**TeeGGi 16102 pro**

# TeeGGi 16102 Pro Fast RC Car Instruction Manual

Model: 16102 pro

## 1. Safety Information

Please read all safety warnings and instructions carefully before operating the RC car. Failure to do so may result in injury or damage to the product.

- **Age Recommendation:** Not suitable for children under 14 years old. Adult supervision is recommended for all users.
- **Operating Environment:** Operate the RC car in open, clear areas away from people, pets, vehicles, and obstacles. Do not operate on public roads or near water.
- **Battery Safety:**
  - Use only the specified batteries and charger.
  - Do not overcharge or over-discharge batteries.
  - Do not expose batteries to extreme temperatures or direct sunlight.
  - If batteries swell or show signs of damage, discontinue use immediately.
  - Always disconnect batteries from the car when not in use.
- **Moving Parts:** Keep fingers, hair, and loose clothing away from moving parts such as wheels and gears.
- **Heat:** The motor and other electronic components can become hot during operation. Avoid touching them immediately after use.

## 2. Product Overview

The TeeGGi 16102 Pro is a high-performance 1:16 scale remote control car designed for off-road driving. It features a powerful brushless motor, 4WD system, and durable construction for an exhilarating driving experience.

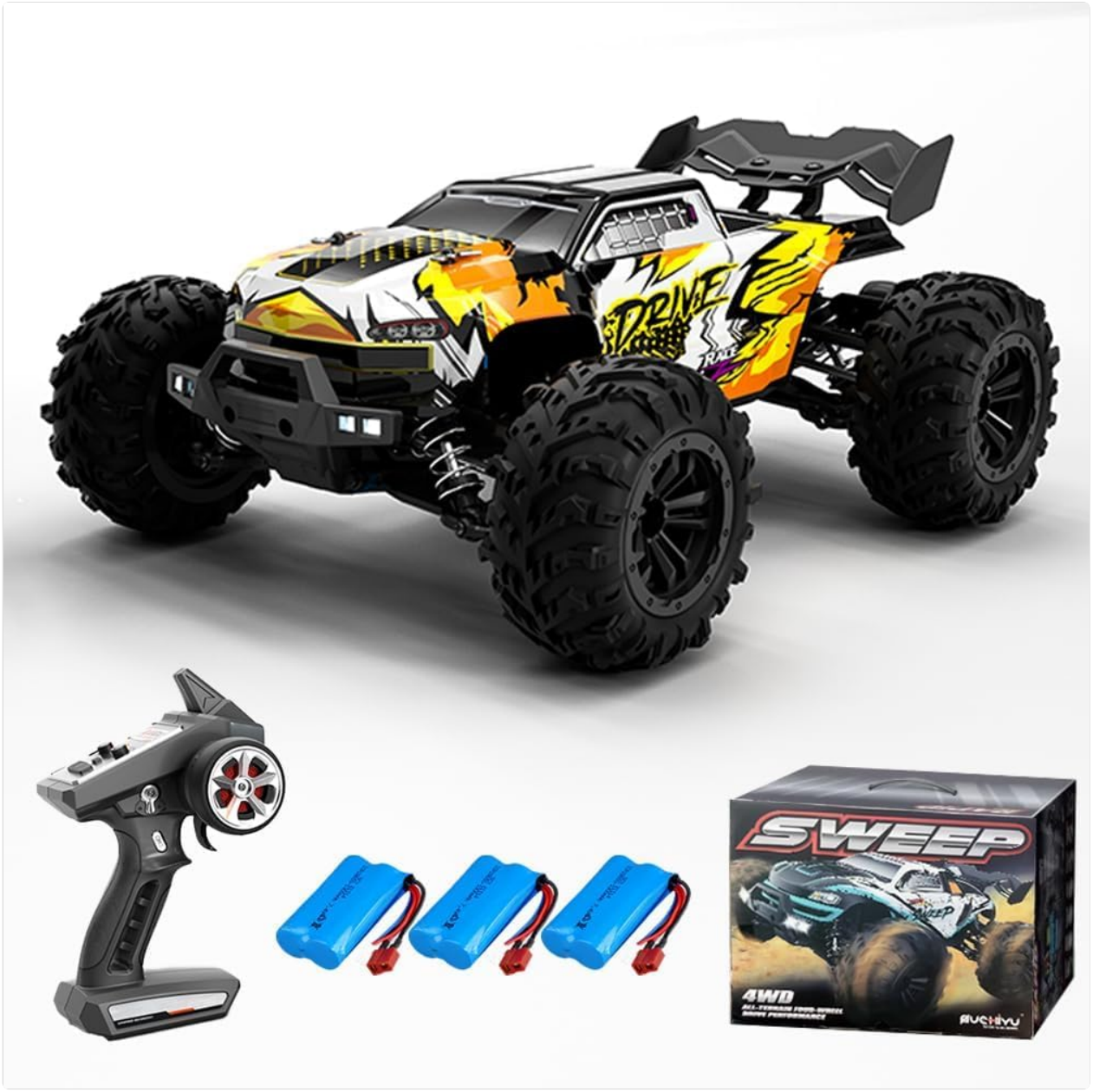


Image: The TeeGGi 16102 Pro RC car, its remote controller, three Lipo batteries, and the product packaging.

## Key Features:

- **Brushless Motor:** Powerful brushless motor capable of reaching speeds up to 45mph (70km/h).
- **2.4GHz Remote Control:** Ensures stable signal transmission with a range of up to 150 meters, preventing interference.
- **Long Battery Life:** Equipped with three 2S 7.4V 1500mAh Li-ion batteries, providing up to 20 minutes of run time per battery.
- **Full Proportional Control:** Precise throttle and steering control for a realistic driving feel, including full gear stepless speed change.
- **LED Headlights:** Features three modes: normal light, slow flashing, and fast flashing.
