

Maverick MV150075

Maverick MV150075 Phantom XB 1/10 RTR Electric Buggy User Manual

Model: MV150075

1. INTRODUCTION

Thank you for choosing the Maverick MV150075 Phantom XB 1/10 RTR Electric Buggy. This Ready-To-Run (RTR) 4WD electric buggy is designed for enthusiasts seeking performance and durability. This manual provides essential information for the safe operation, maintenance, and optimal performance of your new RC vehicle. Please read this manual thoroughly before operating the vehicle.

2. SAFETY PRECAUTIONS

Operating a remote-controlled vehicle requires caution. Failure to operate safely can result in injury or damage to property. Always follow these guidelines:

- **Adult Supervision:** This product is not a toy. Adult supervision is recommended for users under 14 years of age.
- **Operating Environment:** Operate the vehicle in open areas away from people, pets, and obstacles. Avoid public roads, crowded areas, and water.
- **Battery Safety:** Use only the recommended battery and charger. Do not overcharge or short-circuit batteries. Disconnect the battery when not in use.
- **Heat:** The motor and electronic speed controller (ESC) can become hot during operation. Avoid touching these components immediately after use.
- **Moving Parts:** Keep fingers, hair, and loose clothing away from rotating parts such as wheels and gears.
- **Chemicals:** Keep batteries and electronic components away from children and pets. Do not ingest any parts or chemicals.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Maverick MV150075 Phantom XB 1/10 RTR Electric Buggy
- 2.4GHz Radio Transmitter

- 7.2V NiMH Battery Pack
- USB Charger
- Instruction Manual



Image 1: Maverick Phantom XB 1/10 RTR Electric Buggy, showing the vehicle, 2.4GHz radio transmitter, 7.2V battery pack, and USB charger.

4. SETUP

4.1 Charging the Battery

1. Connect the 7.2V NiMH battery pack to the included USB charger.
2. Plug the USB charger into a compatible USB power source (e.g., computer USB port, USB wall adapter).
3. Observe the charger's indicator light. It will typically show red during charging and turn green when fully charged. Refer to the charger's specific instructions for detailed light indications.
4. Charging time may vary, but typically takes 3-4 hours for a full charge. Do not leave batteries charging unattended.

4.2 Installing Batteries in the Transmitter

1. Open the battery compartment cover on the bottom of the 2.4GHz radio transmitter.
2. Insert the required number of AA batteries (not included) according to the polarity markings (+/-).
3. Close the battery compartment cover securely.

4.3 Installing the Vehicle Battery

1. Remove the body clips and carefully lift the body shell off the chassis.
2. Locate the battery compartment on the chassis.
3. Place the fully charged 7.2V NiMH battery pack into the compartment.
4. Secure the battery using the provided battery strap or clips.
5. Connect the battery connector to the Electronic Speed Controller (ESC) connector, ensuring correct polarity.
6. Reattach the body shell and secure it with the body clips.

4.4 Binding the Transmitter and Receiver

Your RTR vehicle typically comes pre-bound. If you experience loss of control or need to re-bind, follow these general

steps:

1. Ensure both the transmitter and vehicle batteries are fully charged.
2. Turn on the transmitter first.
3. Turn on the vehicle's power switch.
4. Locate the bind button on the receiver (usually a small button or a bind plug port).
5. Press and hold the bind button (or insert the bind plug) on the receiver while turning on the vehicle's power.
6. The receiver's LED should flash, then turn solid, indicating a successful bind.
7. Turn off both the vehicle and transmitter, then turn them on again (transmitter first) to confirm the bind.

5. OPERATING INSTRUCTIONS

5.1 Pre-Drive Checks

- Ensure all batteries are fully charged.
- Check that all screws and fasteners are tight.
- Verify that the steering trim on the transmitter is centered.
- Check for any obstructions in the drivetrain or suspension.

5.2 Starting the Vehicle

1. Turn on the 2.4GHz radio transmitter.
2. Turn on the power switch on the vehicle's Electronic Speed Controller (ESC).
3. The ESC will typically emit a series of beeps, indicating it's ready.

