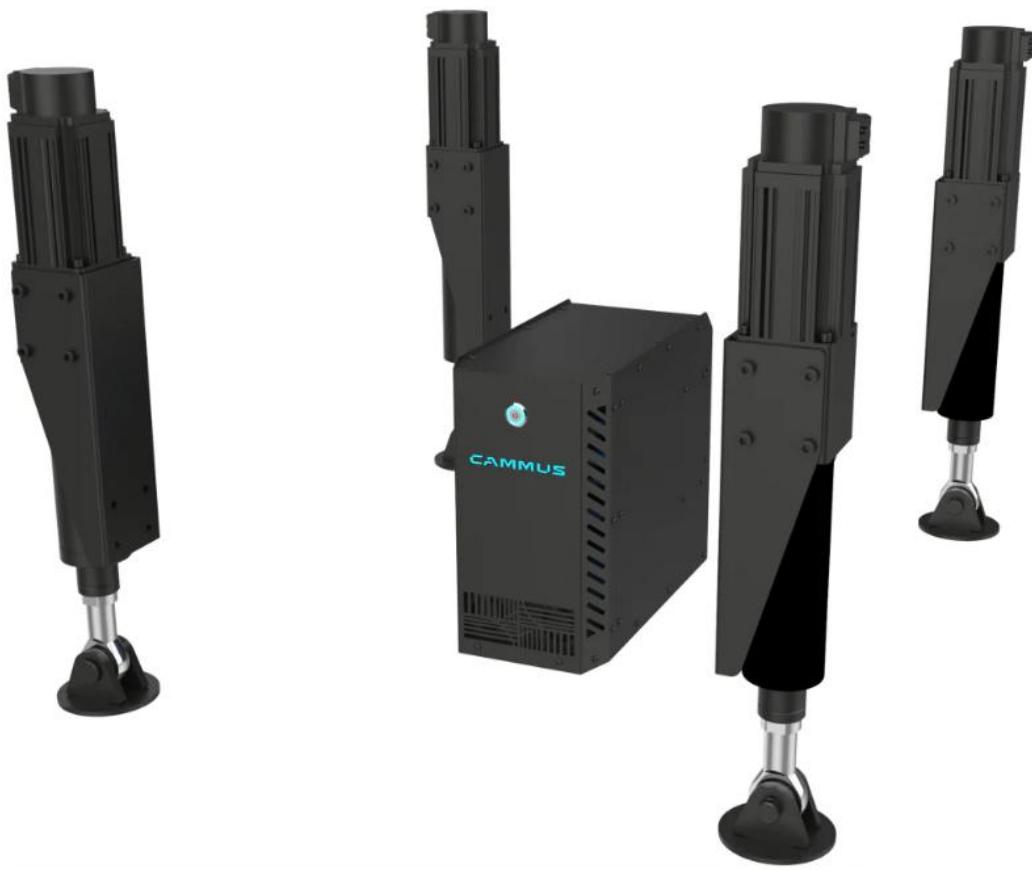


# CAMMUS RDS4

## Dynamic Motion Kit

### User Manual

---



For convenient and safe use of the CAMMUS Dynamic Motion Platform, please read this manual carefully before installation and operation. This manual contains important product and safety information. Please keep it for future reference.

## Safety Precautions

- Before powering on, ensure that all power cables are securely connected to the controller box. Do not connect or disconnect any cables between the controller box and the electric actuators while the system is powered on, as this may result in equipment damage.
- Upon startup, the system will automatically perform an internal self-diagnostic check. During this process, the electric actuators will reset based on the actual ground conditions. Asynchronous movement of the actuators during self-test is normal.
- Do not operate or store the equipment in wet, damp, or rainy environments. Exposure to moisture may cause short circuits, equipment damage, fire hazards, or electric shock.
- Recommended operating cycle: 60 minutes of continuous use followed by a 10-minute rest period. Do not exceed 180 minutes of continuous operation.
- If any abnormal behavior occurs during operation, immediately turn off the power and disconnect the device from the power source.
- First-time users should operate the device strictly in accordance with the Instructions for Use.
- If the motion response of the dynamic chassis becomes excessive or difficult to control after entering a game, stop the game immediately and adjust the motion parameter settings before continuing.
- This product is not suitable for unsupervised use by children or teenagers under 16 years of age. A parent or legal guardian must supervise setup and ensure appropriate motion parameters are configured prior to use.
- This dynamic motion chassis contains components that are not user-serviceable. Any unauthorized disassembly or modification of the controller box or electric actuators will void the warranty.

## System Compatibility

Supports mainstream PC racing simulation games.

