



Axial® Wraith™ 1.9 1/10 Scale Electric 4WD RTR

AXI90074T1/T2



Axial® enthusiasts have come up with several scratch-built methods to give Wraith 2.2 rigs smaller wheels for closer-to-scale proportions. The Wraith 1.9 RTR, however, is the first and only one created by Axial designers specifically to deliver Wraith technical rock crawling capability while running on 1.9 wheels and tires. This vehicle expertly merges the original Wraith full tube chassis with the AR44™ axles and AX10™ transmission of the SCX10™. Further adjustments, such as reducing skid plate and lower rail size, increase ground clearance enough to power over rocks, sand, mud, and any other kind of backyard terrain. The Axial® Wraith™ 1.9 is a new, 1/10 scale, ready-to-run platform that delivers it all — with the exciting scale looks you want!

TARGET CUSTOMERS

The Axial® Wraith™ 1.9 4x4 is a new, 1/10 scale, ready-to-run platform that delivers it all — technical rock crawling prowess and detailed scale looks. Take the wheel and take command over mud, rocks, sand, and through any kind of backyard terrain!



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At its foundation is the first full tube frame chassis in RC, providing the durability you need for fast action on tough terrain. Refining the proven 2.2 Wraith chassis design, Axial improved the ground clearance for this version by reducing the size of its skid plate and lower rails. Boat sides on the skid plate improve handling by helping the vehicle slip through and past obstacles.

Your battery mounts at the front of the chassis, for easy access and to provide the best weight distribution for aggressive climbing. For scale looks, Axial moved the servo off the top of the axle and onto the chassis — just as a full-size truck has its steering box located on the frame.

The Wraith 1.9 truck's drivetrain uses a powerful brushed 540 motor to turn its proven front and rear, single piece AR44™ axles. The pinion gear is 6mm above center, raising the ground clearance and improving driveshaft angles. Axial boosts the overall strength with metal gear construction; large, flex-reducing load bearings; increased gear surface contact; and a gear ratio that's optimized to reduce torque twist.

Adjustable oil-filled, coil over shocks allow you to tune dampening for the best handling on any track. Molded from durable S30 compound, the officially licensed Nitto Grappler tires have a large block tread that gets excellent bite on a wide range of surfaces.

The Wraith 1.9 truck looks ready to climb mountains even when it's standing still. At the front end of its polycarbonate body you'll find a molded plastic grille, radiator detail, and two large, LED-equipped headlights. Raise the hood and you'll see a replica V8 engine tucked in front of the chassis battery mount. That V8 isn't just for show. It's also a rugged receiver box that guards the model's Spektrum™ SRX200 receiver from water, dust, and debris.

The Axial Wraith 1.9 RTR comes factory-assembled and requires only a battery pack with IC3™ connector, compatible battery charger, and four AAs for the included Spektrum 2.4GHz transmitter. It's easy enough for new RC hobbyists, with the design sophistication to take experienced drivers on incredible adventures far beyond the end of the road.



KEY PRODUCT FEATURES



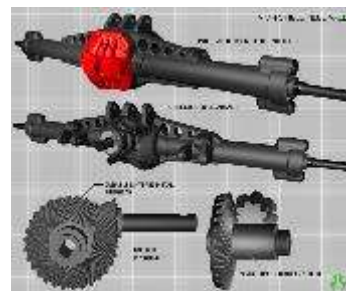
TUBE CHASSIS & FORWARD MOUNTED LOW CG BATTERY TRAY

The foundation of the Wraith™ 1.9 platform is this new, full tube frame chassis with the durability you'll need for fast action on, up and over the rocks. The chassis places your battery in front, allowing easy access and providing the perfect weight distribution for aggressive climbing.



4-LINK REAR SUSPENSION

The suspension geometry utilizes a 4-Link design for the rear which is optimized to reduce axle steer and torque twist. It also helps with steep off-camber climbs by having the proper amount of anti-squat and roll characteristics.



AR44 SINGLE PIECE AXLE

The pinion gear is 6mm above center, this allows for added ground clearance and better driveshaft angles. The high pinion design has an increased surface contact for increased durability.



ADJUSTABLE BATTERY TRAY

The new adjustable battery tray is now relocated lower and further forward for better weight distribution and center of gravity (COG). • Can accommodate batteries up to 32x44x147mm (3S 5,000 mAh).



