



MOTION PLATFORM V3

USER MANUAL



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1 Introduction

Next Level Racing® would like to thank you for choosing the Next Level Racing® Motion Platform V3, a revolutionary product developed in cooperation with leading motion physics researchers, simulation experts, software engineers, professional drivers, and pilots to close the gap between virtual and reality. Our V3 has been designed to deliver the most physically accurate, realistic, and immersive experience with click and play software. With world-class customer service, we are here to support you along the way. If you have any questions regarding your product, email us at support@nextlevelracing.com.

WARNING

The Next Level Racing® Motion Platform V3 is not intended for use by children under 16 years of age. Close supervision and safety instruction is necessary when this product is used by or near children or persons with reduced physical, sensory, or mental capabilities. Keep the packaging away from small children as it poses a suffocation risk.

WARNING

Do not use if you are pregnant.

Notice: The platform may interfere with nearby sensitive radio-television appliances.



1.1 General Safety Instructions

WARNING

Read all safety instructions before installing and using this product. Save this document for future reference. If you transfer ownership of this product, be sure to include the instructions.

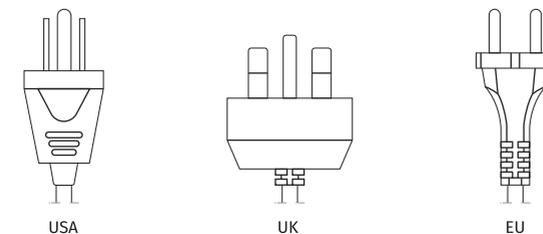
To reduce the risk of burns, fire, electrical shock, or injury:

- Use the platform for its intended use only, according to the instructions.
- Always turn all switches off and unplug the platform from the electrical outlet before hardware installation, maintenance, servicing, or repairs. Hazardous voltages may still be present in the power supply even several minutes after it has been turned off.
- Indoor use only - do not store or use the product outdoors.
- Keep the platform away from heat sources, high humidity, water, and other liquids. Do not store in a very cold space where condensation may occur.
- Keep all component guards and shields in place and do not touch the internal components when the platform is powered on.
- Do not disassemble the product. Any tampering with or altering the product will void the warranty, poses a serious risk of electric shock, and may irreparably damage the product.
- Do not cover the vents.
- Keep the power cord plug and the socket clean and dust-free.
- Protect the power cord from damage by being stepped on, rubbed against, or pinched.
- Do not use the platform if the ambient temperature is below 4° Celsius/39°F or above 45° Celsius/113°F.
- Do not use the platform and contact technical support at support@nextlevelracing.com if it has been damaged, or any component is broken or missing.
- Stop using the platform immediately and contact technical support at support@nextlevelracing.com if you notice or smell smoke, hear unusual noise, or otherwise suspect that it is not working properly.
- Do not use attachments or replacement parts not recommended or approved by the manufacturer. Do not replace the power cables provided with the product. Use certified power and USB cables only.
- Connect the platform to a properly grounded outlet only, paying attention to the polarity of the socket. See grounding instructions.
- Turn the platform off when not in use.
- Unplug the platform from the power source if not used for an extended period of time or during a lightning storm.

- Any warranty and non-warranty repairs must be performed by the distributor's service department or a specialized servicing contractor authorized by the manufacturer.
- Before using the platform, inspect its environment (surroundings).
- Keep children away from the operating platform!
- Secure the platform, especially when using VR headset or headphones to avoid uncontrollable access by children and/or animals e.g. by closing the door to the room.
- Getting children near (close to) the operating platform is particularly dangerous.
- Never put your hands into the slots (space) in which the platform's components move.

1.2 Grounding Instructions

In the event of a system malfunction or breakdown, grounding provides a path of the least resistance for electric current to reduce the risk of electric shock. The platform is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances. Do not modify the plug provided - if it does not fit the outlet, contact technical support at support@nextlevelracing.com.



1.3 Ergonomic and Health Warnings

The safety and comfort of our customers is our top priority. It may be tempting to keep using the platform for extended periods of time, but please use your best judgment when allocating time to spend with this product.

WARNING

By its nature, the Next Level Racing® Motion Platform V3 can perform forceful, rapid movements. We have made every effort to protect users and bystanders from injury due to mechanical parts movement and electrical connectivity. As with any mechanical device, the user is responsible for inspecting the condition of the machine prior to use and adhering to safe operating procedures.

Repetitive motion, force feedback vibrations, and/or continuous muscle tension may lead to injuries if the platform is used for extended periods of time. To avoid it:

- Keep the total time you spend using the product within reasonable limits.
- Take at least 10-minute rest break for every hour of using the platform to stretch out.
- Use correct posture that feels comfortable.
- Try to alternate experiences: switch between games that offer varied sensations.

