



Laerdal
helping save lives



Making simulation easier

SimPad System

laerdal.com



"SimPad is so intuitive and easy to learn, it has minimised the amount of technology training I've had to do to get my staff up and running simulations without the need for an educator or technician to help run the simulation."

*Lisa Nowicki
Nurse Educator, Hartford Hospital*



Intuitive.... Effective ...Portable..... Easy!

Why simulation?

While simulation is seen as a valuable educational tool, there are many challenges to integrate simulation into curricula and continuous professional development- time, cost, resources, etc. There is a great need to **make simulation easier** in order to help speed up the adoption of simulation, and increase the efficiency and efficacy of learning.

How can SimPad make a difference?

SimPad allows instructors, new or experienced, to deliver **highly effective simulation based training**. With its intuitive touchscreen interface, easy to operate scenarios, integrated data log, and compatibility with a wide range of Laerdal simulators, task trainers, and standardized patients, SimPad will open up a world of learning opportunities.

Use SimPad with:



Standardized Patients



Task trainers and hybrid simulators like MamaNatalie



Clinical Checklists



Manikins



Simulation at your fingertips!

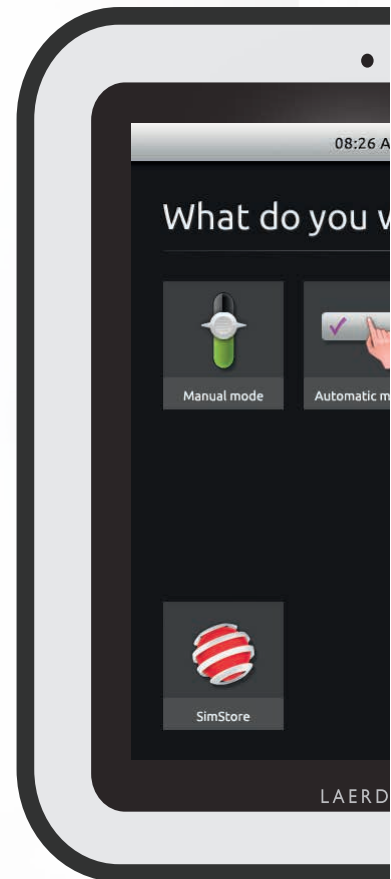


SimPad

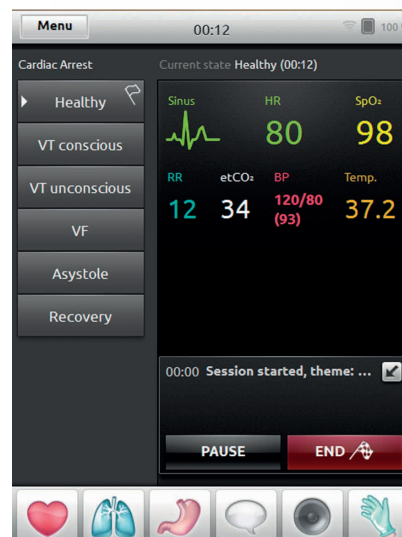
is a tool that when attached to a Laerdal manikin or used with a standardised patient and patient monitor, can replicate and adjust the physiological parameters of a patient in multiple scenarios by a simple touch on the SimPad screen.

Run **SimPad** in **Manual Mode** and you can deviate the scenario instantly and capture those unique learning moments as they occur.

In **Automatic Mode** you can run standardised scenarios for consistent delivery of learning objectives and assessment, as well as reduce your workload in running the scenario.

