

R9 V3 Wheel Base

$349.00

Shipping calculated at checkout.

★★★★★ 225 reviews

The MOZA R9 V3 is the direct drive wheelbase for racers who take their performance seriously. Delivering 9Nm of torque from a high-performance servo motor with a 21-bit magnetic encoder, it offers ultra-smooth, highly detailed force feedback. Crafted from aviation-grade aluminum, the R9 combines lightweight, durable construction with premium quality. Its integrated temperature control system and industrial-grade conductive slip ring, and cloud-based mobile app control, it's easy to tune and operate. Experience complete precision and seamless integration with the MOZA Pit House Control Center, making your setup ready for any sim racing challenge.

Overview »

Model: R9 V3

R9 V3

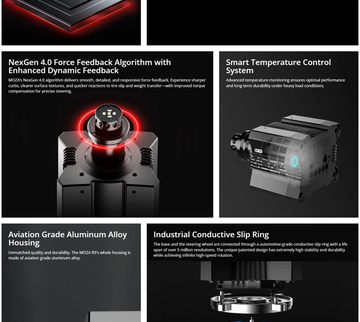
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At a Glance

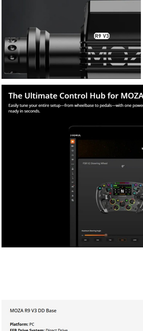
MOZA R9 V3 Direct Drive Wheel Base

The MOZA R9 V3 is a professional-grade direct drive wheel base delivering 9Nm of consistent torque. Engineered for precision and reliability, it is ideal for serious sim racers seeking a compact yet powerful force feedback solution.



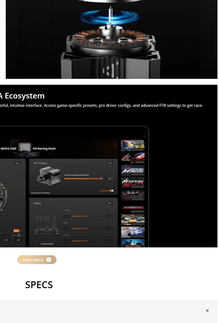
21-Bit Magnetic Encoder With a 280MHz High-Performance Processor

With 2,097,152 steps per rotation and an angular resolution of 0.0001°, the system ensures ultra-smooth control, rapid response, and exceptionally detailed force feedback for a highly precise and immersive driving experience.



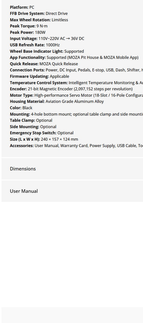
MOZA High-Performance Servo Motor

Custom-built servo motor designed for racing, offering ultra-smooth rotation, minimal vibration, and precise control.



NexGen 4.0 Force Feedback Algorithm with Enhanced Dynamic Feedback

MOZA's NexGen 4.0 algorithm delivers smooth, detailed, and responsive force feedback. Experience sharper curbs, cleaner surface textures, and quicker reactions to tire slip and weight transfer—with improved torque compensation for precise steering.



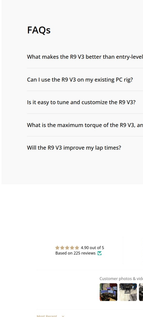
Smart Temperature Control System

Advanced temperature monitoring ensures optimal performance and long-term durability under heavy load conditions.



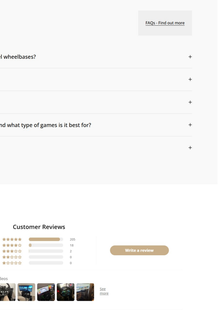
Aviation Grade Aluminum Alloy Housing

Unmatched quality and durability. The MOZA R9's whole housing is made of aviation grade aluminum alloy.



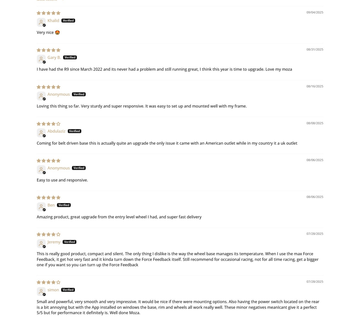
Industrial Conductive Slip Ring

The base and the steering wheel are connected through a automotive-grade conductive slip ring with a life span of over 5 million revolutions. The unique patented design has extremely high stability and durability while achieving infinite high-speed rotation.



