

DISTRACTED DRIVING



Simulator Systems International's Distracted Driving Simulators (DDS Series) are convincing training tools that simulate the dangers of texting while driving, as well as driving under the influence of alcohol (DUI). Each DDS system incorporates actual smart phones – one for the instructor and one for the driver - in order to realistically replicate the distraction caused by attempting to read and send text messages while driving, particularly when holding a device in the driver's hand.

The instructor's smart phone includes a custom texting app that sends pre-written text messages to the driver automatically, or on-demand at a tap of a button! The driver reads the incoming text and can then send responses back using a second smart phone making the system very realistic.

The DDS-1000 driving simulator incorporates either an All in One Dell PC with a single screen display or if it is included with a simulator it is installed on the simulator computer. Both use the same robust steering/pedal assemblies and are easy to set up and operate. Both units can be fixed or mobile, but the entire DDS-1000, including the computer, steering wheel and pedals, gear selector and two hand-held texting devices, fits into one Pelican case for easy transport.

- System includes two Android smart phones with integrated text messaging system
- Automated text message application integrated with our driving simulator
- Young adult and Corporate themed text message database
- The ability to modify any automated text message
- The ability to manually type and send your own text
- Adjustable time intervals for sending automated text messages, including random & on-demand
- No cellular phone plan needed
- No text delays!
- No cell coverage – no problem! Text messaging system integrated into simulator PC
- Offers the ability to simulate the dangers of driving under the influence with selectable (BAC) levels
- Includes dozens of risky driving situations and crash avoidance scenarios
- Create your own driving scenarios in seconds including weather condition, time of day & traffic density
- Includes a limited warranty on the Dell "all in one" computer, and 1 year warranty on everything else

The “texting” experience:

Our Distracted Driving system uses SSI developed, easy-to-use software that automatically sends texts to the driver’s smart phone from the instructor’s smart phone. This software requires no customer supplied cell phone plan or other network communications, since the simulator has this capability built-in. This means lower costs – and texts that are not delayed due to any lag in the cellular network.

The Instructor’s smart phone runs a proprietary SSI Android application, which enables automated texts to be sent to the driver at defined or random time intervals, or “on-demand” whenever instructor so chooses. The instructor can also manually type and texts if he/she so desires. Automated texts can be either “teen/young adult” or “corporate” themed to add additional realism. The program includes hundreds of pre-written text messages, and the instructor can modify or rewrite any of the texts within in our text database.

The driver receives texts from instructor device, which provides a ring tone and/or vibrate notification once received. The driver can then type and send text responses back to the instructor while driving. The simulator software tracks the errors made during the drive, including lane violations, speeding errors, missed turn signals, space cushion violations and collisions, and provides the error summary to the driver and instructor for review.

The objective of the driving exercise becomes obvious – a driver cannot safely text and drive at the same time!

Both Android devices feature a large touch screen with ample battery life that is recharged via a standard USB connection.

The “driving” experience:

Getting a DDS-1000 up and running is fast and easy. The simulator uses an “all-in-one” computer / monitor combination that offers quick setup and simplified portability. The DDS-3000 offers an enhanced view using three monitors and a standard desktop computer, which is well suited for fixed installations.

Both use the same robust steering / pedal / shifter unit that offers force feedback steering, which adds realism to the driving experience. Both are modular and are easily shipped for service and support. The Dell computers include a three-year on-site warranty.

The driving simulator offers superb graphics and a realistic virtual world, which includes city, expressway, residential, 2 lane country roads and more. The driving exercises can be configured in various weather, daylight and traffic conditions, and can incorporate “risky” situations and crash avoidance for additional challenges.

In addition, the Distracted Driving Simulator DUI software is designed to simulate and illustrate the dangers of driving under the influence of alcohol. This scenario enables the interjection of various BAC levels, which adversely impact the driver’s reaction time and ability to control the vehicle. This allows the simulator to be used to illustrate the dangers of both texting while driving, as well as driving under the influence of alcohol.

The driving software incorporates an intuitive “point and click” mouse driven interface, so it’s very easy to use and navigate. The entire system is realistic and powerful, and matched by SSI’s long experience in providing quality and capable driving simulator products.



Driving In Traffic



Night Driving



Adverse Weather