SimPad
with SkillReporter

User Guide
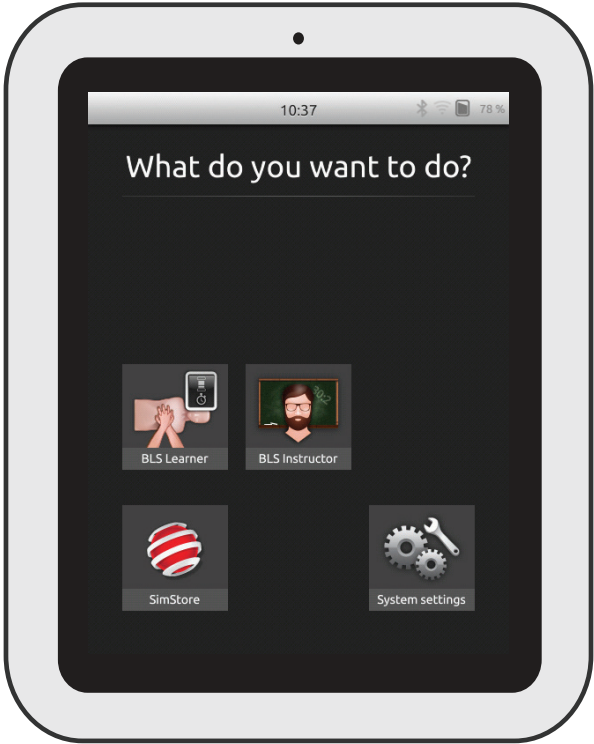
Laerdal
helping save lives

Contents

Intended Use

This version of SimPad is installed with SkillReporter software for Basic Life Support (BLS) training. For feedback on CPR performance, use QCPR enabled manikins, such as Resusci Anne or Resusci Baby with QCPR.

For more information visit www.laerdal.com/SimPad-SkillReporter

Important Information

Read this User Guide and become familiar with the operation of the product prior to use.

This User Guide describes operating instructions for the following models:
- SimPad
- SimPad PLUS

SimPad when used throughout this User Guide, applies also to SimPad PLUS model, unless otherwise specified.
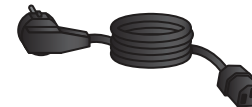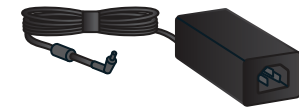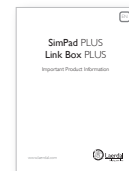
Items Included

SimPad/SimPad PLUS

Sleeve

USB cable

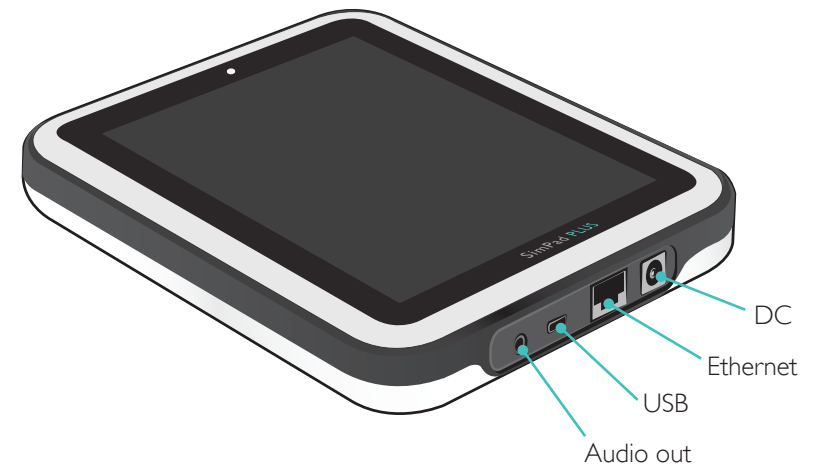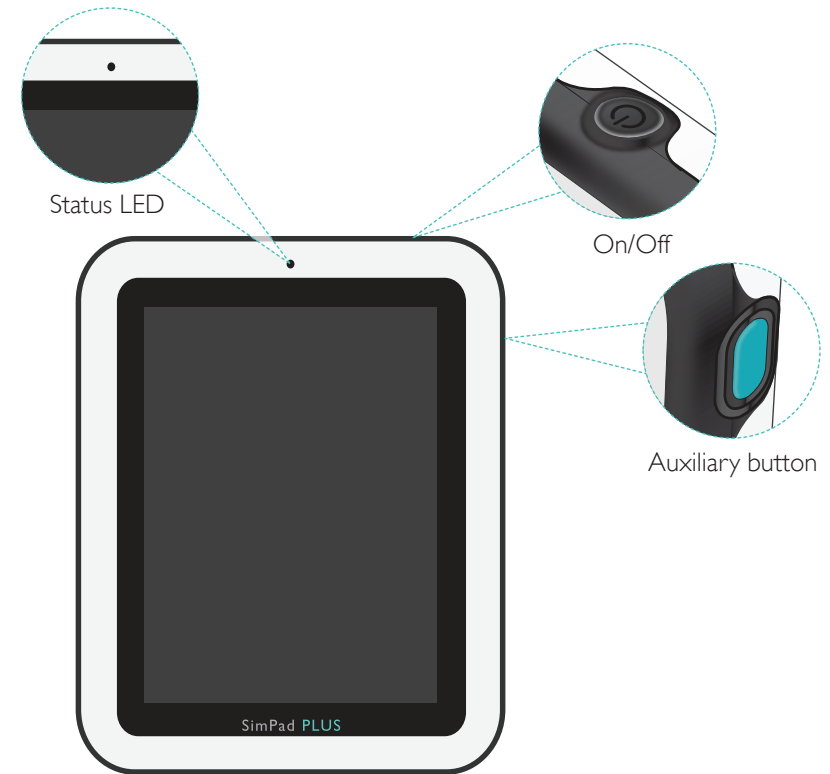Wrist Strap

