

MOZA R3

MOZA R3 Racing Wheel and Pedals Bundle for PC User Manual

Model: R3

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your MOZA R3 Racing Wheel and Pedals Bundle. Designed for PC users, this high-performance simulator delivers an immersive racing experience. Please read this manual thoroughly before use to ensure proper setup and optimal performance.



Image 1.1: The MOZA R3 Racing Wheel and Pedals Bundle, showcasing the direct drive wheelbase, ES Lite steering wheel, and SR-P Lite pedals.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the product:

- Ensure all connections are secure before powering on the device.
- Keep hands and loose clothing clear of moving parts during operation.
- Do not expose the device to water or excessive moisture.
- Use only the provided power adapter.
- Avoid placing the device on unstable surfaces.
- This product is intended for indoor use only.

3. PACKAGE CONTENTS

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

- MOZA R3 Direct Drive Wheelbase
- MOZA ES Lite Steering Wheel
- MOZA SR-P Lite Pedals (2-pedal set, no clutch)
- Desk Clamp
- Power Adapter and Cable
- USB Cable
- Mounting Hardware and Tools



Image 3.1: All components of the MOZA R3 Racing Wheel and Pedals Bundle included in the package.

4. SETUP INSTRUCTIONS

4.1. Mounting the Wheelbase

The MOZA R3 Direct Drive Wheelbase can be mounted using the included desk clamp or directly to a racing rig.

1. Desk Clamp Installation:

- Attach the desk clamp to the bottom of the wheelbase using the provided screws.
- Position the wheelbase on your desk and tighten the clamp screws until secure. Ensure the desk clamp is stable and the wheelbase does not move during use.

2. Rig Mounting:

- Align the mounting holes on the wheelbase with your racing rig's mounting plate.
- Secure the wheelbase using appropriate bolts (not included for rig mounting).



Image 4.1: Top view of the MOZA R3 Direct Drive Wheelbase, showing mounting points for desk clamp or rig.

4.2. Attaching the Steering Wheel

The ES Lite Steering Wheel uses a quick-release system for easy attachment and removal.

1. Align the quick-release mechanism on the steering wheel with the shaft on the wheelbase.

2. Push the steering wheel onto the shaft until it clicks into place.
3. To remove, pull the quick-release collar towards you and gently pull the steering wheel off.



Image 4.2: The MOZA R3 Direct Drive Wheelbase with the ES Lite Steering Wheel attached.

4.3. Connecting the Pedals

Connect the SR-P Lite Pedals to the wheelbase using the provided cable.

1. Locate the pedal port on the rear of the wheelbase.
2. Connect the pedal cable securely to this port.



Image 4.3: The MOZA SR-P Lite Pedals, showing their robust construction and connection point.

4.4. Power and PC Connection

1. Connect the power adapter to the wheelbase and then plug it into a wall outlet.
2. Connect the wheelbase to your PC using the provided USB cable.
3. The wheelbase will power on automatically.

4.5. Software Installation (MOZA Pit House)

Download and install the MOZA Pit House software from the official MOZA Racing website. This software is essential for configuring your racing setup and updating firmware.

- Visit the official MOZA Racing website.
- Navigate to the support or downloads section.
- Download the latest version of MOZA Pit House.
- Follow the on-screen instructions to complete the installation.
- Launch MOZA Pit House to detect your devices and begin configuration.

5. OPERATING INSTRUCTIONS

5.1. MOZA Pit House Software Overview

MOZA Pit House is your central control panel for the R3 bundle. It allows you to:

- Check device status and connectivity.
- Update firmware for the wheelbase, steering wheel, and pedals.
- Calibrate pedals and steering wheel.
- Adjust force feedback settings (strength, damping, friction, etc.).
- Customize button mappings on the steering wheel.
- Create and save custom profiles for different games or driving styles.

The software also features cloud-based MOZA APP integration for mobile configuration.

5.2. Using the ES Lite Steering Wheel

The ES Lite Steering Wheel features an 11-inch diameter, durable ISF PU grips, an aluminum alloy rim, and 22 customizable buttons.



Image 5.1: Close-up of the MOZA ES Lite Steering Wheel, highlighting its buttons and design.

