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## X-Verse SG316MAX

# X-Verse SG316 MAX Fast RC Car Instruction Manual

Model: SG316MAX | Brand: X-Verse

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and effective operation, maintenance, and troubleshooting of your X-Verse SG316 MAX Fast RC Car. Please read this manual thoroughly before operating the vehicle to ensure optimal performance and longevity.

The X-Verse SG316 MAX is a 1:16 scale, 4WD brushless motor remote control truck designed for high-speed off-road and drift performance. It features robust construction and advanced components for an exhilarating driving experience across various terrains.

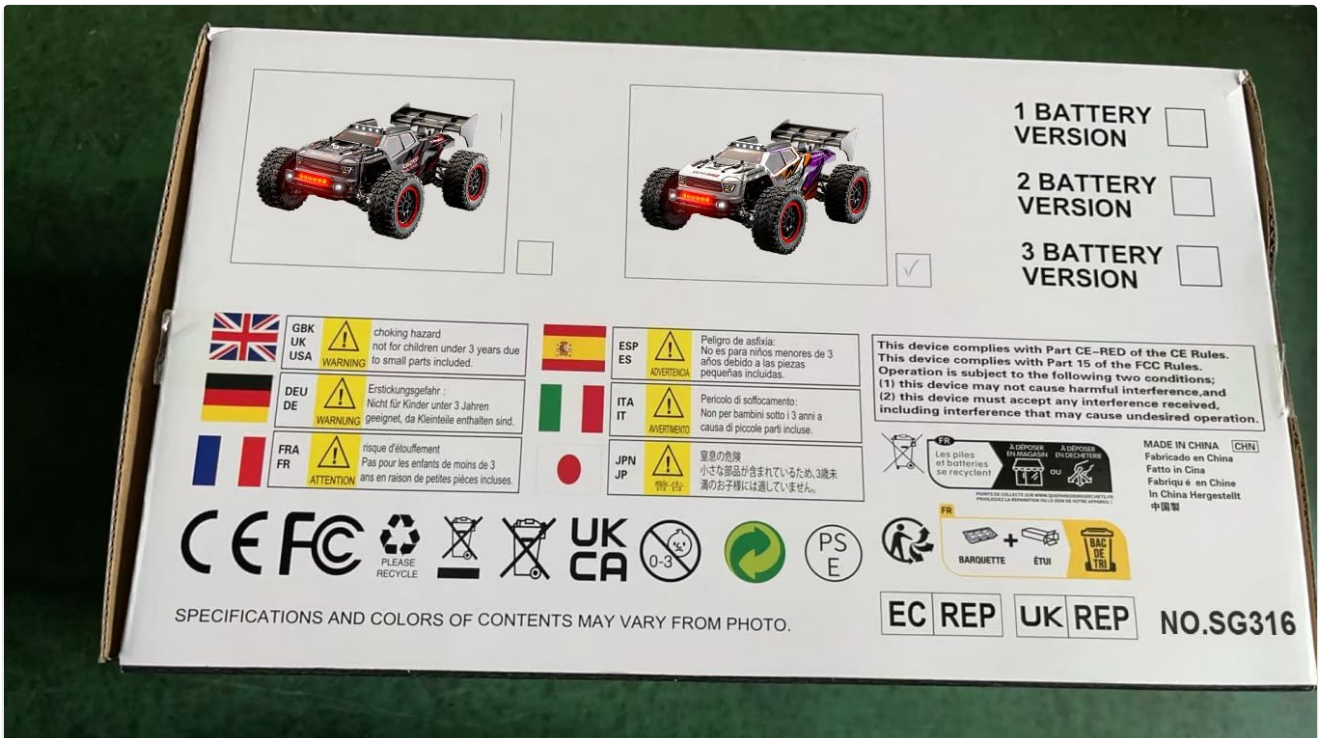


Figure 1.1: X-Verse SG316 MAX RC Car highlighting proportional steering, metal differential, 4WD, 2.4G remote control, metal rotating structure, independent suspension, and LED headlights.

## 2. SAFETY INFORMATION

Operating remote control vehicles requires caution. Please adhere to the following safety guidelines:

- **Age Recommendation:** This product is recommended for users 14 years and up. Adult supervision is advised for younger users.
- **Operating Environment:** Operate the RC car in open, clear areas away from people, pets, and obstacles. Avoid public roads, crowded places, and areas with water or electrical hazards.
- **Battery Safety:** Use only the specified batteries and charger. Do not overcharge or short-circuit batteries. Store batteries in a cool, dry place. Discontinue use if batteries show signs of damage or swelling.
- **Motor and Electronic Safety:** The brushless motor can become hot during operation. Avoid touching it immediately after use. Keep electronics dry and free from debris.
- **Choking Hazard:** This product contains small parts and is not suitable for children under 3 years of age.
- **Maintenance:** Perform regular checks for loose parts, damaged components, or worn tires. Replace damaged parts immediately.

### 3. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present and in good condition:

- X-Verse SG316 MAX RC Car
- 2.4GHz Remote Control Transmitter
- Rechargeable Batteries (3 included with this model)
- USB Charging Cable
- Storage Bag
- Tool Kit (e.g., screwdriver, wrench, spare parts)
- Instruction Manual (this document)



Figure 3.1: Overview of the X-Verse SG316 MAX package contents.

## 4. SETUP

### 4.1 Charging the Batteries

1. Connect the provided USB charging cable to a compatible USB power source (e.g., computer USB port, USB wall adapter).
2. Connect the battery to the charging cable.
3. Allow the battery to charge fully. The indicator light on the charger will change (e.g., from red to green) when charging is complete.
4. Disconnect the battery from the charger once fully charged. Do not leave batteries charging unattended.