Power Cord
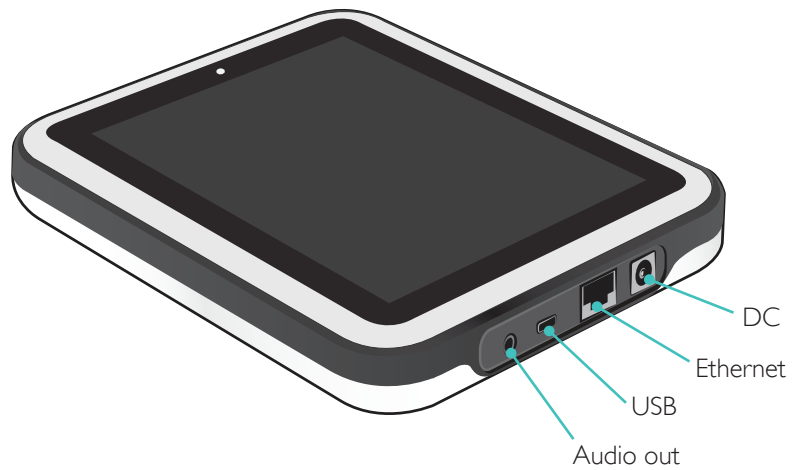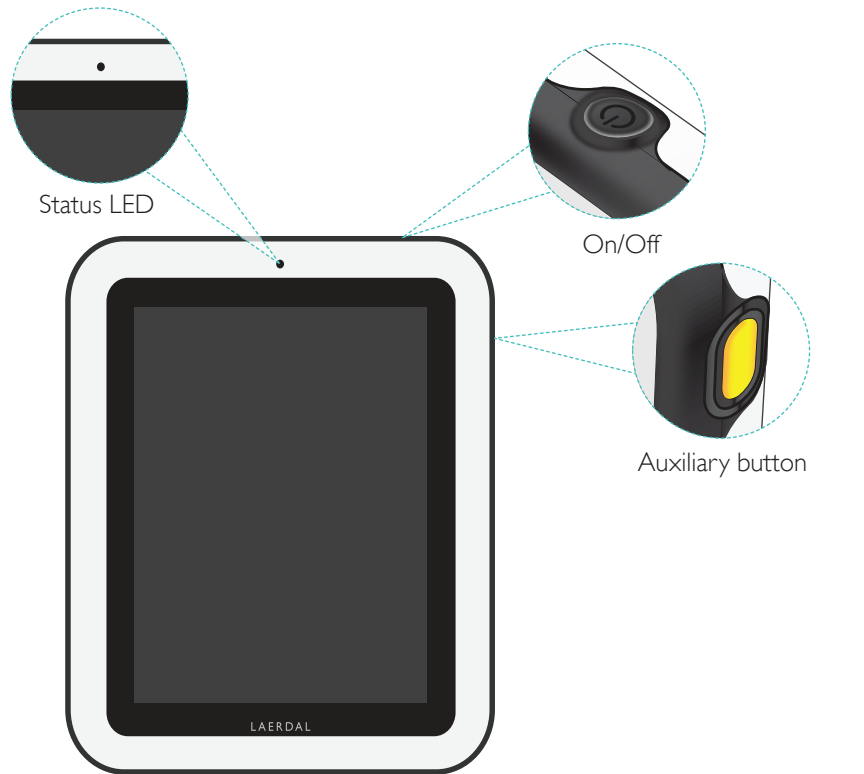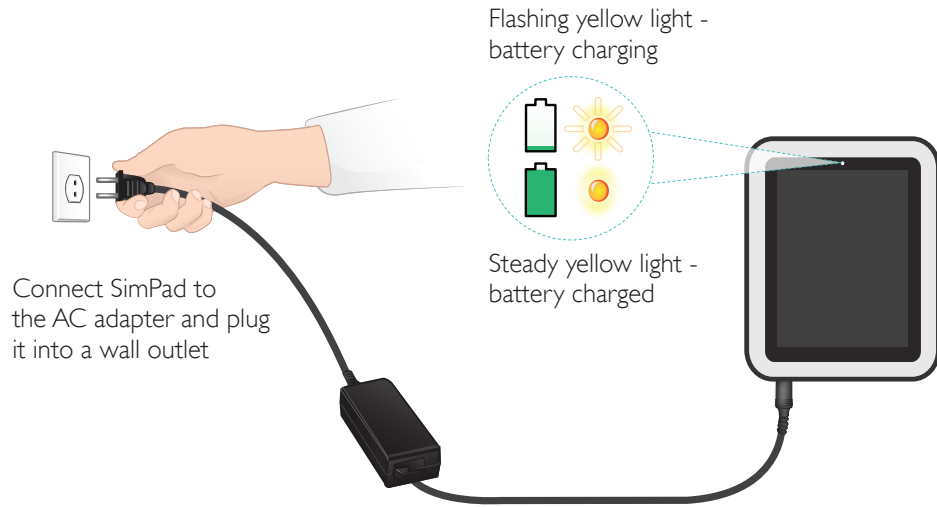

