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LDARC MC26394-10-5-10

LDARC 500mm Arch Racing Air Gate Instruction Manual

Model: MC26394-10-5-10

INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your LDARC 500mm Arch Racing Air Gates. These gates are designed for RC racing quadcopters and drones, suitable for both outdoor and indoor use.

The package includes 10 foldable arch racing gates, each with an outer diameter of 500mm (approximately 15 inches) and an inner diameter of 420mm (approximately 12.6 inches). They are compatible with various drone models, including Tiny GT7/GT8, Tiny R7, Tiny 6X/7X/8X, Tiny 6/7 Series, FPVEGG, and TELLO.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged.

- 10 x LDARC 500mm Arch Racing Air Gates

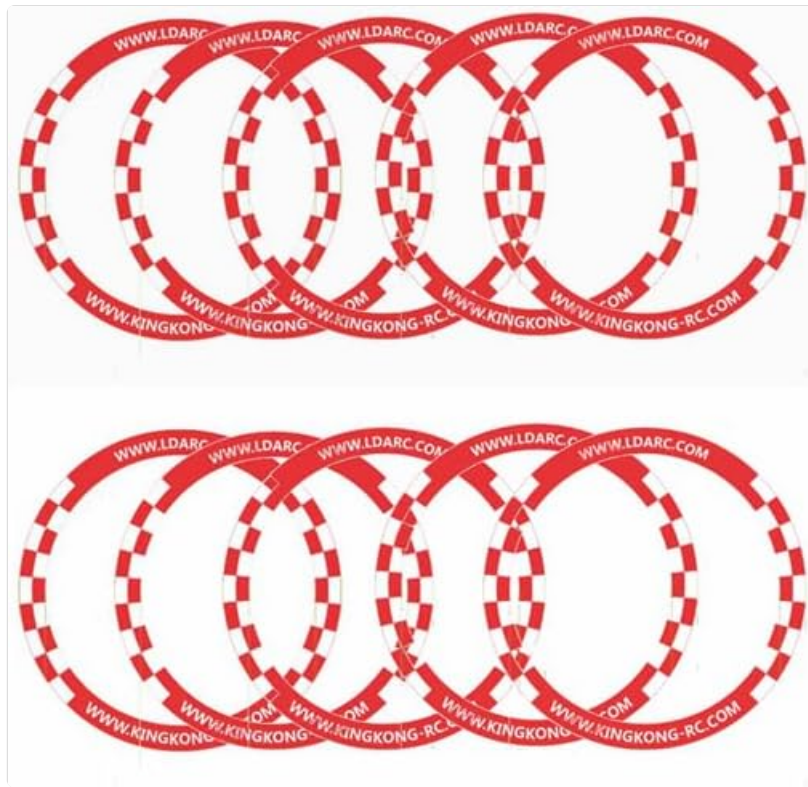


Image: Ten folded LDARC 500mm Arch Racing Air Gates, as received in the package. Each gate is red with white checkered patterns and brand logos.



Image: A single LDARC 500mm Arch Racing Air Gate shown folded inside its plastic packaging, alongside an unfolded gate. The packaging dimensions are indicated as 210mm width and 270mm height.

SETUP

The LDARC Arch Racing Air Gates are designed for quick and easy deployment. They are foldable for convenient storage and transport.

Unfolding the Gate

1. Carefully remove a folded gate from its packaging.
2. Gently unfold the gate. The internal spring mechanism will help it expand into its circular shape.
3. Ensure the gate is fully expanded and circular before placement.

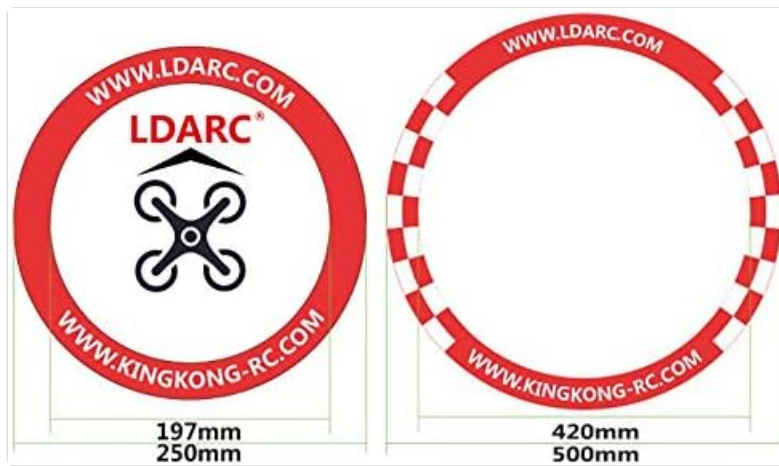


Image: A comparison showing two different sizes of LDARC racing gates. The gate on the right is the 500mm Arch Racing Air Gate, with an outer diameter of 500mm and an inner diameter of 420mm. The gate on the left is a smaller 250mm gate, with an outer diameter of 250mm and an inner diameter of 197mm.

Placement and Mounting

The gates can be placed on the ground or suspended in the air to create a dynamic racing course.

