



**Laerdal**<sup>®</sup>  
helping save lives



Making Simulation Easier

# SimPad<sup>®</sup> PLUS

Laerdal Simulation Solutions



## When simulation tools are easy to use, training becomes more effective

SimPad PLUS allows instructors, new or experienced, to deliver highly effective simulation based training. Whether it is in the back of an ambulance, through the doors into an emergency department, or at the bedside in a simulation center, SimPad PLUS provides the flexibility to control simulations when and where they are needed. This freedom allows instructors to focus on the simulation, rather than the technology, giving them the opportunity to better prepare learners to provide the best patient care possible.

### Use SimPad PLUS to:



Practice advanced lifesaving skills in any setting



Improve the realism of training with standardized patients



Enhance teamwork and communication skills



Challenge critical thinking skills



Deliver high quality CPR training



Train using clinically accurate skills trainers

## Our Shared Goal: Improving Patient Outcomes

We believe that simulation training for Healthcare Professionals is pivotal to our common goal of improving patient outcomes. Simulation provides the opportunity to train staff without risk to patients. The ability to practice frequently and manage complex medical scenarios helps prevent medical errors, and the subsequent detailed feedback promotes discussion and reinforces the learning process.



# An easier way to achieve your learning objectives

SimPad PLUS has the flexibility to support your needs and help you provide the best possible simulation experience.

## SimPad PLUS provides an easy and efficient way to run simulations, offering:

- + Large, intuitive touchscreen design
- + Mobile, in situ training
- + Compatibility with many Laerdal products, including existing VitalSim® and SimPad® manikins
- + Two modes of operation tailored to meet your needs
- + Integrated debriefing tools
- + Two-way communication
- + Optional, simulated patient monitor
- + Quality educational content
- + Educational and Technical Support

### 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 +/- 2 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 becomes absent when BP cuff pressure is above 20 mmHg
- + Radial pulse becomes absent when BP cuff pressure is above Systolic BP level

### Sounds

- + Heart sounds synchronized with ECG
- + Auscultated lung sounds synchronized with breathing, 0-60 BPM (Adult/Pediatric) and 0-100 BPM (Neonatal)
- + Individual lung sound selection
- + Normal or abnormal bowel sounds
- + Vocal sounds: Computer-generated sounds, recorded vocal sounds and real-time voice input via headset/microphone

### CPR Feedback

- + CPR feedback, called *CPR Live View*, is available for Resusci Anne® Simulator, Resusci Anne® Advanced SkillTrainer, and SimMan® ALS
- + Real-time feedback is available during performance of CPR compressions and ventilations in both Manual and Automatic mode
- + Additional CPR log file within LogViewer provides detailed information about CPR performance

### ECG

- + 3 – 4 lead ECG
- + With optional patient monitor: 12 lead ECG display
- + Extensive ECG library based on the SimMan® 3G ECG library
- + Pacing and defibrillation capabilities (varies depending on manikin)

### Logging/Scenario Function

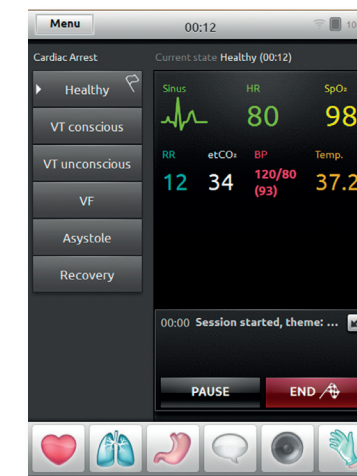
- + Time stamped activities, vital signs, and notes are captured in the data log
- + The SimPad PLUS log files can be viewed on the device or on a PC for post-simulation reflection and debriefing
- + Upload Scenarios and Themes from a PC via a USB or download scenarios directly from SimStore™

### General

- + The SimPad PLUS Remote has a 5.7" color display with touchscreen operation
- + Intuitive software with Manual or Automatic mode
- + Compact SimPad PLUS Link Box and rechargeable battery
- + Li-Ion Battery, 3 – 4 hours operating time
- + Automatic software updates when connected to the internet

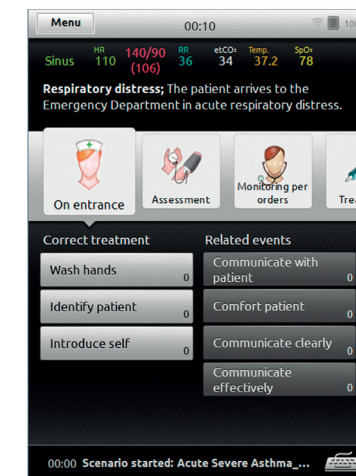
# Simulation at your fingertips

SimPad PLUS is a tool that when used with a Laerdal manikin, simulator or standardized patient, can replicate and adjust the physiological parameters of a patient in multiple scenarios with a simple touch.



