MWX Formula R.1

Setup: 2025 PNWC worlds · MWX Performance (MWX Performance) · Nov 11, 2025

so dialed
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EVENT	
Event	PNWC worlds
Class	Formula 1

TRACK	
Track	5280 raceway
Type	Indoor rcp foam
Grip / moisture	High
Surface / layout	Medium / Medium

RESULTS	
Best lap	11.60 s
Average lap	98 s

FRONT SUSPENSION

Ackermann: servo position	Rear
Camber plate	0-0 degrees
Ride height	1.8 mm
Steering block shims - bottom	0 mm
Steering block shims - top	1.7 mm
Toe	-2.5 degrees
Toe: link length	25.0 mm
UPPER ARMS	
Front shims	.5 mm
Rear shims	.5 mm

NOTES V3 knuckles with 1u gold grease.
0 shim bumpsteer

BODY & CHASSIS

Battery position	Rear
Chassis	Aluminum

ESC SETTINGS

BOOST	
Activation	Throttle
Ramp	15
Timing	30 degrees
BRAKE	
Drag	0 %
Frequency	12,000 kHz
THROTTLE	
Frequency	1000 kHz
Initial strength	16 %
Neutral range	3 %
TURBO	
Activation method	WOT
Delay	Instant seconds
Ramp	1
Timing	5 degrees

REAR SUSPENSION

Center pivot	Kit
Droop	1 mm
FPM roll center	N/A mm
Ride height	1.9 mm
Ride height: axle carrier shims	2 shims per side mm

DRIVETRAIN

Axle	Kit
Differential balls	Slipper rollers
Differential lube	Dry
Differential tightness	Super tight almost locked up
Differential type	Slipper
Spur	53 teeth

NOTES Most were running spools. I didn't care for it being fully locked so I backed it up just enough from being full lock

ELECTRONICS

Battery brand	MWX
Battery capacity	480 mAh
Battery model	Big block v2
ESC brand	Mwx
ESC model	LF
ESC settings	30° boost 5° turbo
Servo brand	Mwx

NOTES 3 amp charge 4 discharge

SHOCKS

Center shock fluid	1up gold
CENTER SHOCK	
Front shims	1.7 mm
Rear shims	1.5 mm
Center spring pre-load	Chassis and pod even mm
CENTER SPRING	
Compression	Pink
Droop	Purple
Front kingpin fluid	1up gold
Front spring pre-load	Zero mm
Front springs	Black
Side shock fluid	1up Gold
Side shock pre-load	0 mm
Side shock shims - in/out	1mm
Side springs	Blue

TIRES

	FRONT	REAR
Tire adhesive	Glue	Glue
Tire brand / type	Marka	Marka
Tire diameter	21.3 mm	24.9 mm
Wheel brand / type	PN	PN
Wheel offset	0 mm	0 mm

NOTES Side wall glue
Outside lip on front wheels cut to match inside lip