

## ARES WING GRS1005BK

# ARES WING Foldable Sim Racing Wheel Stand (Model GRS1005BK) User Manual

Model: GRS1005BK

## 1. INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your ARES WING Foldable Sim Racing Wheel Stand with Chair Fixing Slot. Please read this manual thoroughly before use to ensure proper setup and to maximize your racing experience. This stand is designed to be compatible with a wide range of racing accessories and gaming platforms.

## 2. SAFETY INFORMATION

- Ensure all bolts and fasteners are securely tightened before each use to prevent instability.
- Keep hands and fingers clear of moving parts during adjustment to avoid pinching.
- Do not exceed the recommended weight limits for attached racing equipment.
- Place the stand on a flat, stable surface to prevent tipping.
- Store the stand in a safe location when folded to prevent accidental falls.

## 3. PACKAGE CONTENTS

Verify that all components are present before beginning assembly. If any parts are missing or damaged, please contact customer support.

- Main Frame Assembly
- Steering Wheel Plate
- Pedal Plate
- Shifter Mount
- Chair Fixing Slot Extension
- Hardware Kit (bolts, nuts, washers, Allen keys)
- Cable Management Ties

## 4. SETUP AND ASSEMBLY

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Assembly typically takes approximately 15 minutes. Follow these steps carefully.

### 4.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Lay them out and compare with the package contents list to ensure everything is present and undamaged.

### 4.2 Main Frame Assembly

Unfold the main frame of the stand. Ensure all locking mechanisms click into place securely. The triangular frame design provides enhanced stability.



Figure 4.2.1: Fully assembled ARES WING Sim Racing Wheel Stand, showcasing its robust structure and integrated chair fixing slot. Racing wheel, pedals, and shifter are not included.

### 4.3 Attaching the Steering Wheel Plate



Attach the steering wheel plate to the main frame using the provided hardware. Ensure it is oriented correctly for your preferred setup. The plate features pre-drilled holes for various racing wheel brands.

#### 4.4 Installing the Pedal Plate

Secure the pedal plate to the base of the stand. This plate is adjustable to four different angles for optimal pedal positioning.

#### 4.5 Mounting the Shifter

The shifter mount can be installed on either the left or right side of the stand, depending on user preference. Use the appropriate hardware to secure it firmly.

#### 4.6 Securing the Chair Fixing Slot

Attach the chair fixing slot extensions to the front base of the stand. These extensions are designed to hold your gaming chair in place, preventing unwanted movement during intense racing sessions. The depth is adjustable to accommodate different chair sizes.



Figure 4.6.1: Detail of the adjustable chair fixing slot and anti-slip feet, designed to secure a gaming chair and prevent movement.

#### 4.7 Attaching Racing Equipment



Mount your racing wheel, pedals, and shifter to their respective plates using the hardware provided with your racing equipment. The stand features pre-drilled holes compatible with major brands.



Figure 4.7.1: The stand demonstrates wide compatibility with racing accessories from Logitech (G25, G27, G29, G920, G PRO), Fanatec, and Thrustmaster. Racing gear is not included.

## 5. OPERATING INSTRUCTIONS

### 5.1 Adjusting Height and Angle

The steering wheel platform offers a tilt adjustment range from  $-15^{\circ}$  to  $+15^{\circ}$  and a height adjustment of 6.6 inches. Loosen the adjustment knobs, set to your desired position, and re-tighten firmly.





Figure 5.1.1: Visual representation of the adjustable features, including 6.6-inch height adjustment, 12°/16°/20°/24° pedal tilt, and -15°/0°/+15° wheel panel tilt. The shifter mount supports both left and right side installation.

## 5.2 Pedal Platform Adjustment

The pedal platform can be adjusted to four different angles: 12°, 16°, 20°, and 24°. Select the angle that provides the most comfortable and ergonomic foot position for your racing style.

## 5.3 Ergonomic Comfort

The upgraded frame design provides ample leg space (21.8 inches wide) for extended gaming sessions. Adjust all components to achieve your optimal driving position.





Figure 5.3.1: A user demonstrates the comfortable wide leg space (21.8 inches) and maximum height (32.3 inches) of the stand, allowing for prolonged play without discomfort.

