

## Tamiya 18621

# Tamiya 1/32 Mini 4WD PRO No.21 Bison Magnum Instruction Manual

Model Number: 18621

## 1. INTRODUCTION

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Thank you for purchasing the Tamiya 1/32 Mini 4WD PRO No.21 Bison Magnum model kit. This kit allows you to assemble a high-performance four-wheel drive racer designed for enjoyable racing. This manual provides essential information for the assembly, setup, operation, and maintenance of your Mini 4WD PRO model.

## 2. SAFETY INFORMATION

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- This product is a plastic model kit and requires assembly.
- Keep small parts out of reach of young children to prevent choking hazards.
- Use appropriate tools as instructed and handle them with care to avoid injury.
- Ensure batteries are inserted with correct polarity. Do not mix old and new batteries or different types of batteries.
- Do not dispose of batteries in fire.
- No specific safety warnings apply beyond general model kit handling and battery usage guidelines.

## 3. ASSEMBLY INSTRUCTIONS

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This kit requires assembly. Please refer to the detailed instruction sheet included in the package for step-by-step guidance. The following provides an overview of key assembly features:

- **Chassis Structure:** The chassis is composed of three main parts: the nose, center, and tail units. These units can be attached and detached with a single touch, allowing for quick and wide-ranging setting changes.
- **Motor Placement:** A double shaft motor, with shafts extending from both ends, is mounted in the center of the chassis. This design achieves high drive efficiency.
- **Body Design:** The Bison Magnum features a curved body design, reminiscent of the Magnum Saber, with

structural material-like shapes at the front of the cockpit and a distinctive boomerang-shaped rear wing. The nose unit used is N-02.

- **Tools Required:** Separate tools such as nippers, screwdrivers, and hobby knives are required for assembly.



*Image: The Tamiya 1/32 Mini 4WD PRO No.21 Bison Magnum model kit, fully assembled and painted. The model measures 152mm in length.*

## 4. SETUP

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- **Battery Installation:** Two AA batteries are required (sold separately). Install them by distributing them to the left and right of the motor. This low-center-of-gravity design contributes to stable high-speed running.
- **Wheel and Tire Attachment:** Securely attach the wheels and tires according to the assembly instructions.
- **Roller Setup:** Ensure all rollers are properly installed and move freely to optimize cornering performance.

## 5. OPERATING INSTRUCTIONS

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Once assembled and set up, your Tamiya Mini 4WD PRO Bison Magnum is ready for operation.

- **Power On:** Ensure the batteries are correctly installed and switch the power to the 'ON' position.
- **Track Usage:** Place the Mini 4WD on a designated Mini 4WD race track. The double shaft motor and low-center-of-gravity design provide stable and efficient high-speed performance.
- **Adjustments:** The detachable chassis parts (nose, center, tail) allow for quick adjustments to adapt to different track layouts and conditions. Experiment with various settings to optimize performance.

## 6. MAINTENANCE

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Regular maintenance will ensure the longevity and optimal performance of your Mini 4WD PRO model.

- **Cleaning:** After each use, clean the chassis, wheels, and motor area to remove dust and debris. Use a soft brush or cloth.
- **Gear Inspection:** Periodically check the gears for wear and tear. Replace any damaged gears to maintain

smooth power transmission.

- **Motor Care:** Keep the motor free from obstructions. If performance degrades, consider replacing the motor.
- **Battery Removal:** Always remove batteries when the model is not in use for extended periods to prevent leakage.

## 7. TROUBLESHOOTING

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If you encounter issues with your Mini 4WD PRO, refer to the following common troubleshooting steps:

- **Model does not move:**
  - Check if the batteries are correctly installed and charged.
  - Ensure the power switch is in the 'ON' position.
  - Verify that the motor is properly connected and functioning.
  - Inspect gears for any obstructions or damage.
- **Model runs slowly or inconsistently:**
  - Replace old batteries with new ones.
  - Clean any dirt or dust from the moving parts, especially around the axles and gears.
  - Check for excessive friction in the drivetrain or wheels.
- **Model veers off track:**
  - Ensure all wheels are securely attached and straight.
  - Check the rollers for proper rotation and alignment.
  - Inspect the chassis for any damage or warping.

## 8. SPECIFICATIONS

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<b>Brand</b>	Tamiya
<b>Model Name</b>	1/32 Mini 4WD PRO No.21 Bison Magnum
<b>Model Number</b>	18621 (TAM18621)
<b>Scale</b>	1:32 Scale
<b>Assembled Length</b>	152 mm
<b>Assembled Width</b>	92 mm
<b>Material Type</b>	Plastic
<b>Power Source</b>	Battery Powered
<b>Batteries Required</b>	Yes (2 x AA batteries, sold separately)
<b>Assembly Required</b>	Yes
<b>GTIN</b>	04950344186211

## 9. WARRANTY AND SUPPORT

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For any questions regarding assembly, missing parts, or product defects, please contact Tamiya customer support. Please retain your proof of purchase for warranty claims, if applicable. Specific warranty terms may vary

by region.