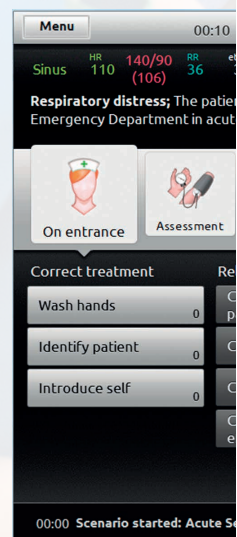


Manual Mode

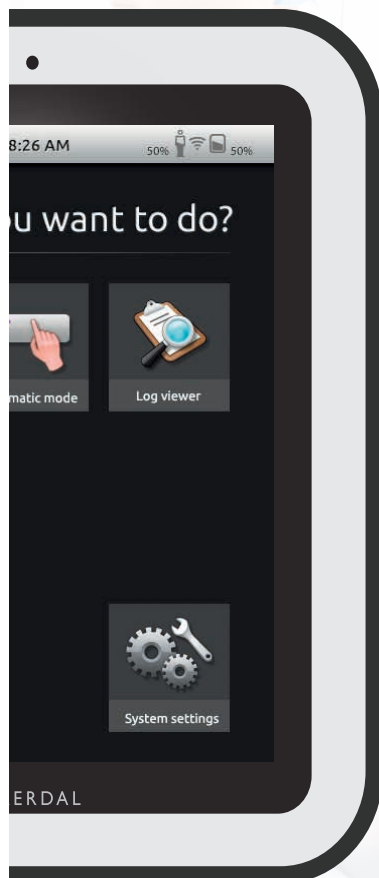


When running "on-the-fly" scenarios in **Manual Mode**, the instructor controls the clinical state of the simulator as well as logs the participant's actions. The instructor can plan scenarios using predefined Themes that include various patient states.

Automatic Mode



When running a pre-planned scenario in **Automatic Mode**, the simulator drives the scenario as required by the instructor. The simulator logs the participant's actions. The simulator also logs the events detected by the simulator, which will drive the scenario. All events are registered in the simulator's event log for event debriefing and analysis.



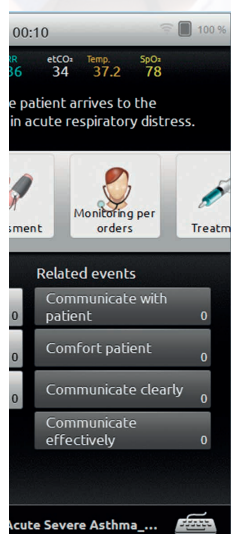
Mobile simulation

Learning becomes more profound if simulation takes place in real environments. Whether its in the back of an Ambulance, through the doors into A&E or in the lift to the patient wards, SimPad's portability means that learning can take place where ever it needs to.

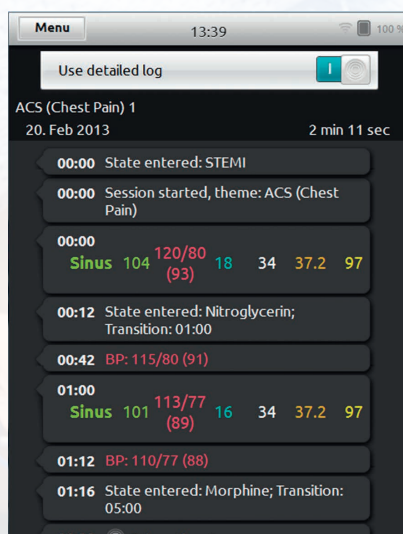
The SimPad System provides an efficient way to run simulations:

- ☐ Minimal simulation setup time
- ☐ Scenarios and Themes reduce instructor workload
- ☐ Easy manipulation of patient vital signs and other physiological parameters
- ☐ Intuitive touch screen for easy 'pick up and play' experience
- ☐ Mobile - teach anywhere
- ☐ Optimal data capture for quality debriefing

Automatic Mode



Log Viewer



re-programmed **Automatic Mode**, the only task for the instructor is to log the events. The logged events, as detected by the patient, are then used to move the scenario forward. The log provides the data for post-event analysis.

Both Manual Mode and Automatic Mode support debriefing. The **Log Viewer** provides a detailed history of the participant's performance and can help facilitate post-event debriefing and evaluation.

More affordable... More accessible

SimStore is an online library of validated scenarios from leading healthcare institutions that are easily accessible to download for use on the appropriate Laerdal Simulator.

SimStore is just one part of the wider Laerdal innovation, **SimCenter**, which also includes, Integrated with SimCenter, SimPad will improve your ability to deliver valid, high quality simulation training:

- **SimManager** - optimising data and resources
- **SimView** - capture meaningful data to get the most learning out of every event. Easy access to validated simulation content from SimStore



SimStore
SimDeveloper
SimManager
SimView

Scenario Design is now a simple process with SimPad's supporting software solutions: Theme Editor and SimDesigner.

Theme Editor for use in Manual Mode will enable you to create patient conditions complete with states and trends that automatically improve or deteriorate in response to treatment.

SimDesigner is a comprehensive scenario design solution for simple application to your SimPad when used in Automatic Mode. By creating patient data, scenario outlines, learner briefs, learning objectives and equipment checklists you can build your own library of learning material ready to use when you need it.



- Manikins



Compatible

Whether you're training on a Laerdal simulator, task trainer, or standardized patient, SimPad has the flexibility to support your needs and help you provide the best possible simulation experience.



