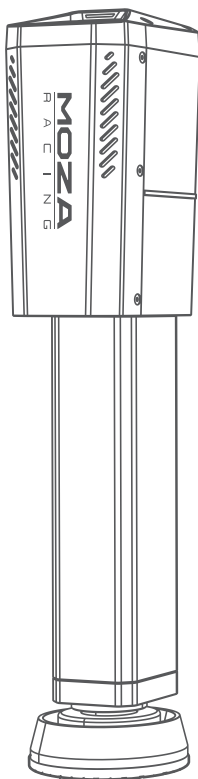


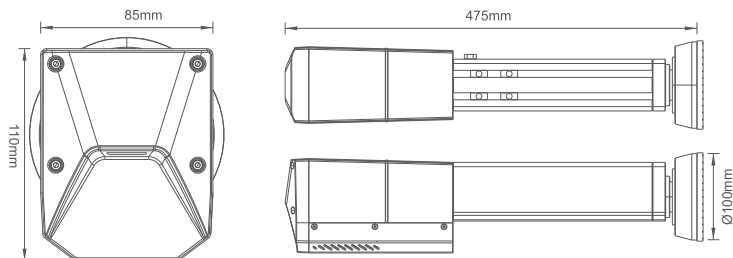


Haptic Motion Actuator HMA150

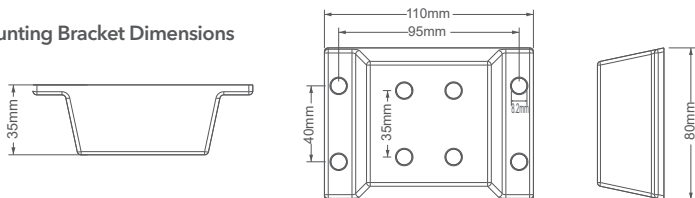


01 Dimensions

Actuator Dimensions

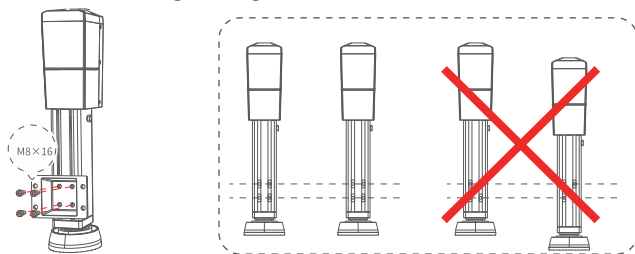


Mounting Bracket Dimensions



02 Installation Guide

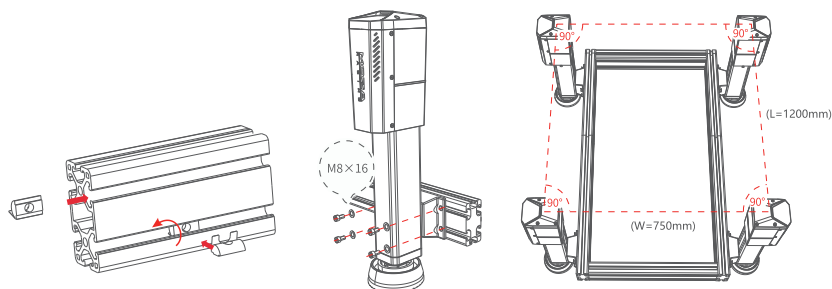
1. Use four M8×16 screws to secure the mounting brackets to the actuator's T-slot rail. It is recommended to mount the brackets at the lowest position. Make sure that all actuators are aligned at the same height, using the rail scale as a reference.



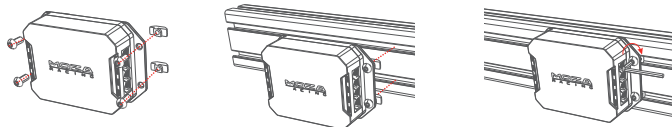
2. Use four M8×16 screws and spring nuts to secure each actuator to the aluminum profile rig. Then place the support base and anti-slip pad underneath the actuator. (Spring nuts can be slid into the slot from the side of the aluminum profile, or inserted directly into the slot and rotated into position.)

