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AGM MASTECH MR-02

AGM MASETCH Slot Car Racing Track Set

MODEL: MR-02 USER MANUAL

1. Safety Information

Please read all instructions carefully before assembly and operation. Keep this manual for future reference.

- **Recommended Age:** This product is suitable for ages 3 years and up. Adult supervision is recommended for younger children.
- **Battery Safety:** If using battery power, ensure 8xAA batteries (not included) are inserted correctly according to polarity. Do not mix old and new batteries, or different types of batteries. Remove batteries if the product is not used for an extended period.
- **Electrical Safety:** Use only the provided power adapter. Ensure the power source matches the adapter's specifications. Keep electrical components away from water.
- **Speed Control:** The cars can reach high speeds. Always control the speed, especially around turns, to prevent cars from flying off the track and causing damage or injury.
- **Small Parts:** This set contains small parts which may pose a choking hazard for young children.

2. Package Contents

Verify that all items listed below are included in your package:

- 1 Electric Track (main power/start/finish section)
- 4 Unique Slot Cars with LED Headlights
- 2 Durable Remote Controls
- Various Track Pieces (totaling 13.1 ft in length, including straight, S-shaped, circular, and double-layer overpass sections)
- 1 Power Adapter
- 1 Battery Box (requires 8xAA batteries, not included)

- Extra Brushes for Car Maintenance
- Track Supports and Guardrails

3. Setup Instructions

Follow these steps to assemble your racing track:

1. **Unpack Components:** Carefully remove all track pieces, cars, controllers, and accessories from the packaging.
2. **Assemble Track:** Connect the track pieces by aligning the interfaces and snapping them securely into place. The track features an enhanced locking system for easy assembly. Refer to the included layout diagrams for various track configurations. Ensure all track interfaces are tight and flat for optimal performance.
3. **Install Supports:** Place track supports under elevated sections and loops to ensure stability. Attach guardrails to the outer edges of curves to prevent cars from derailing.
4. **Connect Power:** The track offers two power modes:
 - **Electric Mode:** Connect the provided AC adapter to the main power track piece and plug it into a wall outlet.
 - **Battery Mode:** Insert 8xAA batteries (not included) into the battery box and connect it to the main power track piece.
5. **Connect Controllers:** Plug the two remote controls into the designated ports on the main power track piece.
6. **Prepare Cars:** Ensure the conductive brushes on the bottom of each car are angled at approximately 30 degrees to the rear of the vehicle. Place the cars onto the track, ensuring the guide rod is aligned and inserted into the middle groove of the track, and the brush blades contact the track metal strips.

4 DELICATED CARS WITH LED HEADLIGHTS



Figure 3.1: Various track configurations for assembly.

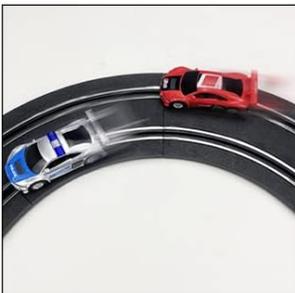
SPEED CONTROL SKILLS

When the car speed is too fast, the car will fly out.



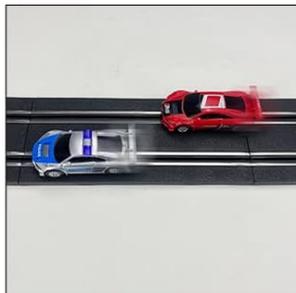
PRESS HALF

Deceleration
turn



**FULL
THROTTLE**

Straight
acceleration



**HIGH
SPEED KEY**

360 ° circular
high-speed flight



**SPEED LIMIT
UNIFORM SPEED**

You can properly tighten
the speed limit pin,
and press the accelerator
fully to maintain a
uniform speed



Figure 3.2: Proper car placement and track connection details.

TWO POWER MODES

Electric or 8x AA battery(not included)