AC Adapter Power Supply

User Guide

Important Product Information (IPI)

Items included may vary in appearance and are subject to change.

Status LED

On/Off

Auxiliary button

LAERDAL

DC

Ethernet

USB

Audio out

Status LED

On/Off

Auxiliary button

SimPad PLUS

DC

Ethernet

USB

Audio out

Turn On/Off

Flashing yellow light - battery charging

Steady yellow light - battery charged

Connect SimPad to the AC adapter and plug it into a wall outlet

LED starts flashing green

When charged, turn on by pressing On/Off button

What do you want to do?

10:37

BLS Learner   BLS Instructor

SimStore   System settings

A steady green light indicates the device is ready to use
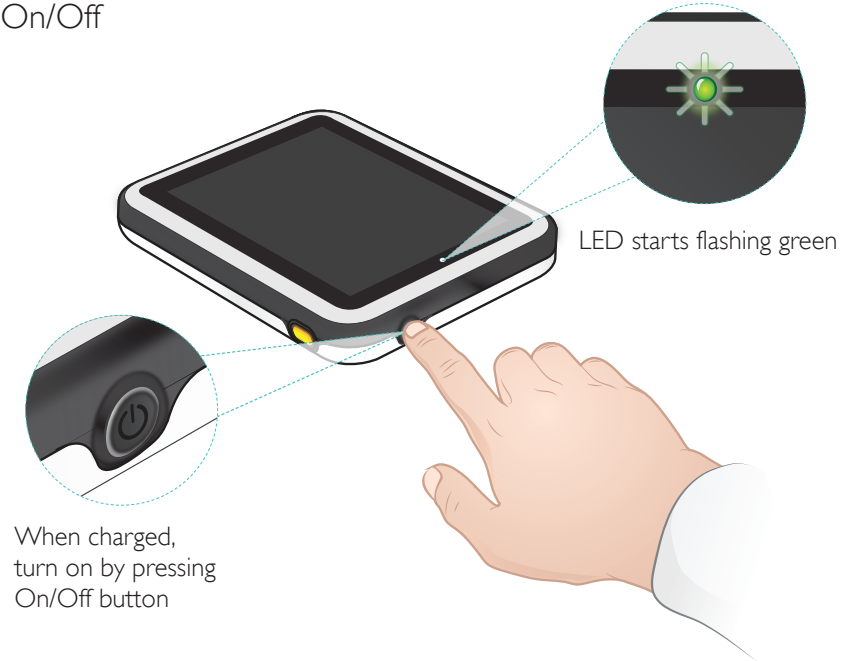
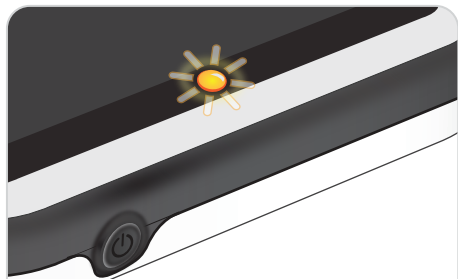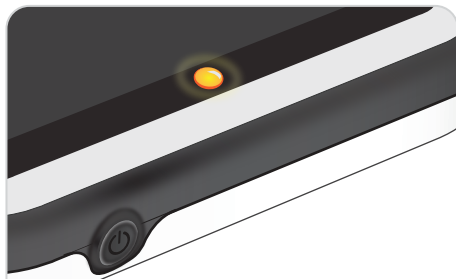### Note