Important:

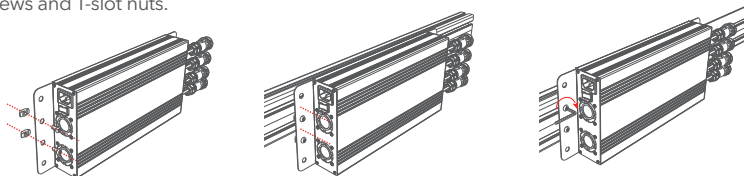
1. Before installation, ensure the aluminum profile rig is stable and all fasteners are securely tightened. An EU-standard 4080 aluminum profile or larger is recommended. 2. The actuators must be installed vertically, with the actuator body perpendicular to both the floor and the rig structure. 3. For best results, mount the monitor on a separate stand rather than directly to the rig. Recommended Rig Dimensions * Length (L): 1200 mm * Width (W): 750 mm * Supported installation range (L/W): 500-2500 mm



3. Secure the main control box to the rig using four M5×10 screws and T-slot nuts in a suitable position.



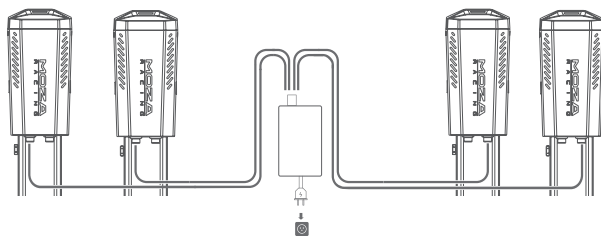
4. Secure the power adapter to a suitable location on the aluminum profile rig using four M5×10 screws and T-slot nuts.

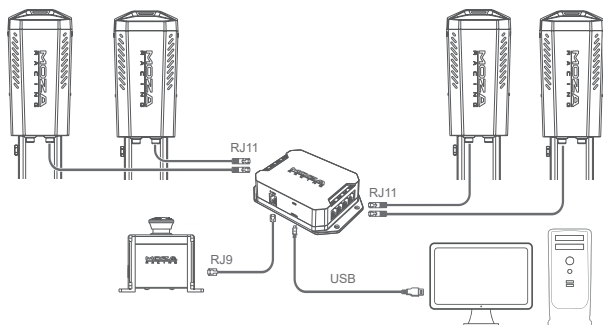


5. Connect the actuator power cable to the power adapter, then plug the power adapter into a 110-220 V AC outlet. Connect the actuator RJ11 cable and the emergency stop switch RJ9 cable to the corresponding ports on the main control box. Connect the USB-C end of the USB cable to the main control box and the USB-A end to a USB port on your PC.

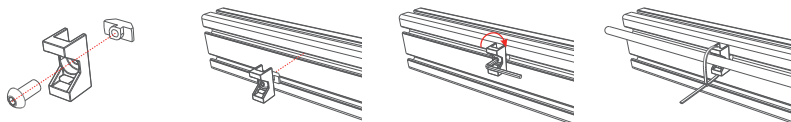
⚠ Important:

The emergency stop switch must be connected to the main control box. Do not connect the emergency stop switch directly to a PC, as this may interfere with the operation of other devices.

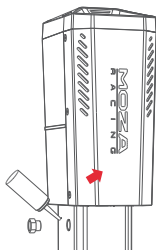




5. Attach the cable clips to the aluminum profile rig and secure the cables to the clips using cable ties. Ensure all cables are properly secured and that no strain, tension, or pinching is applied to the connections at the control box or PC.



6. Remove the dust cap and apply grease through the lubrication port (not included due to shipping restrictions; recommended: AILUBE EM200 or PanHen EPONEX SR No.2 lithium grease), then reinstall the cap. No lubrication is required before first use. Reapply every 6-12 months as needed.



03 Software Setup

1. Download MOZA Motion Manager from the MOZA Racing website at www.mozaracing.com via the Help Center.
2. Launch the software and confirm that all devices are properly connected.
3. Configure the actuator ports.
4. Follow the indicator lights, where a blinking red light indicates the active actuator.
5. Complete the configuration and run the system self-check.
6. Perform automatic position calibration and wait for the process to complete.
7. Click the "Start" button to raise the system. The button will change to "Stop" once the system is active.
8. Run manual tests to verify that the motion behavior is functioning correctly before entering the simulator.



Important: To prevent injury, always keep hands and feet away from the actuators and the area beneath the seat during operation. Failure to follow these precautions may result in serious injury.