- **High Stability:** Four-wheel drive system with front and rear upright spring damping and double wishbone independent suspension for excellent handling on various terrains. Includes head-up wheels and large foot tires for strong grip.
- **High Reliability:** Constructed with metal differential, metal differential cup, metal CVD front drive shaft, metal rear dogbone, metal wheel cups, metal second bottom plate, metal front and rear arm yards, and metal center drive shaft for enhanced durability and impact resistance.

## What's in the Box:

- RC Car (16102 Pro)
- Remote Controller
- LiPo Batteries (x3)
- Charging Cable

## 3. Setup

### 3.1 Charging the Batteries

1. Connect the charging cable to the LiPo battery.
2. Plug the USB end of the charging cable into a suitable USB power adapter (e.g., computer USB port, wall adapter).
3. The indicator light on the charging cable will show the charging status (refer to charger's specific instructions for light indications).
4. Once fully charged, disconnect the battery from the charger. Charging time is approximately 3-4 hours per battery.

### 3.2 Installing Batteries

#### For the RC Car:

1. Remove the body clips and lift the car body shell.
2. Locate the battery compartment.
3. Insert a charged 7.4V 1500mAh LiPo battery into the compartment.
4. Connect the battery's T-type plug to the car's power connector.
5. Secure the battery if there are straps or holders.
6. Replace the car body shell and secure it with the body clips.

#### For the Remote Controller:

1. Open the battery cover on the back of the remote controller.
2. Insert AA batteries (included) according to the polarity markings (+/-).
3. Close the battery cover.

### 3.3 Pairing the Remote Controller

1. Ensure both the RC car and the remote controller have fresh batteries installed.
2. Turn on the RC car first using its power switch.
3. Turn on the remote controller.
4. The remote and car should automatically pair. If not, refer to the remote's specific pairing button/procedure (usually involves holding a button on the remote while turning it on, or pressing a bind button on the car's receiver).
5. Once paired, the indicator lights on both devices will stabilize.

