PXN W DS R2

PXN W DS R2 Gaming Racing Wheel Instruction Manual

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your PXN W DS R2 Gaming Racing Wheel. Please read this guide thoroughly before use to ensure optimal performance and longevity of your device.

WHAT'S IN THE BOX

- W DS R2 Steering Wheel Module
- User Manual

Note: The direct drive base is sold separately.

SETUP

1. Physical Installation

The PXN W DS R2 features a proprietary quick-release system designed for tool-free and secure installation with PXN VD series direct drive bases (VD4, VD6, and VD10). Ensure the quick-release mechanism is fully engaged for stability during use. This steering wheel is not compatible with bases from other brands.

W DS R2 STEERING WHEEL
Precision Racing Wheel Module Only

Designed for PXN VD Series Direct Drive Bases · Premium Materials · Realistic Grip & Control. Compatible with PXN VD4 / VD6 / VD10 Direct Drive Bases

Racing Wheel Module Only – Base Sold Separately

Image: The PXN W DS R2 steering wheel module attached to a VD series direct drive base, showcasing the quick-release system.

2. Software Installation & Updates

Before initial use, download and install the PXN SimRacing software from the official PXN website. Ensure the software is updated to the latest version. This software is compatible with Windows 7-11 PCs.

RECOMMENDED GAMES FOR PC

18 Wheels of Steel	F1 2021	Rennsport
American Truck Simulator	F1 22	Test Drive Unlimited
Assetto Corsa	F1 23	Test Drive Unlimited 2
Assetto Corsa Competizione	F1 24	WRC 8
Assetto Corsa EVO	Forza 7	WRC 9
Automobilista	Forza Horizon 4	WRC 10
Automobilista 2	Forza Horizon 5	WRC Generations
BeamNG.drive	Forza Motorsport	Wreckfest
Bus Simulator 21 Next Stop	GRID	
CarX Drift Racing	GRID Legends	
CarX Street	iRacing	
City Car Driving	Kart Racing Pro	
Copa Petrobras de Marcas	KartKraft	
DiRT 3	Le Mans Ultimate	
DiRT 4	Live for Speed	
DiRT Rally 2.0	MudRunner	
EA SPORTS™ WRC	NASCAR Heat 5	
Euro Truck Simulator 2	Project CARS 2	
F1 2018	Project CARS 3	
F1 2019	RaceRoom Racing Experience	
F1 2020	rFactor 2	

Notes: File Setup Required for Red-Marked Games
Red-marked titles require manual update of force feedback configuration files. Download the appropriate file from the PXN official website under the Tool section.   Replace the device_defines file in the game's input/devices directory.(In Steam: Right-click the game > Manage > Browse Local Files.)
If you have any questions regarding game compatibility or setup procedures, please contact the PXN Support Team: support@e-pxn.com.

Image: Screenshot of the PXN SimRacing PC software interface, showing various customization options.

3. Game Setup (Example: DiRT Rally 2.0)

For optimal performance in games like DiRT Rally 2.0, follow these steps:

1. **Install PXN SimRacing Software:** Download and install the PXN SimRacing software from the PXN website.

2. **Update Software:** Ensure the software is updated to the latest version.

3. **Select Wheel Base Preset:** Go to the 'Devices' tab in PXN SimRacing, select your wheel base (e.g., VD10), click 'Game Presets' in the top-right corner, find and select 'DiRT Rally 2.0', then click 'Apply'. Confirm the application of presets.

4. **Launch Game & Access Settings:** After launching DiRT Rally 2.0, navigate to 'Options' and enter the 'Input' settings menu.

5. **Select PXN Device:** Under 'Connected Devices', select your PXN device (e.g., PXN VD10 Steering Wheel). Note: Other brand standalone peripherals must be connected directly to your PC and bound separately within their own device settings.

6. **Bind Controls:** Bind 'Accelerate' (throttle pedal), 'Brake/Reverse' (brake pedal), 'Steer Left' (rotate wheel fully left), 'Steer Right' (rotate wheel fully right), 'Clutch' (clutch pedal), and 'Handbrake' (handbrake lever or an accessible button on the wheel).

7. **Bind Gear Shifters:** For sequential shifters, bind 'Gear Up' (right paddle shifter) and 'Gear Down' (left paddle shifter). For H-pattern shifters, bind each gear (1st, 2nd, etc.) by engaging the shifter into the corresponding slot.

