

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Serpent](#) /
- › [Serpent X20 1/10 RC Touring Car Instruction Manual](#)

Serpent 400039

Serpent X20 1/10 RC Touring Car Instruction Manual

Model: 400039

INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Serpent X20 1/10 RC Touring Car. Please read it thoroughly before operating the vehicle to ensure safe and optimal performance. The Serpent X20 is a 1/10 scale 4WD electric touring car, featuring a brushless motor, carbon fiber, and CNC aluminum parts, designed for high-speed racing.

WHAT'S IN THE BOX

Upon opening your Serpent X20 package, you should find the following components:

- Remote Control
- Product Manual (this document)
- Sticker Sheet for customization
- Serpent X20 1/10 RC Touring Car (pre-assembled)

Note: Batteries and charger are not included and must be purchased separately.

KEY FEATURES

- **Race-Ready Excellence:** Factory assembled 1/10 scale Touring RC Car with racing tires, pre-cut and pre-painted bodywork, and high-quality Dragon-RC electronics.
- **Precision Chassis Design:** Ultra-narrow, symmetrical black fiberglass chassis plate optimized for flex and durability, with countersunk holes and strategically placed gear differentials, spools, and gear bags for maximum performance.
- **Enhanced Suspension:** Features lower front wishbones, anti-roll bar compatibility, and a C-hub/steering block system for precise steering and feedback.
- **Powerful Electronics:** Equipped with Dragon-RC 45A electronic speed controller and a brushless 9T motor for impressive acceleration and speed.
- **Versatile Racing Experience:** Suitable for both competitive racing and leisure use on various tracks.

SETUP GUIDE

Follow these steps to prepare your Serpent X20 for its first use.

1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Inspect the car and remote control for any visible damage. Ensure all parts listed in "What's in the Box" are present.



Image: The Serpent X20 RC car and its remote control shown inside the product packaging.

2. Applying Decals (Optional)

The included sticker sheet allows for personalization of your RC car. Carefully peel and apply the desired decals to the car body.



Image: A person's hands carefully applying a Serpent logo decal from the sticker sheet onto the white and orange RC car body.

3. Battery Installation

Remove the car body by detaching the body clips. Install a fully charged LiPo battery (not included) into the designated battery compartment. Secure the battery with the provided straps or holders. Connect the battery to the Electronic Speed Controller (ESC).

X20
1/10 SCALE ELECTRIC
TOURING CAR
RTR

Serpent



Image: A close-up view of the RC car's chassis, showing a LiPo battery being inserted into its compartment and connected to the electronic components.

4. Remote Control Setup

Install batteries into the remote control. Power on the remote control first, then the car. Ensure the remote and car are properly bound. Adjust the trim settings on the remote control for steering and throttle as needed to ensure the car remains straight and stationary when the controls are neutral.

X20
1/10 SCALE ELECTRIC
TOURING CAR
RTR

Serpent



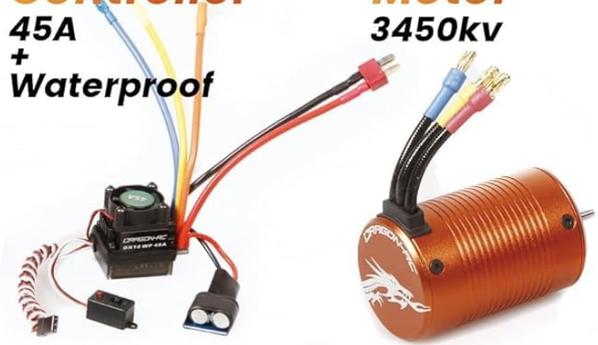
Transmitter

Receiver



Speed-Controller
45A
+
Waterproof

Brushless Motor
3450kv



6KG High Torque Servo with Metal Gears



Image: The remote control transmitter and the car's receiver unit, highlighting the electronic components for control.

5. Pre-Run Checks

Before each run, check the following:

- Ensure all screws are tight.
- Verify battery charge levels in both the car and remote.
- Check tire condition and ensure they are securely mounted.
- Test steering and throttle response.
- Inspect the suspension for proper movement and damping.

