AE DC10

Setup: Scale Science Polished Concrete Base Setup · Carbon BlueZZ · Sep 5, 2026

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EVENT	
Event	Open Practice

TRACK	
Track	Scale Science
Type	Indoor concrete
Grip / moisture	Low / Dry
Surface / layout	Smooth / Tight
Air temp	70°F (21°C)
Track temp	50°F (10°C)

FRONT SUSPENSION

A mount shims	0.5 mm
Ackermann: inner steering link location	Mid-front
Arm length shims	6.5 mm
Axle height: hub shims	0 mm
B mount shims	0 mm
BUMP STEER	
Inner steering link shims	0 mm
Outer steering link shims	0 mm
Steering rack shims	1 x A, 1 x B
Camber	-6 degrees
CAMBER LINK	
Inner location	Down & in
Outer shims	2 mm
Caster	6 degrees
Caster: upper arm shims - F/R	2/3 mm
Ride height	8 mm
Servo horn insert	Alu horn, 21mm
SHOCKS	
Arm mounts	In
Tower mounts	Mid
Toe	3 degrees
Tower	Kit
Track: wheel hexes	Kit mm
Wheelbase: arm shims - F/R	3/1 Short mm

NOTES Kit knuckles, upper and lower link mounts in high scrub setting w/ no KPI shim

REAR SUSPENSION

Arms	Kit
C mount shims	0 mm
Camber	-3 degrees
CAMBER LINK	
Inner location	Mid-down / in
Outer shims	2 mm
D mount shims	0.5 mm
Hubs	Kit
Ride height	6 mm
SHOCKS	
Arm mounts	Out
Tower mounts	Mid
Toe: D mount inserts	-0.5 degrees
Tower	Kit
Track: wheel hexes	Kit mm
Wheelbase: arm shims - F/R	2/4 Short mm

TIRES

	FRONT	REAR
Tire brand / type	DS Racing	DS Racing
Tire compound	LF-3	LF-3
Tire insert	Oring	Oring
Wheel brand / type	Yokomo/Racing Performer	Yokomo/Racing Performer

NOTES 6mm offset

SHOCKS

	FRONT	REAR
Oil weight	10 wt	10 wt
Pistons	4 x 1.06mm	4 x 1.06mm
Springs	Hard Yellow	Medium-soft Blue
Shock oil brand	Team Associated	

DRIVETRAIN

Differential fluid	AE Silicone Grease
Differential type	Gear - metal
Drive ratio - final	13.47
Drive ratio - internal	2.6
Driveshafts	49mm CVA
Pinion	17 teeth
Spur	88 teeth

BODY & CHASSIS

Battery position	Full rear
Body	HPI Toyota Celica 7440
Electronics layout	Rear mount ESC (kit), rear position servo (kit), high motor and gyro on top deck
FLEX	
Chassis	Carbon fiber
Top deck	High motor
Motor mount	High
Rear wing	Killerbody BRZ
Screws & turnbuckles	Alu screws and turnbuckles
Weight balance - F/R	34/66 %
Weight: total	1273 w/o body g

ELECTRONICS

Battery brand	**ProTek**
Battery capacity	**4800 mAh**
Battery model	**LiHV LCG Shorty**
ESC brand	**Hobbywing**
ESC model	**XD10 Pro**
Motor brand	**Hobbywing**
Motor model	**D10**
Motor timing	**35 degrees**
Motor wind	**10.5 turns**
Radio brand	**Futaba**
Radio model	**T4PX**
Receiver brand	**Futaba**
Servo brand	**Yokomo**
Servo model	**SP-03D WC**
Servo settings	**Factory**

NOTES Servo Settings
Power: 80
Torque: 14
AntiShake: 58
Neutral Width: 11
Reverse: On

ESC SETTINGS

BOOST

Activation	**RPM**
Ramp	**Instant**
RPM End	**20000 rpm**
RPM Start	**10000 rpm**
Timing	**0 degrees**

BRAKE

Curve	**Linear**
Drag	**10 %**
Frequency	**16 kHz**
Initial strength	**Drag brake %**
Strength	**100**
Race mode	**Forward/Reverse w/ Brake**

THROTTLE

Curve	**Linear**
Frequency	**24 kHz**
Initial strength	**1 %**
Neutral range	**5 %**
Strength	**20**

TURBO

Activation method	**Full Throttle**
Delay	**Instant seconds**
Ramp	**Maximum**
Timing	**14 degrees**