Ensure that the SimPad SkillReporter software and Resusci Anne QCPR manikin software is the most up to date version. Latest versions of all software and product downloads are available from the Download section of the product page www.laerdal.com/SimPad-SkillReporter.
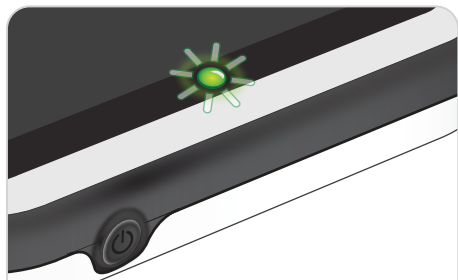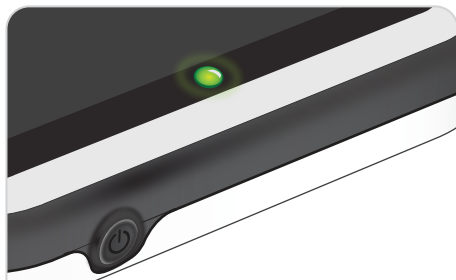
Status LED

Off and charging battery - flashing yellow light.

Off but battery charged - steady yellow light.

Starting and shutting down - flashing green light.

On - steady green light.
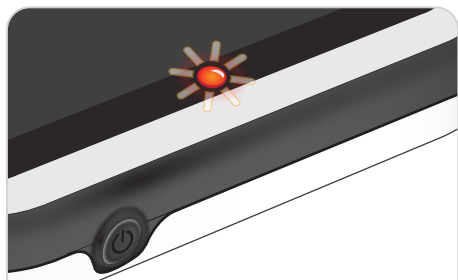
Low battery - flashing red light.
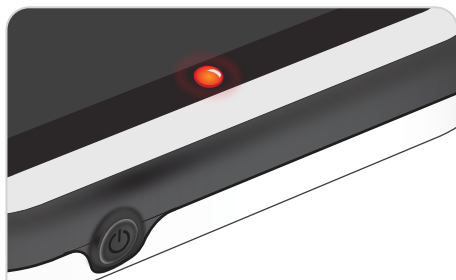
Error, needs service - steady red light. Contact your local Laerdal representative.

Connect To One Manikin Using USB Cable

The USB cable provides the most reliable connection when connecting SimPad to one manikin. When using the USB cable, the manikin is powered by SimPad. Use the power adaptor to avoid quick battery discharge when the manikin is powered by SimPad.
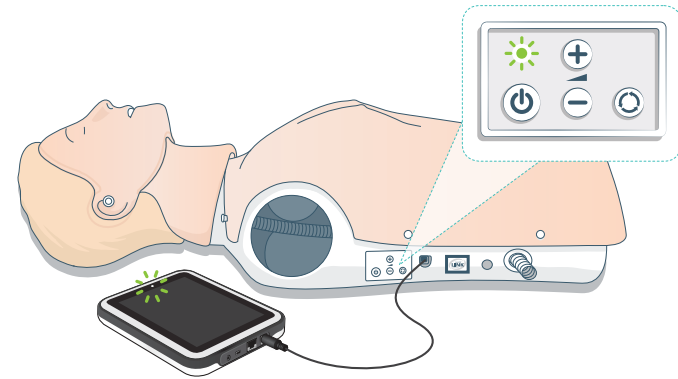
Connect To One Manikin Using WiFi

For wireless use, make sure the manikin is in WiFi mode, indicated by the green WiFi symbol on the manikin's control panel. Use the toggle button to select between cable, WiFi or Bluetooth mode.

