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Generated: 2026-11-19 01:02

PXN PD LP Vector X Gaming Pedals

Model: PD LP

Manufacturer: PXN

EAN: 6948052904256

Product Code: 1743334

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PXN PD LP Vector X Gaming Pedals

The PXN PD LP Vector X is an advanced pedal set for PC racing simulators, designed with demanding sim-racing enthusiasts in mind. The model features a Load Cell brake with a pressure capacity of up to 200 kg, an accelerator pedal with X-Cross Dual Sensor Fusion technology, which combines a precise angle sensor with an extremely sensitive pressure sensor (Load Cell) and the proprietary X-Cross signal fusion algorithm. The unit offers 24-bit data processing resolution, a wide range of adjustment for pedal position and operating characteristics, and a modular system of interchangeable springs. The construction, made of carbon fiber, 304 stainless steel, and CNC-machined 6061 aluminum ensures high durability, while the dedicated USB control module and PXN SimRacing software allow you to precisely customize the set’s performance to your preferences.

Load Cell Brake Ensuring Repeatability of Every Braking Action

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At the heart of the kit is a brake utilizing a Load Cell sensor with a maximum force of up to 200 kg. Unlike traditional solutions, it responds to actual braking force, making it much easier to achieve consistent braking points and maintain control of the car while driving. The mechanism uses a multi-link kinematic design, which ensures smooth and progressive operation and allows for stepless adjustment of the pedal force. Additionally, the modular system of interchangeable springs allows you to change the pedal resistance in just a few seconds, simulating a maximum load of up to 125 kg or even 187 kg, so that the braking characteristics can be easily adapted to different car classes and your personal preferences.

X-Cross Dual Sensor – exceptional accelerator pedal precision

The accelerator pedal utilizes the proprietary X-Cross Dual Sensor Fusion system, which combines a precise angle sensor with an extremely sensitive pressure sensor (Load Cell) and the proprietary X-Cross signal fusion algorithm. This solution eliminates signal interference and reduces delays caused by sudden load changes, ensuring that the response to throttle input remains exceptionally smooth and predictable. The X-Cross system offers as many as 65,535 resolution levels, which means up to 16 times greater precision than traditional angle sensors with 4,095 levels. The result is more precise power delivery, easier traction maintenance, and greater control when exiting corners.

Full customization tailored to your driving style

The PXN Vector X offers a wide range of configuration options, allowing you to easily tailor the settings to your cockpit and preferred driving style. You can adjust the height and angle of the pedal surfaces, their tilt, position, and spacing, as well as the mechanism’s travel range. This allows you to create an ergonomic setup for both long training sessions and online competition. Such a wide range of customization options makes this set a great fit for both those just starting their sim racing journey and experienced drivers seeking maximum precision.

Durable construction designed for intensive use

The pedals are made of 304 stainless steel, CNC-machined 6061 aluminum, and carbon fiber panels, which ensure high rigidity and resistance to heavy use. The design is based on a multi-bearing structure that eliminates play and ensures stable operation of the mechanism even during very hard braking. Special high-density silicone shock-absorbing bushings (Custom Shock-Absorbing Bushings)

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are also used, which effectively absorb vibrations and reduce noise generated during sudden load changes. As a result, pedal movement remains smooth, stable, and more closely resembles the feel of a real race car.

Dedicated Control Module and PXN SimRacing Software

The kit includes an external control module with a 24-bit signal processing chip housed in a sturdy aluminum enclosure. It ensures fast data transfer and high resistance to interference, guaranteeing stable operation during intense racing sessions. The PXN SimRacing software allows you to calibrate each pedal, adjust response curves, configure dead zones, and save custom settings profiles. This allows you to quickly adapt the pedal set’s performance characteristics to different cars, tracks, and simulators without having to adjust the hardware settings.

Expandable with a clutch pedal

The PXN PD LP Vector X can be expanded with an optional clutch pedal to create a full three-pedal set. The clutch uses a two-stage mechanism that more faithfully replicates the operation of the system found in cars equipped with a manual transmission. The built-in 30 kg load cell and progressive, three-phase operating characteristics allow you to precisely feel the clutch engagement point and increase control during starts and gear shifts. This solution is particularly appreciated by users of realistic driving simulators.

Manufacturer	PXN
Model	PD LP Vector X
Product Type	pedal set for racing simulators
Platform	PC
Sensor System	Load Cell + X-Cross Dual Sensor Fusion (angle sensor + Load Cell)
Braking Force	up to 200 kg (adjustable)
Control Module Resolution	24-bit (16.77 million levels)
X-Cross System Resolution	65,535 reading levels
Materials	carbon fiber, 304 stainless steel, CNC-machined 6061 aluminum

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Connectivity	USB with dedicated control module
Product dimensions	approx. 360 × 326 × 269 mm
Weight	approx. 5.65 kg
Compatibility	PXN SimRacing software
Expandability	optional clutch pedal for a 3-pedal configuration

Gross weight: 7670, Net weight: 5650, Box length: 50,00, Box width: 39,00, Box height: 18,00

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