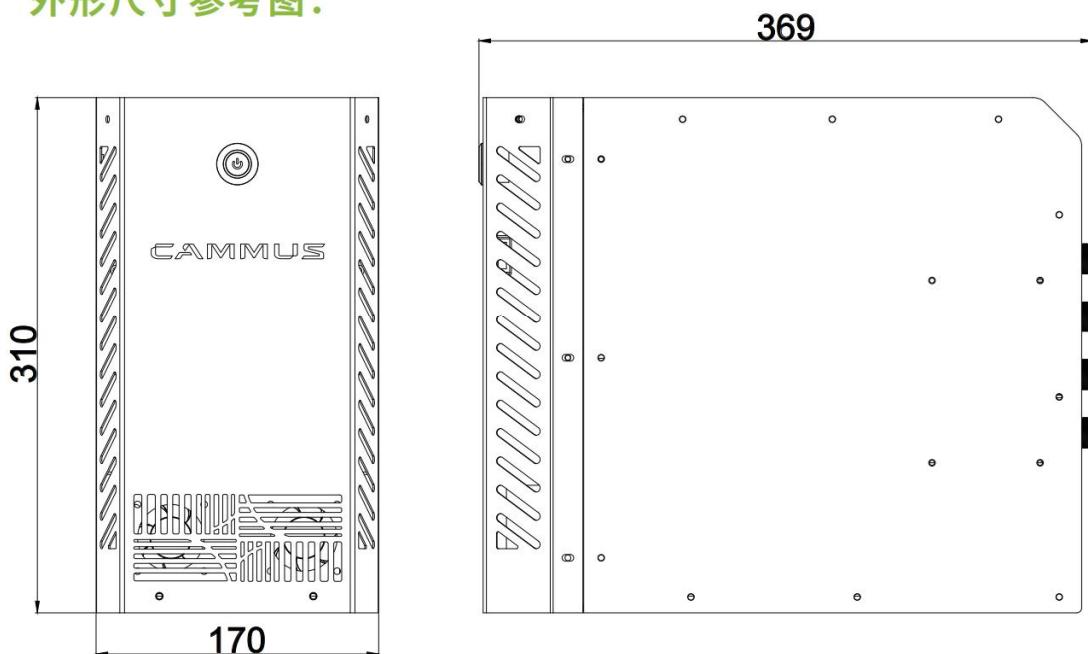
PC Requirements: Windows 10, 150 MB available disk space, USB 2.0 port.

## Basic Specifications

Item	Specification
<b>Controller Box Dimensions</b>	369 × 170 × 310 mm
<b>Controller Box Weight</b>	9.5 kg
<b>Input Voltage</b>	AC 186–240 V / AC 110–185 V
<b>Output Voltage</b>	50 V
<b>Output Current</b>	33 A
<b>Standby Power</b>	30 W
<b>Rated Power</b>	750 W
<b>Rated Voltage</b>	220 V
<b>Rated Torque</b>	2.39 N·m
<b>Peak Torque</b>	7.1 N·m
<b>Stroke</b>	80 mm
<b>Load Capacity</b>	200 kg (per actuator)
<b>Lead Screw Pitch</b>	5 mm
<b>Single Actuator Weight</b>	9 kg

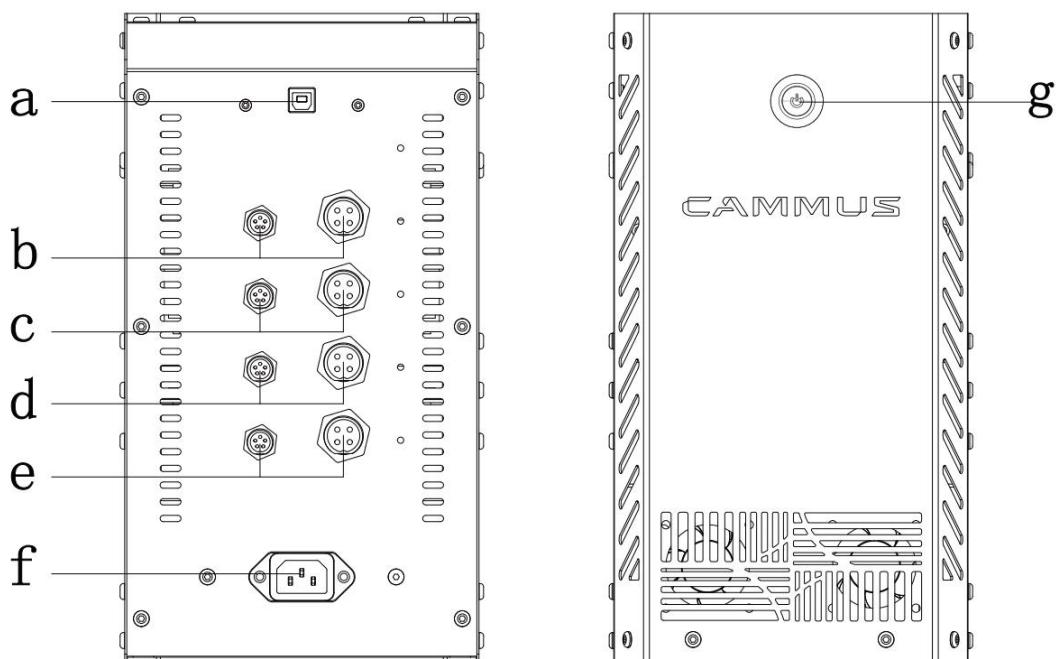
## External Dimensions Reference Drawing