## 4. Operating

### 4.1 Remote Controller Functions

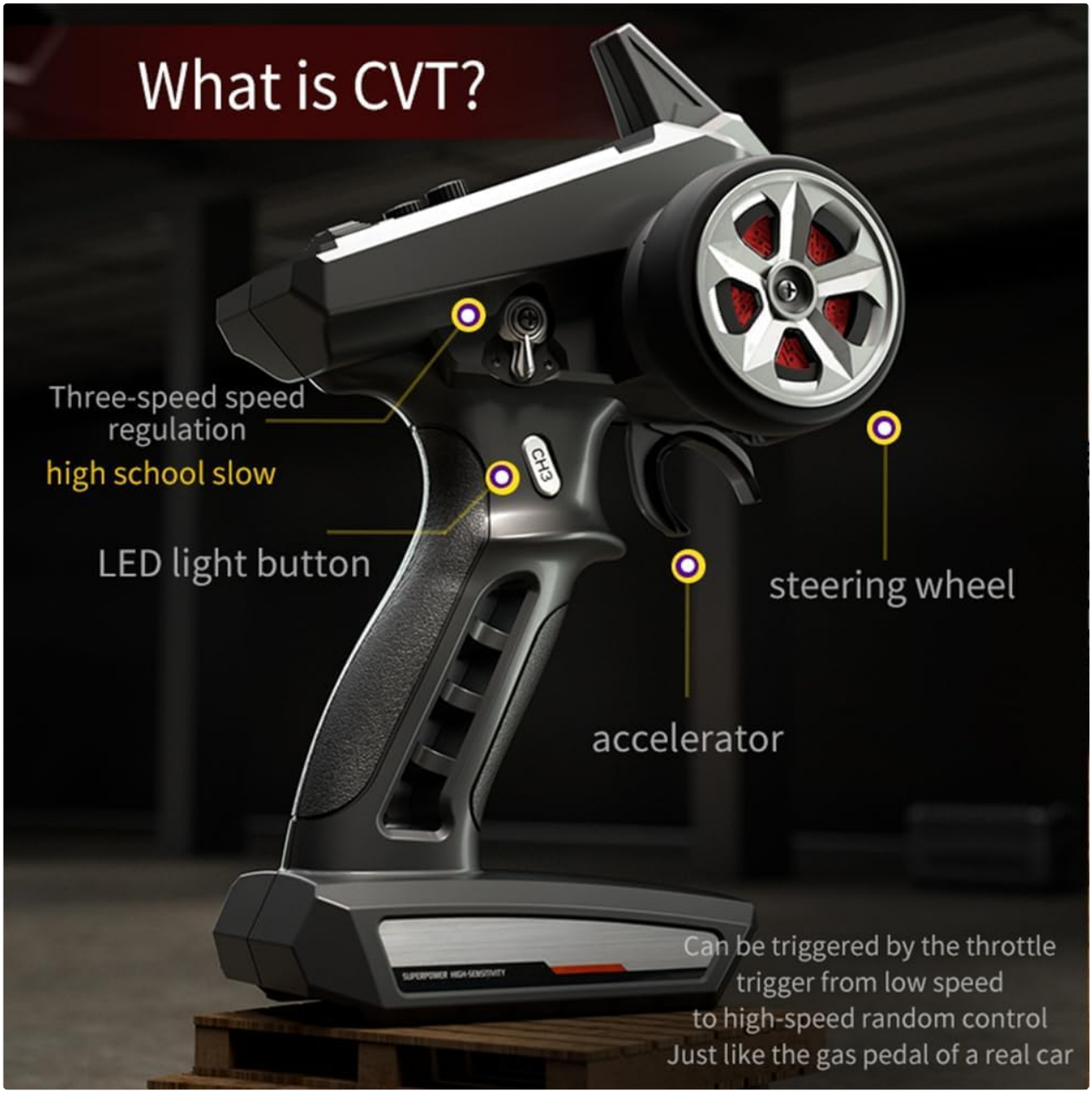


Image: Diagram showing the remote control with labels for steering wheel, accelerator trigger, three-speed regulation switch, and LED light button.

- **Accelerator Trigger:** Pull to accelerate forward, push to brake/reverse.
- **Steering Wheel:** Turn left or right to steer the car.
- **Three-speed Regulation Switch:** Adjusts the maximum speed of the car (High, Medium, Low). Useful for beginners or confined spaces.
- **LED Light Button:** Cycles through LED headlight modes (normal light, slow flashing, fast flashing, off).

