

FALL 2023

How to Build & Break In a Ball Diff

with Spencer Rivkin of Team Associated

See More on Page 12



Exclusive Offers on Back



fallcat23

See the 2023 IFMAR World Championship winning batteries

See More on Page 23





Thanks for choosing AMain Hobbies!

Here's what you get when you shop with us. Along with the best products in the industry, everything you need to win, an easy-to-use website... well, you get the idea.



Same day shipping on most orders. Plus, orders over \$99 ship for free*.



90% of domestic orders are delivered within 3 business days.



Technical help and support from a team of top-notch reps.



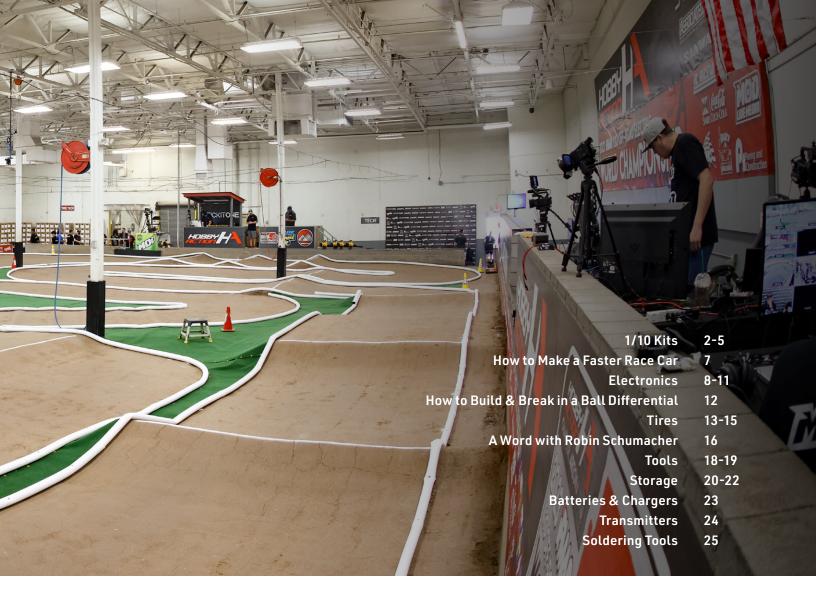
Spendable rewards points, extra time for returns, and VIP-only discounts. All for free.

EASY RETURNS

Start a return without having to pick up the phone at AMainHobbies.com/account/history



Buy now and pay later with easy financing through affirm.com Learn more at AMainHobbies.com/affirm



The latest brands at AMain Hobbies









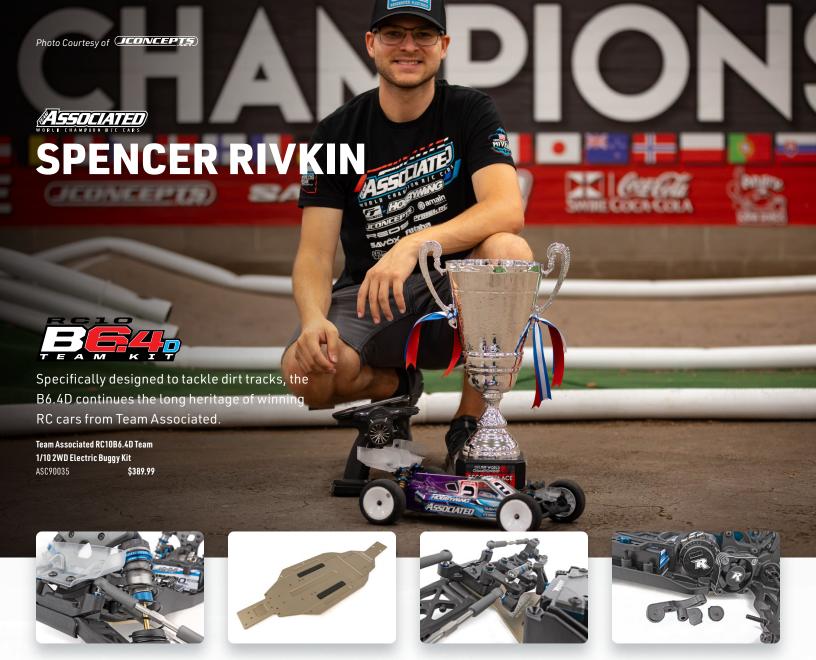






Find RC tracks in your area with our track locator!