8. **Advanced Settings:** Switch to the 'Advanced Settings' tab. Set 'Steering Deadzone', 'Throttle Deadzone', 'Brake Deadzone', and 'Clutch Deadzone' to 0%. Set 'Steering Saturation', 'Throttle Saturation', 'Brake Saturation', and 'Clutch Saturation' to 150%.

9. **Vibration & Feedback:** In the 'Vibration & Feedback' tab, it is recommended to leave settings at default initially and adjust later based on personal preference.

10. **Input Report:** Open the 'Input Report' or 'Calibration' screen to check that the travel range for steering, throttle, brake, and clutch registers correctly when moved.

11. **Game Settings - Transmission:** Go to 'Game Settings' and in the 'Transmission' section, select the mode matching your actual shifter hardware (e.g., 'Manual Sequential' for sequential shifters, 'Manual H-Pattern' for H-pattern shifters).

12. **Other Assists:** Adjust other assists like 'Anti-Lock Braking System' (e.g., to 1), 'Launch Control' (On), and 'Time Control Braking' (Off) as desired.

For detailed visual instructions, refer to the official setup videos provided by PXN.

Video: Wheel Setup Guide for DiRT Rally 2.0 (VD Series). This video demonstrates the step-by-step process of configuring the PXN VD series racing wheel for use with DiRT Rally 2.0, including software settings and in-game binding.

Video: Wheel Setup Guide for Forza Motorsport 8 (VD Series). This video provides instructions on how to set up and configure the PXN VD series racing wheel for Forza Motorsport 8, covering both software and in-game adjustments.

Video: Racing Wheel Setup Guide for ETS2 (VD Series). This video guides users through the setup process for the PXN VD series racing wheel in Euro Truck Simulator 2, including control binding and advanced settings.

OPERATING INSTRUCTIONS

1. Controls Overview

The W DS R2 features a D-shaped 11.8-inch (30 cm) aluminum alloy rim with a microfiber leather grip. It is equipped with:

- **13 Programmable Buttons:** Fully configurable for in-game navigation, camera control, pit strategy, and more.
- **2 Rotary Encoders:** 20-position pressable rotary encoders for precise control over brake bias, traction control (TC), anti-lock braking system (ABS), fuel, and other functions.
- **1 Joystick:** For additional control inputs.
- **4 Aluminum Paddle Shifters:**
    - **Upper Paddle Shifters:** Utilize magnetic switches for rapid tactile feedback, ideal for gear changes.
    - **Lower Paddle Shifters:** Utilize linear sensors for precise analog input, perfect for clutch and handbrake simulation.

Image: A detailed view of the PXN W DS R2 steering wheel's central panel, highlighting the RGB LED lights, rotary encoders, and programmable buttons.

2. RGB RPM Indicator

A 10-LED RGB RPM indicator delivers real-time rev feedback and immersive lighting effects, enhancing the racing experience.

3. Game Compatibility

The PXN W DS R2 is compatible with a wide range of PC racing titles, including but not limited to:

- iRacing
- Assetto Corsa
- F1 23
- Euro Truck Simulator 2
- Forza Motorsport 8
- DiRT Rally 2.0
- EA WRC

- Le Mans Ultimate (LMU)
- Project CARS 2
- American Truck Simulator

WIDE PC AND GAME COMPATIBILITY
Compatible with Windows 7–11 PCs and Popular Racing Titles for Seamless Integration

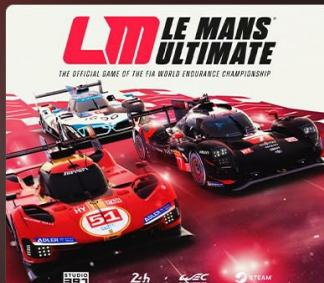|		
Assetto Corsa Series	Forza Horizon 5	DiRT Rally 2.0
EA WRC	LMU	F1 Series
Project CARS 2	American Truck Simulato	Euro Truck Simulator 2

Note: Requires manual setup for some games. For compatibility or setup questions, please contact PXN Support.

Image: A collage of popular racing game titles, indicating broad compatibility with the PXN W DS R2 steering wheel.

4. Software Customization

Utilize the PXN SimRacing software to:

- Customize button mapping.
- Adjust RPM lighting effects.
- Perform firmware updates.
- Tune Force Feedback settings.
- Import game profiles.