5.3 Controlling the Vehicle

- **Throttle:** Pull the trigger on the transmitter to accelerate forward. Push the trigger forward to engage the brake, and push again for reverse.
- **Steering:** Turn the steering wheel on the transmitter left or right to steer the vehicle.
- **Trim Adjustments:** Use the steering trim dial on the transmitter to ensure the vehicle drives straight when the steering wheel is centered.



Image 2: Side view of the Maverick Phantom XB 1/10 RTR Electric Buggy, highlighting its chassis and suspension components during operation.

5.4 Driving Tips

- Start with slow speeds to get accustomed to the controls.
- Avoid sudden acceleration or braking, especially on loose surfaces.
- Be mindful of battery life. Performance will decrease as the battery drains.
- If the vehicle becomes unresponsive or erratic, stop immediately and check connections and battery levels.

5.5 Stopping the Vehicle

1. Bring the vehicle to a complete stop using the brake.
2. Turn off the power switch on the vehicle's ESC.
3. Turn off the 2.4GHz radio transmitter.
4. Disconnect the battery from the ESC to prevent over-discharge.

6. MAINTENANCE

Regular maintenance ensures the longevity and performance of your Maverick Phantom XB.

6.1 After Each Run

- **Cleaning:** Remove dirt, dust, and debris from the chassis, suspension, and motor using a soft brush or compressed air. Avoid using water directly on electronics.
- **Inspection:** Check for loose screws, damaged parts (e.g., bent suspension arms, cracked body), and worn tires.
- **Battery Care:** Allow the battery to cool down before recharging. Store batteries in a cool, dry place.

6.2 Periodic Maintenance

- **Gear Mesh:** Periodically check the gear mesh between the pinion and spur gear. Adjust if necessary to prevent premature wear.
- **Bearings:** Inspect wheel bearings and other rotating parts for smooth operation. Replace worn bearings.
- **Shocks:** Check shock absorbers for leaks and proper damping. Refill or replace shock oil as needed.
- **Motor:** For brushed motors, inspect the motor brushes and commutator for wear. Replace the motor if performance degrades significantly.

6.3 Storage

- Store the vehicle in a clean, dry environment away from direct sunlight and extreme temperatures.
- Remove batteries from both the vehicle and transmitter during long-term storage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Vehicle does not respond to transmitter.	Low battery in vehicle or transmitter; Not bound; Power switch off.	Charge/replace batteries; Re-bind transmitter and receiver; Ensure power switches are ON.
Poor range or intermittent control.	Interference; Low transmitter battery; Loose antenna connection.	Change operating location; Replace transmitter batteries; Check antenna.
Vehicle runs slowly or lacks power.	Low vehicle battery; Motor/ESC overheating; Gear mesh too tight.	Recharge vehicle battery; Allow components to cool; Adjust gear mesh.

Problem	Possible Cause	Solution
Steering is off-center.	Steering trim incorrect; Damaged servo or linkage.	Adjust steering trim on transmitter; Inspect servo and linkage for damage.
Motor runs but wheels do not turn.	Stripped spur gear; Loose pinion gear; Broken drivetrain component.	Inspect and replace gears; Tighten pinion screw; Check drive shafts.

8. SPECIFICATIONS

- **Model:** MV150075 Phantom XB
- **Scale:** 1/10
- **Drive:** 4WD (Four-Wheel Drive)
- **Motor Type:** Brushed Electric Motor
- **Power Source:** Battery Powered (7.2V NiMH included)
- **Radio System:** 2.4GHz
- **Manufacturer:** Maverick
- **Item Weight:** Approximately 4.4 pounds (2 kg)
- **Product Dimensions:** Approximately 159.45 x 98.43 x 0.39 inches (405 x 250 x 10 mm) *-Note: These dimensions may refer to packaging or a specific component.*
- **Special Features:** Portable design, Ready-To-Run (RTR)

9. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact your retailer or the manufacturer directly. Keep your proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question