- **Buttons:** Utilize the 22 programmable buttons for in-game functions such as changing views, activating DRS, or adjusting brake bias. Map these buttons within MOZA Pit House or your game's control settings.
- **Paddle Shifters:** The wheel includes magnetic paddle shifters for quick gear changes.

- **LED Indicator:** The integrated LED strip can display RPMs or other telemetry data, configurable via MOZA Pit House.

5.3. Using the SR-P Lite Pedals

The SR-P Lite Pedals are constructed from high-strength steel and feature high-precision Hall sensors for consistent performance.

- **Adjustability:** The position and angle of the pedals can be adjusted to suit your comfort and driving style. Refer to the MOZA Pit House software for calibration and fine-tuning.
- **Hall Sensors:** These sensors provide precise and durable input, ensuring accurate throttle and brake response.

5.4. Game Compatibility

The MOZA R3 bundle is compatible with a wide range of mainstream PC simulation racing games. Ensure your game is updated to the latest version for optimal compatibility.

Supported Games include:

- Assetto Corsa
- Assetto Corsa Competizione
- Dirt Rally
- Dirt 4
- F1 2018, F1 2019, F1 2020, F1 2021, F1 2022
- WRC Generations
- Project CARS 1, 2, 3
- iRacing

- Forza Horizon 4 (Note: This game is currently not compatible with Steam)
- Forza Horizon 5 (Windows 10)
- Live For Speed
- Automobilista, Automobilista 2
- Richard Burns Rally
- rFactor 2
- Euro Truck Simulator 2
- American Truck Simulator
- KartKraft
- WRC 9, WRC 10
- BeamNG.Drive
- Mudrunner
- Wreckfest
- RaceRoom Racing Experience
- CarX Drift Racing Online

Full Compatibility with Mainstream Games

Compatible with dozens of mainstream simulation racing games, including Forza Horizon, Project CARS, F1, DiRT Rally, and Assetto Corsa series.

PC Only

Assetto Corsa	Project CARS 1	rFactor2
Assetto Corsa Competizione	Project CARS 2	Euro Truck Simulator 2
DiRT Rally	Project CARS 3	American Truck Simulator
DiRT Rally 2.0	iRacing	KartKraft
DiRT 4	Forza Horizon 4 (This game is currently not compatible with Steam)	WRC 9
F1 2018	Forza Horizon 5 (Win 10)	WRC 10
F1 2019	Live For Speed	BeamNG Drive
F1 2020	Automobilista	MudRunner
F1 2021	Automobilista 2	Wreckfest
F1 2022	Richard Burns Rally	RaceRoom Racing Experience
WRC Generations		CarX Drift Racing Online

Image 5.2: A visual representation of the MOZA R3's compatibility with various PC racing simulation games.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the wheelbase, steering wheel, and pedals. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the bundle in a clean, dry environment away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Regularly check for and install firmware updates via MOZA Pit House to ensure optimal performance and compatibility.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not recognized by PC	USB connection issue, driver not installed, MOZA Pit House not running.	Ensure USB cable is securely connected to both PC and wheelbase. Try a different USB port. Reinstall MOZA Pit House software. Restart your PC.

Problem	Possible Cause	Solution
No Force Feedback in game	Game settings, MOZA Pit House settings, game not supported.	Check in-game control settings to ensure Force Feedback is enabled and configured. Verify Force Feedback strength in MOZA Pit House. Confirm the game is officially supported by MOZA.
Pedals not responding	Pedal cable loose, calibration issue.	Ensure pedal cable is securely connected to the wheelbase. Calibrate pedals using MOZA Pit House.