New 13mm big-bore threaded aluminum shocks and springs with machined shock pistons for improved bump and jump handling.

New dirt length aluminum chassis with 22.5deq. kick-up to complement updated front-end geometry and with new shape to reduce chassis scrub with the track surface.

New adjustable height steering bellcrank and rack system for optimized bumpsteer at all ride heights and caster angles.

New chassis side rails with three fan mount locations to choose from depending on chassis length and transmission used.

Team Associated RC10B6.4 Team 1/10 2WD **Electric Buggy Kit** ASC90034



A GGODIANED

Team Associated RC10B6.4D Team 1/10 2WD Electric Buggy Kit



A GEOGLATIED \$389.99

Team Associated RC10B74.2 Team 1/10 4WD Off-Road Electric Buggy Kit ASC90036



A GEOGRAFIED

Team Associated RC10B74.2D Team 1/10 4WD Off-Road Electric Buggy Kit ASC90037



\$529.99

\$399.99

\$529.99





New front ballstud mount and top plate with angled steering system for improved steering consistency.



Gullwing front and rear arms and shock towers for improved high-traction handling.



Split slipper assembly for better weight balance and shock clearance.



Heavy-duty routed 4.0mm carbon fiber shock towers add stiffness and reduce overall weight.







JARED WIGGINS



The EB410.2 not only matches the level of durability, performance, and value that racers expect from Tekno RC, but exceeds them.

Tekno RC EB410.2 1/10 4WD
Off-Road Electric Buggy Kit
TKR6502 \$429.99



Upgraded handling and suspension with revised 13mm big bore shocks and improved shock towers.



Front bulkhead brace, heavy-duty hinge pin braces, and large 3.5mm inner hinge pins greatly improve overall durability.



Optimized reverse bellcrank steering system creates a weight forward design.



Adjustable roll center rear hubs and tall one-piece wing mount help enhance aerodynamics and roll characteristics.





XRAY XT2C'23 1/10 Electric 2WD Competition Stadium Truck Kit (Carpet) XRA320206



\$425.00

XRAY XB4C'23 1/10 Electric 4WD Competition Buggy Kit (Carpet) XRA360012



\$629.99

Stadium Truck Kit (Dirt) XRA320207



XRAY XT2D'23 1/10 Electric 2WD Competition

\$425.00

XRAY XB4'23 1/10 Electric 4WD Competition Buggy Kit (Dirt) XRA360013



\$615.00



TLR03026 \$579.99
Schumacher Cougar LD2 Stock Soc

Schumacher Cougar LD2 Stock Spec 1/10 2WD Buggy Kit SCHK191



\$399.99



\$379.99



Schumacher Cougar LD2 1/10 2WD Buggy Kit

Schumacher



XRAY XB2D'23 1/10 Electric 2WD Competition Buggy Kit (Dirt) XRA320014



\$409.99

Team Losi Racing 22 5.0 DC Elite 1/10 2WD Electric Buggy Kit (Dirt & Clay) TLR03022



\$419.99



Buggy Kit SCHK201



Schumacher

\$539.99





\$424.99

Team Losi Racing 22 5.0 DC Race Roller 1/10 2WD Electric Buggy Kit (Dirt/Clay)



\$319.99



Schumacher Storm ST2 1/10 2WD Off-Road Competition Stadium Truck Kit SCHK200



\$399.99







Get performance you need and reliability you can trust

Professional-quality servos that are built to win, and backed by a 1-year warranty through AMain Hobbies.





1/12 & 1/10 Mini Servo 500BL \$89.99

1/ 10 261 402	
100T	\$49.99
100\$\$	\$49.99
130T	\$89.99
130SS	\$89.99

1/12 & 1/10 Low Profile 140T......\$79.99

1/10 & 1/0 361	05
155T	\$139.99
1558	\$139.99

1/10 & 1/8 Low Profile 160T\$109.99 160SS\$109.99 160TBL\$129.99

Scan to shop Servos



How to Make a **Faster Race Car**

A quick tip on how to make your stock buggy or truck go faster.