Toggle button
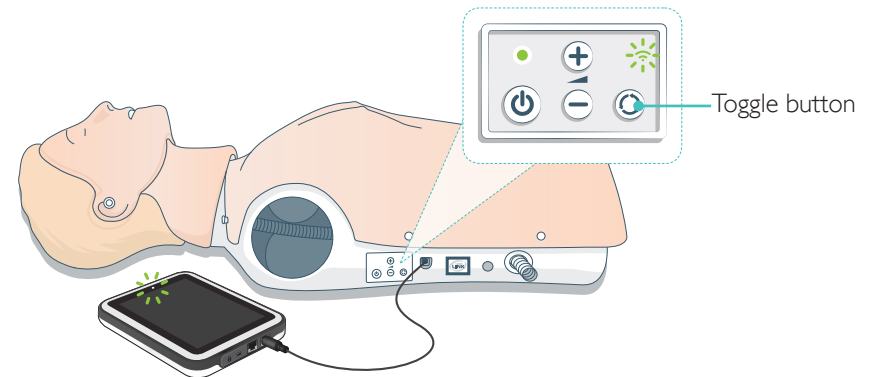
Connecting Multiple Manikins

In BLS Instructor Mode multiple manikins can be connected. When operating multiple manikins (2-6) it is recommended to use a router (Multi Manikin Router).

📄 **Note**
In BLS Learner mode only one manikin can be selected. This happens automatically if the manikin is connected through the USB cable, or if only one manikin is available.

Multi Manikin Router Setup

It is recommended to use the Laerdal Router (purchased separately) to establish network. Start up the router completely (approx. 2 minutes) before starting up SimPad and manikins.

To power the router, use the included USB power supply (5V)*

Router switch (set to Router or AP, not Client)
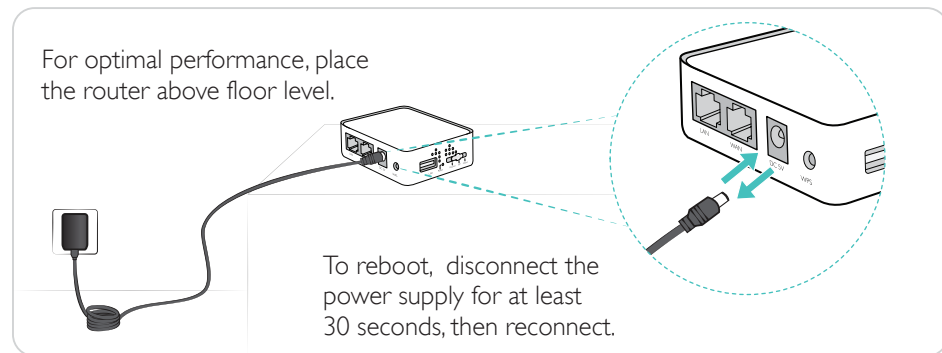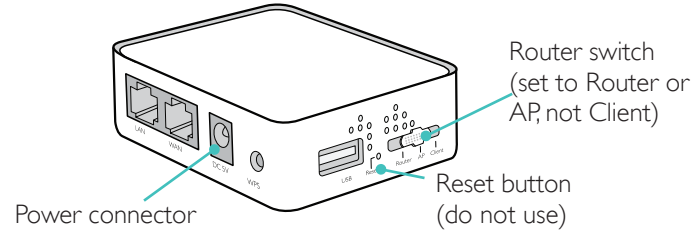
Power connector

Reset button (do not use)

For optimal performance, place the router above floor level.

To reboot, disconnect the power supply for at least 30 seconds, then reconnect.

📄 **Note**
Do not reset or change the router (i.e. password, configuration etc).