If you are under a doctor's care for any muscle or joint condition, or if you think you may have any such condition, please consult your physician before using the platform. Stop using the platform immediately if you start feeling pain or if you experience any dizziness or nausea. Do not use if you are pregnant.

1.4 Liability Disclaimer

DISCLAIMER

Next Level Racing®, Motion Systems, and their partners are not liable and shall not be held responsible for any injury, death, loss, expense, or damage suffered or incurred by any person using the platform if it is the result of improper assembly, abuse, misuse, modification, tampering or applying components not shipped with the product.

2 Technical Details

TIP

Please be sure to take note of your **serial number** before installation as you require this to download your software.

The Next Level Racing® Motion Platform V3 is suitable for indoor use only. It is intended for personal use, but it may be suitable for certain commercial applications. Please contact us at support@nextlevelracing.com if you are looking to use the platform for your business.

2.1 Cockpit Compatibility

- Next Level Racing® **GTtrack** (Refer NLR-S009 GTTrack instructions for installation.)
- Next Level Racing® **F-GT & GT Elite Cockpits** (Refer NLR-E013 Elite Motion Adaptor Upgrade Kit instructions for installation.)
- Next Level Racing® **F-GT Elite 160 Cockpit** (Refer F-GT Elite 160 instructions for installation.)
- Next Level Racing® **Flight Simulator Pro** (Refer NLR-S033 Flight Seat Pro instructions for installation)
- Next Level Racing® Motion Platform V3 can also be adapted to other cockpits using NLR-E013 Elite Motion Adaptor Upgrade Kit.

2.2 Content of the Package

- 1x Motion unit
- Buttkicker adaptor
- Power and USB cables
- Set of nuts, bolts and washers
- Product manual

2.3 Technical Data

- Power source: 100 – 240V, 50 – 60Hz, 3.6A
- Rated power: 240W
- Protection Class: I
- Maximum payload: 130kg
- Unit dimensions: 460 x 350 x 200 mm
- Unit weight: 24kg
- Maximum USB cable length: 2m
- Maximum power cable length: 2m

2.4 Limitations

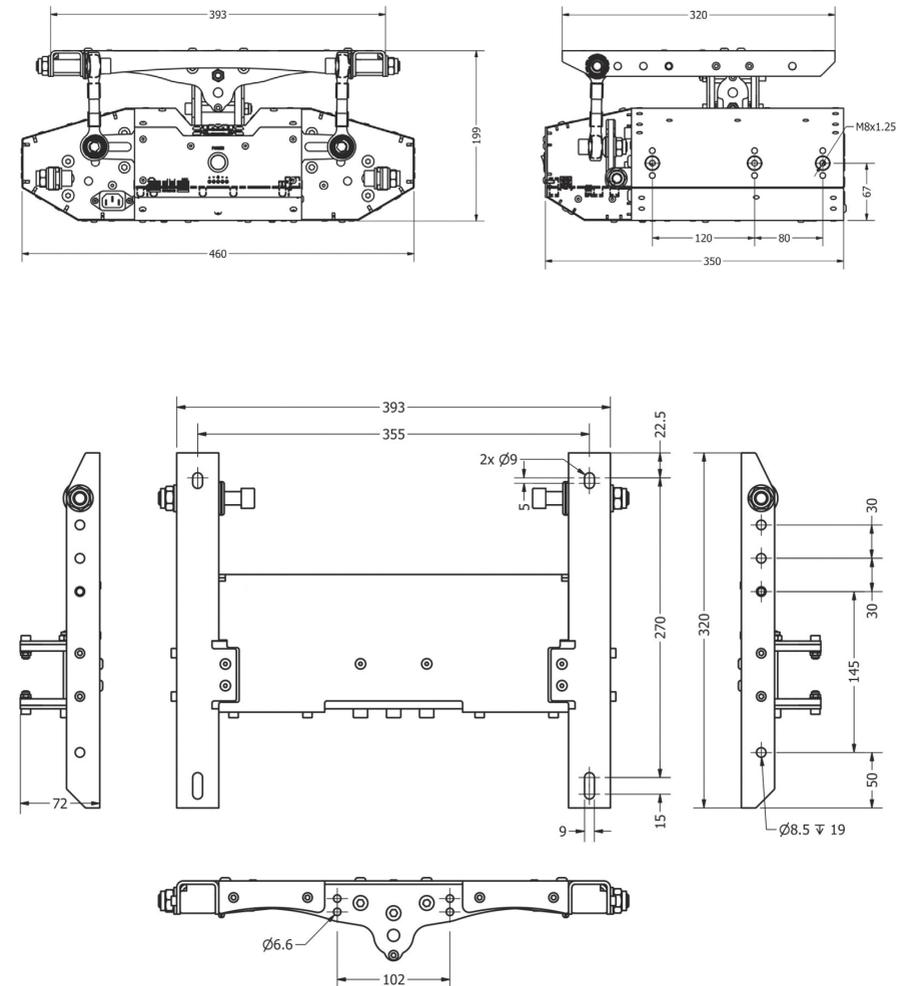
- No vibration generating devices (except tactile transducers) can be attached to the top frame.
- Maximum allowable total weight of all tactile transducer attached to the top frame: 2.3 kg (5.0 lbs)
- The top frame movements cannot be limited by any obstacles.
- Seat belts and harness tensioners must NOT be attached to any static part of the cockpit.

