

At a Glance

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| Base area | 68 x 63 cm (27 x 25 inches) |
| Base area, with foot rest | 145 x 63 cm (58 x 25 inches) |
| Height (inc. Seat) | 122 cm (48 inches) |
| No. actuators | 2 |
| Maximum velocity | 71.2 degrees/second |
| Maximum torque | 64.4 Nm |
| Maximum pitch & roll | 27 degrees |
| Min. rider height (approx) | 120cm (4') |
| Max. rider height (approx) | 200 cm (6' 7") |
| Max. rider weight (approx) | 140 kg (308 lbs) |
| Approx shipping weight | 50 kg (110 lbs) |
| Approx power consumption | 150w |



Construction

- Tough, stylish black powder-coated finish
- Super-strong, lightweight anodised aluminium chassis and tough ABS housing
- Precision engineered mechanical parts and high-quality ball bearings provide optimum motion detail and reliability
- Multi-point adjustable feet and extendable support legs for stability on uneven surfaces
- Threaded mounting holes provided on base for permanent attachment to floor
- Optional Ultra-lightweight professional racing seat

Safety Features

- Gaitered conduits prevent finger trapping and dust entering housing
- Motion defeat switches in housing halt actuators in the event of contact with a foreign body
- Large easy-access emergency stop button
- Low voltage electronics prevent the risk of electric shock
- Optional 3 point safety harness with custom-embroidered seatbelt pads

Adjustability

- Independent height, tilt and reach adjustability for steering shelf, shifter mount and foot rest provides optimum comfort for a large range of riders. Single action tool-less adjustment allows for a faster and smoother change over for drivers (controller mounts optional)
- Reversible shifter mount for left or right hand drive layouts
- Generously sized control tables with dedicated mounting holes for a number of popular controllers including Logitech and Saitek
- Platform-based seat reclination mechanism and industry standard seat mounting layout ensures compatibility with a variety of popular fixed-back racing seats (please contact JoyRide for more information)

Transportation and Stowage

- Tool-less removable foot rest and steering wheel mount permit unit to be stored in a small corner or easily transported in the boot of a saloon car. Integrated castors assist rapid relocation
- Total weight is less than 50kg (110lbs)



Motion System

- Dual high-speed, high-precision 400mm/s (100N) actuators with maintenance-free brushless stepper motors
- Patented load-compensating ForceAssist[™] technology maximises performance while minimising actuator power requirement
- RealFeel[™] closed-loop hardware controller ensures jitter-free movement to impart organic motion

Optional Tactile Transducer System

- Unique RideNet[™] PC controlled 100w RMS digital amplifier permits gain and low frequency cut-off to be controlled via PC, allowing auto-recall of settings for individual games or users
- Powerful Dual Tactile Transducers with 20-100hz frequency response reproduce engine vibrations
- Integrated audio line-level repeater facilitates unrestricted chaining of units with no signal loss

Electronics

- Stylish blue power indicator and tri-colour status leds
- Modular Rear I/O panel features USB 2.0 connectivity
- 110/240VAC Operation via universal internal power supply

Networking

- Connect an almost limitless number of devices via standard RJ45 (Ethernet) leads to operate in unison with JoyRide's unique RideNet[™] passenger system. Individual motion profile settings can be specified for each seat if required
- Quick and easy device identification and setup system eliminates headaches with large-scale installations
- Open protocol and SDK for use by software developers
- DMX512 compatible

Software Features

- JoyRide's bundled SIMPHYNITY[™] software provides un-rivalled game support, individual user profiles, RideNet[™] multi-seat support and editable pre-programmed motion settings for each game. See www.joyridesimulators.com for more information

