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› Pica Toys Wooden Wireless Remote Control F1 Racing Car Science Kit Instruction Manual

Pica Toys PCTF1C

Pica Toys Wooden Wireless Remote Control F1 Racing Car Science Kit

Model: PCTF1C

INTRODUCTION

This manual provides detailed instructions for assembling, setting up, operating, and maintaining your Pica Toys Wooden Wireless Remote Control F1 Racing Car Science Kit. Please read all instructions carefully before beginning assembly or operation to ensure proper function and safety.

SAFETY INFORMATION

Warning:

- Contains small parts. Keep away from children under 3 years of age to prevent choking hazards.
- Adult supervision is recommended during assembly and operation.
- Do not over-tighten screws during assembly, as this may damage the wooden components.
- Ensure all electrical connections are secure before operating the car.

PACKAGE CONTENTS

Verify that all components are present before starting assembly.



BUILD IT! MOVE IT! STEER IT! DRIFT IT!

Everything you need to build your own F1 racing car, all in one box!

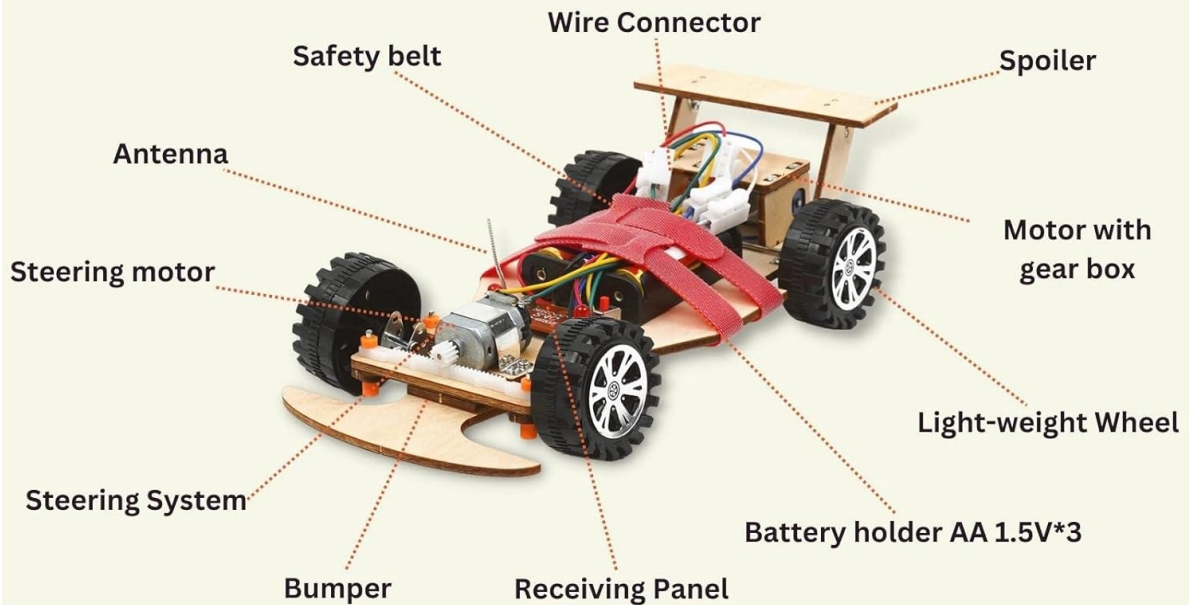


Image: Labeled diagram showing the various parts of the F1 racing car kit, including the safety belt, wire connector, spoiler, antenna, steering motor, steering system, bumper, receiving panel, battery holder, motor with gearbox, and lightweight wheels.

- Wooden chassis and body parts
- Wheels and axles
- Motor with gearbox
- Steering motor and system
- Wireless remote control board
- Battery holder (requires 3x AA 1.5V batteries, not included)
- Electrical wires and connectors
- Screws and small hardware
- Red safety straps
- Instruction manual (visual manual included)

ASSEMBLY INSTRUCTIONS

Follow these steps carefully to assemble your F1 Racing Car. A visual manual and assembly video are available to assist you.



**Assembly Video
included**



**Visual Manual
included**

STEM EDUCATION

**Building and racing our F1 car
kit is the perfect way for kids
to explore their love for STEM!**

Image: Two children working together to assemble the F1 racing car kit, demonstrating the hands-on building process.

Assembly Video Guide

Your browser does not support the video tag.

Video: A step-by-step visual guide demonstrating the assembly process of the Pica Toys Wooden R/C Racing Car F1C, including attaching wheels, motors, and wiring.