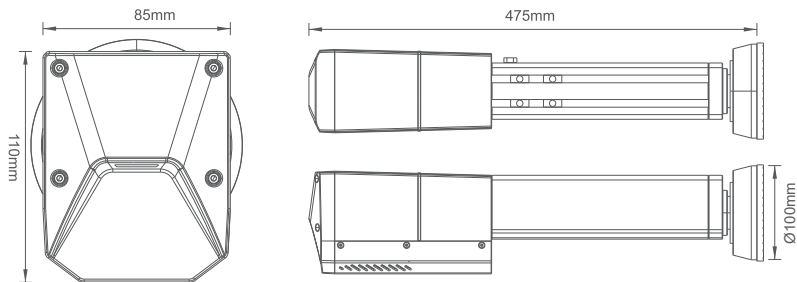
04 Precautions

To ensure safe and proper use of this device, please follow these guidelines:

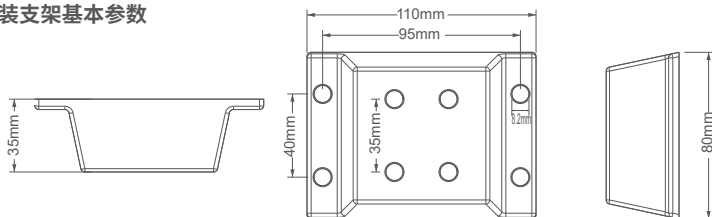
- Avoid using the device in direct sunlight.
- Keep the indoor temperature between 15°C ~ 35°C for optimal performance.
- Not suitable for: pregnant users, individuals with heart conditions, elderly users, or those with pre-existing medical conditions.
- For your safety and well-being, please monitor your gaming time and take breaks as needed.
- This device is not suitable for children under 12 years old due to small accessories that may pose a choking hazard. Children under 16 must be accompanied by their parents while using this device.
- Do not disassemble the equipment yourself as doing so will void your warranty.
- Connect only with factory-equipped power supply to ensure safe electricity usage and protect user rights and interests.
- Parts repair or replacement can only be carried out by officially authorized repair centers to maintain safety standards.
- The use of non-standard power supplies is prohibited even if the relevant voltage and other data match.
- Exposure of the equipment to heat sources is prohibited.
- Unplug the unit from the power cord and disconnect it if it is not to be used for a long period of time.
- If you observe any abnormalities, please stop using it immediately and seek assistance from MOZA officials or the authorized center relevant to your concern.
- Stay tuned to the MOZA website and public platform for the latest product information.
- This product has high force feedback strength and small parts. Children are prohibited from using it without adult guidance.
- Please keep the product away from loose clothing and easily entangled objects, such as hair, cables, or skirts.
- For more information on software updates, please visit our website.
- The product images and content above are for demonstration purposes and may not precisely match the external design (including but not limited to appearance, color, size) and content display (including but not limited to background, UI, pictures) of the actual product. Please refer to the actual product for accurate information.
- The above test data are all from the MOZA test laboratory and may not reflect the actual performance factors due to usage conditions and environmental reasons.
- The information provided such as descriptions and images, is subject to change. MOZA may update the content to better reflect the performance and specifications of the actual product, ensuring more accurate information. Product availability may vary due to unforeseen issues during batch processing or delivery. In such cases, MOZA reserves the right to modify the descriptions and images as needed without prior notice. For the most up-to-date information, please refer to official channels.

01 基本参数

执行器基本参数

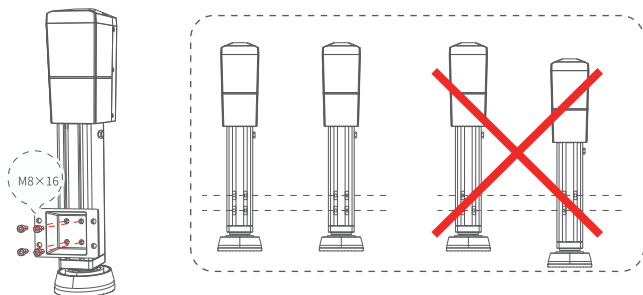


安装支架基本参数



02 安装教程

1. 使用4颗M8×16螺丝将安装支架固定于执行器滑轨的T型螺母上。推荐安装于滑轨最底端，也可按需调整安装高度，需确保所有执行器处于平台同一高度，可通过滑轨刻度尺辅助对齐

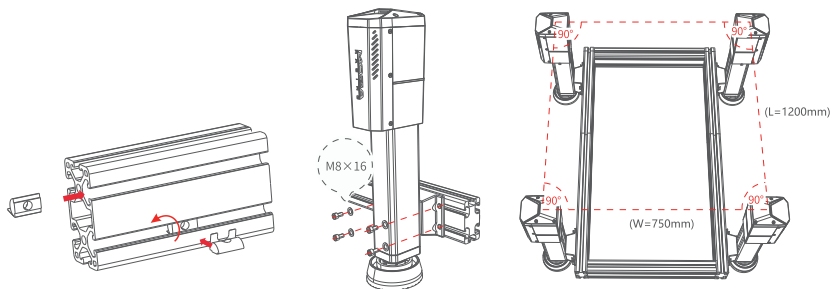


2. 用4颗M8×16螺丝和弹片螺母将执行器固定于型材平台，随后在执行器底部放置支撑座和防滑垫。(弹片螺母可从型材侧面滑入槽内，亦可从正面放入槽内再旋转到正确位置)