X20

1/10 SCALE ELECTRIC
TOURING CAR

RTR

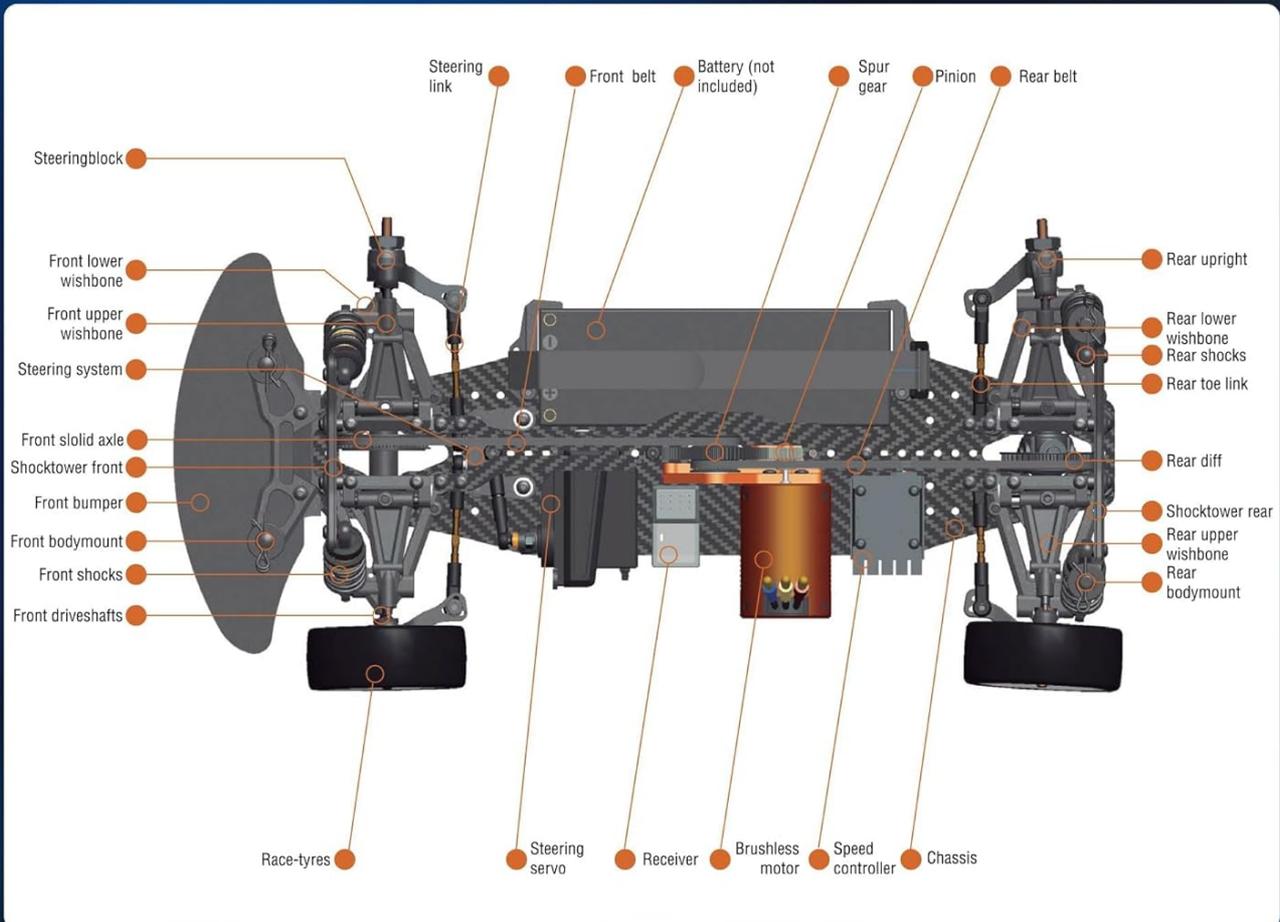


Image: A detailed diagram of the Serpent X20 RC car chassis, with various components such as steering block, wishbones, shocks, and motor clearly labeled.

OPERATING INSTRUCTIONS

Operating your Serpent X20 is straightforward, but practice is key to mastering its performance.

1. **Power On:** Turn on the remote control first, then the RC car.
2. **Driving:** Use the steering wheel on the remote for direction and the trigger for throttle (forward) and brake/reverse.
3. **Speed Control:** The brushless motor provides significant power. Start with gentle throttle inputs to get accustomed to the car's speed and handling.
4. **Turning:** Practice smooth turns. The car's enhanced suspension allows for precise handling.
5. **Braking/Reversing:** Push the trigger forward from neutral to brake, then push again for reverse.
6. **Power Off:** Always turn off the RC car first, then the remote control.

Important Safety Note: Always operate your RC car in a safe, open area away from people, pets, and obstacles. Avoid public roads. This product is recommended for users aged 18 and above.

Official Product Video: Unboxing and Operating Instructions

Your browser does not support the video tag.

Video: This official video from Serpent Store demonstrates the unboxing process of the Serpent X20 RC car and provides a visual guide on its initial setup and operation, including battery installation and remote control usage.

MAINTENANCE

Regular maintenance will extend the life and performance of your Serpent X20.

- **Cleaning:** After each use, clean the car to remove dirt, dust, and debris. Use a soft brush or compressed air. Avoid water directly on electronics.
- **Inspections:** Periodically check for loose screws, worn tires, damaged suspension components, or frayed wires. Replace any damaged parts immediately.
- **Lubrication:** Apply appropriate RC-specific lubricants to moving parts like gears and bearings as recommended by Serpent.
- **Battery Care:** Follow the manufacturer's instructions for charging, discharging, and storing LiPo batteries to ensure safety and longevity.
- **Storage:** Store the car in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Here are some common issues and their solutions:

Problem	Possible Cause	Solution
Car does not respond to remote.	Low battery in car or remote; not bound; power switch off.	Charge/replace batteries; re-bind remote and car; ensure power is on.
Car runs slowly or inconsistently.	Low car battery; motor/ESC overheating; debris in drivetrain.	Recharge battery; allow components to cool; clean drivetrain.
Steering is off-center.	Steering trim incorrect; damaged steering servo.	Adjust steering trim on remote; inspect/replace servo.
Unusual noises during operation.	Damaged gears; loose components; motor issue.	Inspect gears for damage; tighten loose parts; consult support if motor issue persists.

SPECIFICATIONS

Feature	Detail
Product Dimensions	6.8 x 9 x 21 inches
Item Weight	4.7 pounds
Model Number	400039-R
Manufacturer Recommended Age	18 years and up
Manufacturer	Serpent

Feature	Detail
Scale	1/10
Drive System	4WD (Four-Wheel Drive)
Motor Type	Brushless 9T
Electronic Speed Controller (ESC)	Dragon-RC 45A, Waterproof
Chassis Material	Black Fiberglass
Parts Material	Carbon Fiber & CNC Aluminum

WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact Serpent customer service directly. Refer to the official Serpent website or the contact information provided in your product packaging for the most up-to-date support details.

You can also visit the [Serpent Store on Amazon](#) for additional product information and accessories.

