



**Laerdal**<sup>®</sup>

helping save lives



High-quality realistic ALS training

  
Available in Light, Medium,  
and Dark Skin Tones

## SimMan<sup>®</sup> ALS

SimMan ALS provides a mobile, durable solution that will meet the training needs of pre-hospital and in-hospital emergency care providers - from basic assessment to advanced life-support skills. From pre-hospital, on scene assessment and management to definitive care in a hospital, SimMan ALS can fulfill the unique training requirements of emergency healthcare providers.



[laerdal.com](http://laerdal.com)

# SimMan® ALS

## Multiple Airway Skills/Features

- Controllable open/closed airway; automatically or manually controlled
- Head tilt/Chin lift
- Jaw thrust w/articulated jaw
- Suctioning (Oral & Nasopharyngeal)
- Bag-mask ventilation
- Orotracheal intubation
- Nasotracheal intubation
- Combitube, LMA, I-gel and other airway placement
- Endotracheal tube intubation
- Retrograde intubation
- Fiberoptic intubation
- Transtracheal jet ventilation
- Needle cricothyrotomy
- Surgical cricothyrotomy
- Airway resistance - 3 settings (Open/ Medium/ Closed)
- Right main stem intubation
- Stomach distention
- Airway complications include tongue fallback and tongue edema

## Breathing Features

- Simulated spontaneous breathing
- Bilateral and unilateral chest rise and fall
- Normal and abnormal breath sounds
- Lung auscultation sites: posterior and anterior sites
- Oxygen saturation and waveform

## Breathing Complications

- Cyanosis
- Pneumothorax w/bilateral needle decompression
- Unilateral & bilateral chest movement
- Chest tube insertion – bilateral

## Certifications

- UL, CE, FCC, CSA, HMR

## Cardiac Features

- Extensive ECG library
- Heart sounds
- ECG rhythm monitoring (4 wire)
- 12 lead ECG display
- Defibrillation and cardioversion using live shock with training pads – ShockLink™ (purchased separately)
- Defibrillation and cardioversion using live defibrillation pads or paddles (SimMan ALS LiveShock)
- Pacing

## Circulation Features

- BP measured manually by auscultation of Korotkoff sounds
- Bilateral carotid, femoral, radial pulses synchronized with ECG
- Pulse strength variable with BP
- Pulse palpation is detected & logged

## Vascular Access

- Pre-ported IV access (right arm)
- Intraosseous access (tibia)

## Eyes

- Manually set to: Open, closed and partially open
- Set of interchangeable pupils

## QCPR

- QCPR feedback and scoring compliant with 2010-2015 Guidelines
- CPR compressions generate palpable pulses, blood pressure wave form, and ECG artifacts
- Realistic compression depth and resistance
- Automatic detection of depth, release and frequency of compressions as well as hand placement

## Other Features

- Fully articulating pelvis
- Leg rotation in all natural directions
- Foley catheterization (without urine output)
- Patient Voice
  - Pre-recorded and custom sounds
- Instructor can simulate patient's voice wirelessly
- Prepared for diagnostic ultrasound training using the Laerdal-SonoSim Ultrasound solution (separate purchase required, for LLEAP operation only).

## System Features

- Wireless PC or SimPad PLUS controls simulator remotely
- Control simulations from anywhere on your network
- Manual Mode
  - Precise control “on the fly”
- Automatic Mode
  - Run pre-packaged scenarios
  - Unique, simple controls increase/decrease difficulty & pace
- Integrated video debriefing
- Data logging
- Instructor comments

## Patient Monitor (Optional)

- Simulated patient monitor provides concise clinical feedback for physiological parameters
- Simulated parameters for SimPad PLUS operation: ECG, etCO<sub>2</sub>, HR, SpO<sub>2</sub>, BP, RR, and Temperature
- LLEAP operation provides additional simulated parameters including CO<sub>2</sub>, CVP, ICP, anesthetic agent, TOF, cardiac output, and more. In addition, the LLEAP monitoring options can display x-ray, custom images, and custom video

## Ordering Information

235- 02350 / 02150 / 02250 SimMan ALS (Light / Medium / Dark)

*Includes: SimMan® ALS Manikin, SimPad® PLUS LinkBox, Lithium-ion battery, specially designed clothing, upper teeth (hard), male/female/blank genitalia, BP cuff, set of consumables, 2 soft sided transportation cases and setup guides.*

235- 03350 / 03150 / 03250 SimMan ALS LiveShock (Light / Medium / Dark)

*Includes: SimMan ALS Manikin, SimPad® PLUS LinkBox, Lithium-ion battery, specially designed clothing, upper teeth (hard), male/female/blank genitalia, BP cuff, set of consumables, 2 soft sided transportation cases, and setup guides. In addition, SimMan ALS LiveShock comes with built-in ShockLink unit and special chest skin for defibrillation with real pads or paddles.*

## Operation and Patient Monitoring Options

204-30101	SimPad Plus
400-10201	Laptop Instructor PC-Patient Monitor
400-09201	Tablet Instructor PC-Patient Monitor
400-09501	Rugged Instructor PC-Patient Monitor
400-29301	All in One Panel PC Instructor PC-Patient Monitor

## Licenses

204-50150	LLEAP for SimPad PLUS Software License
400-01050	LLEAP PC Software License

## Accessories

212-13850/ M / D	Right humeral IO/IV arm (Light / Medium / Dark)
400-96050	USB HD Web Cam
212-29650	Headset and Mic with USB (LLEAP Operation)
200-30950	SimPad Headset
185-10050	ShockLink System
216-20001	SimView Mobile System
390-00150	Laerdal-SonoSim Ultrasound Solution Upgrade for SimMan Family (Probe, Software, Tags)

For more information, visit [www.laerdal.com/SimManALS](http://www.laerdal.com/SimManALS)