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› DOYO Racing Wheel User Manual

DOYO R808A

DOYO Racing Wheel User Manual

Model: R808A

Brand: DOYO

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your DOYO Racing Wheel. Designed for an immersive racing experience, this wheel features 1080° rotation, Hall Effect pedals, a 6-speed shifter, and dual vibration feedback, compatible with a wide range of gaming platforms.



Image: The complete DOYO Racing Wheel setup, including the steering wheel, pedal unit, and H-shifter.

KEY FEATURES

- **Realistic 1080° Rotation:** Enjoy a smooth and immersive driving experience with up to 3 full turns (1080 degrees). Ideal for various racing simulations.
- **Customizable Hall Effect Pedals:** Pressure-sensitive metal pedals with adjustable spring tension for responsive braking and acceleration.
- **H-Shifter & Paddle Shifters:** Includes a 6-speed manual H-pattern gear shifter with push-down reverse, alongside built-in paddle shifters for versatile control.
- **Wide Multi-Platform Compatibility:** Fully compatible with Xbox Series X|S, Xbox One, PS4, PS3, Nintendo Switch, PC (Xinput & Dinput), Xbox 360, and Android systems.
- **LED Atmosphere Lights & Stable Mounting:** Features built-in LED racing lights, dual motors for vibration, console control buttons, and a desk/floor clamp for secure setup.

COMPATIBILITY

The DOYO Racing Wheel is designed for broad compatibility across multiple gaming platforms:

PC: Windows 7/8/10/11 (Xinput & Dinput)

Xbox: Xbox Series X|S, Xbox One, Xbox 360

PlayStation: PS4, PS3

Nintendo: Switch

Mobile: Android systems

Wide Compatibility for Multiple Game Consoles

For Computer(Windows7/8/10/11)



PC



Laptop

For Xbox



Xbox One S&X



Xbox Series S&X



Xbox 360

For Playstation



PS3



PS4



PS4 sim



PS4 Pro

For Nintendo Switch



Switch



Switch OLED



Switch Lite



Image: Visual representation of the racing wheel's compatibility with various gaming platforms including PC, Xbox, PlayStation, and Nintendo Switch.

PACKAGE CONTENTS

Please ensure all components are present upon unboxing:

- DOYO Racing Wheel Unit
- Pedal Unit (with 3 pedals)
- 6-Speed H-Shifter
- Desk/Table Clamp
- Power Adapter
- USB Connection Cable
- Additional Springs for Pedal Adjustment (2 springs)
- User Manual (this document)

SETUP INSTRUCTIONS

1. Physical Assembly

1. **Attach the Steering Wheel:** Align the steering wheel with the main base unit. Gently push and twist the wheel until it locks securely into place. Ensure the "Unlock" and "Lock" indicators align correctly.



Image: Close-up of the steering wheel base, illustrating the "Unlock" and "Lock" rotation for secure attachment.

2. **Connect Pedals:** Plug the pedal unit cable into the designated port on the back of the racing wheel base.
3. **Connect Shifter:** Plug the H-shifter cable into its dedicated port on the racing wheel base.
4. **Secure Mounting:**
 - **Desk/Table Clamp:** Use the included clamp to firmly attach the racing wheel base to a stable desk or table. Tighten the screws until the unit is secure and does not wobble during use.
 - **Floor Mounting:** The pedal unit is designed for stability on the floor. For enhanced stability, consider placing it against a wall or using a racing cockpit.

2. Connecting to Your System

Connect the racing wheel to your gaming platform using the provided USB cable. Ensure your console or PC is powered on before connecting.

- **PC Connection:** Plug the USB cable into an available USB port on your computer. Drivers should install automatically. If not, please refer to the troubleshooting section.
- **Console Connection (Xbox/PlayStation/Switch):** Plug the USB cable into an available USB port on your console. For some consoles (e.g., Xbox 360), a wired controller may be required for initial setup and authentication. Refer to your console's specific instructions if issues arise.
- **Android Connection:** Connect via USB OTG adapter (not included) if your Android device supports it.

OPERATING INSTRUCTIONS

1. Power On and Calibration

Once connected, the racing wheel will automatically calibrate by rotating fully left and right before centering. Wait for this process to complete before beginning play.

