XRAY XB2C '21

Setup: Summer cup, XB2C, Skarpnäck, 05-2023 · Christian Riedel · May 20, 2023

so dialed
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EVENT

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

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	B
Finish	6th
Best lap	23.402 s
Average lap	26.911 s

FRONT SUSPENSION

Anti-roll bar	None
Arms	LSM Hard (#322113-H / 23-H)
Axle height: steering block spacers	High axle / low spacer
Camber	-1.5 degrees
CAMBER LINK	
Inner stud location	Alum holder 4 - Outside
Inner stud spacers	2 mm
Outer stud location	A - Inside
Caster: hub carrier inserts	5 degrees
Hub carrier (C-Hub)	Hard (#322210-H / 220-H)
Kick-up: suspension mount	Aluminum 26 deg
Ride height	17 mm
Roll center holder	Aluminum
Servo horn stud spacers	6 mm
SHOCKS	
Arm mounting hole	B - Outside
Tower mounting hole	3 - Mid-out
Steering block arms	3 slots
Steering blocks	Hard
STEERING LINK	
Inner stud spacers	2 mm
Outer stud spacers	2 mm
Steering plate orientation	Ball studs forward (carpet)
Toe	-0.5 degrees
Tower	Graphite 3.5mm 4-hole
Track: wheel hexes	0 slots 0mm
Wheelbase: hub carrier spacers - front	1 mm

NOTES Spacer between servo arm and steering knuckles: 4 mm
Servo horn: TLR 1557

REAR SUSPENSION

Anti-roll bar	None
Arms	Hard (#363112-H / 122-H)
Camber	-1.5 degrees
CAMBER LINK	
Inner stud location	Alum mount / 3 - Outside
Inner stud spacers	2 mm
Outer stud location	Kit mount - Outside
Outer stud mount spacers	2 mm
Outer stud spacers	2 mm
Differential height	1 dot down
Hub	Aluminum
Hub inserts (track/axle height)	1 down and out
RF mount inserts	1 in
Ride height	17 mm
Roll center holder	Aluminum
RR mount inserts	1 down and out
Shock location	Front of arm
SHOCKS	
Arm mounting hole	2 hole arm / A - Inside
Tower mounting hole	3 - Mid-out
Tower	Graphite LCG 4mm 4-hole
Track: wheel hexes	6 slots +4.5mm
WHEELBASE	
Arm spacers - rear	2 mm
Hub spacers - rear	3 mm

TIRES

	FRONT	REAR
Tire brand / type	Schumacher cut stagger lp	Schumacher Mezzo
Tire compound	Yellow	Yellow
Tire insert	None	Open-cell medium, Schumacher tubby
Wheel brand / type	Xray 2wd, cut to slim	Xray

SHOCKS

	FRONT	REAR
Caps	Kit	Kit
Collars	Standard	Standard
Limiters - int/ext	0 / 4 mm	0 / 0 mm
Oil weight	500 cst	450 cst
Pistons	2 x 1.6mm	2 x 1.8mm
Rebound	0 %	0 %
Springs	42mm Linear 4 dot	55mm Progressive 2 dot
Stroke	24 mm	29 mm
Shock oil brand	Team Corally	

NOTES Excentric ball ends:
+2mm eyelet
Front - spacer rearward
Rear - spacer rearward

DRIVETRAIN

Differential fluid	3,000 cst
Differential fluid brand	Team corally
Differential mass	22.25 g
Differential type	Active - 60 degree
Drive type	Slipper
Driveshafts	75mm
Gearbox	Front motor LCG composite
Pinion	24 teeth
Slipper clutch pads	3
Slipper clutch tightness	0.5 mm
Spur	78 teeth

BODY & CHASSIS

	FRONT	REAR
Wing	None	v2 1.5mm
Battery position	Front	
Body	Gamma 2C 0.75mm	
Chassis	Mid	
Chassls flex screws	1 - Front, 2, 3, 4, 5	
Rear wing mount position	Top	
Rear wing trim	Cutting line: 2, side line: high	
Servo position	2 - Middle	
Upper brace	LCG Composite	
WEIGHT		
Battery	55g	
Servo	10 g	

NOTES Flex screws in graphite braces: rear and middle removed.

ELECTRONICS

Battery brand	**Intellect Pioneering**
Battery C rating	**120**
Battery capacity	**4800 mAh**
Battery model	**Platinum series 120C low profile shorty**
ESC brand	**Hobbywing**
ESC model	**XeRun XR10 PRO G2**
ESC settings	**See dedicated section.**
Motor brand	**Hobbywing**
Motor model	**XeRun V10 G2**
Motor wind	**6.5 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	**3538321**

NOTES Additional radio settings: Brakes DR 80%

ESC SETTINGS

BOOST

Activation	**rpm**
RPM End	**22500 rpm**
RPM Start	**6000 rpm**
Timing	**16 degrees**

BRAKE

Curve	**Linear**
Drag	**4 %**
Frequency	**1 kHz**
Initial strength	**Drag %**
Strength	**95 %**

THROTTLE

Curve	**Linear**
Frequency	**4 kHz**
Neutral range	**6 %**

TURBO

Activation method	**Full throttle**
Delay	**0.3 seconds**
Ramp	**Increase rate 12 deg/0.1 s, decrease rate 24 deg/0.1 s**
Timing	**25 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