## 5.4 Folding for Storage

The stand features a foldable design for convenient storage without needing to remove your racing equipment. Release the locking mechanisms, fold the stand, and use the included self-adhesive tie to secure it in its compact form.



Figure 5.4.1: The stand can be easily folded for compact storage, even with racing gear attached. A self-adhesive tie is included to keep it secure in the folded position.

## 6. MAINTENANCE

- **Cleaning:** Wipe down the stand with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Fastener Check:** Periodically check all bolts and screws to ensure they remain tight. Re-tighten as necessary to maintain stability.
- **Storage:** When not in use, fold the stand and store it in a dry, cool place away from direct sunlight or extreme temperatures.

## 7. TROUBLESHOOTING

### 7.1 Stand Feels Unstable

- Ensure all assembly bolts are fully tightened.



- Verify that the stand is placed on a flat, level surface.
- Check that the chair fixing slot is properly engaged with your gaming chair to prevent chair movement.

## 7.2 Racing Equipment Does Not Fit

- Confirm that your racing wheel, pedals, and shifter are compatible with the pre-drilled mounting holes (Fanatec, Thrustmaster, Logitech, Moza, Simagic).
- Some equipment may require specific mounting brackets not included with the stand. Refer to your equipment's manual.

## 7.3 Difficulty Adjusting Components

- Ensure adjustment knobs or levers are fully loosened before attempting to change positions.
- Do not force adjustments. If a component is stuck, re-check the manual for correct procedure.

## 8. SPECIFICATIONS

Model Number	GRS1005BK
Product Dimensions (Max)	40 x 21.8 x 32.3 inches (Length x Width x Height)
Item Weight	23.5 Pounds
Steering Wheel Tilt Adjustment	-15° to +15°
Steering Wheel Height Adjustment	6.6 inches
Pedal Platform Angles	12°, 16°, 20°, 24°
Shifter Mount	Left or Right side installation
Compatibility	Fanatec, Thrustmaster, Logitech, Moza, Simagic (wheels, pedals, shifters); PS5, PS4, Xbox, PC