- Clinical check list
- Standardized patient

Laerdal Services Supporting you all the way

Laerdal Services offers comprehensive Educational Services to support your curriculum, and Technical Services to meet your simulator servicing needs. Contact your Laerdal representative for details.



E-Learning Course

Imagine maximizing every teaching experience. The SimPad eLearning course provides you with the tools to deliver highly effective simulation-based education. It is designed to provide you with support through all functions of SimPad -- from the basics, to more advanced simulation scenarios. With the help of Icon keys you easily navigate among a full range of eLearning topics including how to:

- Select operational modes
- Connect to a patient monitor
- Register events
- Use Debriefing log
- Control scenarios using states
- Use Theme editor

200-10051 SimPad e-Learning package
includes 8 licences



Integrating SimPad - A one day on-site course.

Maximize every teaching experience. A Laerdal instructor will teach up to 8 participants at your facility. The course objectives are to train students to:

- Set up and configure SimPad
- Operate SimPad in Manual and Automatic Modes
- Operate SimPad with patient simulators, task trainers, and standardized patients.
- Register interventions, review logs, and debrief

200-90151 A customised SimPad Integration Course designed to your needs.

210-90551 SimDesigner Programming Course

SimPad Protection plan

Purchase of the SimPad Protection Plan covers the SimPad remote control unit (this does not include the link box, cabling, external battery etc.) for a period of two years. Within the two year period, you may engage the Protection Plan up to 3 instances per unit. If the Protection Plan has been used 3 times within the 2 year period, the Protection Plan coverage will end after the third instance of engaging the Plan.

Coverage:

The Plan covers product failure of the SimPad remote control unit that results from:

- Drops (with visual damage)
- Spills onto the remote
- Screen cracks
- Immersion

210-90450 SimPad Protection Plan

Important: The Program does not cover theft or loss of the SimPad remote

Specifications

BLOOD PRESSURE

- Auscultated and palpated blood pressure simulation
- Korotkoff sounds synchronized with programmable ECG
- Korotkoff sounds volume control in 10 steps, 0-9
- Systolic and diastolic pressure may be set individually in steps of 2 mmHg
- Systolic 0-300 mmHg, Diastolic 0-200 mmHg
- Auscultative gap, with on/off feature
- Pressure accuracy +/- 4 mmHg
- Calibrate function to adjust pressure sensor and cuff gauge

PULSES

- Controls carotid, brachial, radial, and umbilical pulses (available pulses vary depending on manikin)
- Pulses only active when palpated
- Pulses synchronized with ECG
- Pulse strengths dependent or independently set.
- Brachial pulse off when BP cuff pressure is above 20 mmHg
- Radial pulse off when BP cuff pressure is above Systolic BP level

ECG

- 3 – 4 lead ECG
- Pacing and defibrillation capabilities
- Extensive ECG library based on the SimMan 3G ECG library
- With optional patient monitor: 12 lead ECG

SOUNDS

- Heart sounds synchronized with ECG
- Auscultated lung sounds synchronized with breathing, 0 - 60 BPM
- Individual lung sound selection
- Normal or abnormal bowel sounds
- Vocal sounds: Computer-generated sounds, recorded vocal sounds and real-time voice input via headset
- User generated vocal sounds

LOGGING / SCENARIO FUNCTION

- Download log files and student data to a PC.
- The SimPad log files can be viewed in SimView for post-simulation reflection and de-briefing.
- Upload scenarios and themes from a PC via a USB or download scenarios directly from SimStore.

GENERAL:

- SpO2
- etCO2
- Temperature
- The SimPad System includes the SimPad Remote with 5.7" color display and touchscreen operation, and compact Link Box with rechargeable battery.
- Intuitive software with Manual or Automatic mode.
- Li-Ion Battery, 3 – 4 hours operating time.

PATIENT MONITOR - OPTIONAL:

- Touchscreen operation
- Configurable monitor
- Simulated parameters include heartrate, SpO2, etCO2, temperature, ECG and many more.

200-300xx SimPad System

SimPad System Includes:

SimPad, Link Box, 2 AC Power Supplies, Lithium-Ion Battery, Wrist Strap for SimPad, Manikin Strap for Link Box, Manikin Adapter Cable (60 pin to 37 pin), SimPad Sleeve, USB Cable for attaching the Remote Control to a PC, and Directions for Use.



Optional Patient Monitor:

- 200-094XX Rugged Patient Monitor
- 200-092XX 12" Patient Monitor
- 200-09350 17" Patient Monitor
- 200-11950 SimPad Patient Monitor Software License (1)