Xpress ARROW AT1

Setup: MOD - base for nationals · Mark Raddenbury (Speedrc.co.uk) · Jun 8, 2023

so dialed
Open/save in RC Setup App →

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EVENT

Event	Nationals Round 2
Class	Modified TC

TRACK

Track	Eastbourne
Type	Outdoor asphalt
Grip / moisture	Medium/Low / Dry/Dusty
Surface / layout	Medium/Bumpy / Tight/Open

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	0 mm
Outer steering link location	1 - Outside
Servo saver inserts	8 mm
Anti-roll bar	1.3 mm
Arms	Medium
Bump steer: outer steering link shims	4 mm
C-Hubs	Medium
Camber	-2 degrees
Camber link plate	46 mm
CAMBER LINK	
Inner mount shims	0 mm
Inner shims	3 mm
Outer shims	1 mm
Downstop	5.4 mm
FF mount	Aluminum
FF mount inserts	0.5 up
FF mount shims	0 mm
FR mount	Split aluminum
FR mount inserts	0.5 up
FR mount shims	0 mm
Ride height	5.5 mm
Servo saver stud shims	3 mm
SHOCKS	
Arm mount shims	2 mm
Tower mount shims	3 mm
Steering blocks	Hard
Toe	-1.5 degrees
Track: wheel hexes	5 mm
Wheelbase: arm shims - F/R	1 / 1 mm

ELECTRONICS

Battery brand	LRP
Battery capacity	5200 mAh
Battery model	LCG - Modified
ESC brand	Hobbywing
ESC model	G3
Motor brand	Hobbywing
Motor model	G3
Motor timing	20° degrees
Motor wind	5 turns
Radio brand	Futaba
Steering servo brand	Ludicrous

REAR SUSPENSION

Anti-roll bar	1.2 mm
Arms	Medium
Camber	-2 degrees
Camber link plate	38 mm
CAMBER LINK	
Inner mount shims	0 mm
Inner shims	3 mm
Outer location	Inside
Outer shims	1 mm
Downstop	4.6 mm
Hubs	Hard
RF mount	Aluminum
RF mount inserts	1 up
RF mount shims	0 mm
Ride height	6 mm
RR mount	Split aluminum
RR mount inserts	1 up
RR mount shims	0 mm
SHOCKS	
Arm mount shims	0 mm
Tower mount shims	2.5 mm
Toe	3 degrees
Track: wheel hexes	5 mm
Wheelbase: arm shims - F/R	2 / 5 mm

NOTES OPCS - Set to gain 0.5°

BODY & CHASSIS

Battery position	Standard
Body	Bittydesign Eptron
Body mounting	2mm forward
FLEX	
Chassis	2.25mm Graphite
Upper deck	2mm Graphite
Screws & turnbuckles	Alloy lower screws Kit upper
Weight: total	1325 g
Weights	10g in nose

SHOCKS

	FRONT	REAR
Foam inserts	No	No
Hole in caps	Yes	Yes
Oil weight	350 cst	350 cst
Pistons	2-hole	2-hole
Rebound	0 %	0 %
Springs	Pink hard	2.1
Stroke	10.1 mm	10.1 mm
Shock oil brand	RC race prep	

DIFFERENTIALS

	FRONT	REAR
Diff type	Spool	Gear
Diff fluid	–	5,000 cst
Diff fluid mass	–	1.1 g
Diff fluid brand	RC race prep	

DRIVETRAIN

Drive ratio - final	7.69
Drive ratio - internal	2.353
Driveshafts - front	Universal Double Joint
Driveshafts - rear	41mm Universal
Front drive type	Spool
Gear pitch	48
Pinion	22 teeth
Spur	72 teeth

TIRES

	FRONT	REAR
Tire additive area	In, Mid-in, Mid-out, Out	In, Mid-in, Mid-out, Out
Tire brand / type	Rush	Rush
Tire compound	36	36
Tire additive	Spider grip red	
Tire prep	Clean with additive - wipe off 10 min additive - air dry 10 min additive - warmers +20°c track temp	

ESC SETTINGS

BOOST

Activation	**RPM**
RPM End	**22000 rpm**
RPM Start	**12000 rpm**
Timing	**10 degrees**

BRAKE

Drag	**11 %**
Frequency	**4 kHz**
Initial strength	**Drag %**
Strength	**87.5**

THROTTLE

Frequency	**12 kHz**
Strength	**12**

TURBO

Delay	**0.15 seconds**
Ramp	**24/s**
Timing	**40 degrees**