

HELION BRUSHLESS DOMINUS 10TR



Even though they have released just three vehicles up to this point, Helion has proven to the industry that they are, and will be, a force to be reckoned with. The two Animus vehicles and the Dominus SC are durable, fast and priced extremely well. Building on the stellar success of the Dominus SC, Helion made a few changes to this successful platform and is now ready to release the Brushless Dominus 10TR. As the name suggests, it is a truggy, sporting oversized tires, wheels, new body and a sweet rear wing. While Helion could have stopped with those changes, they made a few more “under the hood”, so to speak, making the Brushless Dominus TR really stand out from its predecessor. Read on to fully explore the Helion Dominus TR!

AT A GLANCE

WHO MAKES IT: Helion
WHO IT'S FOR: Anyone who wants to have fun
BUILD TYPE: RTR

Tenth Truggy with Attitude!



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Facts

- ◆ The Brushless Dominus 10TR is the first vehicle from Helion to employ the new, Reaktor brushless power system. The speed control portion is fully waterproof so a bit of moisture won't force you to buy a new speed control and the motor is a standard 540 size. In addition it is powerful enough, featuring 3500Kv, so it can easily spin the tires and clear large jumps and obstacles.

- ◆ The front end of the Brushless Dominus 10TR utilizes pillow ball style front suspension. It is very durable and can be easily adjusted with just a hex wrench to alter the camber for better handling. Toe can be fine tuned with threaded adjustable steering turnbuckles. To keep the gears of the steering servo intact, the built-in dual bellcrank steering linkage features an adjustable spring loaded servo saver.

- ◆ The Brushless Dominus 10TR utilizes a fully sealed 4WD, shaft driven drivetrain. The 32-pitch pinion gear drives a spur gear that is directly connected to the rear differential. A plastic case that attaches to the chassis keeps dirt clear from the gears. A long, orange anodized, center shaft connects to the spur and transfers power to the front differential. Both the front and rear diffs are of the geared variety so they require little to no maintenance and operate very smoothly.

- ◆ As with other Helion vehicles; the Brushless Dominus 10TR is delivered with a 2.4GHz radio system. The receiver is tiny and located in a sealed radio box that is placed on top of the steering servo on the right hand side of the chassis. The transmitter has a great balance and features steering and throttle trim adjustments.

- ◆ There are two color schemes of the Brushless Dominus 10TR, one is white, blue and yellow, the other is white, green and yellow. The front end is equipped with a narrow truggy style bumper while the rear utilizes a narrow skid plate. The rear also features an adjustable truggy style wing. The wing mount is super tough and attached to the rear shock tower.

- ◆ Like all Helion vehicles that have been released, the Brushless Dominus 10TR is an RTR. The box is filled with the fully assembled truggy, 2.4 GHz transmitter, pre-painted decaled body, 7-cell NiMH hump back battery pack and detailed instructions. Just get eight "AA" batteries for the transmitter and read the instructions while you charge the 7-cell battery pack.

- ◆ Huge, oversized rims and tires decorate the four corners of the Dominus TR. The rims utilize a 12mm hex adapter so there are a wide variety of aftermarket tire and rim combinations that can be used on the Dominus TR. The tires use a medium compound lug for good traction and longevity.

Behind the Wheel

STEERING

Understeer Neutral Oversteer
The shaft driven 4WD power of the Brushless Dominus 10TR, coupled with spiked off road tires on multi-spoked wheels enabled me to put the Dominus TR almost anywhere I wanted to on the track. Through tight corners, 180-degree turns and more, the truck did have a push as the steering throw was a bit limited and the steering servo seem to labor a bit in pushing the large tires from side to side. Overall the steering on the Dominus TR is adequate.

ACCELERATION/BRAKING

Poor Fair Good **Excellent**
The configuration at R/C Madness when I tested the Brushless Dominus 10TR featured a long straightaway into a quick turn. The truck motored up to top speed quickly then I hit the brake hard and the truggy slowed down predictably allowing me to speed through the corner with ease. The Brushless Dominus 10TR puts out plenty of power that makes it easy to drive and power-slide through corners.