外形尺寸参考图：

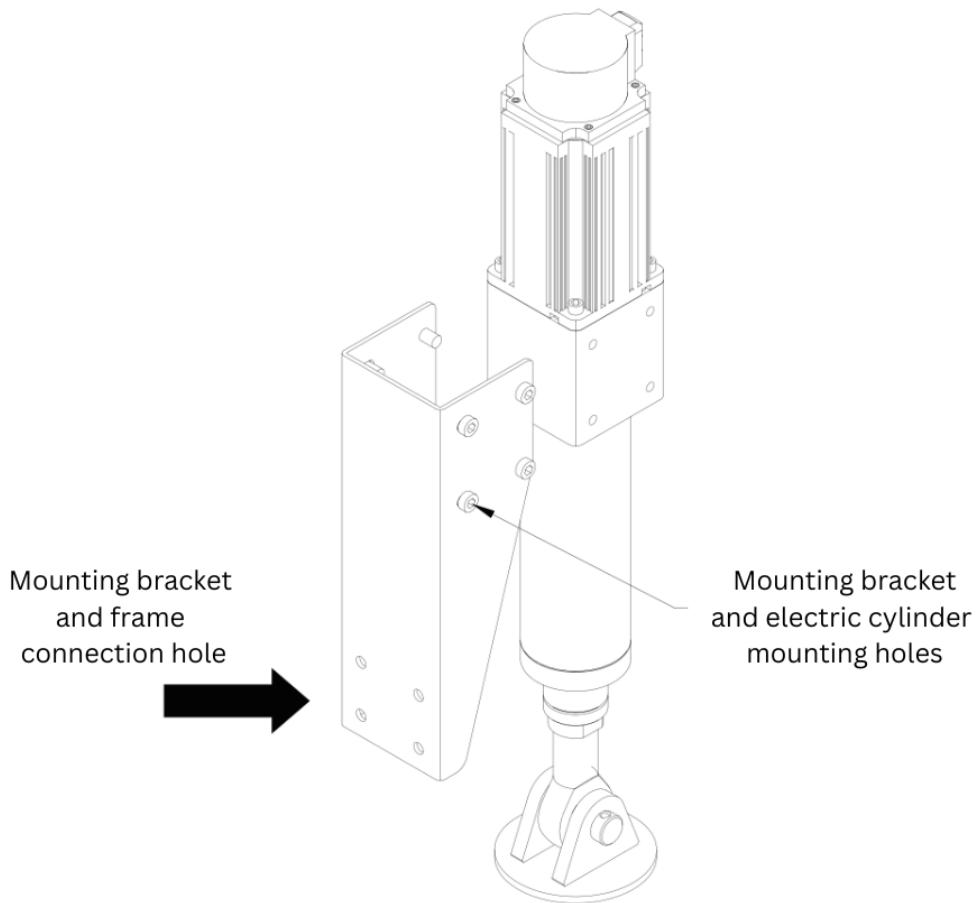


## Interface Description

Label	Description
a	USB port - Connects to PC for game data input
b	Front-left actuator (driver perspective)
c	Front-right actuator (driver perspective)
d	Rear-left actuator (driver perspective)
e	Rear-right actuator (driver perspective)
f	Power input (AC 110V / 220V)
g	Power switch (press 1s to power on, hold 3s to power off)



## Installation Instructions



Secure the actuator mounting bases to the simulator frame first, then install the electric actuators onto the mounting bases.

## Package Contents

Item	Quantity
Controller Box	1
Electric Actuator Assemblies	4
USB-B Data Cable	1
Actuator Cables	4
Actuator Bases	4
Actuator Mounting Brackets	4
Power Cable	1
Warranty Card & Manual	1

## Control Software (CAMMUS)

- Adjust motion parameters such as response speed, amplitude, and smoothness.
- Save and manage presets.
- Recommended settings for different vehicle types.
- Device management and firmware updates.

Download from official website: <https://cammusracing.com/downloads/>

## Warranty Information

This product comes with a one-year limited warranty. A valid warranty card and proof of purchase are required. Damage caused by misuse, unauthorized modification, or improper operation is not covered under warranty.

To ensure you receive CAMMUS warranty support, please do not damage the machine yourself, and do not operate the machine or system abnormally without the guidance of official or authorized personnel.

## Situations Where Warranty Service is not Provided

- Natural wear, tear, and aging of consumable materials;
- Failures caused by lightning strikes or other electrical system issues;
- Failures caused by force majeure events such as accidents, disasters, and war.

## Additional Notes

- First-time users must be guided by the device owner.
- Keep hair, cables, and loose clothing away from moving parts.
- Do not drive a real vehicle within 30 minutes after using the simulator.
- This manual is a general reference; actual product configuration depends on the purchased model.

Thank you for choosing CAMMUS. For the latest updates, please visit the official website.