



# Firmware Ver 5.X ESC Setup Sheet

**ORCA**<sup>®</sup>  
WWW. ORCARE.COM

Professional Powered Radio Control Model

Driver: \_\_\_\_\_ Motor: \_\_\_\_\_  
 Date: \_\_\_\_\_ Turn: \_\_\_\_\_  
 Track: \_\_\_\_\_ Rotor: \_\_\_\_\_  
 Track Size:  Small  Medium  Large Timing (Endbell): \_\_\_\_\_  
 Environment:  Indoor  Outdoor Final Gear Ratio: \_\_\_\_\_  
 Traction:  Low  Medium  High LiPo Charging Voltage: \_\_\_\_\_  
 Composition:  Asphalt  AstroTurf  Clay  Carpet

**Setup Mode:**  Blinky  \* Modified  Open Stock  Off Road  
**Quick Setup (Default)**

1. Throttle Feel _____	1 → 5	<input type="text" value="3"/>	
2. Punch _____	1 → 15	<input type="text" value="5"/>	
3. Party Mode _____	-30% → +30%	<input type="text" value="0%"/>	
4. Timing _____	Off → 100	<input type="text" value="4"/>	
5. Turbo Timing _____	Off → 100	<input type="text" value="28"/>	
6. Turbo Down Rank _____	Fastest → -30	<input type="text" value="-8"/>	(Indoor -13)
7. Drag Brake _____	1% → 30%	<input type="text" value="-8%"/>	
8. Brake Type <input type="checkbox"/> Type 1 <input type="checkbox"/> Type 2			

**Advance Setup (Default)**

1. PWM _____	2.000Hz --> 32.000Hz	<input type="text" value="8000Hz"/>
2. T (Throttle) Compress (Expo) _____	0% → 50%	<input type="text" value="0"/>
3. Timing Start _____	0% → 90%	<input type="text" value="7200rpm + 18%"/>
4. Timing End _____	0% → 50%	<input type="text" value="19000rpm+38%"/>
5. Turbo Delay _____	Off → 0.25	<input type="text" value="0.05"/>
6. Turbo Start _____	40% → 100%	<input type="text" value="92%"/>
7. Turbo Punch _____	-5 → +5	<input type="text" value="0"/>
8. Brake Freq _____	800Hz → 8000Hz	<input type="text" value="1600"/>
9. Initial Brake _____	0% → 60%	<input type="text" value="34%"/>
10. Max Brake Force _____	0% → 100%	<input type="text" value="74%"/>

**Initial Setup (\* Default)**

1. Running Mode	<input checked="" type="checkbox"/> Fwd/Brake	<input type="checkbox"/> Fwd/Rev	<input type="checkbox"/> Fwd/Brake/Rev	<input type="checkbox"/> Fwd/Hold/Rev
2. Battery	<input checked="" type="checkbox"/> LiPo	<input type="checkbox"/> LiFe	<input type="checkbox"/> Nixx	
<del>3. Cut Off Voltage</del>	<input type="checkbox"/> <del>Off</del>	<input checked="" type="checkbox"/> * Low	<input type="checkbox"/> Middle	<input type="checkbox"/> High
4. ESC Overheat	<input type="checkbox"/> 95	<input type="checkbox"/> 105	<input checked="" type="checkbox"/> * 120	<input type="checkbox"/> No Protection
5. Motor Overheat	<input type="checkbox"/> 95	<input type="checkbox"/> 105	<input checked="" type="checkbox"/> * 120	<input type="checkbox"/> No Protection
6. Neutral Range _____	2% --> 15%		(Default 6%)	
7. BEC Voltage	<input checked="" type="checkbox"/> * 6v	<input type="checkbox"/> 7v		
8. Motor Action	<input checked="" type="checkbox"/> * CCW	<input type="checkbox"/> CW		