SUSPENSION

Poor Fair **Good** Excellent
The oil-filled shocks found at all four corners of the Brushless Dominus 10TR feel plush and do a good job soaking up the majority of bumps, jumps and ruts that most users will encounter. I thought the stock setup was a touch soft but this is just personal preference. Performance wise, the Brushless Dominus 10TR handled most jumps and obstacles with relative ease. The back end did slap the ground slightly after big jumps, but this is not out of the ordinary.

JUMPING

Poor Fair Good **Excellent**
The Brushless Dominus 10TR is able to clear most of the track's double and triple sections although the suspension was a bit bouncy on landing so I had to wait for it to settle before I could get back on the throttle. I really liked the attitude of the truck when in flight as the Brushless Dominus 10TR nearly always jumped completely level or with the nose pointed just slightly toward the sky.

DURABILITY

Poor Fair Good **Excellent**
Similar to its older brother, the Dominus SC, the Brushless Dominus 10TR is rough and tough. I thought the larger, heavier tires and rims might be cause for a weak link somewhere on the front end but the entire truck, from bumper to bumper, had nothing, but some scuffs and scrapes after some serious pounding.

The front end of the Brushless Dominus 10TR is easily adjustable. The pillow ball steering knuckles, coil-over oil filled shocks, adjustable turnbuckles and more make it as adjustable as any vehicle on the market.





PROS

- ◆ Brushless power!
- ◆ Simple design makes it easy to wrench on
- ◆ A 2.4GHz radio is standard equipment
- ◆ Rear wing looks cool and helps with rear traction
- ◆ Fully sealed drivetrain

CONS

- ◆ Would have liked to see high current connectors

ITEMS USED

- ◆ Radiant Charger



★★★★★ REVIEWER'S OPINION



With every vehicle they have released, Helion has swung for the fences. The Brushless Dominus 10TR does not disappoint and makes

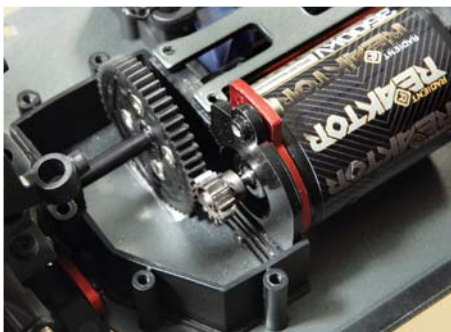
Helion four for four as it is another, no doubt about it, homerun! Fast, durable, and simply a blast to drive, it is the perfect all-around, fun for all truck!

THE LAST WORD

Helion did not have to think outside of the box all that much to go from the already successful Dominus 10SC to the Brushless Dominus 10TR. The upgraded power system featuring the Reaktor motor and speed control provide more than enough pop and the new body, tires and wing suit the platform exceptionally well. Someone at Helion is deserving of a big thumbs up as the Brushless Dominus 10TR could be the first vehicle to start a 1/10 truggy craze that other manufacturers might follow. Even though HobbyTown USA has an exclusive on the Brushless Dominus 10TR, they won't need to clear too much shelf space for them as 10TR will be flying out the door one right after the other. ©

Links
Helion helionrc.com, 402-434-5385
Radiant radiant-rc.com, 402-434-5050

For more information, please see our source guide on page 113.



Clockwise from left: A metal motor mount on the Brushless Dominus 10TR is very rigid and helps disperse heat. The 32-pitch pinion and spur gears are enclosed to keep them free from dirt and help prevent premature failure. The Brushless Dominus 10TR comes with a 7-cell hump back NiMH battery pack. It is placed on the left hand side of the chassis and the upper hold down prevents the battery from sliding out of position from left to right. The 3500Kv Reaktor motor and waterproof speed control give the Brushless Dominus 10TR some serious get up and go! The ESC features three voltage cut-off settings to accommodate LiPo and NiMH packs.