## 4.2 Driving Tips

- Start with the lowest speed setting until you are comfortable with the controls.
- Practice steering and throttle control in an open area.
- The car is designed for various terrains including flat surfaces, sand, mud, and grass.
- Avoid driving into water puddles or extremely wet conditions to prevent damage to electronics.
- Be mindful of obstacles and sudden impacts, despite the car's robust construction.

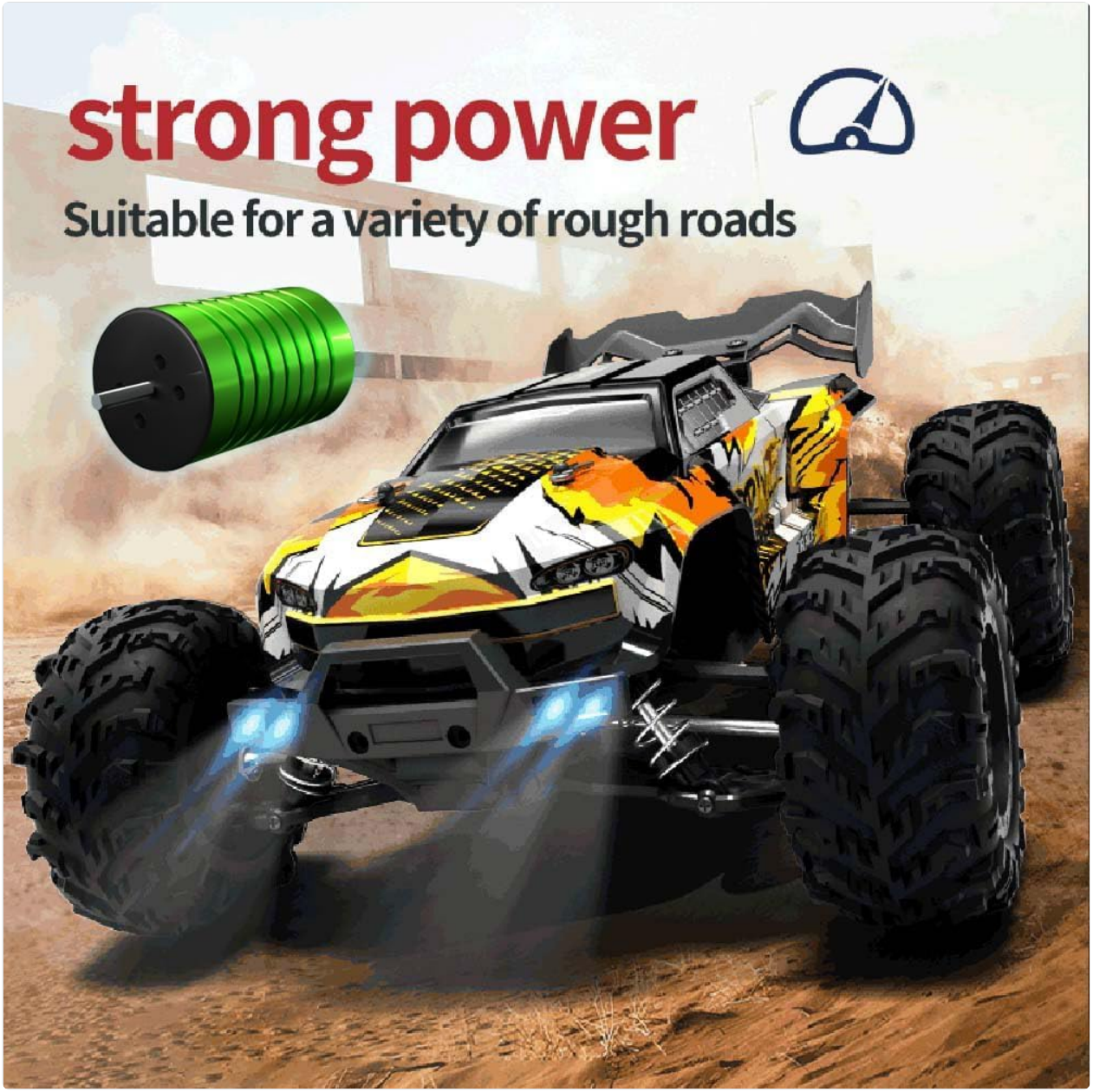


Image: The RC car demonstrating its strong power and suitability for various rough roads, shown on a dirt track.