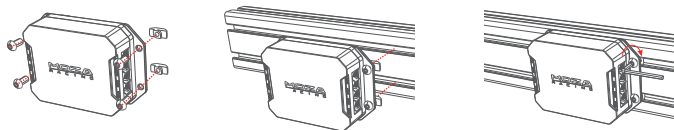
⚠ 注意：

1. 安装前请确认型材平台是可靠牢固的，且所有连接点无松动，推荐使用欧标4080及以上型材。
2. 执行器必须垂直于水平的地面及型材平台安装。
3. 建议将显示器与型材平台分离安装。

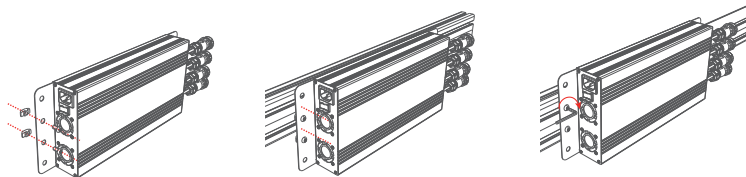
推荐安装尺寸：L=1200mm，W=750mm，L/W的有效安装尺寸=500~2500mm。



3.使用4颗M5*10螺丝和T型螺母将主控制盒固定到型材支架合适位置上

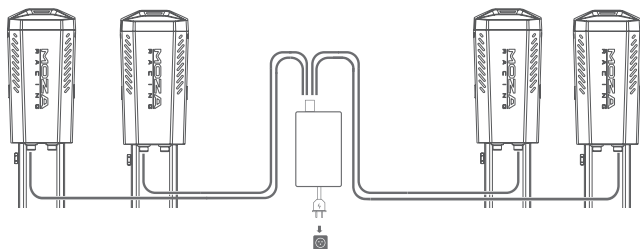


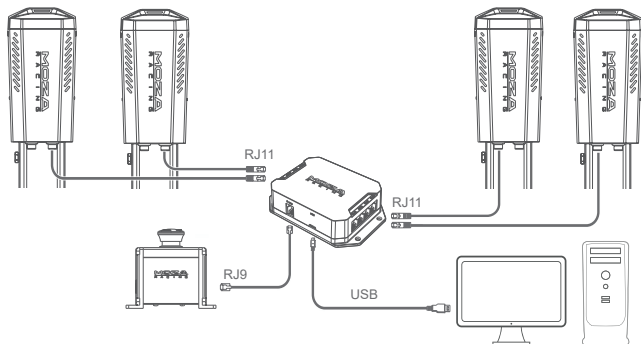
4.使用4颗M5*10螺丝和T型螺母将电源适配器固定到型材支架合适位置上



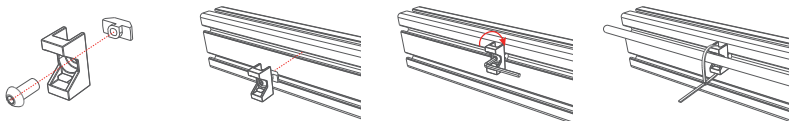
5.将执行器的电源线接入电源适配器,并将电源适配器接入110~220V插座。将执行器的RJ11线和急停开关的RJ9线分别接入主控制盒对应接口。USB-C接入主控制盒对应接口,USB-A接入PC对应接口。

⚠ 注意:急停开关必须接入到主控制盒,请勿将急停开关直接接入PC,否则可能影响其他设备运行。

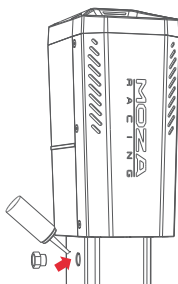




5. 将理线夹固定在型材支架上并将线束通过扎带固定在理线夹上, 保证线束固定稳固, 确保线束与控制器、PC端口连接处不会被拉扯或挤压。



6. 润滑脂添加: 拧开防尘螺丝后, 往注油口加入润滑脂(由于运输限制不随产品附送, 推荐型号: AILUBE EM200用于桶身, DAPHNE EPONEX SR NO.2用于丝杆), 加注完成后拧入防尘螺丝。首次使用无需添加, 建议使用时长6~12个月视情况添加。