- 1. Prepare the Chassis:** Identify the main wooden chassis pieces. Gently detach them if they are part of a larger wooden sheet.
- 2. Install Rear Axle and Wheels:** Attach the rear axle and wheels to the designated slots on the chassis. Ensure they spin freely.
- 3. Install Main Motor:** Secure the main drive motor with its gearbox to the rear of the chassis using the provided screws. Connect the motor wires to the receiving panel as indicated in the visual manual.
- 4. Install Front Axle and Steering System:** Assemble the front axle with its wheels and attach the steering motor. Connect the steering motor wires to the receiving panel.
- 5. Mount Receiving Panel and Battery Holder:** Secure the main receiving panel and the battery holder to the chassis. Ensure all wires are connected correctly according to the color codes in the visual manual.
- 6. Attach Spoiler and Bumper:** Fasten the wooden spoiler to the rear and the bumper to the front of the car.
- 7. Secure Batteries:** Place 3x AA 1.5V batteries (not included) into the battery holder. Use the red safety straps to secure the batteries and any loose wiring, preventing movement during operation.

SETUP AND PAIRING

Before operating your F1 Racing Car, ensure the remote control is properly set up and paired with the car.

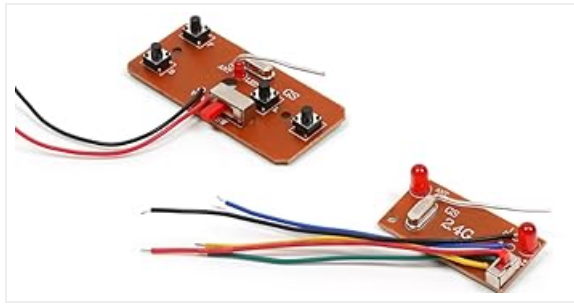


Image: Detailed view of the remote control board, highlighting the antenna, indicator light, and power switch. No soldering is required for connection.

1. **Remote Control Batteries:** Insert 2x AA 1.5V batteries (not included) into the remote control unit.
2. **Power On:** Turn on the power switch on both the car and the remote control. The indicator lights on both devices should illuminate.
3. **Pairing:** The car and remote are designed to pair automatically. If the car does not respond, turn both devices off and then on again. Ensure they are within close proximity during pairing.

OPERATING INSTRUCTIONS

Learn how to control your Pica Toys F1 Racing Car for an engaging driving experience.



Image: The fully assembled Pica Toys F1 racing car, made of wood, shown alongside its wireless remote control.

Basic Controls

- **Forward:** Press the designated button on the remote to move the car forward.
- **Backward:** Press the designated button on the remote to move the car backward.
- **Turn Left:** While moving forward or backward, press the left turn button to steer the car left.
- **Turn Right:** While moving forward or backward, press the right turn button to steer the car right.

Driving Tips

- The car performs best on smooth, hard surfaces. Avoid carpets or uneven terrain.
- The remote control has a range of up to 160 feet.
- Multiple cars can be operated simultaneously without interference, allowing for racing with friends.

