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MOZA TCBP03506

MOZA R3 Racing Wheel and Pedals Bundle User Manual

Model: TCBP03506

Brand: MOZA

INTRODUCTION

This user manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your MOZA R3 Racing Wheel and Pedals Bundle. Designed for both Xbox and PC, this complete sim racing system offers a powerful direct drive servo motor, a durable racing wheel, and adjustable pedals for an immersive racing experience.

Please read this manual thoroughly before using the product to ensure proper function and longevity.

PRODUCT COMPONENTS

The MOZA R3 Racing Wheel and Pedals Bundle includes the following main components:

- MOZA R3 Direct Drive Wheel Base
- ES Steering Wheel
- SR-P Lite Pedals
- Table Clamp
- Power Adapter and Cables



Image: Overview of the MOZA R3 Racing Wheel and Pedals Bundle components.

SETUP GUIDE

1. Mounting the Wheel Base

The MOZA R3 Direct Drive Wheel Base can be mounted using the included table clamp or integrated into a dedicated sim racing rig.

- **Using the Table Clamp:** Attach the 5mm-thick CNC machined high-intensity steel table clamp to a sturdy desk or table. Ensure the clamp is securely tightened to prevent movement during use. The clamp is angle-adjustable to fit various table thicknesses.
- **Rig Mounting:** For dedicated sim racing rigs, refer to your rig's instructions for compatible mounting points. The R3 base features standard mounting patterns.



Image: The MOZA R3 Wheel Base and Table Clamp setup.

2. Attaching the ES Steering Wheel

The ES Steering Wheel features a racing-level Quick Release system for effortless attachment and removal.

1. Align the quick release mechanism on the steering wheel with the shaft on the wheel base.
2. Push the wheel firmly onto the shaft until it clicks into place.
3. To detach, pull back the quick release collar on the wheel base and slide the steering wheel off.



R3 DD Wheelbase



3.9 Nm DD
Servo Motor



Innovative
X Shape Design



The Maximum &
Minimum
Philosophy



Aviation-grade
Aluminum



Ultra-low Torque
& Groove Torque



Intelligent
Temperature
Control System



Image: Close-up of the ES Steering Wheel and its quick release mechanism.

3. Connecting the SR-P Lite Pedals

The SR-P Lite Pedals connect directly to the wheel base.

1. Place the pedal unit on a stable surface or mount it to your sim rig.
2. Connect the pedal cable to the designated port on the MOZA R3 Wheel Base.



Image: The SR-P Lite Pedals unit.

4. Power and PC/Xbox Connection

1. Connect the power adapter to the wheel base and then to a power outlet.
2. Connect the wheel base to your PC or Xbox console using the provided USB cable.

OPERATING INSTRUCTIONS

1. Software Installation and Configuration

For optimal performance and customization, download and install the MOZA Pit House software on your PC or the MOZA APP on your mobile device.

- **MOZA Pit House (PC):** This software allows you to check device status, create and save custom settings, and launch games directly. It is essential for firmware updates and detailed configuration of the wheel base, steering wheel, and pedals.
- **MOZA APP (Mobile):** The cloud-based MOZA APP provides intuitive control and modification of settings from your mobile device via Bluetooth.

Ensure you update the firmware of all components through the MOZA Pit House software upon initial setup.

R3 Racing Wheel and Pedals

for Xbox & PC



Designed for Xbox



3.9Nm DD Servo Motor



Aviation-grade Aluminum



ISF PU Grips



Full High-Strength Steel



Ultra-low Torque Ripple & Groove Torque



Mobile App Control



MOZA Pit House Control Center

Image: Example of the MOZA Pit House software interface for configuration.

2. Using the ES Steering Wheel

The ES Steering Wheel features 22 customizable buttons and aluminum shift paddles for maximum immersion and control.

- **Customizable Buttons:** Map these buttons to in-game functions using the MOZA Pit House software or your game's control settings.
- **Shift Paddles:** Use the paddles for quick gear changes.
- **ISF PU Grips:** Provide a durable and comfortable grip for extended use.

ES Steering Wheel



Size: 280mm



ISF PU
Grips



All-aluminum
Quick Release



22 Customizable
Buttons



Aluminum
Shift Paddles



Aluminum
Wheel Rim



Image: Detailed view of the ES Steering Wheel's controls.

3. Adjusting the SR-P Lite Pedals

The SR-P Lite Pedals offer adjustability for personalized comfort and performance.

- **Pedal Spacing:** Adjust the horizontal position of the pedals to suit your foot placement.
- **Output Curve:** Fine-tune the pedal response curve through the MOZA Pit House software for precise control.
- **Detachable Setup:** The pedals can be configured for flexible setups.



Image: The SR-P Lite Pedals showing adjustable features.

KEY FEATURES

- **Complete Sim Racing System:** Includes Wheel Base, Racing Wheel, Dual Pedals, and a Table Clamp for Xbox and PC Games.
- **Powerful 3.9Nm Direct Drive Base:** Delivers punchy 3.9Nm DD power with ultra-low torque ripple for instant reaction. Compact design adapts to any scenario.
- **ES Steering Wheel:** 11-inch round gaming wheel with durable ISF PU grips, aluminum alloy rim, 22 customizable buttons, and racing-level Quick Release system.
- **SR-P Lite Pedals:** Pure, high-strength steel construction for durability. High-precision Hall Sensor for consistency. Adjustable space, configuration, and output curve.
- **Table Clamp:** 5mm-thick CNC machined high-intensity steel suitable for desktop setups or rigs.
- **MOZA Pit House & APP:** Software for device status, custom settings, one-click game launching, and cloud-based mobile control.