In stock racing, it can be hard to get an edge over the competition. Everyone in each class is running a motor of the same speed, with the same battery voltage. So how can you add some extra speed to your car? Two go-to methods are reducing weight, and decreasing rolling resistance.

The lighter your car, the faster your motor can make it go. In stock racing classes there is a minimum weight that you can't go under. But getting closer to it will help you gain some speed. The most efficient way to reduce weight is to replace parts with lighter parts.

Replacing steel hardware with titanium and aluminum hardware can save a few grams here and there, which adds up. Replacing steel driveline parts like outdrives with aluminum not only reduces overall weight but also reduces the load on the motor. This means the motor doesn't have to work as hard and increases the efficiency of your RC.

Another place you can drop weight is by using a low-profile servo. Low-profile servos are slightly shorter than standard servos, and therefore lighter. They're great options for most 1/10 stock classes. While we're on electronics, you can try a lighter fan. A plastic fan will be a few grams lighter than an aluminum fan, and as we've mentioned, those grams add up.

To top all of this off, you can replace stock bearings with ceramic bearings. While more expensive than metal bearings, they significantly decrease rolling resistance and help you take advantage of the newly reduced weight. You can find ceramic bearing kits by J&T Bearing Co. and Whitz Racing Products.

Of course, there are endless upgrades you can make to your ride, some more effective than others. That's part of the fun of RC! We hope you found this quick tip

helpful! For more on this, check out the video on our YouTube channel!



YouTube.com/AMainHobbiesVideos





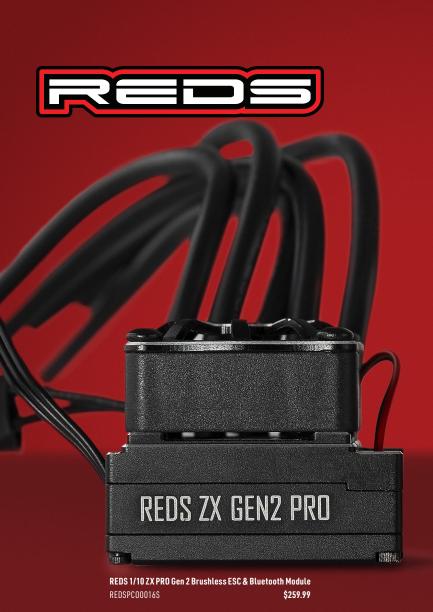
ProTek RC

160TBL Low-Profile Servo



Aluminum Cooling Fans

Ceramic Bearing Kits













Hobbywing Xerun XR10 Pro Stock Spec V4 Sensored Brushless ESC
HWA30112401 \$124.99



Hobbywing Xerun V10 G4 Competition Stock Brushless Motor HWA3040114* **\$119.99**



LCD Professional Program Box

\$28.99

HWA30502001

Modified Brushless Motor

HWA304011*





Maclan M32T Pico100 Stock Competition ESC









Maclan HV Graphene V4 2S LiHV Batteries w/ 5mm Bullets
MCL60* Starting at \$64.99









Tekin RS Pro Black Edition BL Sensored/Sensorless ESC \$229.99

Tekin Gen4 Spec-R Sensored Brushless Motor



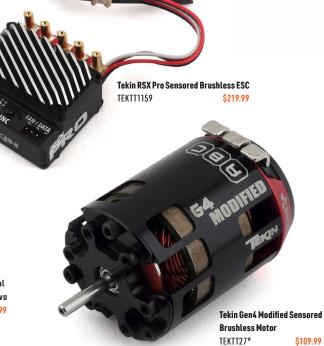
Tekin Power Cell Hard Case 120C Graphene LiHV Batteries TEKTT16* Starting at \$79.99



TEKTT1504

\$169.99

Tekin T-120 Low Profile Digital Hi-Speed Programmable Servo TEKTT1500 \$159.99





Having a dialed differential is a vital aspect of any race program. Your differential affects how much power your car is able to put down, your traction, and the overall handling of your RC. So we got a few tips from 2019 2WD 1/10 IFMAR World Champion and Team Associated's Spencer Rivkin.