2.5 Built-in Power Supply Specification

- Active PFC function
- Protections: short circuit, overload, over voltage, over temperature
- Safety standards: UL60950-1, TUV EN60950-1 approved
- Withstand voltage: I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC
- Isolate resistance: I/P-O/P, I/P-FG, O/P-FG:100M Ω hms/500VDC/25C/70% RH
- EMI conduction & radiation: Compliance to EN55022 (CISPR22) Class B
- Harmonic current: Compliance to EN61000-3-2,-3
- EMS immunity: Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A

2.6 Dimensions

All dimensions are provided in millimeters.



3 Installation

3.1 Components

6x M8x20



4x M6x20



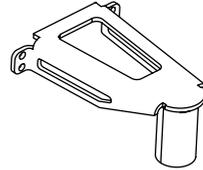
4x M6 Washer



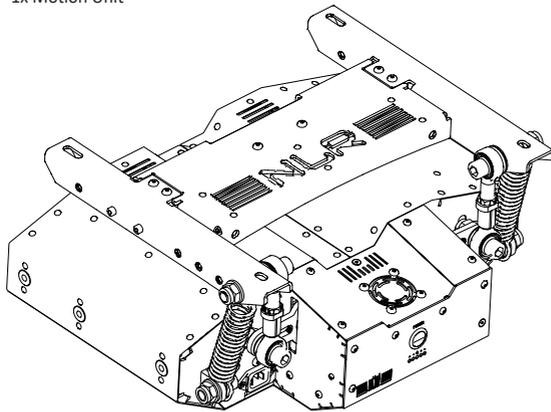
4x M6 Nut



1x Butt kicker Adaptor



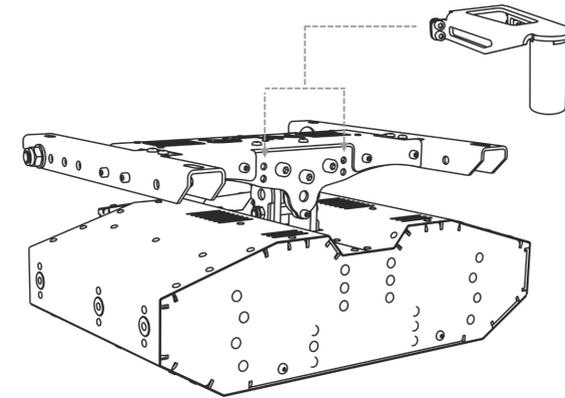
1x Motion Unit



3.2 Tactile Transducer Installation

Before you attach the Next Level Motion Platform to your cockpit, it is recommended to attach the Butt kicker adaptor first. The Butt kicker Gamer 2 or other tactile transducer can be attached to the platform using a dedicated adaptor, included with the product.

1. Install the adapter, using 4 attached bolts and nuts (M6 x 20mm)



2. Attach the Butt kicker to the adaptor. Refer to the Butt kicker User Manual instructions.
3. Maximum weight of the device that can be installed to the motion platform is 2.3kg (5.0 lbs).

3.3 Motion Platform Installation

Refer 2.1 Cockpit Compatibility for suggested installation instructions to allocated cockpit. NLR-E013 Elite Motion Adaptor Upgrade Kit is recommended for general installation of Next Level Racing® Motion Platform V3.

3.4 Seat Belt Installation

Refer to the Seat Belts Installation Manual for details. If you require an assistance regarding correct seat belt installation, contact technical support at support@nextlevelracing.com.

WARNING

Do not under any circumstances, attach seat belts to side plates or Motion Platform base. Seat belts can be attached to the **top frame** of the Motion Platform or frame attached to seat. The same limitation applies to seat harness tensioners.