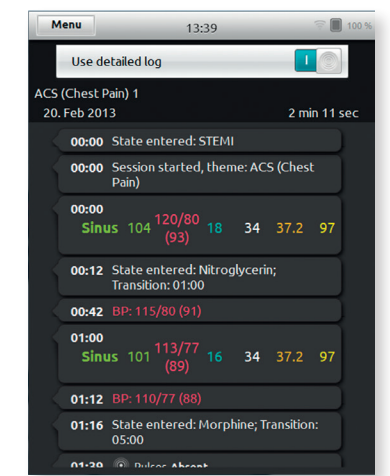
## Manual Mode

Run "on-the-fly" for total control over all parameters or utilize Themes for a more consistent simulation experience. Themes provide a quick and easy way to change the patient's condition with a single tap.



## Automatic Mode

Utilize pre-programmed scenarios for a simple and effective way to run a simulation. The logged events, as well as events detected by the patient simulator, can automatically drive the scenario forward.



## Log Viewer

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



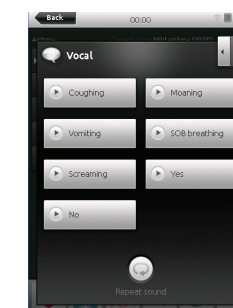
## Touchscreen

Easily adjust parameters with the tap of your finger.



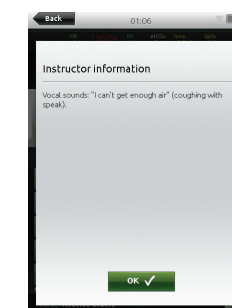
## Circulation Control

Extensive heart rhythm library with 12 lead ECG. (optional patient monitor)



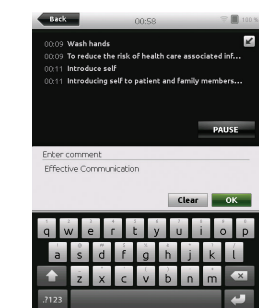
## Vocal Sounds

Incorporate pre-installed vocal sounds or import your own sounds to enhance the interaction between the patient and learner.



## Pop-Up Messages

Automatic Mode pop-up messages provide instructor information such as vocal cues and reminders.



## Data Log

Add time-stamped comments to the data log to capture notes throughout the simulation.

## Simulated Patient Monitor Options

Choose the best monitor based on where the simulation takes place - at the bedside, from the control room, or on the move.

- + Touchscreen operation
- + Configurable monitor with multi-level alarms
- + Simulated parameters: Heart Rate, SpO2, Blood Pressure, Respiratory Rate, Temperature, ECG, and etCO2



## ORDERING INFORMATION

SimPad PLUS System	204-30001
LLEAP for SimPad PLUS Software	204-50150

## SimPad PLUS System includes:

- + SimPad PLUS Handheld Remote Control
- + SimPad PLUS Link Box
- + Lithium Ion Battery
- + AC Adapter and Power Cord
- + USB Cable
- + Ethernet Cable
- + Wrist Strap
- + SimPad PLUS Protective Sleeve
- + SimPad PLUS Nametags
- + Manikin Strap
- + Headset and Microphone
- + Quick Start Guide





## Quality Educational Content

SimPad® PLUS scenario content can be purchased from SimStore or developed using supporting software:

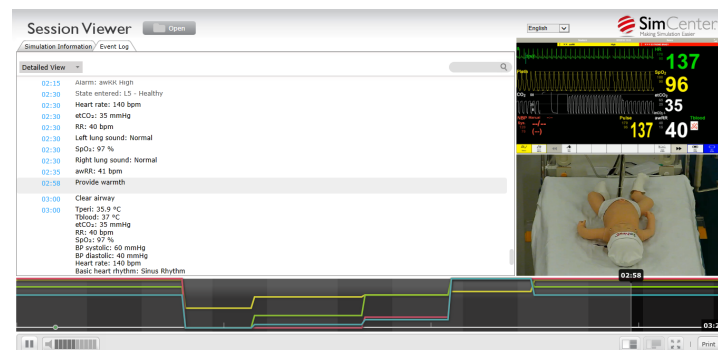
- + Validated scenarios available on SimStore™ include Support Materials developed by industry leaders to help:
  - Reduce instructor preparation time
  - Guide the scenario based on standardized learning objectives
  - Enhance the simulation as a meaningful learning experience
- + The SimDesigner Software is a tool for creating and converting scenarios for use in Automatic Mode.
- + Use Theme Editor Software to create Themes for Manual Mode operation.

