Serpent Medius X20 '21

Setup: My Base Setup Asphalt · Mirco Thalheimer (Serpent) · Sep 8, 2021

so dialed
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TRACK

Track	Arena33 Andernach
Type	Outdoor asphalt
Grip / moisture	Medium / Dry
Surface / layout	Smooth / Open
Air temp	27.5°C (82°F)
Track temp	50°C (122°F)

FRONT SUSPENSION

Ackermann: inner steering link spacers	1 mm
Anti-roll bar	1.2mm 2 stripe
Axle height	High
Bumpsteer: outer steering link spacers	0 mm
Camber	-2.25 degrees
Caster: upper arms spacers - F/R	3/2 mm
Differential height	High
Downstop	3.0 mm
FF pivot spacers	1.0 mm
FR pivot spacers	1.5 mm
Lower arm stiffeners	None
Ride height	4.8 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3 - Mid-out
Steering rack spacers	3 mm
Toe	+1 degrees
Track	186 mm
Track: wheel hexes	4.5mm Yokomo
UPPER ARMS	
Inner mount inserts	Inside
Inner mount spacers	6 mm
Outer mount spacers	4 mm

ELECTRONICS

Battery brand	Intellect Pioneering
Battery capacity	7600 mAh
ESC brand	ORCA
ESC model	ETS
Motor brand	ORCA
Motor model	ETS
Motor wind	17.5 turns
Radio EPA steering	100 %

REAR SUSPENSION

Anti-roll bar	1.3mm 3 stripe
Camber	-2 degrees
Caster: upper arm spacers - F/R	4/1 mm
Differential height	High
Downstop	2.2 mm
Lower arm stiffeners	None
RF pivot spacers	2.0 mm
Ride height	5.0 mm
RR pivot spacers	2.0 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	4 - Mid-out
Toe	2.5 degrees
TOE LINK	
Inner stud spacers	0 mm
Outer stud location	A - Inside
Outer stud spacers	1.5 mm
Track	184 mm
Track: wheel hexes	4.5mm Yokomo
UPPER ARMS	
Inner mount inserts	Inside
Inner mount spacers	4 mm

BODY & CHASSIS

Battery position	Front
Body	Xtreme Brutale 0.7
Flex: chassis	Carbon 2.25mm

SHOCKS

	FRONT	REAR
Oil weight	450 cst	450 cst
Pistons	4 hole	4 hole
Rebound	0 %	0 %
Springs	Xray 2.3-2.6	Xray 2.7
Stroke	10.5 mm	10.5 mm
Shock oil brand	Arrowmax	

DIFFERENTIALS

	FRONT	REAR
Diff type	Spool	Gear
Diff fluid	–	8,000 cst
Diff mass	–	11.4 g
Diff fluid brand	Arrowmax	

DRIVETRAIN

Belts	Low friction
Drive ratio - final	4.5
Drive ratio - internal	2.0
Driveshafts - front	DJC BB
Driveshafts - rear	X20 CVD Aluminium
Gear pitch	64
Pinion	28 teeth
Spur	100 teeth

TIRES

	FRONT	REAR
Tire brand / type	Matrix 36 ETS	–