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› MOZA R12 Direct Drive Wheel Base Instruction Manual

MOZA R12

MOZA R12 Direct Drive Wheel Base Instruction Manual

Model: R12

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1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your MOZA R12 Direct Drive Wheel Base. Please read this manual thoroughly before using the product to ensure proper function and safety. The MOZA R12 is designed to deliver a realistic and immersive sim racing experience through its direct drive force feedback system.

2. SAFETY INFORMATION

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

- **Power Supply:** Use only the original power adapter provided with the MOZA R12 Wheel Base. Using an incorrect power supply can damage the device and void the warranty.
- **Ventilation:** Ensure adequate ventilation around the wheel base. Do not block ventilation openings. Overheating can lead to performance degradation or damage.
- **Placement:** Install the wheel base on a stable, flat surface or a compatible sim racing rig. Avoid placing it in direct sunlight, near heat sources, or in excessively humid or dusty environments.
- **Force Feedback:** The MOZA R12 generates strong force feedback. Keep hands and fingers clear of the rotating shaft when the device is powered on. Adjust force feedback settings to a comfortable level to prevent strain or injury.
- **Children and Pets:** Keep the device out of reach of children and pets.
- **Liquid Exposure:** Do not expose the device to water or other liquids.
- **Disassembly:** Do not attempt to disassemble or modify the wheel base. This will void the warranty and may cause damage or injury.

3. SETUP

3.1 Unpacking

Carefully remove all components from the packaging. Verify that all items listed in the packing list are present. Retain the original packaging for future transport or storage.

3.2 Mounting the Wheel Base

The MOZA R12 Wheel Base can be mounted to a compatible sim racing cockpit or desk mount using the provided screws and mounting holes. Ensure the mounting surface is sturdy enough to withstand the forces generated by the wheel base.

1. Position the wheel base on your mounting solution.
2. Align the mounting holes on the wheel base with those on your rig or mount.
3. Secure the wheel base using appropriate bolts. Do not overtighten.

3.3 Connecting Cables

Connect the necessary cables as follows:

- **Power Cable:** Connect the power adapter to the power input port on the rear of the wheel base, then plug the adapter into a wall outlet.
- **USB Cable:** Connect the USB-B end of the provided USB cable to the wheel base and the USB-A end to an available USB port on your PC.
- **Emergency Stop (Optional):** If using an external emergency stop button, connect it to the designated port.

3.4 Software Installation

Download and install the latest version of MOZA Pit House software and drivers from the official MOZA Racing website. This software is essential for configuring your wheel base, updating firmware, and adjusting force feedback settings.

1. Visit the official MOZA Racing support page.
2. Download the MOZA Pit House software installer.
3. Run the installer and follow the on-screen instructions.
4. Restart your PC if prompted.

3.5 Initial Calibration

After installing the software and connecting the wheel base, launch MOZA Pit House. The software should automatically detect your R12 Wheel Base. Follow any on-screen prompts for initial calibration or firmware updates.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the wheel base, ensure all cables are connected, then press the power button located on the front or side of the unit. The indicator light will illuminate. To power off, press and hold the power button until the unit shuts down.

4.2 Attaching/Detaching Steering Wheels

The MOZA R12 uses a quick-release system for attaching steering wheels.

- **Attaching:** Align the quick-release mechanism on your MOZA steering wheel with the shaft of the R12 Wheel Base. Push the wheel firmly onto the shaft until it clicks into place. Ensure it is securely locked.
- **Detaching:** Pull back the quick-release collar on the steering wheel, then gently pull the wheel away from the wheel base.

4.3 Adjusting Settings with MOZA Pit House

MOZA Pit House software allows for detailed configuration of your R12 Wheel Base:

- **Force Feedback Settings:** Adjust overall force, damping, friction, inertia, and other parameters to fine-tune the feel of your force feedback.
- **Steering Angle:** Set the maximum rotation angle of the wheel.
- **Game Profiles:** Create and save custom settings profiles for different racing simulations.
- **Firmware Updates:** Check for and install the latest firmware for optimal performance and new features.

5. MAINTENANCE

5.1 Cleaning

Regularly clean the exterior of the wheel base with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture. Ensure no dust or debris accumulates in the ventilation openings.

5.2 Firmware Updates

Periodically check for firmware updates via the MOZA Pit House software. Keeping your firmware up-to-date ensures the best performance, compatibility, and access to new features.

5.3 Storage

When not in use for extended periods, store the wheel base in a dry, dust-free environment. If possible, use the original packaging for protection.

6. TROUBLESHOOTING

If you encounter issues with your MOZA R12 Wheel Base, refer to the following common problems and solutions:

- **No Power:**
 - Ensure the power cable is securely connected to both the wheel base and the wall outlet.
 - Verify the power adapter is functioning correctly.
 - Try a different wall outlet.
- **Wheel Base Not Detected by PC:**
 - Check the USB cable connection at both ends. Try a different USB port on your PC.
 - Ensure MOZA Pit House software is installed and running.
 - Reinstall MOZA drivers.
 - Try a different USB cable.
- **No Force Feedback:**
 - Verify force feedback settings in MOZA Pit House and within your racing simulation game.
 - Ensure the wheel base firmware is up-to-date.

- Check if the wheel base is in "Safe Mode" (indicated by a specific light pattern); restart the unit if so.

- **Unusual Noises or Vibrations:**

- Reduce force feedback strength in MOZA Pit House.
- Ensure the wheel base is securely mounted.
- If the issue persists, contact MOZA Racing support.

For further assistance, refer to the MOZA Racing official support resources or contact customer service.

7. SPECIFICATIONS

Model	MOZA R12 Direct Drive Wheel Base
Peak Torque	12 Nm
Motor Type	Direct Drive Servo Motor
Connectivity	USB to PC
Power Supply	External Power Adapter (Included)
Mounting	Bottom Mount (4 holes), Front Mount (Optional)
Quick Release	MOZA Quick Release System
Dimensions (Package)	11.8 x 10.9 x 7.4 inches
Item Weight	15.17 pounds
Date First Available	October 17, 2023
ASIN	B0CL6K4NS3

Note: Specifications are subject to change without prior notice.

8. WARRANTY AND SUPPORT

MOZA Racing products come with a limited warranty. For detailed warranty terms and conditions, please refer to the official MOZA Racing website or the warranty card included with your product. If you require technical support, have questions, or need to report an issue, please visit the MOZA Racing support page or contact their customer service directly. Provide your product model (R12) and serial number when seeking support.

Official MOZA Racing Website: www.mozaracing.com