Scenarios and Themes designed for SimPad PLUS, SimPad®, or LLEAP can be shared with any Laerdal manikin or simulator with minimal or no additional development, reducing instructor programming time and cost.

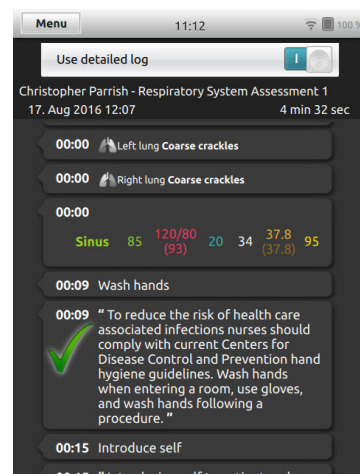
## Facilitate Post-Event Debriefing and Evaluation

Debriefing is a critical component of simulation. That's why SimPad PLUS supports several debriefing options. Choose what works best for you:

- + The built-in Log Viewer application provides a detailed history of the participant's performance and can help facilitate immediate post-event debriefing and evaluation.
- + Session Viewer is a free stand-alone software application that can be used for recording, viewing, and editing the SimPad® PLUS log files from a PC.
- + Using SimPad PLUS in an in-situ setting? SimView™ Mobile is the perfect option for video debriefing on-the-go.
- + For a more comprehensive solution, use SimView™ Server to capture, share and debrief the simulation experience.



SimPad PLUS event log with synchronized video displayed using Session Viewer on a PC



Log Viewer application displays the simulation log directly on the SimPad PLUS remote

## Laerdal Services

Supporting you all the way



### E-Learning Course

The SimPad PLUS eLearning course provides the tools to deliver highly effective simulation-based education. It is designed to provide support through all functions of SimPad PLUS – from the basics, to more advanced simulation scenarios. Learn at your own pace; anytime, anywhere. Topics include:

- + Manual and Automatic Mode operation
- + Register events
- + Use debriefing log
- + Control scenarios using states

200-10051 SimPad e-Learning package includes 8 licenses



### Integrating SimPad PLUS Course

During this one-day, on-site course, a Laerdal instructor will teach up to eight participants at your facility. The course objectives are to train students to:

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

200-90151 Integrating SimPad PLUS Course



### SimDesigner Programming Course

This one-day, on-site course will provide instruction on how to plan, program and execute scenarios using SimDesigner software. A Laerdal instructor will teach up to eight participants at your facility.

210-90551 SimDesigner Programming Course

## SimPad PLUS Protection Plan

This plan is designed to protect your SimPad PLUS investment by offering a cost-efficient replacement plan for up to three instances within two years should you experience issues with the remote control. The plan covers:

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

The plan does not cover theft or loss of the remote.

204-30001PP SimPad PLUS Protection Plan

Important: The program covers the SimPad PLUS remote control only. It does not cover the Link Box, battery, etc.





Nursing Kelly



Nursing Anne



Nursing Kid

# Put More Educational Power Into Your Simulation Program!



Nursing Baby



SimMan<sup>®</sup> ALS

Whether starting a new simulation program, adding a new manikin to your fleet, or upgrading your existing VitalSim<sup>®</sup> products, SimPad<sup>®</sup> PLUS can help take your simulation program to the next level!



MegaCode Kelly<sup>™</sup>



Premature Anne<sup>™</sup>

Paired with a Laerdal manikin, simulator, task trainer, or standardized patient, SimPad PLUS has the flexibility to support your needs and help provide the best possible simulation experience for you and your learners.



MegaCode Kid



Resusci Anne<sup>®</sup> Simulator



**Laerdal<sup>®</sup>**  
helping save lives



SimJunior<sup>®</sup>

Resusci Anne<sup>®</sup> Advanced SkillTrainer



Task Trainers and Standardized Patients



SimNewB<sup>®</sup>

Visit [laerdal.com/US/SimPadPLUS](http://laerdal.com/US/SimPadPLUS) for a complete list of parts, accessories, SimStore scenarios and services.