Firmware Ver 7.X ESC
Setup Sheet

ORCA
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Professional Powered Radio Control Model

Driver:_____ **Motor:**_____
Date:_____ **Rotor:**_____
Track:_____ **Event:**_____
Track Size ☐ Small ☐ Medium ☐ Large **Timing (Endbell):**_____
Environment ☐ Indoor ☐ Outdoor **Final Ratio:**_____
Composition ☐ Asphalt ☐ Astroturf ☐ Clay **Voltage:**_____
☐ Carpet ☐ Grass ☐ _____
Traction ☐ Low ☐ Medium ☐ High

Setup Mode ☐ Blinky ☐ Modified ☐ Open Stock ☐ Off-Road ☐ Variable PWM Mode

Quick Setup

1. Throttle Feel	_____	1 -> 5
2. Punch	_____	1 -> 15
3. Party Mode	_____	-30% -> 30%
4. PM Limiter	_____	0 -> 70%
4A. PWM	_____	2000 -> 32000Hz
5. Timing	_____	0 -> 100
6. Timing Turbo	_____	0 -> 100
7. Turbo Down Rank	_____	Fastest -> -30
8. Drag Brake	_____	0 -> 60
8A. Compress	_____	Off -> 50%
9. Brake Type	☐ Type 1	☐ Type 2

Variable Setup

1. PWM Start	_____	500Hz -> 20000Hz
2. PWM End	_____	500Hz -> 20000Hz
3. PWM Start RPM	_____	0 -> 60000rpm
4. PWM End RPM	_____	0 -> 60000rpm
5. Brake Start PWM	_____	500 -> 20000Hz
6. Brake End PWM	_____	500 -> 20000Hz
7. Brake Start RPM	_____	500 -> 60000rpm
8. Brake End RPM	_____	500 -> 60000rpm

Advance Setup

1. PWM	_____	2000 -> 32000Hz
2. Compress	_____	0% -> 50%
3. Timing Start	_____	0 -> 36000rpm
4. Timing End	_____	0 -> 50000rpm
5. Turbo Delay	_____	Off -> 0.25sec
6. Turbo Starty	_____	40% -> 100%
7. Turbo Punch	_____	-5 -> 5
8. Brake Freq.	_____	0 -> 60
9. Initial Brake	_____	0 -> 60%
10. Max Brake Force	_____	0 -> 100%

Initial Setup

1. Running Mode	☐ Fwd/Brake	☐ Fwd/Rev	☐ Fwd/Brake/Rev	☐ Fwd/Hold/Rev
2. Battery	☐ LiPo	☐ LiFe	☐ Nixx	
3. Cut-Off Voltage	☐ Off	☐ Low	☐ Middle	☐ High
4. ESC Overheat	☐ 95°	☐ 105°	☐ 120°	☐ No Protection
5. Motor Overheat	☐ 95°	☐ 105°	☐ 120°	☐ No Protection
6. Neutral Range	_____	2% -> 15%		
7. BEC Voltage	☐ 6v	☐ 7v		
8. Motor Action	☐ CCW	☐ CW		