High-precision Craftsmanship

With a base crafted from aviation-grade aluminum alloy and ISF PU grips steering wheel and high-strength steel pedals. The R3 sets the benchmark for entry-level racing.



Image: Visual representation of the MOZA R3 Direct Drive Wheel Base features.

3.9 Nm DD Servo Motor

The direct drive servo motor delivers a stable and realistic torque output of 3.9 Nm. It flawlessly replicates the steering force found in road and race cars, providing detailed and immersive feedback direct to your hands.



Image: Visual representation of the MOZA ES Steering Wheel features.



Image: Visual representation of the MOZA SR-P Lite Pedals features.

COMPATIBILITY

The MOZA R3 Bundle is compatible with a wide range of mainstream simulation racing games on both PC and Xbox.

PC Compatibility:

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

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

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: Partial list of supported PC games.

Xbox Compatibility:

The bundle is designed for Xbox One and Xbox Series X, supporting various titles with Force Feedback (FFB), axis and button mapping, and presets.

XBOX

	FFB	Axis and Button Custom Mapping	Presets	HBP	HGP	SGP
Assetto Corsa	•	•	•	✗	✗	✗
CarX Drift Racing Online	•	•	•	✗	✗	✗
DIRT Rally 2.0	•	•	•	✗	✗	✗
EA Sports WRC	•	•	•	✗	✗	✗
F1 2021	•	•	•	✗	✗	✗
F1 22	•	•	•	✗	✗	✗
Farming Simulator 22	✗	•	•	✗	✗	✗
Forza Horizon 4	•	•	•	✗	✗	✗
Forza Horizon 5	•	•	•	✗	✗	✗
Forza Motorsport (2023)	•	•	•	✗	✗	✗
Forza Motorsport 7	•	•	•	✗	✗	✗
GRID (2019)	•	•	•	✗	✗	✗
Grid Legends	•	•	•	✗	✗	✗
Monster Truck Championship	•	•	•	✗	✗	✗
NASCAR 21 Ignition	•	•	•	✗	✗	✗
NASCAR Heat 4	•	•	•	✗	✗	✗
NASCAR Heat 5	•	•	•	✗	✗	✗
Project Cars 2	•	•	•	✗	✗	✗
Project Cars 3	•	•	•	✗	✗	✗
Snowrunner	•	•	•	✗	✗	✗
Mudrunner	•	•	•	✗	✗	✗
The Crew Motorfest	•	•	•	✗	✗	✗
V Rally 4	•	•	•	✗	✗	✗
World of Outlaws Dirt Racing	•	•	•	✗	✗	✗
WRC 7	•	•	•	✗	✗	✗
WRC 8	•	•	•	✗	✗	✗
WRC 9	•	•	•	✗	✗	✗
WRC 10	•	•	•	✗	✗	✗
WRC Generations	•	•	•	✗	✗	✗
Wreckfest	•	•	•	✗	✗	✗

*Partial List of Supported Games for XBOX.

Image: Partial list of supported Xbox games.

MAINTENANCE

- Keep all components clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the unit to extreme temperatures or humidity.
- Regularly check all cable connections to ensure they are secure.
- Periodically check the tightness of mounting screws, especially if using the table clamp, to ensure stability.

TROUBLESHOOTING

- **No Force Feedback / Recognition:**

- Ensure all cables are securely connected to the wheel base, pedals, and PC/Xbox.
- Verify that the MOZA Pit House software is installed and the firmware is up to date.
- Check game settings to ensure the MOZA R3 is selected as the primary controller and force feedback is enabled.

- **Vibration/Instability when Desk Mounted:**

- Ensure the table clamp is extremely tight.
- Consider using a dedicated sim racing stand or cockpit for maximum stability and to mitigate vibrations, especially with strong force feedback settings.

- **Pedal Inaccuracy:**

- Recalibrate the pedals using the MOZA Pit House software.
- Check for any physical obstructions or debris affecting pedal movement.

- **Software/App Connectivity Issues:**

- Ensure Bluetooth is enabled on your mobile device for the MOZA APP.
- Restart the MOZA Pit House software or the MOZA APP.
- Temporarily disable any firewall or antivirus software that might be blocking communication.

SPECIFICATIONS

Feature	Detail
Brand	MOZA
Model Number	TCBP03506

Wheel Base Torque	3.9 Nm Direct Drive
Steering Wheel Size	11-inch (280mm)
Grip Material	ISF PU Grips
Pedal Construction	High-strength Steel
Pedal Sensor	High-precision Hall Sensor
Compatible Devices	PC, Xbox One, Xbox Series X
Connectivity Technology	Wire (USB)
Color	Black
Item Weight	21.1 pounds
Package Dimensions	17.09 x 17.01 x 11.34 inches

WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official MOZA Racing website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

MOZA Racing Official Website: www.mozaracing.com

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Related Documents - TCBP03506

 <p>MOZA R12 Direct Drive Wheel Base User Manual</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>
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 R12 Direct Drive Wheel Base  FSR2 Formula Wheel  SR-P Racing Pedals  mBooster Active Pedal  Vision GS Steering Wheel	<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>
 FSR2 Formula Wheel  SR-P Racing Pedals  mBooster Active Pedal	<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>
 SR-P Racing Pedals  mBooster Active Pedal	<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>
 mBooster Active Pedal	<p>MOZA mBooster Active Pedal User Manual and Quick Guide</p> <p>Comprehensive user manual for the MOZA mBooster Active Pedal, covering installation, setup, connections, performance adjustment, and safety instructions for sim racing enthusiasts.</p>
	<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>