Building

When building a ball diff, the grease (and how much of it) you use is very important. Spencer recommends RM2 brand grease from JConcepts. Black [JC08119] for the thrust bearing assembly, and clear [JC08118] for the diff rings and outdrives, and inside the diff itself. It's best to use a liberal amount on all sides and wipe away excess when you're complete

When building the thrust assembly he recommends using a caged thrust bearing, like the one from ProTek RC [PTK-2026]. These are easier to build, run smoother, and last longer than loose-ball thrust bearings.

Before you begin assembling the differential itself, Spencer likes to clean the diff rings and outdrives with a motor spray or degreaser to eliminate any residue left over from manufacturing. Then, when putting it all together remember to use a healthy amount of grease. After it's together you can work it in by hand a little bit to make sure everything moves freely and stays together. To make sure the thrust bolt is tight enough, you can pull the outdrives apart from each other - if you feel any play it should be tighter.

Break In

Once you install the differential into your kit you can begin the break in. Spencer does this by putting the buggy on a stand and running it slowly with one outdrive or wheel held in place. This forces the diff to spin and begin breaking in. Start slowly and do each side for 20-30 seconds before stopping and tightening the thrust bolt. Repeat this process 3-5 times as necessary until the thrust bolt stays nice and tight, and the diff action is where you like it.

Now get out there and race!

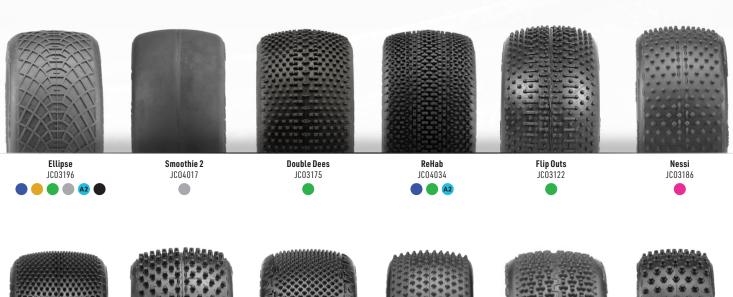


For a more detailed video explanation check out Spencer's YouTube channel.



2023 ROAR 1/10 OFF-ROAD ELECTRIC NATIONAL CHAMPIONS

BRENDEN EDWARDS 13.5 STADIUM TRUCK DAKOTAH PHEND 2WD MOD BUGGY & MOD STADIUM TRUCK SPENCER RIVKIN 4WD MOD BUGGY DOUG LARIVIERE 17.5 2WD BUGGY

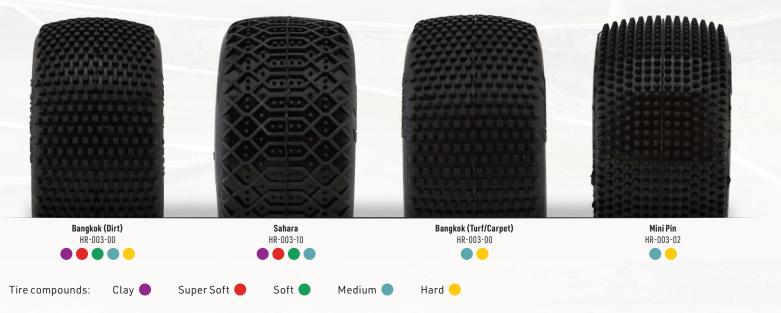




Tire compounds: Blue Green Aqua Black Gold Silver Pink

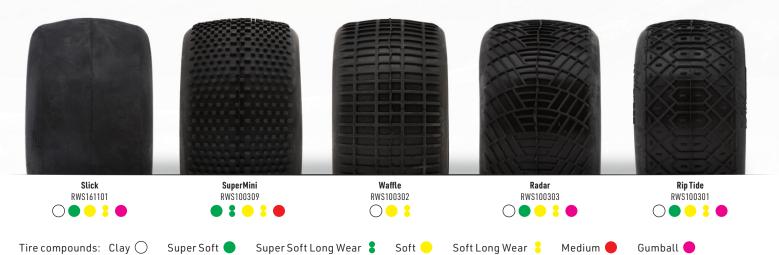


AMainHobbies.com/hotrace





AMainHobbies.com/rawspeed



Raceform

Make gluing tires a breeze with the Raceform Lazer jig for gluing 1/10 buggy tires. Do it in style with the "Bling Series" available exclusively at AMain Hobbies through 2023.