8. SPECIFICATIONS

Component	Specification
Wheelbase	Model: MOZA R3 Direct Drive Base Torque: 3.9 Nm Technology: Direct Drive Servo Motor Compatibility: PC Only Connectivity: USB
Steering Wheel	Model: MOZA ES Lite Steering Wheel Diameter: 11-inch (280mm) Grip Material: ISF PU Rim Material: Aluminum Alloy Buttons: 22 customizable buttons Quick Release: Racing-level system
Pedals	Model: MOZA SR-P Lite Pedals Configuration: 2-pedal set (no clutch) Material: High-strength steel Sensor: High-precision Hall Sensor Adjustability: Space and angle adjustable
Desk Clamp	Material: 5mm-thick CNC machined high-intensity steel Features: Angle-adjustable, suitable for various tables
Product Dimensions	11.81 x 7.87 x 3.94 inches (Wheelbase)
Item Weight	22.5 pounds (Total Bundle)
Manufacturer	Gudsen

Component	Specification
Date First Available	September 15, 2022

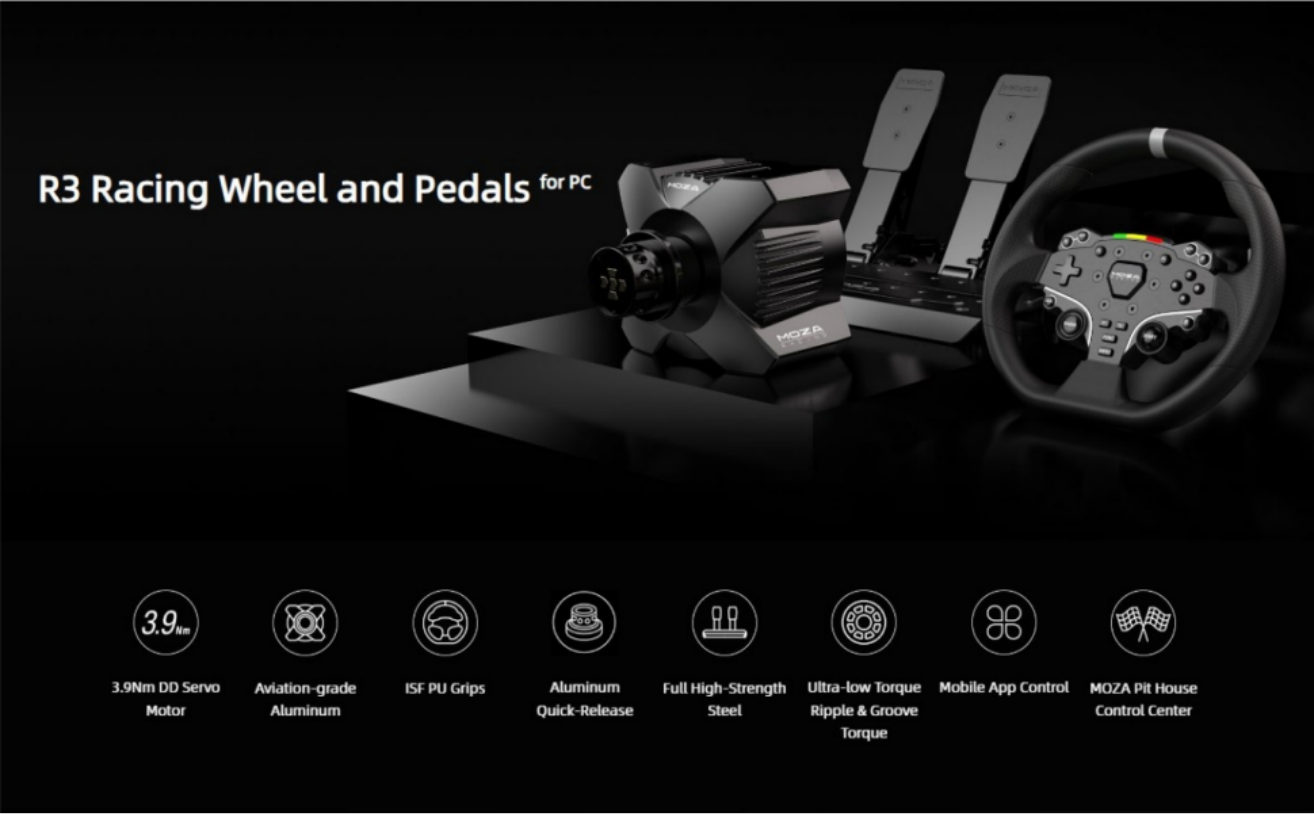


Image 8.1: Overview of key features for the MOZA R3 Racing Wheel and Pedals Bundle, including 3.9Nm DD Servo Motor, aviation-grade aluminum, ISF PU grips, full high-strength steel, ultra-low torque ripple, mobile app control, and MOZA Pit House control center.



