



Drive Square Simulation System™



Revolutionize your driver training and driver safety demonstrations with the lightweight and portable Drive Square Simulation System™. Provide realistic training in the safety and convenience of a parked car. Use state-of-the-art virtual reality, a wide variety of training scenarios and a professionally developed curriculum - or customize your own scenarios to evaluate drivers. Train students in a garage, a driveway, a parking lot, *anywhere* and *anytime* you want to prepare your students for new situations or reinforce important points. Simulate dangerous emergency maneuvers without the possibility of injury. The simulator can simulate impaired driving such as alcohol, distracted driving while texting and talking on a mobile phone.

- **Modular** Four major elements: Two turntables, one headset and one portable computer
- **Lightweight and Portable** Total weight of the system < 45 pounds
- **Realistic** Interchangeable vehicle and state-of-the-art virtual reality provide enhanced training and realistic driving practice.
- **Curriculum and Driving Scenarios** Drive Square Training System is integrated with Adiona™ driving simulation software package with many diverse driving scenarios available. Many of the scenarios have been developed by leading research organizations with training effects peer-reviewed and documented in numerous white papers.
- **Safety Demonstrations** Use for safety demonstrations of adverse effects of drinking and driving, texting and other distractions.
- **Easy Use, Anywhere** Because no AC power or environmental control is necessary, the Drive Square System can be used wherever a vehicle can be parked.



About the Company

Founded in 2001 as Drive Square LLC, it began development of the system to address the increasingly critical problems of teen age and other drivers. The company received several research grants from the US government to explore the uses of this exciting new technology. Beginning 2008 the Company operates as Drive Square, Inc.

The Drive Square Simulation System™ Technical Specifications
Models DS-575-EDU, DS-575-IDD-EDU



Operating Modes	Simulation, Playback, Scenario Design
Notebook Computer (Model DS-575)	Intel i5/i7 based notebook computer with 500Gflop GPU or better performance. Flip-back design with solid state hard drive.
Operating System	Microsoft® Windows® **
Virtual reality Headset (HMD):	
Microdisplay	Dual high-contrast micro displays
Weight	320g
Resolution	1280x720 per eye, 24-bit color
Audio	Full Stereo
Head Tracker	Magnetic-Accelerometer-Gyro
Turntable Ramps w/Steering Sensor:	
Size	16" Diameter, 2.5" High
Vehicle Tire Size Range	Tire diameters 21" - 30", tire widths 6.5" – 11" (165/65R14 - 245/65R17)
Weight Bearing Capacity	3,000lbs on steered axle
Interface/Power	USB Interface
Color & Material	Hard black acetal plastic with non-reflective yellow safety stripes
Pedal Sensors	A set of MEMS-based electro-mechanical sensors to fit any vehicle. All sensors are wireless Bluetooth® BLE 4.0
System Packaging	The system is packaged in a heavy-duty nylon roller bag: 2 round ramps with 2 drive up ramps, unpackaged, 26lbs, 13kg; computer, software, HMD, a set of sensors - 17"x14"x10", 15lbs (44x36x25cm, 7kg). Sizes and weights are approximate.
Power requirements	Battery, AC Inverter, or 110-220VAC, total power consumption < 150W
Environmental Restrictions	
Precipitation	No direct rain or snow
Operating temperature	0F – 120F



For More Information: www.drivesquare.com or call toll-free: 1-877-224-7708 x.2

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