EASY ACCESS TO ELECTRONICS

Gaining access to the model's on-board electronics is as simple as pulling out two body clips and raising the hood. Inside and out, we found clever ways to enhance the scale looks. The molded V8 engine replica seen here, for example, is actually a protective waterproof receiver box.



CHASSIS MOUNTED SERVO (CMS)

Scale matters, but so does geometry! In pursuit of scale looks, we've moved the servo off the top of the axle and onto the chassis, just as a full size truck has its steering box located on the frame. The front suspension design also helps eliminate bump steer as much as possible for the best driving experience.

KEY PRODUCT FEATURES CONT'D



DUAL SLIPPER CLUTCH

Our dual slipper design uses a pad on each side of the spur gear for added surface area. This allows for more precise tuning and holding power. The spur gear features strong, 32 pitch gearing for high torque applications.



MOLDED PLASTIC GRILLE AND RADIATOR

The body's front end is highlighted by a molded plastic grille and two large, 5mm lamps with factory-installed LEDs — for realism that continues to shine when the sun goes down! Clear rectangular lenses cover two smaller, 3mm holes (LEDs for these are not included). The Axial attention to scale realism is on display throughout the Wraith 1.9 RTR's front end. Look closely into the front grille, for example, and you'll notice additional molded detail that reproduces an intricate honeycomb of radiator cooling fins.



1.9 KMC XD229 MACHETE CRAWL WHEELS

Officially licensed KMC XD Machete wheels are legendary in the off-road world. They are molded in satin silver and feature stunning scale detailing on the front and a standard 12mm hex on the back.



1.9 NITTO TRAIL GRAPPLER M/T TIRE (S30)

The officially licensed Nitto Trail Grappler M/T Tires offer a fantastic blend of off-road performance while still retaining excellent composure for on-road use. They are molded in our durable S30 compound with large blocks that provide excellent bite when the going gets tough!



WB8 HD WILDBOAR™ DRIVESHAFTS

WB8 HD Wildboar™ front and rear driveshafts feature an updated design with a larger diameter cross pin (2x11mm) along with an M4 Screw Shaft (2mm hex drive) for added strength. A center splined slider floats between each end and features added material which reduces flex and fatigue.

KEY PRODUCT FEATURES CONT'D



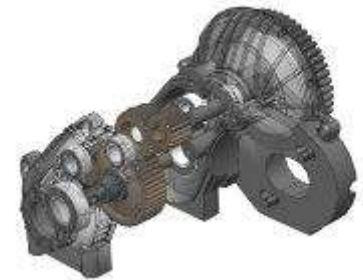
PROTECTIVE INNER FENDER WELLS

Molded inner fender wells help to reduce routine maintenance by keeping dirt and debris kicked up by the tires from entering the chassis. They're another example of Axial ingenuity: the wells double as part of the battery tray and feature simulated cooling vents for added realism.



SKID PLATE AND BOAT SIDES

Refining the successful 2.2 Wraith chassis design, we increased the ground clearance for this version by reducing the size of its skid plate and lower rails. Boat sides on the skid plate improve handling on rough terrain by helping the model slip through and past obstacles.



AX10™ TRANSMISSION

The ultra-compact, all metal gear transmission allows for a wide range of gearing choices. The overall ratio can be adjusted using different pinion and spur gear choices, allowing super high speed or competition level crawling.



SCALE ACCESSORIES

In the box you'll find two highly detailed turbochargers. Install them under the hood for added scale realism! (Two turbochargers included but not installed. Hardware for installation not included.).



ADJUSTABLE COILOVER SHOCKS

The threaded shock bodies hold a single coilover spring. They are oil filled and allow you to tune the dampening rate.



Spektrum STX2 Transmitter:

The STX2 2-channel radio system offers many features of higher-end 2.4GHz radio systems like throttle/steering reversing, throttle/steering travel adjust & throttle limiting.

KEY PRODUCT FEATURES CONT'D



DYNAMITE® AE-5L ESC W/ DRAG BRAKE, WATERPROOF

The Dynamite AE-5L ESC is 3S LiPo capable yet easily switched “in the field” between LiPo and NiMh battery types with a simple jumper – no more complex procedures.



SPKTRUM™ SRX200 RECEIVER

The SRX200 is a 2 channel 2.4GHz receiver that operates on the FHSS modulation. It is conformal coated to help prevent damage from water, dust and other elements. Features an extra-long antenna lead for easy and effective antenna placement.



