XSCEND PRO-X SETUP SHEET

1/10 COMPETITION BRUSHLESS SPEED CONTROL | OFFICIAL SETUP SHEET

DRIVER & TRACK CONDITIONS

Driver:_____ Date:_____

Track:_____ Event:_____

Air Temp:_____ Track Temp:_____

Composition: ☐ Astroturf ☐ Carpet ☐ Clay/Dirt ☐ Grass ☐ _____

Layout: ☐ Tight ☐ Mixed ☐ Open Surface: ☐ Smooth ☐ Bumpy

Traction: Low ☐ ☐ ☐ ☐ ☐ High

Tire Compound:_____

DATA RECORD

Max ESC Temperature:_____

Max Motor Temperature:_____

Min Battery Voltage:_____

Max Motor RPM:_____

VEHICLE & POWERTRAIN SETUP

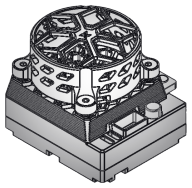
Vehicle:_____

Motor:_____ Timing:_____ Rotor:_____

Spur:_____ Pinion:_____ FDR:_____

Battery:_____

Servo:_____



SESSION NOTES & HANDLING OBSERVATIONS

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