

INSTRUCTION MANUAL

**Important! Read Instruction Before Use
Oracle Is Designed For Racers Only**

Oracle
with
ABS Brake **REVERSIBLE**

Northstar Drive System provides smooth running and increased radio system range.

Intelligent Braking Circuitry provides a safe transition from forward to reverse.

ABS Braking System provides safe stopping power.

Digital Auto Fail Safe minimized out-of-control accident.

PCM Power Control Module increase motor life 25%.

J-MOS.FET transistors provide incredible high frequency performance and cool operation.

Solid State ITP, intelligent temperature protection with multi stage switching ensure reliability.

Factory installed motor and battery plugs for quick and easy installation.



www.integy.com

PCM DIGITAL ELECTRONIC SPEED CONTROLLER

Operation

In order to achieve its best performance, the Oracle does not contain reverse voltage protection. To help prevent damage from occurring, please completely read the instructions before using this unit.

CAUTION: Do not use any schottky diode on this unit. If you are not sure how to properly install this electronic speed control, please consult with your local hobby shop. Damage from improper installation is not cover under mfg. warranty.

If an overload occurs or improper connection is made, the unit will damage. In this case, disconnect the unit and send it to a service center for repair. We charge a flat rate of \$25.00 to repair the unit. NEVER attempt to repair or open the electronic speed control unit, it contains no user

You may convert the Futaba J style harness to be compatible with Airtronics (AIR) or JR/Hitec/AIR Z (JR) receivers. Mount the speed control away from the receiver and antenna with double-sided tape. Please note that the 480A Oracle doesn't come with an on/off switch. Mount the receiver as far from the ESC, motor, power wires, battery, and servo as possible. The input power plug is a Tamiya type and the blue and white wires are power outputs. Connect the blue wire to the motor negative and the white wire to the motor positive.

The INDI Oracle is equipped with the most advanced software along with embedded high power microprocessor. Auto frequency control, ABS brake, Auto Fail Safe, digital neutral point, end points are all set with a single button. It may sound complicated but don't worry, Oracle is the most user friendly ESC on the market. Complete programming for ESC only take 5 seconds. Please follow the steps on the next column:

Step 1,

Turn on the power of your transmitter, set HIGH ATV, LOW ATV, EPA, ATL to maximum. Set EXPONENTIAL to zero. Set THROTTLE CHANNEL TRIM to the middle. Set all other transmitter throttle settings to the transmitter default settings. If you don't know how to set these transmitter functions, please read your radio control instruction manual.

Step 2,

Connect ESC to a 7.2V pack while the motor is disconnected. With the transmitter throttle in the neutral position, press and hold the ESC's SETUP button (Tool included) until the status LED blinks (in approximately 2 seconds). Release the SETUP button. As soon as you release the SETUP button, PULL THE TRANSMITTER'S TRIGGER TO THE FULL THROTTLE POSITION, then PUSH THE TRANSMITTER'S TRIGGER TO THE FULL REVERSE POSITION, then RETURN THE TRANSMITTER'S THROTTLE TO THE NEUTRAL POSITION.

Step 3,

Your speed control is now set and ready to run!

- Consult your hobby shop if you have difficulty installing the ESC unit.
- reverse on Oracle will engage for a maximum of 5 seconds each time.
- some motors draw too much current and are not compatible with the 480A Oracle
- If your car runs without load but just generate a high frequency noise while your car is on the ground. The Oracle overload protection feature has shut off the ESC output because the motor is drawing too much current
- The 1410A Oracle can handle almost any modified motors and the 480A model can handle only 16 turns or higher turn motors.
- In rare cases, Oracle 480A reverse module may not work with certain high performance high power racing stock

Safety Precautions

1. Do not use the INDI Oracle with more than 7 cells (8.4V)
2. Do not operate the ESC in or near water.
3. It is the users responsibility to follow car kit mfg. suggested installation method. Users must also closely follow radio transmitter and receiver installation instruction. Equipment damage may occur if the Oracle malfunction or, when user does not follow mfg. recommended installation.
4. Never connect the Oracle to a battery pack while that pack is charging.
5. This product is not intended for use by unsupervised children.
6. This product is designed for R/C car or R/C plane only.
7. When running, monitor the temperature of the ESC. If the unit

Warranty and Repair

Your INDI Oracle is guaranteed against workmanship and manufacturing defects for a period of 30/120 days from the original date of purchase. This warranty is limited to the original purchaser of the ESC and is not transferable. Warranty repair will not cover units which have been modified, missed or serviced by an unauthorized service center.

NOTE: Freight charges are not covered by warranty. We Charge a flat fee of \$25 for repairs.

If your INDI ESC needs repair:

1. Ship the ESC in a box, freight prepaid to:

INTEGY INC.
1140 Centre Dr #E
City of Industry CA 91789

Distributed by Integy Inc.

or you may call us at (909)444-2766 for our current street address.

Include your complete name and address information inside the box, and write address on the outer label/return address area.

2. Include a brief summary of the difficulty. Date your correspondence and be sure your name and address appear on this enclosure. Also, include a phone number where you can be reached during the day time.

To receive warranty service, you must include your original dated sales receipt to verify your proof-of-purchase date. Providing that warranty conditions have been met, your ESC will be repaired free of charge. We charge a flat fee of \$25.00 for handling, shipping & diagnostic if we can not detect any problem with the unit and the unit will only be returned via UPS GROUND C.O.D.. Should your repair cost exceed 50% of the retail purchase cost, you will be provided with an estimate advising you of your options. Any return freight for non-warranty repairs will be charged to the customer. For non-warranty repairs, please advise us of the payment method you prefer to use. Specify Visa or MasterCard, or we can return C.O.D. cash only. (C.O.D. charges are \$5.00 extra.) If you prefer to use a credit card, include your card number and expiration date.

In no case shall our liability exceed the product's original cost. We reserve the right to modify the provisions of this warranty without notice.

Because Integy Inc. has no control over the use of this product, no liability may be assumed nor will liability be accepted for any damage resulting from using this product. Every INDI product is thoroughly tested and cycled before leaving our distribution facility and is, therefore, considered operational. By the act of operating this charger, the user accepts all resulting