Edit Manikin Name

When using manikin for the first time, it will have a default name (e.g Resusci Anne QCPR). To keep track of multiple manikins, label each with a unique name. This name will be used to identify the manikin in the BLS Instructor Mode.
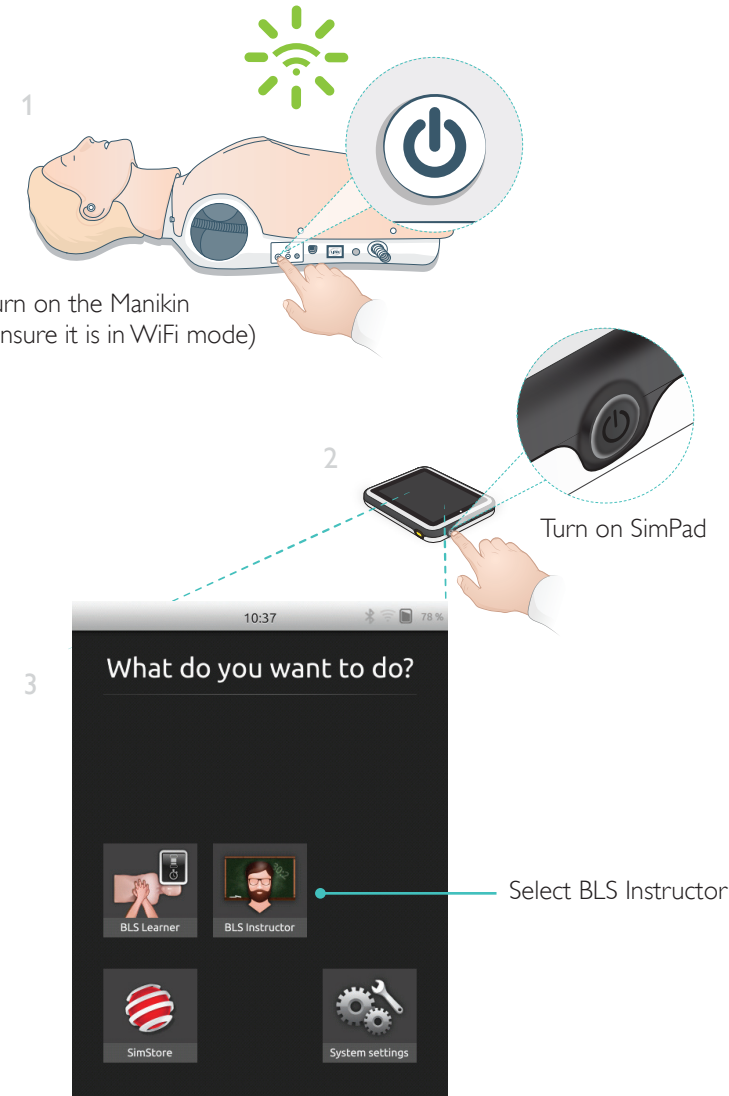
1
Turn on the Manikin (ensure it is in WiFi mode)

2
Turn on SimPad

3

10:37

What do you want to do?

BLS Learner

BLS Instructor

SimStore

System settings

Select BLS Instructor Mode

4

Press Start Session

Start Session

Quit | Last Session | Results
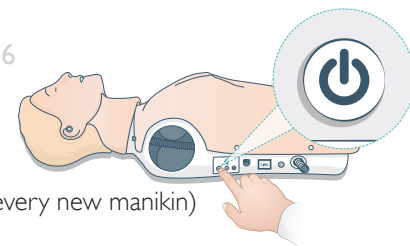
5

Select the manikin that appears on the screen (this should be the one that is turned on)

Select Manikins
Select 1 to 6 manikins

Resusci Anne

Missing a manikin?

Cancel | Continue
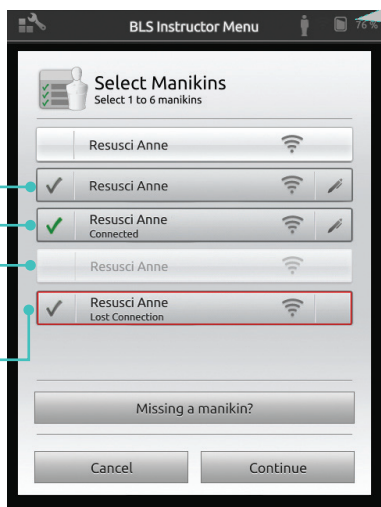
Edit name to match the physical name given earlier