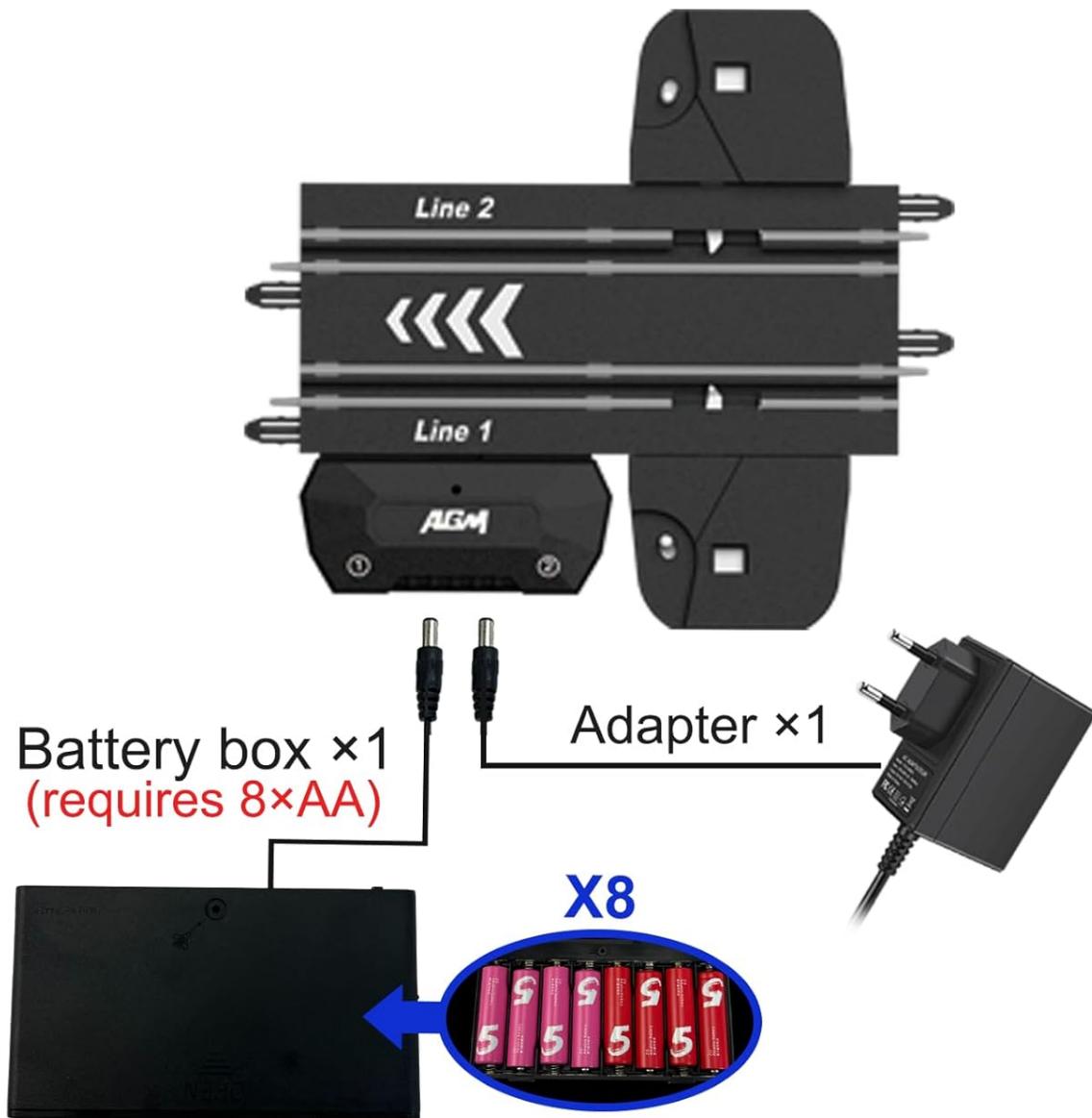


Figure 3.3: Power connection options for the track.

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Video 3.1: Official product video demonstrating track assembly and features.

4. Operating Instructions

Once the track is assembled and powered, you are ready to race!

1. **Controller Usage:** Each player uses a remote control to operate their car. The main trigger controls the speed.
2. **Speed Control Skills:**
 - **Deceleration Turn:** Press the trigger halfway to slow down for turns and prevent the car from flying off.
 - **Straight Acceleration:** Press the trigger fully for maximum speed on straight sections.

- **High Speed Key:** Some controllers may feature a 'High Speed Key' for quick bursts of speed. Use this strategically.
- **Speed Limit Uniform Speed:** Adjust the speed limit pin on the controller to maintain a uniform speed, especially useful for beginners.

3. **Automatic Lap Counting:** The main track section includes an automatic lap counting function. Each time a car completes a lap and passes the designated point, the counter will record it, allowing for competitive racing.



Figure 4.1: Experience super speed with precise control.

300-370 MPH HIGH SPEED

ACCELERATOR

SPRINT

You can properly tighten the speed limit pin, and press the accelerator fully to maintain a uniform speed

FOUR RACING CAR TRACK







Straight Track **Circular Track** **Narrow Track** **Flying Circle**

Figure 4.2: Master speed control for optimal racing performance.

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Video 4.1: Official product video showcasing the slot cars in action on the race track.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your racing track set.

- **Clean Track:** Periodically wipe down the track surfaces with a dry, soft cloth to remove dust and debris that can affect car performance.
- **Replace Car Brushes:** The set includes extra brushes for the bottom of the cars. If a car's performance degrades, inspect the brushes for wear and replace them as needed.
- **Store Properly:** When not in use, disassemble the track and store all components in their original packaging or a suitable container to prevent damage.

6. Troubleshooting

If you encounter any issues, refer to the following common problems and solutions:

- **Car flies off track:** Reduce speed, especially on turns. Ensure guardrails are properly installed. Check that car brushes are correctly angled and making good contact.
- **Car not moving:** Check power connection (adapter plugged in or fresh batteries in battery box). Ensure controllers are securely plugged into the main track piece. Verify car brushes are making proper contact with the track's metal strips.
- **Lap counter not working:** Ensure the cars are passing over the lap counting mechanism correctly. Check for any obstructions.
- **Intermittent power:** Check all track connections to ensure they are tight and flat. Loose connections can disrupt power flow.

7. Specifications

Feature	Detail
Product Dimensions	1 x 1 x 1 inches (assembled track dimensions may vary based on layout)
Item Weight	3.23 pounds
Item Model Number	MR-02
Manufacturer Recommended Age	3 years and up
Power Source	Electric (AC adapter included) or 8 AA batteries (not included)
Track Length	13.1 feet
Number of Cars	4
Number of Controllers	2

8. Warranty and Support

For any questions or concerns regarding your AGM MASETCH Slot Car Racing Track Set, please contact our customer service. We are committed to providing support and will respond to inquiries within 24 hours.

Please retain your proof of purchase for any warranty claims.

