XRAY XB4C '21

Setup: Summer cup, XB4C, Skarpnäck, 05-2023 · Christian Riedel · Jun 2, 2023

so dialed
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EVENT

Event	Summer cup 1/10 #2 2023
Class	4wd

TRACK

Track	Blue Hill, Skarpnäck, Stockholm
Type	Outdoor astroturf
Grip / moisture	High / Dry
Surface / layout	Medium / Medium/Open
Air temp	20°C (68°F)
Track temp	20°C (68°F)

RESULTS

Race type	Main
Race number	A
Finish	9th
Best lap	22.238 s
Average lap	25.471 s

FRONT SUSPENSION

Anti-roll bar	1.8mm
Arms	Hard
Axle height: steering block spacers	Low
Camber	-1.5 degrees
CAMBER LINK	
Inner stud location	1 - Bottom
Outer stud spacers	4 mm
Differential height	1 dot up - high
FF mount inserts	1 up and out
FR mount inserts	1 out
Hub carrier (C-Hub)	12 deg Aluminum (#362234 / 44)
Ride height	16 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	2 - Mid-in
Steering blocks	Hard
Steering center link	Composite
Steering link stud spacers - inner/outer	2 / 4 mm
Steering link: inner stud location	1 - Back
Steering plate	Kit
Toe	-1 degrees
Tower	PL-103 graphite 4mm
Track: wheel hexes	0 slots 0mm
Wheelbase: arm spacers	Short (arm back)

NOTES Servo Saver: 2 mm (very tight)

TIRES

	FRONT	REAR
Tire brand / type	Schumacher wide stagger rib	Schumacher Mezzo
Tire compound	Yellow	Yellow
Tire insert	Schumacher open-cell medium	Open-cell medium, Schumacher tubby
Wheel brand / type	Xray	Xray

REAR SUSPENSION

Anti-roll bar	1.6mm
Arms	Hard (#363112-H / 122-H)
Camber	-1.5 degrees
CAMBER LINK	
Inner stud location	3 - Top
Outer stud location	Kit mount (1 hole)
Outer stud mount orientation	Protrusion outward
Outer stud mount spacers	2 mm
Outer stud spacers	2 mm
Differential height	2 dots down
Hub	Aluminum
Hub inserts (track/axle height)	1 down and out
RF mount inserts	1 up
RF/RR mount orientation	Up
Ride height	16 mm
RR mount inserts	1 down and out
SHOCKS	
Arm mounting hole	A - Inside
Tower mounting hole	3 - Mid-out
Tower	Graphite
Track: wheel hexes	+2.0mm
WHEELBASE	
Arm spacers	Front 2mm / rear 0mm - long
Hub spacers	Front 3mm / rear 0mm - long

BODY & CHASSIS

	FRONT	REAR
Wing	–	Tec

Battery position	Front
Body	Gamma 4C 0.75mm
Central bulkhead	Composite
Chassis	2mm
Chassis brace - front	Hard with graphite
Chassis brace - front screws	1 - Front, 2, 3
Chassis brace - rear	Hard with graphite
Chassis brace - rear screws	1 - Front, 2, 3, 4
Chassis side guards	Hard
Rear wing position	Middle
Rear wing side dam trim	High
Rear wing trim line	2
Weight: total	1643 g

SHOCKS

	FRONT	REAR
Caps	Kit	Kit
Limiters - int/ext	0 / 2 mm	0 / 0 mm
Oil weight	800 cst	650 cst
Pistons	2 x 1.6mm	2 x 1.8mm
Rebound	0 %	0 %
Springs	42mm Linear 5 dot	57mm Linear 3 dot
Stroke	22 mm	29 mm

Front spring cups	Standard
Rear spring collars	Standard
Shock oil brand	Team Corally

DIFFERENTIALS

	FRONT	REAR
Diff crown gear	40T	40T
Diff fluid	10,000 cst	7,500 cst
Diff gears	Steel	Steel
Diff mass	21.58 g	21.58 g
Diff type	Composite	Composite

Diff fluid brand	Team Corally

DRIVETRAIN

Drive ratio - internal	2.5
Drive type	Slipper
Driveshafts - front	83mm CVD
Driveshafts - rear	75mm
Pinion	22 teeth
Slipper clutch pads	Front: 2 x Yellow, Rear: 1 x Black, no lock pin
Slipper clutch tightness	0.8 mm
Spur	81 teeth

ELECTRONICS

Battery brand	**Gens Ace**
Battery C rating	**120**
Battery capacity	**5500 mAh**
Battery model	**RS 120C full size shorty**
ESC brand	**Hobbywing**
ESC model	**XR10 Pro G2**
ESC settings	**See dedicated section**
Motor brand	**Surpass**
Motor model	**Rocket V5R #1**
Motor wind	**5.5 turns**
Radio brand	**Sanwa/Airtronics**
Radio EPA steering	**100 %**
Radio EPA throttle	**100 %**
Radio model	**Mt44**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**RX482**
Servo brand	**SRT**
Servo model	**CH7015**
Transponder ID	**8970684**

NOTES Additional radio settings: brakes DR 90%, steering EXP -15%

Motor is my Surpass V5R 5.5T #1.

Servo Saver tightened all the way.

ESC SETTINGS

BOOST

Activation	**rpm**
RPM End	**22500 rpm**
RPM Start	**6000 rpm**
Timing	**8 degrees**

BRAKE

Curve	**linear**
Drag	**4 %**
Frequency	**1 kHz**
Initial strength	**Drag %**
Strength	**50**

THROTTLE

Curve	**Linear**
Frequency	**2 kHz**
Neutral range	**6 %**

TURBO

Activation method	**Full Throttle**
Delay	**0.3 seconds**
Ramp	**Increase: 12 deg/0,1 s Decrease: 24 deg/0,1 s**
Timing	**30 degrees**

NOTES Running mode: forward/brake Max reverse force: 25%
Cutoff voltage: auto (3.5 V per cell)
ESC thermal protection: 105°C
Motor thermal protection: 105°C
BEC voltage: 7.4 V
Remote off: disabled
Sensor mode: full sensored
Motor rotation: CCW
Throttle control: 22
Coast: 0%
Softening value: 0
Softening range: 0
Brake rate control: 20
Brake control: linear