### 4.2 Installing Batteries in the RC Car

1. Locate the battery compartment on the RC car, typically on the underside or accessible by removing the car

shell.

2. Open the battery compartment cover.
3. Insert the fully charged battery into the compartment, ensuring correct polarity.
4. Securely close the battery compartment cover.

### **4.3 Installing Batteries in the Remote Control**

1. Locate the battery compartment on the remote control transmitter.
2. Open the battery compartment cover.
3. Insert the required batteries (usually AA, not included) into the compartment, observing correct polarity.
4. Securely close the battery compartment cover.

### **4.4 Pairing the Remote Control**

1. Turn on the RC car by pressing its power button.
2. Turn on the remote control transmitter.
3. The remote control and car should automatically pair. A successful connection is usually indicated by a solid light on both the car and the remote.
4. If pairing fails, turn off both devices and repeat the process. Refer to the remote control diagram for specific button locations.

## **5. OPERATING**

### **5.1 Remote Control Functions**





Figure 5.1: Remote Control Layout and Functions.

- **Steering Wheel:** Rotate left or right to control the direction of the car.
- **Gas Pedal (Trigger):** Pull to accelerate forward. Push to brake or reverse.
- **Speed Regulation:** Adjust the speed settings (High, Medium, Slow) to match your skill level and operating environment.
- **Light Control Buttons:** Toggle the LED headlights through different modes (constant light, slow flash, fast flash).
- **Rudder Size Adjustment:** Fine-tune the steering trim for straight-line driving.

## 5.2 Driving the RC Car

- **Starting:** Place the car on a flat surface. Ensure the remote control is paired.
- **Acceleration:** Gently pull the gas pedal trigger to move forward. The brushless motor provides powerful and

instantaneous acceleration.

- **Steering:** Use the steering wheel to navigate. The 4WD system and metal differentials provide precise control and stability.
- **Braking/Reversing:** Push the gas pedal trigger forward to apply brakes or to reverse the car.
- **Off-Road Performance:** The independent spring shock absorbers and large tires allow for smooth operation over uneven terrain, including sand, grass, and mud.
- **Head-Up Wheels:** The integrated head-up wheels help prevent overturning during rapid acceleration and aid in stable landings after jumps.



Figure 5.2: The powerful brushless motor enables speeds up to 80 KM/H (approximately 50 MPH).



Figure 5.3: Head-up wheels prevent overturning from high starting horsepower and improve landing stability.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and performance of your RC car:

- **Cleaning:** After each use, especially in dirty or dusty conditions, clean the car with a soft brush or cloth to remove dirt and debris. Avoid using water directly on electronic components.
- **Inspecting Components:** Regularly check for loose screws, damaged parts (e.g., suspension arms, drive shafts, tires), or worn gears. Tighten loose screws and replace damaged components promptly.
- **Lubrication:** Periodically apply a small amount of silicone grease to moving parts like differentials and bearings to reduce friction and wear.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully charged or completely depleted batteries for extended periods. Charge them to about 50% for long-term storage.
- **Tire Inspection:** Check tires for wear and tear. Ensure they are securely mounted to the wheels.

# FRONT AND REAR METAL DIFFERENTIALS

front and rear metal differentials with metal rotating shaft. Four-wheel drive linkage, more powerful.



Figure 6.1: Metal differentials require occasional inspection and lubrication for optimal performance.

# INDEPENDENT SPRING SHOCK ABSORBER

The body has four independent shock absorbers.  
Smoother ride



Figure 6.2: Inspect independent shock absorbers for damage or leaks.

## 7. TROUBLESHOOTING

If you encounter issues with your X-Verse SG316 MAX, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Car does not respond to remote.	Low battery in car or remote; Not paired; Interference.	Charge/replace batteries. Re-pair car and remote. Move to an area with less interference.
Car runs slowly or lacks power.	Low battery in car; Motor/gear issue; Obstruction.	Fully charge car battery. Check for debris in gears or motor. Inspect motor for damage.
Steering is erratic or unresponsive.	Steering trim incorrect; Damaged servo; Loose connections.	Adjust steering trim on remote. Check servo for damage. Ensure all connections are secure.

Problem	Possible Cause	Solution
Car makes unusual noises.	Debris in gears; Damaged gears or bearings.	Inspect and clean gears. Replace any damaged gears or bearings.
Short operating time.	Battery not fully charged; Battery degradation.	Ensure battery is fully charged. Consider replacing old batteries.

If the problem persists after attempting these solutions, please contact X-Verse customer support for further assistance.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	SG316MAX
Scale	1:16
Drive System	4-Wheel Drive (4WD)
Motor Type	Brushless Motor
Top Speed	Up to 80 km/h (approx. 50 mph)
Remote Control Frequency	2.4 GHz
Remote Control Range	Up to 300 meters
Battery Capacity	1500 mAh (per battery)
Operating Time	Approx. 40 minutes (with upgraded battery)
Product Dimensions	12.99 x 8.46 x 4.53 inches
Recommended Age	14 years and up
Manufacturer	X-Verse

## 9. WARRANTY AND SUPPORT

X-Verse stands behind the quality of its products. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official X-Verse website.

For technical support, replacement parts, or any inquiries not covered in this manual, please contact X-Verse customer service. Contact information can typically be found on the product packaging or the official X-Verse website.

Please have your model number (SG316MAX) and purchase information ready when contacting support.

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