PR Racing B10R

Setup: Wet Oct 2025 · Kemal H · Oct 26, 2025

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TRACK

Track	Mendip RC Raceway
Type	Outdoor astroturf
Grip / moisture	Low / Wet/Dusty
Surface / layout	Bumpy / Medium
Air temp	10°C (50°F)

RESULTS

Best lap	23.42 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	0 mm
Outer steering link location	In
Steering arms	Kit
Anti-roll bar	0 mm
Arms	Gull
Axle height	Small bushing
Bellcrank arm	Kit
Bump steer: outer steering link shims	1 mm
Camber	-1.5 degrees
CAMBER LINK	
Inner	In
Inner shims	0 mm
Outer	In
Caster: hub carriers	3 degrees
Kick-up: arm mount	66480536 7-deg Brass +5mm 63g
Ride height	16.5 mm
SHOCKS	
Arm mounts	Out
Tower mounts	Mid
Steering blocks	-1mm Alum
Toe	+1.0 degrees
Track: axle shims	1mm in
Wheelbase: hub shims	2 mm

NOTES Steel axles

ELECTRONICS

Battery brand	Intellect Pioneering
Battery C rating	120 C
Battery capacity	4800 mAh
Battery model	iP 4800 120C 7.6v
ESC brand	Hobbywing
ESC model	G3S
ESC settings	No turbo/boost Initial thr force 1 Thr rate control 18 PWM 32k
Motor brand	Hobbywing
Motor model	Xerun V10 8.5T G3
Radio brand	Flysky
Radio model	Noble NB4+
Receiver brand	Flysky
Receiver model	FGR4D
Servo brand	SRT
Servo model	BHX6 HV iBUS2

REAR SUSPENSION

Anti-roll bar	1.3 mm
Arms	Medium
Camber	-1.5 degrees
CAMBER LINK	
Inner	Front
Inner shims	0 mm
Outer	Out / mid
Outer shims	0 mm
Differential height	Low
Hub inserts	Center
RF mount inserts	In
RR mount inserts	Out
RR mount orientation	Down
SHOCKS	
Arm mounts	Mid
Tower mounts	Mid
Tower location	Front
Track: wheel hexes	+0 mm
WHEELBASE	
Arm shims	1.1 mm
Hub shims	1 mm

NOTES 3.44 rear toe in

BODY & CHASSIS

	FRONT	REAR
Wing	B10	1mm
Body	B10R	
FLEX		
Chassis	3mm	
Chassis stiffeners	Front corner - brass, Sides - alum, T-plate - alum	
Motor protector plate	Soft	
Rear wing angle	Standard	
Rear wing mount shim	No	

SHOCKS

	FRONT	REAR
Interior shim	0.1 mm	0.1 mm
Limiters - ext	0 mm	1.5 mm
Limiters - int	1 mm	3 mm
O-rings	Transparent	Transparent
Oil weight	400 cst	300 cst
Pistons	3 x 1.5mm machined	3 x 1.6
Shock bodies	12.8 mm	12.8 mm
Springs	Black 4.48lb	Green 3.00lb
Stroke	21 mm	24.5 mm
Shock oil brand	Tamiya front, YR rear	

DRIVETRAIN

Clutch pads	11mm
Differential fluid	5,000
Differential fluid brand	CORE-RC
Differential mass	21.5 g
Differential type	B10R Ball
Drive ratio - final	9.17
Drive ratio - internal	2.62
Driveshafts	68mm CVD
Pinion	22 teeth
Spur	77 teeth

TIRES

	FRONT	REAR
Tire brand / type	Schumacher Splinter	Schumacher Mezzo
Tire compound	Silver	Silver
Tire insert	None	Soft
Wheel brand / type	JConcepts	JConcepts
Front tire counterweight ring	No	

ESC SETTINGS

Boost: Timing	0 degrees
THROTTLE	
Initial strength	5 %
Strength	100
Turbo: Timing	20 degrees