The Ultimate Control Hub for MOZA Ecosystem

Easily tune your entire setup—from wheelbase to pedals—with one powerful, intuitive interface. Access game-specific presets, pro driver configs, and advanced FFB settings to get race-ready in seconds.



Learn More

SPECS

MOZA R9 V3 DD Base

Platform: PC
FFB Drive System: Direct Drive
Max Wheel Rotation: Limitless
Peak Torque: 9 N·m
Peak Power: 180W
Input Voltage: 170V~220V AC ~ 36V DC
USB Refresh Rate: 1000Hz
Wireless Support: Bluetooth: Supported
App Functionality: Supported (MOZA Pit House & MOZA Mobile App)
Quick Release: MOZA Quick Release
Connection Ports: Power, DC Input, Pedals, E-stop, USB, Dash, Shifter, Handbrake
Firmware Updating: Applicable
Temperature Control System: Intelligent Temperature Monitoring & Active Cooling
Encoder: 21-bit Magnetic Encoder (2,097,152 steps per revolution)
Motor Type: High-performance Servo Motor (18-Slot / 16-Pole Configuration)
Housing Material: Aviation Grade Aluminum Alloy
Color: Black
Mounting: T-slot bottom mount; optional table clamp and side mounting supported
Base Weight: Optional
Side Mounting: Optional
Emergency Stop Switch: Optional
Size (L x W x H): 245 × 157 × 134 mm
Accessories: User Manual, Warranty Card, Power Supply, USB Cable, Toolkit

Dimensions

User Manual

FAQs

FAQs - Find out more

What makes the R9 V3 better than entry-level wheelbases?

Can I use the R9 V3 on my existing PC rig?

Is it easy to tune and customize the R9 V3?

What is the maximum torque of the R9 V3, and what type of games is it best for?

Will the R9 V3 improve my lap times?

Customer Reviews

★★★★★ 4.90 out of 5
Based on 225 reviews

★★★★★	205
★★★★☆	16
★★★☆☆	2
★★☆☆☆	0
★☆☆☆☆	4

Write a review

Customer photos & videos

SEE MORE

Most Recent

★★★★★ 09/04/2025
Alfred Verified Buyer
Very nice

★★★★★ 08/31/2025
Gary S. Verified Buyer
I have had the R9 since March 2022 and its never had a problem and still running great, I think this year is time to upgrade. Love my moza

★★★★★ 08/19/2025
Anonymous Verified Buyer
Loving this thing so far. Very sturdy and super responsive. It was easy to set up and mounted well with my frame.

★★★★☆ 08/08/2025
Andrew Verified Buyer
Coming for belt driven base this is actually quite an upgrade the only issue it came with an American outlet while in my country it a uk outlet

★★★★★ 08/06/2025
Anonymous Verified Buyer
Easy to use and responsive.

★★★★★ 08/06/2025
Eric Verified Buyer
Amazing product, great upgrade from the entry level wheel I had, and super fast delivery

★★★★☆ 07/28/2025
Jeremy Verified Buyer
This is really good product, compact and silent. The only thing I dislike is the way the wheel base manages its temperature. When I use the max Force Feedback, it get hot very fast and it kinda turn down the Force Feedback itself. Still recommend for occasional racing, not for all time racing, get a bigger one if you want so you can turn up the Force Feedback

★★★★☆ 07/26/2025
James Verified Buyer
It is a good powerful, very smooth and very responsive. It would be nice if there were mounting options. Also having the power switch located on the rear of the unit. Overall pairing with the App installed on windows base, rim and wheels all work really well. These minor negatives mean/cant give it a perfect 5/5 but for performance it definitely is. Well done Moza.

1 2 3 >

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Price Difference

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