Raceform Lazer "Bling Series" 1/10th Buggy Tire Gluing Jig
RFM20171012LJORB10SDBS \$78.99

Also available for SCT and 1/8 scale!





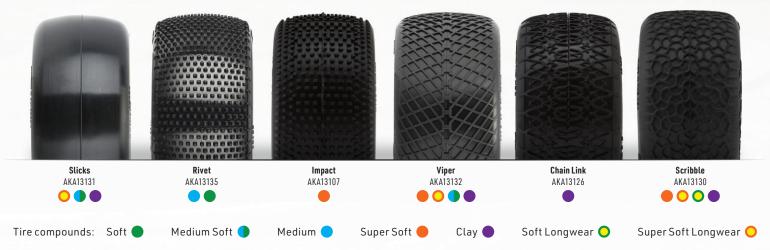
BEDEFIE

AMainHobbies.com/proline



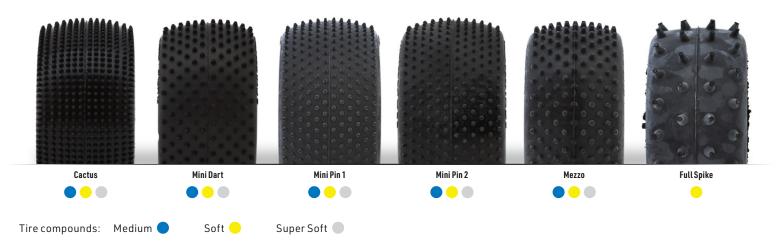


AMainHobbies.com/aka





AMainHobbies.com/schumacher



A WORD WITH ROBIN SCHUMACHER

We had the opportunity to catch up with Robin Schumacher, a British manufacturer and very much a pioneer in carpet specific cars and tires (or tyres if you ask Robin). British racers have long enjoyed the higher levels of grip and cleaner, lower maintenance of the cars carpet delivers and there is no denying that the same benefits being realized in the UK are now being seen in the US. With the rise in popularity, here's what Robin shared for our customers new to this form of racing.

What can you tell us about choosing the right tire for the surface of the track?

Choosing the right tire is probably the most important part of carpet car set up to get right. Smooth clean surfaces require a maximum amount of rubber to be in contact with the track and as with a clay track, a slick tire is going to be best. When water is present on the surface then treaded tires help to move the water out of the way. Generally speaking, some form of spikes or pins are going to provide you the best performance on carpet or Astroturf and choosing the right one is dictated by the "pile" of the carpet or turf.

Spikes or Pins?

A longer pile, more shag if you will, requires an adequate spike to dig into the fibres. More recently, tracks are installing shorter pile Astroturf for which a tire that has smaller pins would be the choice for most racers. Carpet tires require much shorter spikes and these are commonly referred to as pins. A pin differs from a spike in the shape and density of the tread. Pins are smaller, more pointed lugs and have noticeably more pins and points of contact around the tire. The Schumacher Minispike and Mini Dart are popular Astroturf tires.

Compounds are in important consideration in dirt racing, what about turf and carpet?

Choosing the right rubber compound is just as important here, but is less specific about the surface itself and more about conditions. Our 'Yellow' compound is our medium compound and the most widely used for dry weather racing on both Astroturf and carpet. The much softer 'Silver' compound works well in wet conditions, and the harder 'Blue' is a long wear compound.

We notice that a lot of the carpet tires have a higher profile, why is that?

A high profile tire simply rides the bumps better. The sidewall flexes and acts like an additional shock absorber which is important for tracks built on hard surfaces. The down side is that the sidewall will also flex as the car changes direction making it less responsive and more prone to traction roll. But just like dirt racing, there is a tire or a set up change for every surface and condition. The latest tracks are relatively smooth and the improved responsiveness and driving feel of the low profile tire outweigh the reduced bump handling.