270~1080° Wheel Rotation

(3 full turnings)

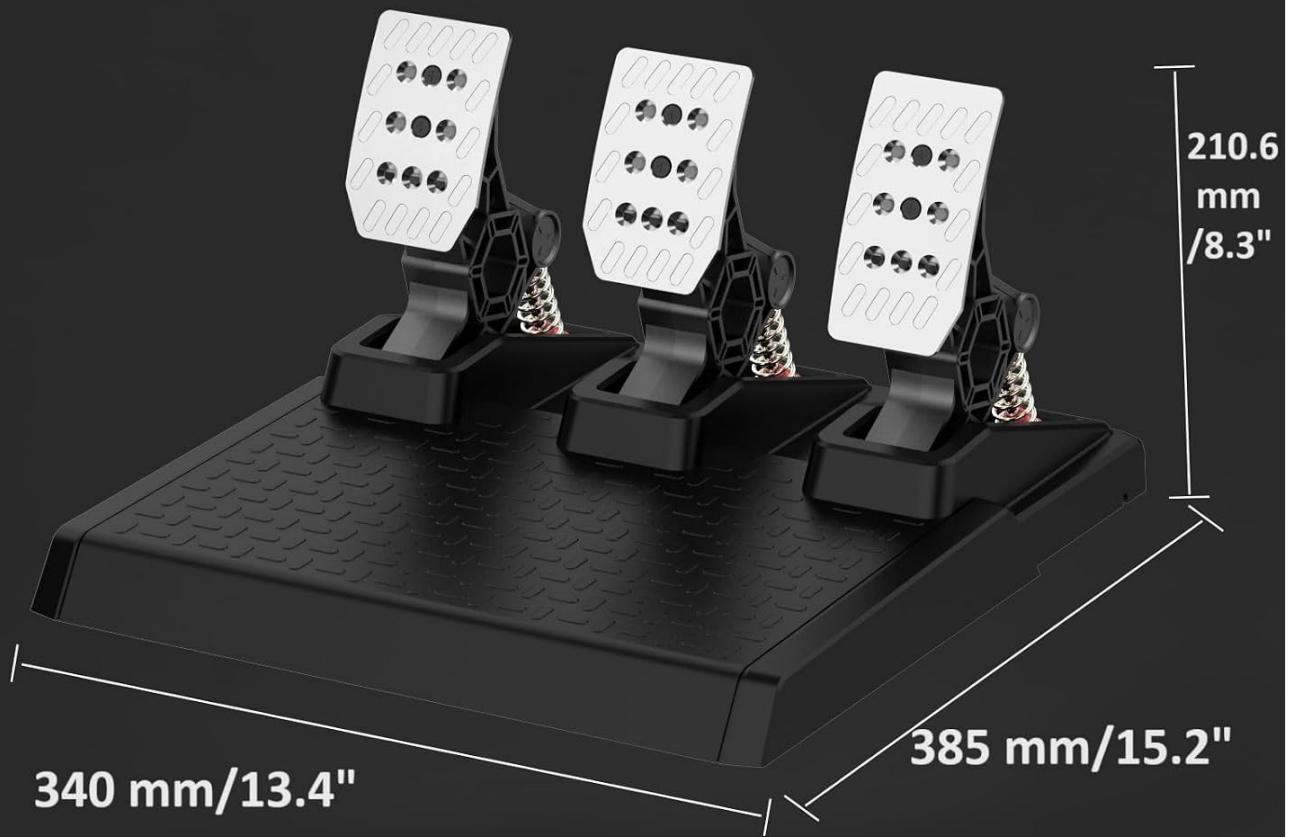


Image: A user demonstrating the wide range of rotation (270 to 1080 degrees) available on the racing wheel.

2. Using the Controls

- **Steering Wheel:** The wheel supports 270° to 1080° rotation, adjustable via settings within your game or the wheel's mode button (refer to specific game settings for optimal experience).
- **Pedals:**

Responsive Hall Pedals



Metal pedal



Hall sensor



Strength force
can be freely adjusted



Larger size
for greater stability

Image: The three-pedal unit, highlighting its responsive Hall Effect technology and dimensions.