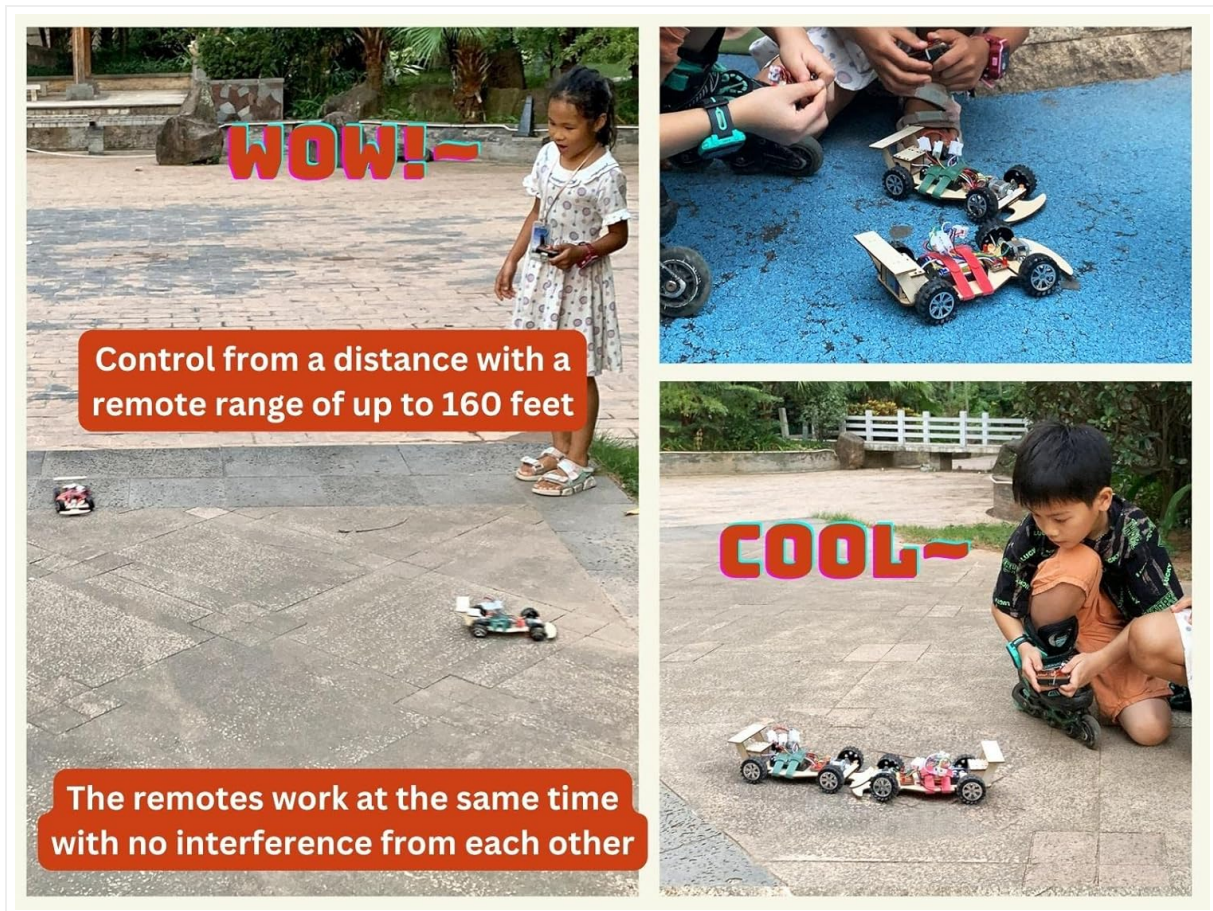


Image: Two children operating their Pica Toys F1 racing cars with remote controls on a paved outdoor surface, demonstrating multi-player functionality.

Operation Video Guide

Your browser does not support the video tag.

Video: A demonstration of the Pica Toys Wooden Racing R/C Car Kit F1C in action, showcasing its movement, steering, and racing capabilities with multiple cars.

MAINTENANCE

Proper maintenance will extend the life and performance of your F1 Racing Car.

- **Cleaning:** Wipe the wooden parts with a dry or slightly damp cloth. Avoid excessive moisture.
- **Battery Care:** Remove batteries from both the car and remote control when not in use for extended periods to prevent leakage.
- **Component Check:** Periodically check all screws and connections to ensure they are secure. Tighten gently if necessary.
- **Storage:** Store the car in a dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter issues with your F1 Racing Car, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Car does not move or respond to remote.	Dead batteries in car or remote; loose wiring; car/remote not powered on.	Replace batteries; check all wire connections; ensure both car and remote are switched ON.
Car moves slowly or erratically.	Low batteries; obstruction in wheels/gears; loose motor connection.	Replace batteries; clear any debris from wheels/gears; check motor wiring.
Steering is unresponsive or pulls to one side.	Loose steering motor connection; damaged steering mechanism; over-tightened screws on front axle.	Check steering motor wiring; inspect steering parts for damage; loosen front axle screws slightly.
Remote control indicator light is off.	Dead batteries in remote; remote not switched on.	Replace remote batteries; ensure remote is switched ON.

SPECIFICATIONS

- **Product Dimensions:** 8.6 x 4.7 x 3.2 inches
- **Item Weight:** 8.1 ounces
- **Model Number:** PCTF1C
- **Recommended Age:** 8 years and up
- **Power Source (Car):** 3x AA 1.5V batteries (not included)
- **Power Source (Remote):** 2x AA 1.5V batteries (not included)
- **Material:** High-quality wood

PERFECT SIZE

4.7 inches

8.6 inches

3.2 inches

Assemble with screws
No messy glue is required - simply follow the instructions to assemble with easy-to-assemble screws

Durable Wood
Made with durable wood materials to withstand the wear and tear of racing.

Safe and Fun for kids
Sturdy construction and rounded edges designed. Perfect for kids to have fun without any worries!

Round edge design for child safety

Safety belts stabilize high-speed racing

Lightweight Wheel for high speed racing

Sturdy Construction of the Wooden Frame

Image: An infographic illustrating the dimensions (8.6 x 4.7 x 3.2 inches) and features of the F1 racing car, such as durable

wood, easy assembly with screws, rounded edges for safety, safety belts, lightweight wheels, and sturdy construction.

WARRANTY AND SUPPORT

Pica Toys is committed to providing quality products. For any questions, concerns, or support needs regarding your F1 Racing Car Science Kit, please refer to the contact information provided with your purchase or visit the official Pica Toys website. Please retain your proof of purchase for warranty claims.