6

Turn off the Manikin
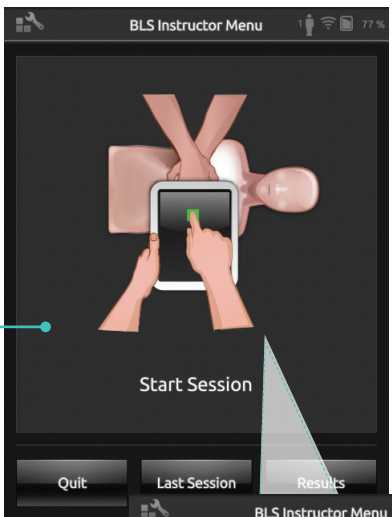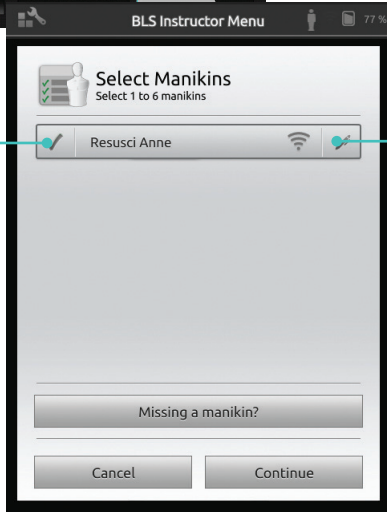(repeat procedure for every new manikin)

Select Manikins

Number of manikins connected

1 100 %

Select Manikins
Select 1 to 6 manikins

Resusci Anne

Selected — Resusci Anne

Connected — Resusci Anne
Connected

Occupied (in use by another SimPad) — Resusci Anne

Lost Connection — Resusci Anne
Lost Connection

Missing a manikin?

Cancel | Continue

Tap manikin to access the manikin selection and available networks

Select Network

If more than one manikin is selected, a prompt will appear to choose a network. The network enables communication between several manikins and SimPad.

Select Network

When using multiple manikins, you need a network to enable communication between the manikins and the SimPad

Tap to select Network — LaerdalNetMobile
(Recommended)

WiFi Net 1

WiFi Net 2

Cancel | Continue

Manikin Information

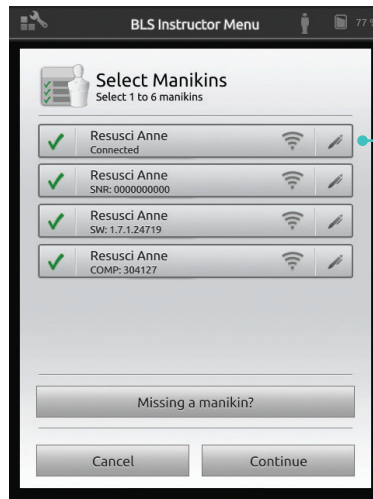For detailed information about the manikin, tap and hold (2 seconds) on one of the connected manikins. Toggle between manikin status, manikin serial number, manikin software version, and number of compressions performed on that manikin during its lifetime.