Image 8.2: The MOZA R3 3.9 Nm Direct Drive Servo Motor, highlighting its compact design and direct drive

9. WARRANTY INFORMATION

MOZA products are covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of your warranty may vary by region and product. Please retain your proof of purchase for warranty claims.

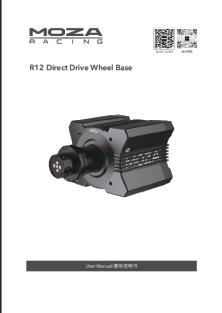
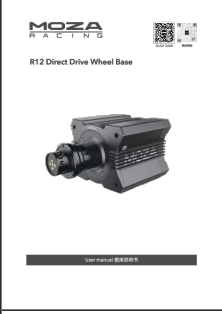

For detailed warranty information, please visit the official MOZA Racing website or contact customer support.




10. SUPPORT

If you encounter any issues or have questions not covered in this manual, please refer to the following resources:

- **Official MOZA Racing Website:** For FAQs, updated manuals, drivers, and firmware.
- **MOZA Pit House Software:** Utilize the software for diagnostics and troubleshooting tools.
- **Customer Support:** Contact MOZA Racing customer support directly for personalized assistance.

Related Documents - R3

 <p>MOZA RACING</p> <p>R12 Direct Drive Wheel Base</p> <p>User Manual R12000</p>	<p>MOZA R12 Direct Drive Wheel Base User Manual - Features, Installation, and Specifications</p> <p>Comprehensive user manual for the MOZA R12 Direct Drive Wheel Base. Learn about its features, connection ports, dimensions, installation guides, safety precautions, packing list, software (MOZA Pit House), technical specifications, and warranty information.</p>
 <p>MOZA RACING</p> <p>R12 Direct Drive Wheel Base</p> <p>User Manual R12000</p>	<p>MOZA R12 Direct Drive Wheel Base User Manual Sim Racing Performance</p> <p>Comprehensive user manual for the MOZA R12 Direct Drive Wheel Base, covering product introduction, installation, specifications, and software features for sim racing enthusiasts.</p>
 <p>MOZA RACING</p> <p>SR-P Racing Pedals</p> <p>User Manual SR000</p>	<p>MOZA SR-P Racing Pedals User Manual - Load Cell for Best Control</p> <p>Comprehensive user manual for the MOZA SR-P Racing Pedals, detailing installation, adjustment, packing contents, and warranty information. Learn how to set up and optimize your load cell pedals for superior control.</p>

<div><div><div>MOZA RACING</div><div>FSR2 Formula Wheel</div><div></div><div>Get Manual \$10.000</div></div></div>	<p>MOZA FSR2 Formula Wheel User Manual - Features, Setup, and Specifications</p> <p>Comprehensive user manual for the MOZA FSR2 Formula Wheel, detailing its features, quick release mechanism, software configuration with MOZA Pit House, packing list, technical specifications, and warranty information.</p>
<div><div><div>MOZA RACING</div><div>Vision GS Steering Wheel</div><div></div><div>User Manual • Uživatelský manuál • Výhradný manuál • Manual del usuario • Bedructershandleiduch</div></div></div>	<p>MOZA Vision GS Steering Wheel User Manual</p> <p>User manual for the MOZA Vision GS Steering Wheel, detailing product features, installation, configuration, precautions, warranty, and EU declaration of conformity.</p>
<div><div><div>MOZA RACING</div><div>ESX Steering Wheel</div><div></div><div>User Manual • Uživatelský manuál • Výhradný manuál • Manual del usuario • Bedructershandleiduch</div></div></div>	<p>MOZA ESX Steering Wheel User Manual</p> <p>User manual for the MOZA ESX Steering Wheel, providing instructions for setup, compatibility, configuration, and warranty information. Includes details on Xbox and PC connectivity, quick release mechanism, and software settings.</p>