- **Accelerator (Right Pedal):** Controls vehicle speed.
- **Brake (Middle Pedal):** Controls vehicle braking.
- **Clutch (Left Pedal):** Used for manual shifting with the H-shifter.
- **Adjustable Spring Tension:** The pedals feature adjustable spring tension. Two additional springs are provided to customize the feel of the pedals. To adjust, carefully remove the existing springs and replace them with the desired strength.

Responsive Adjustable Floor Pedals

Strength Force Can Be Freely Adjusted

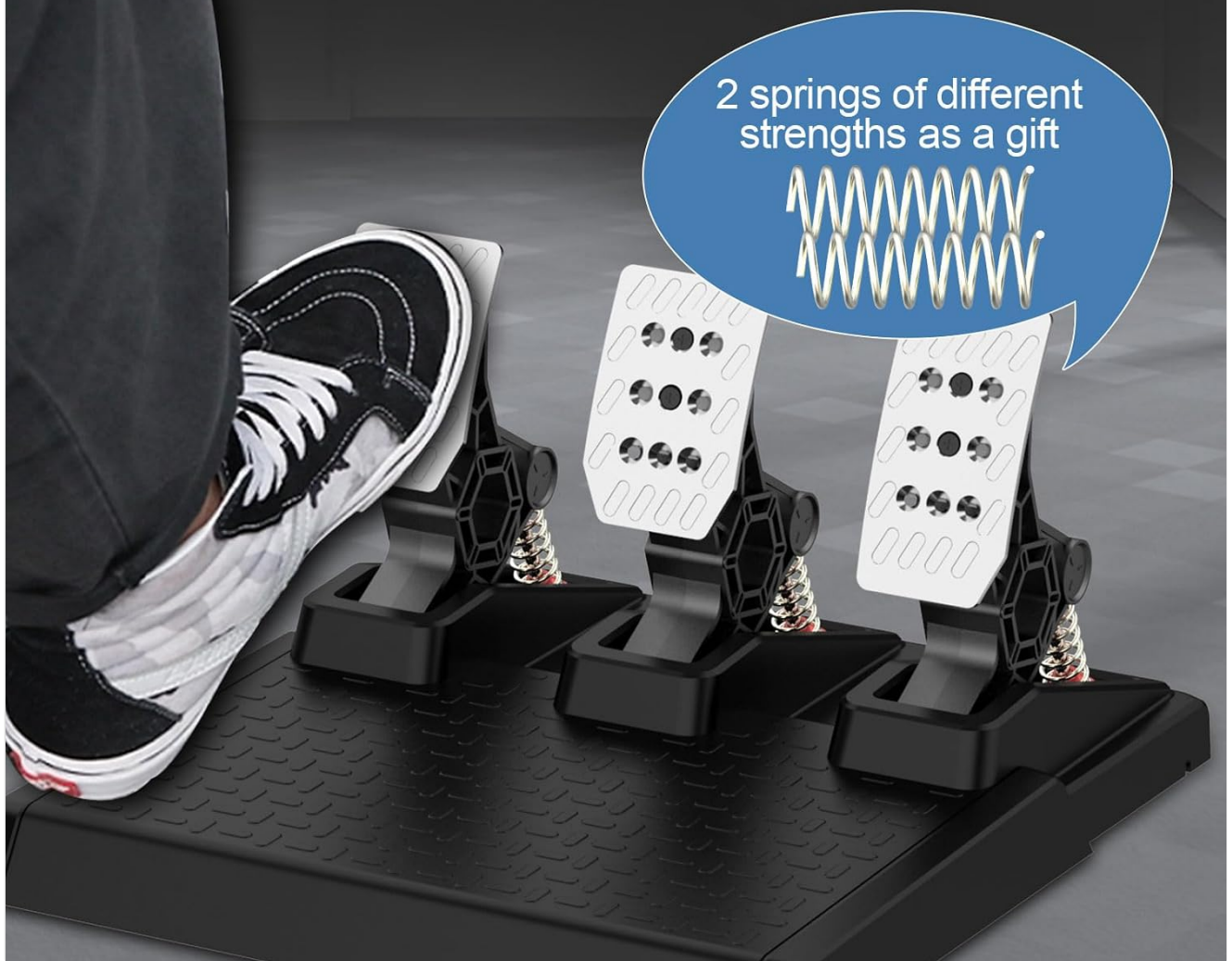


Image: The pedal unit, illustrating the adjustable spring mechanism and the inclusion of two additional springs for customization.