35T BRUSHED ELECTRIC MOTOR, WATER RESISTANT

Providing an even balance of speed and crawling, the 35-turn brushed motor features a worry-free design with an integrated cooling fan allowing for extended periods of use. Easy operation: no tuning, no fuel, and no loud exhaust noise. Just plug 'n' go!



METAL GEAR TACTIC SERVO, 151 oz-in, WATER RESISTANT

The included Tactic TSX45 metal gear servo is rated at 151 oz-in of torque for massive turning power and dual ball bearings provide smooth and precise movement for the metal gear train.

SPECIFICATIONS

Type: Scale 4x4 Crawler	Tire Diameter: 4.7 in (119mm)
Completion Level: Ready-to-Run	Motor: Axial® 35T Brushed
Scale: 1/10	Motor Size: 540
Length: 17.8 in (452 mm)	Pinion: 13T
Width: 8.8 in (223 mm)	Spur Gear: 56T
Height: 8.8 in (223 mm)	Gear Pitch: 32
Weight : 4.65 lb (2.1 kg)	Internal Gear Ratio: 2.6:1
Ground Clearance: 2.7 in (68 mm)	Final Drive Ratio: 42:1
Wheelbase: 12.13 in (308 mm)	Speed Control Included: Dynamite®
Chassis: Injection Molded Tubular	Radio Transmitter Included: Spektrum™ STX2 2.4GHz
Suspension: Multi-Link Solid Axle	Radio Receiver Included: Spektrum SRX200
Shock Type: Oil-Filled/Coil-Over Spring	Servos Included: Tactic® TSX45
Drivetrain: 4WD (locked rear, gear diff front and rear)	Body: Polycarbonate
Wheel Type: Satin Silver KMC Machete	Ball Bearings: Included throughout
Wheel Diameter: 1.9 in (48.26 mm)	Experience Level: Beginner
Wheel Width: 1 in (25.5 mm)	Recommended Environment: All-Terrain
Tire Compound: S30	Is Assembly Required : No
Tire Tread: Nitto Trail Grappler M/T	

AXI90074**COMPLETION ITEMS**

Battery pack with IC3™ connector
AA batteries (4) for transmitter
Battery charger

REPLACEMENT PARTS

AXI231001	NYA Wrth1.9 Lwr Rail/skd plt bat tr	AXIC0013	AXA013 Cap Hd M2x6mm Blk Oxide
AXI231002	NYA Wraith 1.9 RX Box Parts Tree	AXIC0021	AX31576 Shock Parts
AXIC0000	AX80087 Tube Frm Sd Lft Wraith	AXIC0023	AXA0023 Cap Head 2.6x8mm (10)
AXIC0001	AX80088 Tube Frm Sd Rgh Wraith	AXIC0075	AX80075 Tube Frame Top Wraith
AXIC0003	AX80089 Wraith Tube Frm Shk Mn	AXIC0076	AX80076 Tube Frm Shk Mn Wraith
AXIC0004	AXA0414 Hex Skt Tap M2.6x10mm	AXIC0077	AX80077 Tube Frame Bump Wraith
AXIC0005	AXA0113 Hex Skt Butn Hd M3x6mm	AXIC0082	AX80082 Tube Frame Brce Wraith
AXIC0286	AXA0286 Screw Shaft M4x2.5x12	AXIC0724	AX30724 Pinion Gear 32p 13t
AXIC0413	AX30413 Slipper Spring Black	AXIC0795	AX31586 Wb8-hd Std Driveshafts
AXIC0422	AXA0422 Hex Skt Tap M2.6x6mm	AXIC0805	AX80030 Shock Body Set 61-90(2)
AXIC0435	AX30435 Steel Outdrv Shaft Set	AXIC0810	AX30810 Univ Jnt Reblid Set (2)
AXIC0437	AXA0437 Hex Socket Tap M3x15mm	AXIC1009	AXA0109 Hex Skt Oversize M3x10mm
AXIC0439	AXA0439 Hex Skt Tap M3x20mm	AXIC1026	AX31026 Slipper Plate Washer

REPLACEMENT PARTS (continued)

