AE RC10 SC6.4

Setup: 2025 Winter Series Round 1 Setup Sheet · Daniel Mattes (Superior RC) · Mar 14, 2025

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EVENT	
Event	2025 Winter Series Round 1
Class	Short Course

TRACK	
Track	RC Plus
Type	Indoor carpet
Grip / moisture	High / Dry
Surface / layout	Smooth / Tight
Air temp	70°F (21°C)
Track temp	75°F (24°C)

RESULTS	
Race type	Qualifier
Finish	2nd
Best lap	13.031 s
Average lap	13.764 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	1 mm
Steering arm	+1mm
Anti-roll bar	1.7
Arms	T6.1
Axle height	3 mm
Bulkhead	Plastic
Bulkhead orientation	-2.5 degrees
Bump steer: outer steering link shims	0 mm
Camber	-2
CAMBER LINK	
Inner location	1 - Inside
Inner shims	1 mm
Outer location	A - Inside
Caster block insert	0 degrees
Ride height	17 mm
SHOCKS	
Arm mounts	C - Outside
Tower mounts	2 - Middle
Steering bellcrank orientation	High
Steering stop shims	0 mm
Toe	0 degrees
Tower	PBR Buggy Towers
Track: wheel hexes	8.5 mm
Trail: steering blocks	4 mm
Wheelbase: caster block shims	1 mm

TIRES

	FRONT	REAR
Tire brand / type	Jconcepts Swaggers	Jconcepts Fuzzbites
Tire compound	?	?
Tire inserts	Stock	Stock
Wheel brand / type	Jconcepts	Jconcepts

REAR SUSPENSION

Anti-roll bar	1.9
Arms	Kit
Axle height: hub inserts	0 (0/3 up)
C mount	Wide
C mount inserts	1 out
Camber	-3 degrees
CAMBER LINK	
Inner location	2 - Middle
Inner shims	2 mm
Outer mount shims	2 mm
Outer shims	3
D mount	Wide
D mount inserts	1 down and in
Differential height	3 mm
Hubs	Aluminum FT
Ride height	17 mm
Shock location	Front of arm
SHOCKS	
Arm mounts	D - Outside
Tower mounts	3 - Outside
Tower	PBR Rear Tower
Track: wheel hexes	7mm
Wheelbase: hub shims	Back

NOTES Using SC6.2 rear.

BODY & CHASSIS

Battery position	Front hole / 4
Body	Kit
FLEX	
Chassis	SC6.4
Chassis side rails	Std
Weights: other	11g Chassis weight g

SHOCKS

	FRONT	REAR
Cup offset	9 mm	Core RC cups mm
Eyelet length	+2 mm	+4 mm
Limiters - int/ext	0 / 0 mm	0 / 0 mm
Oil weight	56.25wt	50 wt
Pistons	2mm 2x1.6mm holes	2mm 2x1.7mm holes
Springs	Buggy Orange	Core RC Buggy Blue
Stroke	24 mm	30 mm
Shock oil brand	1up Racing Front, Team Associated Rear	

NOTES Buggy shock conversion

DRIVETRAIN

Clutch pads	0
Clutch tightness	Direct Drive
Clutch type	Direct drive
Differential fluid	80,000 cst
Differential fluid brand	1up Racing
Differential mass	? g
Differential type	Gear
Drive ratio - final	?
Drive ratio - internal	2.60
Driveshafts	91mm CVD
Pinion	19 teeth
Spur	81 teeth
Transmission gears	3
Transmission orientation	Laydown

ELECTRONICS

Battery brand	**Paramount Performance Batteries**
Battery C rating	**120 C**
Battery capacity	**5500 mAh**
Battery model	**LiHV**
ESC brand	**Muchmore**
ESC model	**Fleta Pro V2**
ESC settings	**Punch and brake at maximum.**
Motor brand	**R1 Wurks**
Motor Kv constant	**Unknown Kv**
Motor model	**V21-S**
Motor timing	**55 degrees**
Motor wind	**13.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA brake	**100 %**
Radio EPA throttle	**100 %**
Radio model	**MT-44**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**RX-482**
Servo brand	**Savox**
Servo model	**Monster/SB-22925G**

NOTES Charging at 40 amps with it charging each cell at 4.29 volts.