

49MHz Remote Control Off-Road Vehicle

User Manual for FCC-ID Certification

1. Product Identification

Item Specification Product Name 49MHz Remote Control Off-Road Vehicle Model Number [Fill in your product model here] Applicable Frequency 49MHz (Toy Control Band) Vehicle Power Source 3 × 1.5V AA (LR6) non-rechargeable batteries (not included) Transmitter Power Source 2 × 1.5V AA (LR6) non-rechargeable batteries (not included) Control Functions Forward / Reverse / Left Turn / Right Turn Control Range Up to 20 meters (open, unobstructed area) Applicable Age 6 years and older

2. Safety Warnings

Important Safety Instructions

Choking Hazard: Small parts. Not suitable for children under 3 years old.

Adult Supervision: Always use this product under direct adult supervision.

Battery Safety:

Do not mix old and new batteries, or alkaline, standard (carbon-zinc), or rechargeable batteries.

Insert batteries with the correct polarity (+/-) as marked inside the battery compartment.

Remove batteries from the vehicle and transmitter if the product will not be used for an extended period to prevent leakage and corrosion.

Do not short-circuit battery terminals, throw batteries into fire, or expose them to extreme heat, as they may explode or leak corrosive materials.

Environmental Use:

Do not operate in water, rain, or wet conditions, as this may damage electronic components and cause safety hazards.

Do not drive on public roads, near moving vehicles, or crowded pedestrian areas to avoid accidents.

Avoid operating in extreme temperatures (below 0°C or above 40°C) or direct sunlight for

long periods.

Modification Warning: Any changes or modifications to this product (including the transmitter) not expressly approved by the manufacturer will void the user's authority to operate the equipment.

3. Battery Installation

3.1 Vehicle (Car Body)

Turn the vehicle upside down to locate the battery compartment on the chassis.

Use a Phillips screwdriver to loosen and remove the screw securing the battery compartment cover.

Insert 3 × 1.5V AA (LR6) batteries into the compartment, matching the polarity (+/-) symbols shown inside.

Replace the cover and tighten the screw securely.

3.2 Transmitter (Remote Control)

Turn the transmitter over to locate the battery

compartment on the back.

Slide open or unscrew the battery compartment cover.

Insert 2 × 1.5V AA (LR6) batteries into the compartment, matching the polarity (+/-) symbols.

Replace the cover until it clicks or locks into place.

4. Operating Instructions

Power On: Locate the ON/OFF switch on the vehicle and slide it to the "ON" position.

Transmitter Activation: The transmitter is ready to use once batteries are installed correctly.

Control Operations:

Forward: Push the control lever forward.

Reverse: Pull the control lever backward.

Left Turn: Push the steering lever to the left.

Right Turn: Push the steering lever to the right.

Optimal Performance: Operate the vehicle within 20 meters of the transmitter in an open area. Obstacles, walls, or other wireless devices may reduce control range or cause interference.

Power Off: After use, slide the vehicle's power switch to the "OFF" position. Remove batteries from both units for long-term storage to prevent damage.

5. Troubleshooting

Problem	Possible Cause	Recommended Solution
Vehicle does not respond to transmitter	1. Dead or incorrectly installed batteries	Replace batteries and verify correct polarity
Vehicle or transmitter not powered on	Turn the vehicle's power switch to "ON"	
Out of control range	Move closer to the vehicle	
Radio frequency interference	Move to a location with fewer wireless devices	
Slow or sluggish movement	1. Low battery power	Replace with new AA batteries
Debris stuck in wheels or chassis	Clean the wheels and chassis to remove obstructions	
Erratic movement or signal drop	1. Low transmitter battery power	Replace transmitter batteries
	2.	

Interference from other 49MHz devices Turn off nearby devices or move to a different location6.
FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does

cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.

7. Technical Specifications

Parameter	Details	Product Type	49MHz Remote Control Toy Off-Road Vehicle
Operating Frequency	49MHz (typical toy control frequency band)	Vehicle Battery	3 × 1.5V AA (LR6) non-rechargeable batteries
Transmitter Battery	2 × 1.5V AA (LR6) non-rechargeable batteries	Control Functions	Forward, Reverse, Left Turn, Right Turn
Control Range	Up to 20 meters (open, unobstructed area)	Operating Temperature	0°C ~ +40°C
Storage Temperature	-10°C ~ +50°C	CEMC Classification	Class B Digital Device

8. Disposal and Environmental Information

Please dispose of this product and its batteries in accordance with local regulations. Do not dispose of electronic waste or batteries in unsorted municipal waste. Separate collection and recycling helps protect the environment and human health.