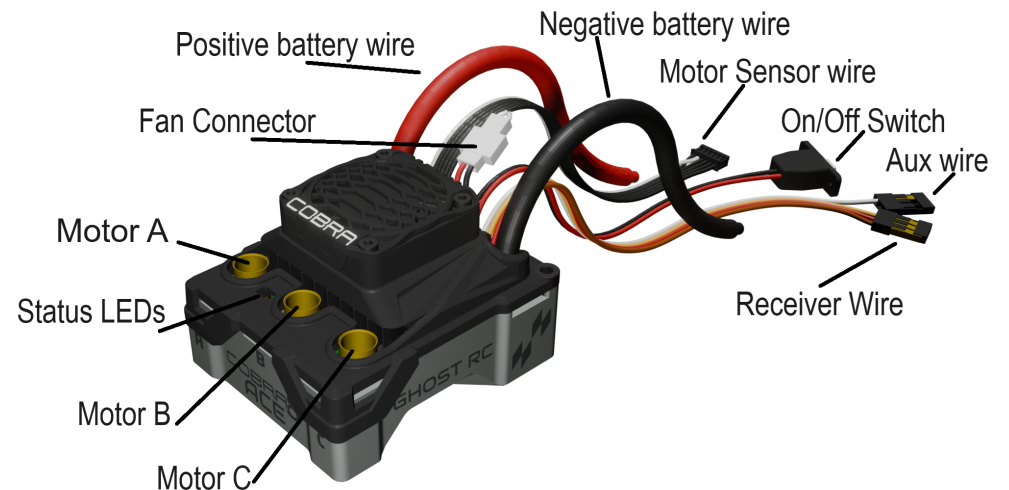32-BIT 1:8 SCALE WATERPROOF ELECTRONIC SPEED CONTROL

Quick Start Guide

GHOST RC

AMERICAN SPEED

GETTING STARTED

1 Solder a high quality battery connector to the ESC and Capacitor Pack to ESC's battery wires

2. Mount the ESC and motor into the vehicle.

3. Connect motor's bullets to ESC and sensor wire to motor.

4. Plug the RX wire and AUX wire in. (See RECEIVER CONNECTION section on the opposite side)

5. Calibrate your ESC to your radio.

YOU ARE NOW READY TO GO!

Positive battery wire
Negative battery wire
Motor Sensor wire
Fan Connector
On/Off Switch
Aux wire
Motor A
Status LEDs
Receiver Wire
Motor B
Motor C

Ghost-RC COBRA 8 ACE SPECIFICATIONS

Application Guidelines	1:10 scale RC Drag cars
Input Voltage Range	Min: 2S LiPo, Max: 4S LiPo (Note: While the ESC is capable of up to 14.8V, the motor of your choice may only be capable of lesser voltage. Always use the lesser of the two values.)
BEC Specifications	5.0V - 8.0V adjustable in 0.1V increments (8A Peak); default 5.5V
Waterproof	Yes*
Sensors	Yes, with pre-installed Direct Connect Sensor Wire.
Product Use Statement**	• Applying voltages higher than 14.8 V will cause irreparable damage to your controller, voiding the warranty. • Installation of a capacitor pack is required for drag racing applications. • The Cobra 8 ACE uses 6.5mm motor bullet connectors directly on the ESC and the battery input wires are bare. Use of a high current battery connector is required. Ghost-RC recommends QS8 or 8mm bullets. • The Cobra 8 is not intended for human or animal propulsion.

RECEIVER CONNECTION

RX Wire	Plug the RX wire into the throttle (#2) channel on your receiver.
AUX Wire	The AUX wire allows you to adjust a setting "on-the-fly" using an auxiliary channel on your receiver. The AUX wire function is disabled by default and is programmable via Castle Link. Plug this wire into the auxiliary (#3/#4) channel on your receiver.

*Not intended for operation while submerged in liquid. If unit is operated in wet conditions, rinse with fresh water to remove dirt or corrosives, then fully dry unit.

**Failure to adhere to the Product Use Statement constitutes a violation of the warranty agreement, and will result in non-warranty service fees to repair or replace damaged products.

TRANSMITTER PROGRAMMING REFERENCE

1.Brake/Reverse Type
• With Reverse*
• • Without Reverse
• • • Crawler Reverse

3. Brake Amount
• 25%
• • 50%*
• • • 75%
• • • • 100%

5. Motor Type
• Brushless*
• • Brushed Reversing

2.Voltage Cutoff
• Auto-Lipo*
• • None

4. Drag Brake
• Disabled*
• • 10%
• • • 20%
• • • • 30%
• • • • • Crawler Full On

6. Motor Direction
• Normal**
• *Reverse*

Default Setting

AUDIBLE ALERT REFERENCE

• •	Start Fail
• —	Low Voltage Cutoff
— •	Over-Current
• • •	Sensors Lost
• • —	Radio Glitch
• — •	Over-Temperature
• — —	Excessive Load
— • •	AUX Wire Radio Glitch
— • —	BEC Over-Temperature
— — •	Motor Over-Temperature

Contact
www.Ghost-rc.com/contact

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