- **H-Shifter:**



Image: The standalone 6-speed H-shifter unit.

- Provides realistic manual gear shifting. Push down for reverse gear.
- **Paddle Shifters:** Located behind the steering wheel, these allow for quick, sequential gear changes.
- **Dual Vibration:** The racing wheel features dual motors for vibration feedback, enhancing immersion by simulating road textures, collisions, and other in-game effects.
- **LED Atmosphere Lights:** The built-in LED lights provide visual feedback and enhance the gaming atmosphere.



Image: Close-up of the racing wheel base, showing the illuminated LED decorative lights.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the racing wheel, pedals, and shifter. Avoid using abrasive cleaners or solvents.
- **Storage:** When not in use, store the racing wheel in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure cables are not tangled or pinched to prevent damage.

TROUBLESHOOTING

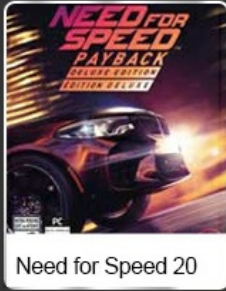
Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Wheel not recognized by PC/Console.	Incorrect connection, missing drivers, or console-specific requirements.	Ensure all cables are securely connected. Try a different USB port. For PC, check Device Manager for driver issues. If drivers are not automatically installed, visit the official DOYO support website for manual driver downloads (if available). For Xbox 360, ensure a wired Xbox 360 controller is connected to the console for authentication.
Pedals or Shifter not responding.	Loose cable connection, game settings, or hardware issue.	Verify the pedal and shifter cables are firmly plugged into the wheel base. Check in-game control settings to ensure pedals and shifter are correctly mapped and enabled. Test on another game or platform if possible to isolate the issue.
Wheel rotation feels incorrect or limited.	Incorrect rotation setting or game compatibility.	Adjust the rotation angle setting within the game's control options. Some games may have fixed rotation angles that override the wheel's settings.
No vibration feedback.	Vibration setting disabled in game or hardware issue.	Ensure force feedback or vibration is enabled in the game's audio/control settings. Verify the wheel's power connection.

SPECIFICATIONS

Feature	Detail
Model Number	R808A
Rotation Angle	270° to 1080° (adjustable)
Pedal Type	Hall Effect, Pressure-sensitive, Metal
Shifter	6-Speed H-Pattern with Push-Down Reverse, Paddle Shifters
Vibration Feedback	Dual Motors
Compatibility	Xbox Series X S, Xbox One, PS4, PS3, Nintendo Switch, PC (Xinput & Dinput), Xbox 360, Android
Item Weight	15.12 pounds (approx. 6.86 kg)
Package Dimensions	15.3 x 15 x 11 inches (approx. 38.86 x 38.1 x 27.94 cm)

PS Platform



Switch Platform

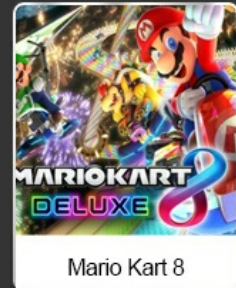
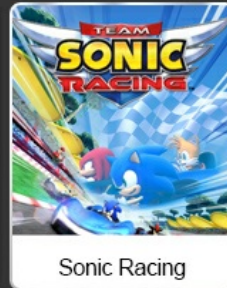
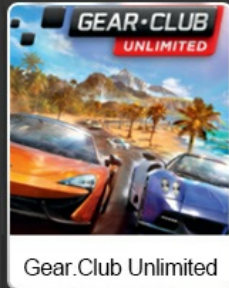


Image: Detailed dimensions of the DOYO Racing Wheel and pedal unit.

WARRANTY AND SUPPORT

DOYO offers a 100% Satisfaction Guarantee for this gaming racing wheel. If you are not satisfied with your purchase, please feel free to contact us for refunds or support.

For technical assistance or warranty claims, please contact DOYO customer support through the retailer's platform or the official DOYO website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question