We notice that you don't include closed cell inserts as we typically see in the US, why is that?

Different inserts change the characteristics of the tire. If a spike bends over, the traction is ruined so carpet and Astro tires are made from relatively firm rubber to give strength and support to the spikes. Since the rubber is firm, the best support for this rubber and tread is a softer, open cell insert. On the contrary, dirt tires, are commonly made from a softer rubber and require a firmer insert such as a moulded, or closed cell insert to give the tire support.

Thanks Robin!

Check out a selection of carpet and Turf tires below! Or head to AMainHobbies.com/carpet to see even more online!

Scan to shop Tires



AMainHobbies.com/carpet



MADE COMPLETELY INTHE U.S.A.



PROFESSIONAL QUALITY RC TOOLS.

Built to the same quality standards that have made MIP the go-to tool for hobbyists for over 30 years. MIP tools are found on pit tables and work benches around the world and are trusted by World Champions and hobbyists alike for their superior quality, longevity, and American construction.

Scan to shop MIP



AMainHobbies.com/mip





One of the most trusted names in the RC community

ProTek RC tools are crafted to enhance the performance and maintenance of RC vehicles, ensuring precision and durability for a superior racing experience.

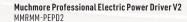


Shop ProTek RC Tools



"TruTorque" Team Tool Bag	PTK-8102	\$23.49
"TruTorque" Lexan Scissors (Curved)	PTK-8278	\$6.49
"TruTorque SL" Metric Hex Driver Set	PTK-8416	\$49.49
"TruTorque SL" 4-Piece Metric Nut Driver	Set PTK-8282	\$43.99
"TruTorque" Lexan Body Reamer	PTK-8203	\$20.49
"TruTorque" Shock Shaft Pliers	PTK-8267	\$26.99
"TruTorque" Spring Clip Remover	PTK-8266	\$15.49

MIP Speed Tip Hex Driver Power Tool Tip Set (Metric) (3) (1.5, 2.0 & 2.5mm)















\$41.99



\$54.99

MIP Thorp Metric Hex Driver Wrench Set (3) (1.5,



MIP Metric Nut Driver Wrench Set (2) (5.5 &

7.0mm) MIP9503



ProTek RC "TruTorque" 5-Piece 1/4" Drive Hex & Nut Driver Set

(1.5, 2.0, 2.5mm Hex & 5.5, 7mm Nut Driver)





\$49.99

w/LiPo Safe Bag

YEA-YT-0193

\$122.99

Case

PTK-8290

\$26.99

2.0 & 2.5mm)

MIP9502

PTK-8462

\$34.99

MIP 1/10 Turnbuckle Wrench Assortment Bundle (3.25, 3.7 & 4mm)



Yeah Racing 1/10 Track Day Starter Tool Set

Team Associated Factory Team Metric Hex/Nut **Driver Tool Set** ASC1519

Team Associated Factory Team 7 Piece 1/4" Drive Hex Driver Set w/Handle ASC1650









\$44.49



\$63.99

Signalina) \$53.99

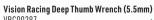
AKA Pro Multi-Tip Tire Punch AKA44010



AKA 12mm Hex 1/10 Tire Break-In Tool AKA44009

JConcepts Combo Thumb Wrench (5.5mm/7.0mm) (Black) JC02556-2









OCONCEPTS)

PROTEKRE



\$26.99



\$15.75 ProTek RC 6 Digital Caliper w/LCD Display & Hard

\$10.25

Team Associated Factory Team Differential







ProTek RC TruTorque Lexan Body Reamer



AMainHobbies.com | 1-800-705-2215

\$20.49



Every second counts at the track

There's no better way to save time (and headaches) than keeping your RC gear organized and easy to transport.