## 5. Maintenance

Regular maintenance will extend the life and performance of your RC car.

- **Cleaning:** After each use, especially in dirty or dusty conditions, clean the car with a soft brush or compressed air to remove dirt and debris from the chassis, wheels, and suspension components. Do not use water or harsh chemicals.
- **Battery Care:**
  - Store LiPo batteries in a cool, dry place, ideally at a storage voltage (around 3.8V per cell).
  - Never store fully charged or fully discharged batteries for extended periods.
  - Inspect batteries for any damage before and after each use.
- **Screw Tightness:** Periodically check all screws, especially those on the wheels, suspension, and chassis, and tighten them if necessary. Vibrations during operation can cause screws to loosen.
- **Lubrication:** Lightly lubricate moving metal parts (e.g., drive shafts, differential gears) with RC-specific grease or oil as needed.
- **Inspection:** Regularly inspect the car for any damaged or worn parts, such as tires, shocks, or body

components. Replace damaged parts promptly.

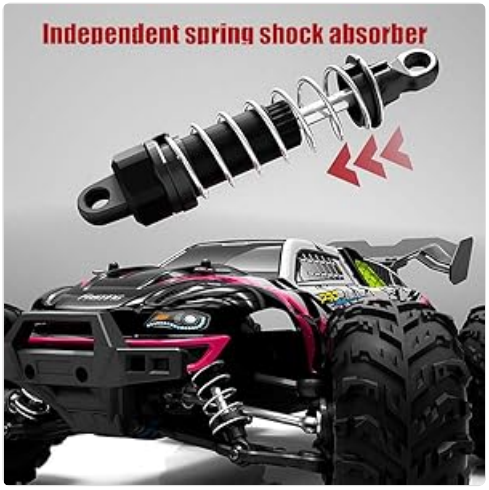


Image: A detailed view of an independent spring shock absorber, highlighting a key component for the car's stability and durability.

## 6. Troubleshooting

This section addresses common issues you might encounter with your RC car.

| Problem | Possible Cause | Solution |
|---|---|---|
| Car does not respond to remote. | Low battery in car or remote; Not paired; Power switch off. | Charge/replace batteries; Re-pair remote and car; Ensure both are switched on. |
| Car runs slowly or lacks power. | Low car battery; Speed mode set too low; Obstruction in drivetrain. | Charge car battery; Adjust speed mode on remote; Check for debris in gears/wheels. |
| Car pulls to one side. | Steering trim not adjusted; Damaged steering component. | Adjust steering trim on remote; Inspect steering linkage for damage. |
| Unusual noise from car. | Debris in gears; Loose screws; Worn parts. | Clean gears; Tighten all screws; Inspect and replace worn components. |
| Short operating time. | Battery not fully charged; Old/damaged battery; Aggressive driving. | Ensure full charge; Consider replacing battery; Drive less aggressively. |

## 7. Specifications

| Feature | Detail |
|---|---|
| Product Dimensions | 11.81 x 9.06 x 4.53 inches |
| Item Weight | 2.2 pounds |
| Model Number | 16102 pro |

| Feature | Detail |
| --- | --- |
| Manufacturer Recommended Age | 14 years and up |
| Batteries | 3 x 2S 7.4V 1500mAh LiPo (included for car), AA batteries (included for remote) |
| Top Speed | Up to 45mph (70km/h) |
| Motor Type | Brushless |
| Control Frequency | 2.4GHz |
| Drive System | 4-Wheel Drive (4WD) |

## 8. Warranty and Support

TeeGGi products are manufactured to high quality standards. For warranty information, technical support, or replacement parts, please contact the seller or manufacturer directly through the platform where the product was purchased.

Please retain your proof of purchase for any warranty claims.