XSCEND PRO-X SETUP SHEET

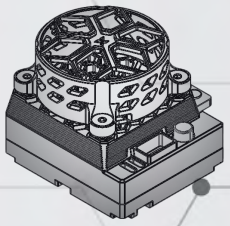
1/10 COMPETITION BRUSHLESS SPEED CONTROL | OFFICIAL SETUP SHEET

DRIVER & TRACK CONDITIONS

Driver:	Default Settings		
Date:		Track:	
Event:			
Air Temp:		Track Temp:	
Traction:		Surface:	
Tire / Compound:			

VEHICLE & POWERTRAIN SETUP

Vehicle:			
Motor:		Turn:	
Rotor:		Timing:	
Spur:		Pinion:	FDR:
Battery:		Servo:	



DATA RECORD

Max ESC Temperature:	
Max Motor Temperature:	
Min Battery Voltage:	
Max Motor RPM:	

SESSION NOTES & HANDLING OBSERVATIONS

Section	Programmable Setting Names	Parameter Values / Custom Race Settings
Throttle Settings	Throttle Response	0.1ms — Acceleration ramp / punch response rate
	Coast	0% — Forward roll inertia at neutral throttle
	Neutral Range	5.0% — Deadband trigger sensitivity width
	Initial Throttle	0.0% — Initial throttle start percentage
	Maximum Forward Force	100% — Maximum forward power limit %
	Maximum Reverse Force	100% — Maximum reverse power limit %
	RPM Limit	0 — Motor RPM limiter ceiling
	Drive Frequency Start	8.0KHz — PWM drive frequency at start (kHz)
	Drive Frequency End	8.0KHz — PWM drive frequency at end (kHz)
	Drive Frequency Start RPM	0.5Kr — PWM frequency transition start RPM
	Drive Frequency End RPM	20.0Kr — PWM frequency transition end RPM
	Throttle Curvature Profile	Custom: ☐ Preset: Linear
	10-Point Custom Throttle Curve	10% 10 / 20% 20 / 30% 30 / 40% 40 / 50% 50 / 60% 60 / 70% 70 / 80% 80 / 90% 90 / 100% 100
Brake Settings	Brake Response	0.1ms — Braking engagement ramp speed
	RPM Deceleration Control	ON: ☑ OFF: ☐ — Active motor braking deceleration torque
	Initial Brake	0.0% — Initial brake bite force percentage
	Maximum Brake Force	100% — Maximum overall braking power %
	Brake Drive Frequency	autoKHz — Brake frequency (kHz)
	Drag Brake Force	0% — Neutral off-throttle drag braking
	Drag Brake Response	1.0ms — Drag brake application ramp rate
	Drag Brake Frequency	autoKHz — Drag brake frequency (kHz)
	Brake Curvature Profile	Custom: ☐ Preset: Linear
	10-Point Custom Brake Curve	10% 10 / 20% 20 / 30% 30 / 40% 40 / 50% 50 / 60% 60 / 70% 70 / 80% 80 / 90% 90 / 100% 100
Boost Settings	Boost Timing	0deg — Electronic boost advance degrees (0-64°)
	Activation Mode	Throttle ☑ RPM ☐
	Throttle Activation Percentage	50% — Throttle trigger percentage required
	RPM Activation	10K — RPM threshold to engage boost
	Initial Boost	1.0deg — Initial boost timing punch degrees
	Boost Increase Rate	64deg — Boost timing ramp-up rate
	Boost Decrease Rate	64deg — Boost timing removal / decay rate
Turbo Settings	Turbo Timing	0deg — Full throttle top-end turbo advance degrees
	Turbo Increase Rate	64deg — Turbo timing ramp-up speed (°/0.1s)
	Turbo Decrease Rate	64deg — Turbo decay / fade rate on trigger release
	Turbo Delay	0s — Full throttle hold delay before turbo starts
General Settings	Motor Rotation	☑ CCW (Normal) ☐ CW (Reverse)
	Motor Poles	☑ 2 Pole ☐ 4 Pole
	Running Mode	☑ Forward / Brake (Race) ☐ Forward / Brake / Reverse ☐ Forward/Reverse
	Reverse Delay	0.0s — Reverse engagement delay time
	Cutoff Voltage	☐ Disabled Custom 3.3v
	Cutoff Thermal Protection	☐ Disabled ☐ 95°C / 203°F ☑ 105°C / 221°F ☐ 130°C / 266°F
	BEC Output Voltage	6v — 6v - 7.4v
	Phase A,C Swap	☑ Disabled ☐ Enabled
	Fan Mode	☑ Always On ☐ Auto Thermal ☐ Disabled