AXIC1027	AX31027 Spur Gear 32P 56T	AXIC1531	AX31531 Lcx Transmission Case
AXIC1028	AX31028 Pin 2.0x11mm (6)	AXIC1538	Hex Socket Button Head M2.6x10mm Bl
AXIC1045	AXA1045 Nylon Locknut M4 Black(10)	AXIC1539	AX31539 Slipper Gear Shaft
AXIC1049	AX31049 Helmet Set Black Yeti	AXIC1551	AX31551 Chevy K5/c10 Lens Set
AXIC1055	AXA0055 Flat Head M2.6x12mm(10)	AXIC1589	AX31589 Diff Cover Red AR44
AXIC1059	AXA1059 Body Clip 6mm Black(10)	AXIC1592	AX31592 Axle Housing AR44
AXIC1068	AX31068 Slpr Pad 32.8x15.2x1mm	AXIC2020	AX31565 1.9 Nitto Trail Grappler
AXIC1070	AXA1070 Washer 3x6x0.5 (10)	AXIC3014	AX30146 Shock Shaft 3x50 (2)
AXIC1083	AX31083 Radio Box Seal Yeti	AXIC3042	AX30427 Alum Hub Nar 12mm Black(4)
AXIC1148	AX31148 Wb8-hd Drvshft Coupler	AXIC3162	AX30162 Pin 1.5x8mm (6)
AXIC1148	AX31148 Wb8-hd Drvshft Coupler	AXIC3163	AX30163 Pin 2.0x10 (6)
AXIC1280	AX31280 Hex Button M2.6x6mm(10)	AXIC3190	AX30190 Shaft 5x18 (2)
AXIC1441	AX31441 Spring 12.5x60mm White (2)	AXIC3372	AX31372 Hex Flat Head M2.6x8mm (10)
AXIC1471	AX31471 Axle 12x36mm (2)	AXIC3381	AX31381 AR44 Steering Knuckles
AXIC1472	AX31472 Solid Axle 6x73.5mm (2)	AXIC3394	AX30394 Drive Gear 20T
AXIC1530	AX31530 AR44 Bevel Gear Set 30T/8T		

NEW PARTS

AXI230001	Wraith 1.9 Body & Interior Set
AXI231001	Wraith 1.9 Lower Rail/Skid Plate/Battery T
AXI231002	Wraith 1.9 Receiver Box Parts Tree
AXI43001	1 .9 KMC Machete Wheel - Satin Silver (2)

OPTION PARTS

AXIC1465	AX31465 SCX10 II Front Links Set (Aluminum)
AXIC1466	AX31466 SCX10 II Rear Links Set (80,94mm, 101.5mm)(Aluminum)
AXIC3103	AX30103 Icon 61-90mm Aluminum Shock Set – 7mm piston (2pcs)

BATTERY OPTIONS

SPMX50002S30H3	Spektrum 5000mah 2S 7.4V 30C; HC IC3 -
SPMX50002S30H5	Spektrum 5000mah 2S 7.4V Smart LiPo 30C; Hardcase -
DYN9003EC	Dynamite Reaction 7.4V 4000mAh 2S 30C LiPo Hard EC3 -
DYN9005EC	Dynamite Reaction 7.4V 5000mAh 2S 30C LiPo Hard EC3
EFLB32003S30	E-flite 3200mAh 3S 11.1V 30C LiPo 12AWG EC3
SPMX32003S30	Spektrum 3200mah 3S 11.1V Smart LiPo 30C; IC3

Axial 1.9 Wraith FAQ

1. What the difference to the Wraith 1.9 Chassis?
 - The lower chassis section has been changed to accept the SCX-10 II Front and Rear AR44 Axles and AX10 Center transmission. The front end of the chassis has also been designed to accept the battery being mounted up front under the hood as well as the servo now being chassis mounted as opposed to being on the front axle.
2. Will the Original Wraith body set fit the 1.9 Chassis?
 - The Roof and side panels will fit, however the hood and front bumper/mounts do not.
3. What Battery size will fit the Wraith 1.9
 - A hard or soft case 2S will fit as well as a soft case 3S pack.
4. Is the Transmission different from the 2.2 Wraith
 - Yes, used the AX-10 Gray Transmission with metal gears
5. Can you still use the rear battery tray mount from the original Wraith
 - Yes if you desire to move the battery to the back of the vehicle, it will bolt in.
6. Will Optional/Aftermarket Wraith Bodies fit?
 - Yes, BUT they will require extensive modifications to access the battery which is now located up front and under the hood.