3.5 Connecting to PC and Software Installation

Once the motion platform is securely installed:

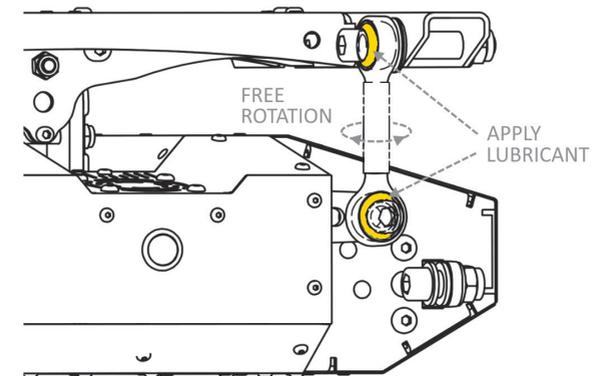
1. Plug in the power cord and turn on the motion unit. As soon as it is on, the platform will perform the initial position calibration, moving the cockpit. After a few seconds, the green light will come on, indicating that the unit is ready to use.
2. Connect the platform directly to PC USB port. Using a USB hub is not recommended. The operating system will automatically install the necessary drivers. Be sure to check that the USB and power cords have enough clearance and do not interfere in the operating range of the platform to prevent damaging cords and cables.
3. Visit www.nextlevelracing.com/support-downloads to download and install the software, providing your product's serial number.

4 Maintenance

To reduce the risk of fire, keep the platform dust-free. To clean the unit, use a soft, dry cloth. Do not use solvents or cleaners that may corrode or otherwise damage aluminum, steel, or plastic parts of the platform.

If the connection rods do not move freely, or generate squeaky or clicking sounds, the rods ends may need lubricating. The rods are sufficiently lubricated upon delivery, but the lubricant may be forced out of pressure points overtime. If you suspect this is the case:

1. Unplug the power cable.
2. Check if the connection rod can be rotated freely by hand and if it does not generate any noises.
3. Rotate the connection rod to different positions and apply lubricant to the ball swivel (marked in YELLOW on the picture).
4. Repeat above steps until the problem is solved.



WARNING

Do not under any circumstances, allow the lubricant to get inside the motion platform from rod ends section because it might contaminate reference position sensor and affect the start-up calibration routine. In the worse case scenario, the motion platform will not be able to calibrate correctly and it will stop working until sensors are cleaned or replaced.

Recommended types of lubricants:

- Silicon-based lubricant
- WD-40 or similar if nothing else is available
- Ball joint lubricant (automotive)

5 Conformity Information

 EU Machinery Directive 2006/42/EC, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU

 UK Regulations (post-Brexit) equivalent to EU Directives

 FCC 47 CFR Part 15, Class B digital device

 Australia/New Zealand Electrical Equipment Safety System (EESS) & ACMA

6 Environmental Impact and Disposal



Do not dispose of this product as unsorted municipal waste, use separate collection facilities. Contact your local authority for information regarding the collection systems available. WEEE Directive 2012/19/EU, EN 50419:2022

7 Warranty

This product comes with a 2 years limited warranty, starting on the day of purchase for personal use. For commercial customers, there is a 1 year limited warranty, starting on the date of purchase.

Within the warranty period, the product will be repaired or replaced free of charge, excluding shipping charges. No new warranty period commences if the product is repaired or replaced. Your statutory rights towards the seller are not affected or restricted by this warranty.

This warranty does not cover misuse, unauthorized modifications, and external causes such as acts of nature. This warranty does not cover normal wear and tear or damage to the platform or products in connection with the platform.

Next Level Racing®, Motion Systems, and their partners are not liable for any indirect, incidental, or punitive damages from use of this product.

8 Troubleshooting and Support

Before you contact technical support:

1. Check if all the cables are properly connected.
2. Turn off the PC and the platform, restart, and try again.
3. If your platform suddenly stops responding, this may be a result of thermal protection being activated. Turn it off, let it cool off for at least 15 minutes, and try again.

If you require further assistance, contact technical support at support@nextlevelracing.com.

WARNING

Any warranty and non-warranty repairs should be performed by the distributor's service department or a qualified technician, authorized by Next Level Racing®.

9 Customer Feedback

The Next Level Racing® Motion Plus Platform is designed to set a new benchmark in motion simulation. We have used feedback from our customers to drive innovation and continually improve our products. We design and engineer our products purely for the enjoyment of our customers, and that is why we always encourage our customers to send us their comments and suggestions. Let us know about your experience: support@nextlevelracing.com.

Software download: nextlevelracing.com/support-downloads





support@nextlevelracing.com