# PRODUCT DIMENSIONS

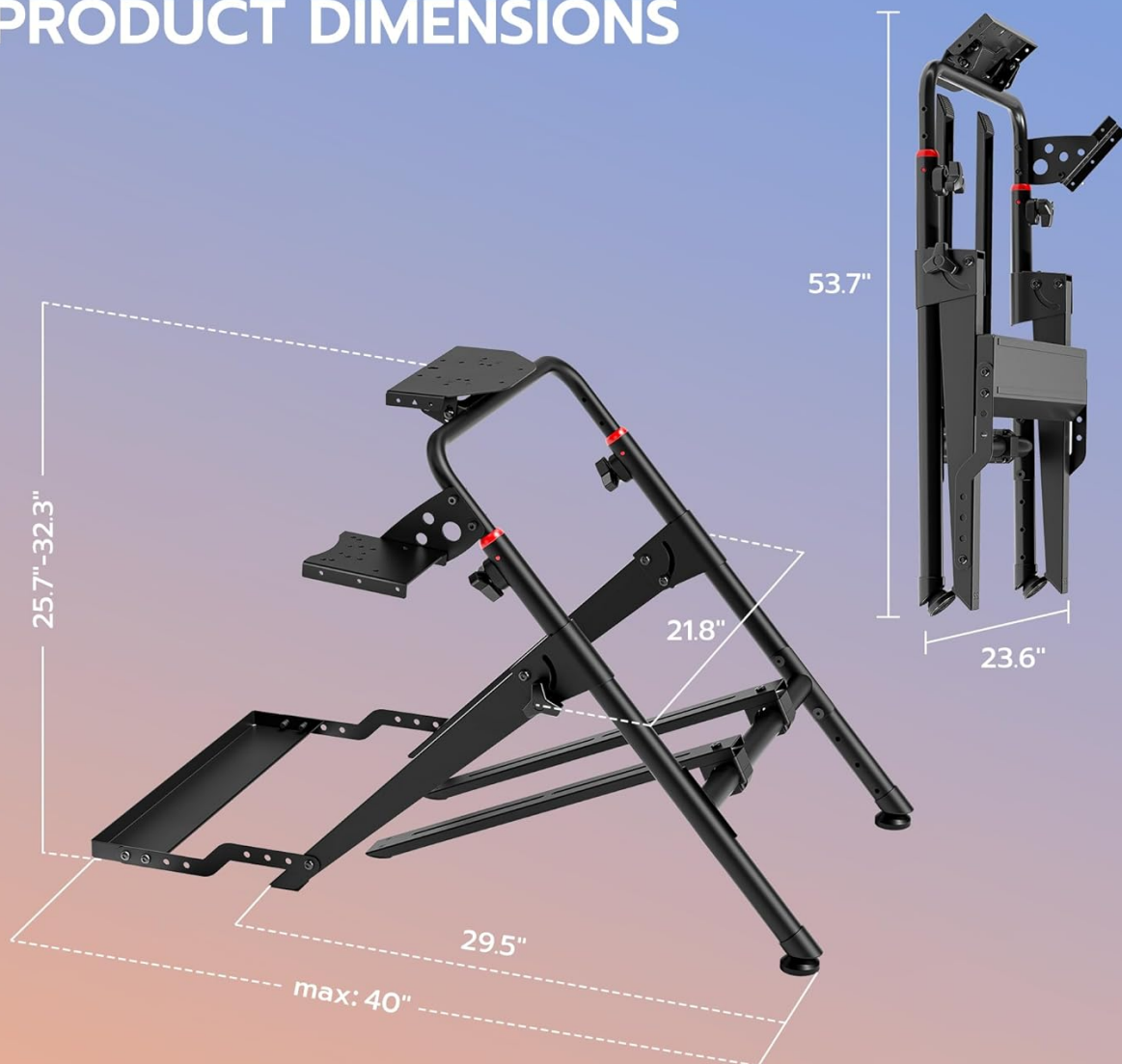


Figure 8.1.1: Detailed product dimensions for both unfolded and folded configurations.

## 9. WARRANTY AND SUPPORT

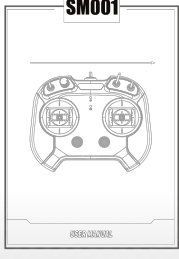




For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official ARES WING website. Please have your model number (GRS1005BK) and purchase date available when contacting support.

### Related Documents - GRS1005BK



#### [SM001 RC Simulator Quick Start Guide](#)

A quick start guide for the SM001 RC simulator, detailing its features, setup, operation, and specifications. Compatible with various simulator software and operating systems.

	<p><a href="#">SM001 RC Flight Simulator User Manual</a></p> <p>Comprehensive user manual for the SM001 RC Flight Simulator, covering operation, specifications, and certifications. Compatible with various simulator software and aircraft types.</p>
	<p><a href="#">ThermTec ARES Series Thermal Imaging Scope User Manual</a></p> <p>Explore the capabilities of the ThermTec ARES Series Thermal Imaging Scope with this comprehensive user manual. Learn about its advanced features, specifications, operational guide, and connectivity options for optimal performance in various outdoor applications.</p>
	<p><a href="#">DMXSLOTS Dynamic Motion eXpress Slot Car Racing System Instruction Manual</a></p> <p>Comprehensive guide for the DMXSLOTS Dynamic Motion eXpress slot car racing system. Covers setup, operation, safety, troubleshooting FAQs, and FCC compliance for an exciting racing experience.</p>
	<p><a href="#">Ferrari 296 Challenge User Manual</a></p> <p>This user manual provides detailed information on the Ferrari 296 Challenge car in iRacing, covering general information, advanced setup options for chassis, tires, and aero, as well as setup tips. It explains how to adjust various parameters to optimize performance and handling.</p>
	<p><a href="#">Gibson Actuators: Pneumatic, Electric, and Hydraulic Valve Actuators</a></p> <p>Comprehensive catalog of Gibson actuators, detailing pneumatic, electric, and hydraulic models. Includes technical specifications, dimensions, torque charts, and coupling information for various valve types.</p>