- **Ground Placement:** Simply place the gates on a flat, stable surface. For outdoor use, consider securing them to prevent movement in windy conditions (securing hardware not included).
- **Suspended Mounting:** Each gate is equipped with small loops or tabs for hanging. Use string, fishing line, or thin wires (not included) to suspend the gates from ceilings, branches, or other elevated structures. Ensure the suspension points are secure and the gates are level.



Image: A single LDARC 500mm Arch Racing Air Gate suspended in the air by thin strings attached to its top edges, demonstrating a typical setup for drone racing.



Image: A series of LDARC 500mm Arch Racing Air Gates suspended in a hallway, creating a challenging and visually appealing drone racing course. The gates are spaced to allow for sequential flight.

OPERATING INSTRUCTIONS

These gates are passive accessories designed to enhance your RC drone flying experience by providing obstacles for racing and skill practice.

- **Course Design:** Arrange the 10 gates in various configurations to create custom racing tracks or obstacle courses. Experiment with different distances and angles to increase difficulty.
- **Drone Compatibility:** The 420mm inner diameter is suitable for most small to medium-sized FPV racing drones, including those listed in the introduction. Ensure your drone's dimensions allow for safe passage through the gate.
- **Flying Through Gates:** Practice flying your drone through the center of the gates. This improves piloting skills, precision, and control.



Image: A small FPV drone in mid-flight, passing through the center of an LDARC 500mm Arch Racing Air Gate, demonstrating the intended use of the product.

MAINTENANCE

To ensure the longevity of your LDARC Arch Racing Air Gates, follow these simple maintenance guidelines:

- **Cleaning:** If the gates become dirty, wipe them with a damp cloth. Avoid harsh chemicals or abrasive cleaners.

- **Storage:** When not in use, gently twist and fold the gates back into their compact form. Store them in a dry place, away from direct sunlight and extreme temperatures, to preserve the fabric and internal spring mechanism.
- **Inspection:** Periodically inspect the gates for any signs of wear, tear, or damage to the fabric or internal frame.

TROUBLESHOOTING

Most issues with the Arch Racing Air Gates are minor and easily resolved.

Problem	Possible Cause	Solution
Gate does not fully expand.	May be folded incorrectly or internal spring is slightly misaligned.	Gently manipulate the gate to help it expand. Ensure no fabric is caught.
Gate sways excessively when suspended.	Insufficient or unstable suspension points.	Use more secure attachment points or additional suspension lines to stabilize the gate. Avoid windy conditions if outdoors.
Fabric appears wrinkled or creased.	Normal result of folding and storage.	Wrinkles typically smooth out over time when the gate is expanded. This does not affect functionality.

SPECIFICATIONS

Attribute	Detail
Product Name	LDARC 500mm Arch Racing Air Gate
Model Number	MC26394-10-5-10
Outer Diameter	500mm (approx. 15 inches)
Inner Diameter	420mm (approx. 12.6 inches)
Quantity per Package	10 Arches
Material	Fabric with internal flexible frame
Package Dimensions	12.44 x 10.63 x 3.43 inches
Item Weight	1.08 pounds (for the package of 10)
Recommended Age	14 months and up (Note: Drone operation typically requires higher age)
Manufacturer	LDARC

WARRANTY AND SUPPORT


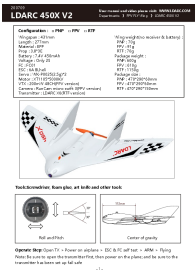



For any questions regarding your LDARC Arch Racing Air Gates, please contact the manufacturer or seller directly. Information regarding specific warranty terms may be available from your point of purchase.

Manufacturer: LDARC

Seller: MingChuan Technology (as per Amazon listing)

For further assistance, you may visit the [LDARC Store on Amazon](#).

Related Documents - MC26394-10-5-10

	<p>LDARC TINY GT7 & GT8 Instruction Manual - Setup, Configuration, and Operation Guide</p> <p>Comprehensive instruction manual for LDARC TINY GT7 and TINY GT8 drones. Covers configuration, FC/ESC, motor, VTX/camera, receiver binding, Betaflight setup, PID tuning, and after-sale service.</p>
	<p>LDARC 450X V2 User Manual and Setup Guide</p> <p>Detailed instructions and specifications for the LDARC 450X V2 RC drone, covering configuration options (PNP, FPV, RTF), pre-flight checks, calibration, flight modes, and assembly.</p>
	<p>LDARC FPVEGG PRO FPV Drone Instruction Manual</p> <p>Comprehensive instruction manual for the LDARC FPVEGG PRO FPV drone, detailing its features, configuration, package contents, receiver setup, firmware updates, and after-sales service. Includes technical specifications and part codes.</p>
	<p>LDARC ET MAX FPV Drone Instruction Manual</p> <p>Comprehensive instruction manual for the LDARC ET MAX FPV drone, covering configuration, setup, binding, Betaflight configuration, PID tuning, and after-sale service.</p>
	<p>LDARC ET V2/3S Series FPV Drone Instruction Manual</p> <p>Comprehensive instruction manual for LDARC ET V2/3S Series FPV drones, including ET100 V2, ET115 3S, and ET125 V2 models. Covers specifications, package contents, technical diagrams, receiver binding, firmware updates, Betaflight configuration, and after-sale service.</p>

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