03 软件介绍

1. 在MOZA Racing官网(WWW.MOZARACING.COM)的帮助中心下载MOZA Motion Manager软件并安装。
2. 打开MOZA Motion Manager, 确认设备处于已连接状态。
3. 在配置页面, 配置执行器端口, 留意对应执行器的指示灯(红灯闪烁), 依次进行配置。
4. 点击完成配置并自检, 等待系统自检完成。
5. 点击自动位置标定, 等待标定完成。
6. 点击”启动”按键等待系统升起, 按键会变为”关闭”。
7. 进行手动测试并确认系统动态符合描述, 确认完毕可进入游戏游玩体验。



注意: 严禁将手脚伸入座椅下方或靠近执行器系统, 否则可能导致严重的身体伤害

04 注意事项

- 严禁在太阳直射的条件下使用设备
- 建议室内温度: $15^{\circ}\text{C} \sim 35^{\circ}\text{C}$
- 为了您的健康, 请合理控制游玩
- 适用人群限制: 孕妇、心脏病患者、老年人或有既往病史的人员禁止使用
- 设备不适用于12岁以下儿童, 小配件可能造成窒息的危险!
- 16岁以下孩童需在家长陪同
- 严禁自行拆解设备, 否则将失去质保资格
- 设备必须使用配套出厂的电源进行连接, 以保障用电安全及用户权益得到保障
- 为保障相关安全, 零部件维修或者更换只能由官方授权维修中心进行
- 即使相关电压等数据匹配, 亦禁止使用非标准电源
- 只能使用标准壁式电源插座提供的交流电源以避免对产品造成损坏
- 禁止将设备暴露在热源中
- 长期不使用的情况下, 请拔出设备电源线断电
- 如发现有任何异常, 请立即停止使用并寻求 MOZA 官方或相关授权中心的帮助
- 请关注 MOZA 官网及公众平台以了解最新的相关产品信息
- 本产品力反馈强度高, 零件小。儿童在没有父母指导的情况下禁止使用
- 应远离宽松的衣物和容易缠绕的物体, 比如头发、电缆、裙子等
- 开箱后即可使用。固件在出厂时会更新到最新版本。更多关于软件更新的信息, 请访问MOZA 网站
- 以上产品图片及内容仅供演示之用。实际产品的外部设计可能略有不同 (包括但不限于外观、颜色、大小) 和内容显示 (包括但不限于背景、UI、图片)。请检查实际产品供参考。
- 以上测试数据均来自MOZA测试实验室, 由于使用条件和环境原因, 可能无法反映实际性能的因素
- 以上内容, 如描述、图片等, 可能会有更改。MOZA可能会根据实际产品的性能和规格来调整相关内容, 以提供更准确的产品信息。由于在批量处理或交付过程中出现不可预见的问题, 产品供应可能会发生波动。在这种情况下, MOZA可能会改变相关说明和图片, 如有需要恕不另行通知, 请通过官方渠道了解相关信息

产品保修卡

产品型号		购买日期	
用户姓名		用户电话	
产品条码		通讯地址	

经销商信息(签章)

产品保修条例

保修期

自购机日起, 基座主体, 方向盘, 踏板, 执行器和仪表显示屏保修12个月。设备外壳、说明书、线材、螺丝、扳手、包装等不在"一年免费保修服务"范围内, 但您可以选择有偿服务。

购买者在以下条件下不享受免费保修服务, 但您可以选择有偿服务。

1. 超过三包有效期的 ;
2. 无三包凭证及有效发票的, 但能够证明该产品在三包有效期内的除外 ;
3. 包修凭证上的型号与修理产品型号不符或者涂改的 ;
4. 非本公司特约维修人员拆动造成损坏的 ;
5. 因不可抗力造成损坏的 ;
6. 未按产品使用说明书要求使用、维护、保养而造成损坏的。

保修期限鉴于产品部位、不同国家法律法规等差异, 将有所不同。相关国家与区域的保修期限, 请咨询MOZA官方或购买时联系的MOZA授权经销商。





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Address: Room 1903-1904, Building 3, Nanshan
ZhiyuanChongwen Park, No. 3370 Liuxian Avenue,
Nanshan District, Shenzhen China
Web: www.mozaracing.com
E-mail: info@mozaracing.com
Made in China

EU Representative: Gudsen Technology EU GmbH
Address: Birkenstrasse 23, 40233 Düsseldorf
Email: support@gudsen.com

UK Representative: Gudsen Technology UK Limited
Address: Tc-Abo, Luminous House, 300 South Row
Milton Keynes, MK9 2FR, United Kingdom
Email: support@gudsen.com