

## At a Glance

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, black powder-coated and stainless steel finish
- Super-strong, lightweight aluminium chassis with 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 4 point safety harness

## Adjustability

- Independent adjustability for steering shelf, shifter mount and foot rest provides optimum comfort for a large range of riders. Tool-less adjustment allows for a faster and smoother change over for drivers (controller mounts optional)
- 100% reversible control layout for left or right hand drive configurations
- 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 AMS for more information)

## Transportation and Stowage

- Tool-less removable foot rest and steering wheel mount permit unit to be stored in a corner or easily transported in the boot of a saloon car. Integrated castors assist rapid relocation by a single person
- 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
- 100Hz RealFeel™ closed-loop hardware controller ensures jitter-free movement to impart organic motion

## Optional Tactile Transducer System (TTi)

- 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 / headphone repeater facilitates unrestricted chaining of units with no signal loss

## Electronics

- Electric blue logo illuminated 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) cables to operate in unison with AMS' 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

- AMS' 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.atomicmotionsystems.com](http://www.atomicmotionsystems.com) for more information