Storage & Organization



Koswork Multifunction Tool, Charger & Mini Car K0\$32216



Koswork Tool/Storage Box w/Parts Tray (245x175x56mm) KOS32112B

\$25.99



KOSWORK



Koswork 7×7 Parts Storage Box (49 Compartments) (245x175x38mm) KOS32116

\$16.99



KOSWORK

Team Associated Factory Team Fluid Carrier Bag ASC97018 ACTORINED



J&T Bearing Co. Fluid Organizer Bag

Hudy 1/10 Compact Carrying Bag HUD199110 \$149.99



Hudy Exclusive Edition Carrying Bag w/Tool Bag (1/10 & 1/8 On Road) HUD199120

\$35.99



Hudy 1/10 Off-Road Set-Up Board Bag



Hudy 1/10 On-Road Car Bag HUD199181 HUDY \$96.99

Hudy 1/8 & 1/10 Off-Road Car Bag HUD199184 HUDY \$105.99

HUDY \$344.99

HUDY \$40.49



JConcepts 1/10th Buggy Drawstring Tote Bag JC02284









JConcepts 1/10 Offroad Tire Stick (Black) (4) JC02430=2 **JCONCEPTS** \$11.99

Protoform 1/10 On-Road Car Carry Bag PRM6296-00

\$29.99





Avid RC 1/10 Spring Tube Pack (4)

AVD1200-TUBE

\$4.99



Ordom



Innovative design that effortlessly combines style and functionality.





The 2023 1/10 IFMAR World Championships saw ProTek RC batteries on the podium three times!

Congrats to Tater Sontag who took first in 2WD and Team Associated's Spencer Rivkin who took second in both 4WD and 2WD running ProTek RC 2S LiHV shorty packs!

Scan to shop ProTek RC Batteries







\$239.99



Hitec X2 AC Plus Black Edition AC/DC Multi-Charger (6S/10A/100W) HRC44270



Reedy 1416-C2L Dual AC/DC Competition LiPo/NiMH Battery Charger (6S/14A/130Wx2)







\$65.99

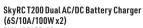


PROTEKRI



\$129.99







SkyRC D200 NEO Dual Smart Battery Charger (6S/20A/AC-200W/DC-800W)

Junsi iCharger Junsi iCharger 456DUO Lilo/LiPo/Life/NiMH/NiCD DC Battery Charger (6S/70A/2200W)

JUN-456DUO

\$329.99



Bat-Safe LiPo Charging Case BAF-BAT-SAFE

@ I Charger











\$799.99

KO Propo EX-NEXT LDT 2.4GHz Radio System w/KR-420XT Receiver (Lay Down Trigger) KOP10665



\$437.00

Futaba 4PM 4-Channel 2.4GHz T-FHSS Radio System w/R334SBS Receiver



\$339.99

Spektrum RC DX5 Pro 2021 5-Channel DSMR Surface Radio (Transmitter Oaly)



\$329.99

SPEKTRUM

Futaba.

ProTek RC Soft Case Universal Transmitter Utility Bag



PROTEKRE \$49.99

Sanwa/Airtronics M17 FH5 4-Channel 2.4GHz Radio System w/RX-493 Receiver



\$599.99

SANWA

KO Propo EX-NEXT 2.4GHz Radio System w/KR-420XT Receiver



\$437.00

Futaba 4PM Plus 4-Channel 2.4GHz T-FHSS Radio System (No Receiver)



\$249.99

Spektrum RC DX5C 5-Channel DSMR Surface Radio w/SR6100AT Receiver



\$219.99

ProTek RC LiFe Futaba Transmitter Battery Pack

(6.6V/2100mAh) PTK-5188



PROTEKRE

\$41.49

Futaba 7PXR 7-Channel 2.4GHz T-FHSS Telemetry Radio System w/R334SBS Receiver FUT01004395-3



\$699.99

Sanwa/Airtronics MT-R FH5 4-Channel 2.4GHz Radio System w/RX-493i Receiver



\$299.99

SANWA

Futaba 3PV 3-Channel 2.4GHz FHSS/S-FHSS Radio System w/R304SB Receiver



\$179.99

Sanwa/Airtronics EXZES ZZ 4-Channel 2.4GHz Radio System w/RX-472 Receiver

SNW101A32071A

\$777.99

ProTek RC 1S LiPo Transmitter Battery (Sanwa M17/MT-44/MT-5) (3.7V/3000mAh) PTK-5197



\$36.99



SANWA

Sanwa/Airtronics MT-5 FH5 4-Channel 2.4GHz Radio System w/RX-493i Receiver



\$399.99

Sanwa/Airtronics MX-6 FH-E 3-Channel 2.4GHz Radio System w/RX-391W 3-Channel Receiver SNW101A32561A