MAINTENANCE

To ensure the longevity and optimal performance of your PXN W DS R2 Gaming Racing Wheel, follow these

general maintenance guidelines:

- **Cleaning:** Regularly wipe the microfiber leather grip and plastic surfaces with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and mild soap, then dry thoroughly. Avoid harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the steering wheel in a clean, dry environment away from direct sunlight, extreme temperatures, and excessive dust.
- **Cable Management:** Ensure all cables are neatly organized and not under tension or pinched to prevent damage.
- **Inspection:** Periodically check the quick-release mechanism and all buttons/switches for any signs of wear or damage.

TROUBLESHOOTING

If you encounter any issues with your PXN W DS R2 Gaming Racing Wheel, consider the following troubleshooting steps:

- **No Power/Recognition:** Ensure the wheel base is properly connected to the power supply and your PC. Check all cable connections. Try a different USB port.
- **Software Issues:** Verify that the PXN SimRacing software is installed correctly and is up to date. Restart the software and your PC.
- **In-Game Recognition:** Confirm that the steering wheel is selected as the primary input device in your game's control settings. Check for any conflicting input devices.
- **Force Feedback Problems:** Adjust Force Feedback settings within the PXN SimRacing software and the game. Ensure Force Feedback is enabled in both.
- **Button/Paddle Malfunction:** Test button functionality within the PXN SimRacing software's calibration or input reporting section. Ensure buttons are correctly mapped in-game.
- **Compatibility:** Remember that the W DS R2 is only compatible with PXN VD series direct drive bases.

If problems persist, refer to the PXN official website for further support or contact customer service.

SPECIFICATIONS

Model	W DS R2
Brand	PXN
Compatibility	PXN VD4, VD6, VD10 Direct Drive Bases (PC - Windows 7-11)
Wheel Diameter	11.8 inches (30 cm)
Grip Material	Microfiber Leather
Buttons	13 Programmable Buttons
Rotary Encoders	2 (20-position pressable)
Paddle Shifters	4 Aluminum (Upper: Magnetic, Lower: Linear Sensor)
RPM Indicator	10-LED RGB
Mounting System	PXN Proprietary Quick-Release

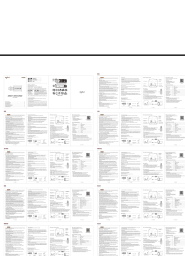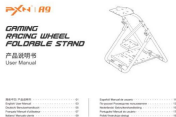| Item Weight	4.8 pounds
Package Dimensions	16 x 15 x 6.6 inches

WARRANTY AND SUPPORT

The PXN W DS R2 Gaming Racing Wheel is backed by a 12-month warranty. For any questions regarding game compatibility, setup procedures, or other inquiries, please contact PXN customer support. 24/7 customer support is available.

For software downloads and additional resources, visit the PXN Official Website.

Related Documents - W DS R2

[PXN VD6 Direct Drive Wheel User Manual](#)
User manual for the PXN VD6 Direct Drive Wheel, providing setup, operation, and safety instructions.

[PXN V10 Ultra Direct Drive Racing Wheel User Manual](#)
Comprehensive user manual for the PXN V10 Ultra Direct Drive Racing Wheel, detailing installation, setup, app functions, product specifications, and safety guidelines for PC, PS4, Xbox One, and Xbox Series X/S.

[PXN VD10 Direct Drive Servo Base User Manual](#)
User manual for the PXN VD10 Direct Drive Servo Base, detailing setup, connection, PC software, specifications, and safety precautions for sim racing enthusiasts.

[PXN-V10 Force Feedback Racing Wheel: Features, Setup, and APP Control](#)
Comprehensive guide to the PXN-V10 Force Feedback Racing Wheel, detailing its features, compatibility with PC, PS4, and Xbox One, setup instructions, accessory usage, advanced APP functions for key mapping and force feedback customization, and FCC compliance information.

[PXN-V10 Force Feedback Racing Wheel User Manual & Setup Guide](#)
Comprehensive user manual for the PXN-V10 Force Feedback Racing Wheel, covering setup, installation, PC/console compatibility, advanced settings, and safety precautions.

[PXN-A9 Gaming Steering Wheel Foldable Stand - User Manual & Setup Guide](#)
Official user manual and setup guide for the PXN-A9 foldable gaming steering wheel stand.
Includes assembly instructions, product specifications, safety warnings, and manufacturer
information.