\$109.99

SANWA

Futaba 3PRKA 2.4GHz FHSS Radio System w/R203GF Receiver



\$94.99

Futaba 4GRS 4-Channel 2.4GHz T-FHSS 2-Stick Radio System w/R304SB Receiver FUT01004366-3



\$389.99

ProTek RC LiFe Futaba, JR, Spektrum, KO, Transmitter Battery (9.9V/2100mAh) PTK-5187



\$45.49









\$413.99

Hakko FX901 Battery Powered Cordless Soldering Iron HAKEX-901



\$38.99

Thermaltronics TMT-2000S Soldering Iron Station Combo TMT-2000S-K-AMAIN



\$240.00

\$115.99





ProTek RC Carbon Fiber Soldering Jig



\$16.99

DuraTrax TrakPower TK60 60W Soldering Iron



\$19.49

AMain Hobbies Event Calendar

October	Oct. 19-22 Masters of Dirt	Myrtle Beach, SC
	Oct. 20-22 JConcepts NCTS5 Carpet National Finals	. Muscatine, IA
	Oct. 20-22 Kinwald Klassic	Chandler, AZ
	Oct. 21 Matt Chambers Memorial Race	Aurora, CO
	Oct. 27-29 HRCR Halloween Havoc	Hayden, ID
	Oct. 27-29 Halloween Classic (On-Road)	Burbank, OH

Check out our event calendar online!



November

Nov. 3-5 12th Annual Top Gun Shootout San Diego, CA
Nov. 3-5Lucerne Valley, CA
Nov. 4 King of Sling (Oval) Felton, DE
Nov. 4 RCMT Monster Force (Monster Trucks) New Milford, PA
Nov. 4 Rhythm RC Winter Opener Hammonton, NJ
Nov. 4-5 Johnny Mac Memorial Weekend (Oval) Forked River, NJ
Nov. 9-12 Team Associated Off-Road Championship Brookfield, WI
Nov. 10-12 JConcepts Winter Indoor Shootout Blue Springs, MO
Nov. 10-11 Okeechobee, FL
Nov. 10-11 Lil Cochran 2nd Annual Turkey Run (Oval) Cochran, GA
Nov. 10-12 3rd Annual Crestview Community Charity Race Crestview, FL
Nov. 15-19 Florida Carpet Championship
Nov. 18
Nov. 26 RC Rally de Portugal (Rally) Riverside, CA
Nov. 26 MMRC 3rd Annual Thankfulness Trophy Race Alma, MI

Same day shipping on most orders. Plus, orders over \$99 ship for free*.



90% of domestic orders are delivered within 3 business days.



Technical help and support from a team of top-notch reps.

December

January

Dec. 1-3 JConcepts INS13 Indoor National Finals Chandler, AZ
Dec. 8-10 2nd Annual Pacific Northwest Classic Junction City, OR
Dec. 15-16 FORC 6th Annual Winter Kickoff Jonesboro, AR
Dec. 30 Rhythm RC New Years Bash Hammonton, NJ
Dec. 30 Gone Bananas Trophy Race Muscatine, IA
Jan. 4-7 Hoosier RC Clash of Champions New Albany, IN
Jan. 18-21 3rd Annual Tundra Winter Champs Quebec City, CAN

Jan. 26-28...... Boom Graphics Off-Road Jam..... Blue Springs, MO

Follow AMain Hobbies online



@AMain_Hobbies
@AMain_Hobbies_2



AMain Hobbies



@amainhobbies



@amain_hobbies

\$15 OFF

an order over \$150 with code **WIN1523**

\$25 OFF

an order over \$250

with code WIN2523

15% OFF

ProTek RC products with code **WINPTK**



Coupon offers expire December 31st, 2023 at 11:59 PM PST and are not retroactive. Coupons can only be used once per customer. Coupon codes cannot be combined with other coupon codes. Minimum order value does not include gift voucher purchases, relevant tax amounts, shipping costs, products on sale or products restricted by the manufacturer.

All information, prices, and availability are subject to change without notice.