Tap and hold for 2 seconds to toggle between states

BLS Learner

BLS Instructor

SimStore

Adjust brightness, clock, and other settings
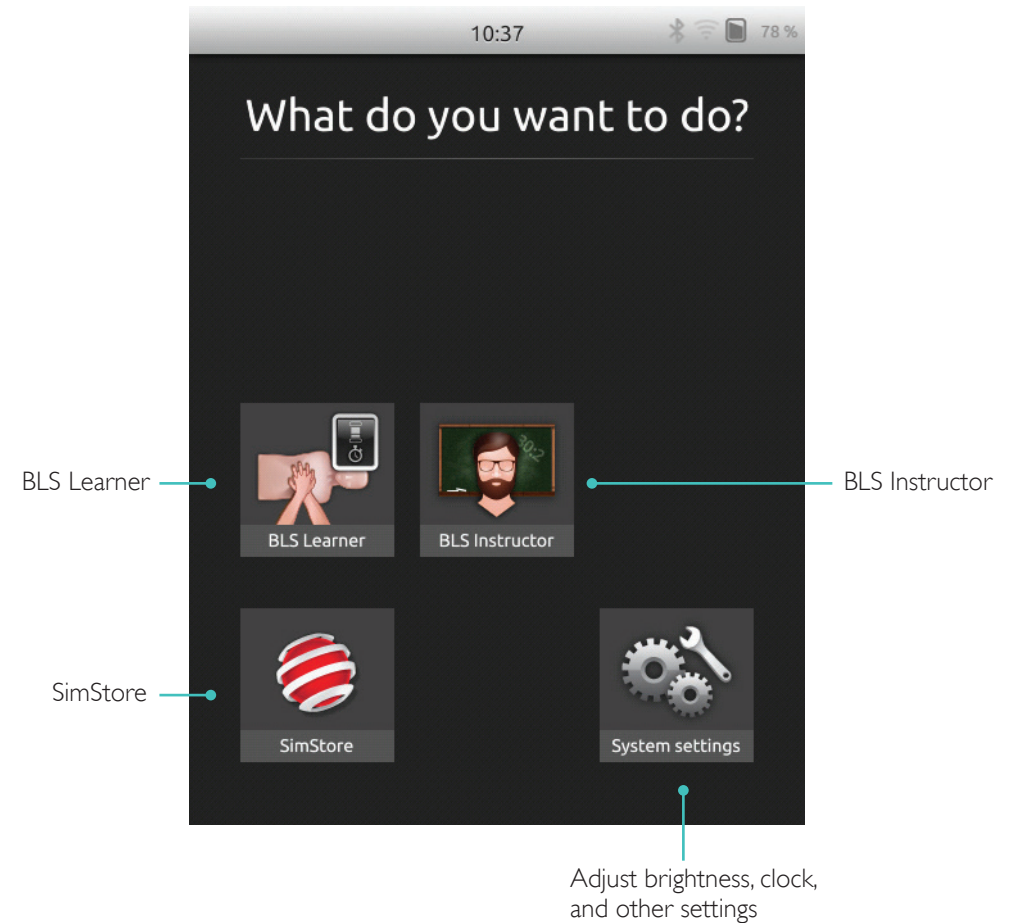
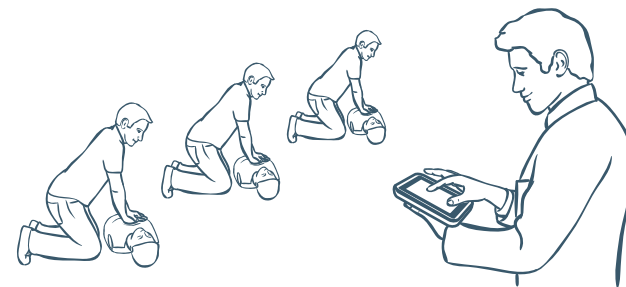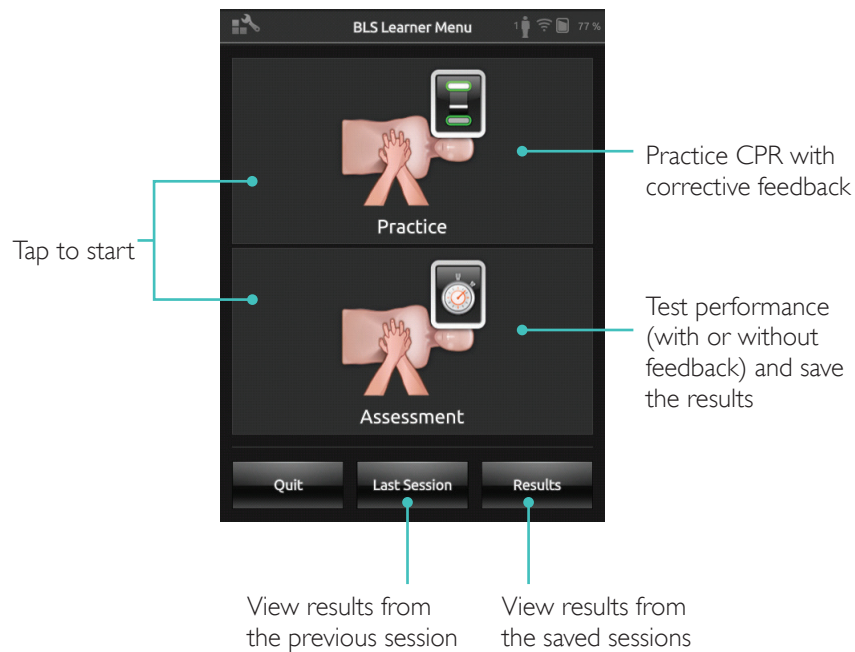## SkillReporter has two modes, BLS Learner and BLS Instructor

BLS Learner gives feedback on CPR performed on a single manikin.

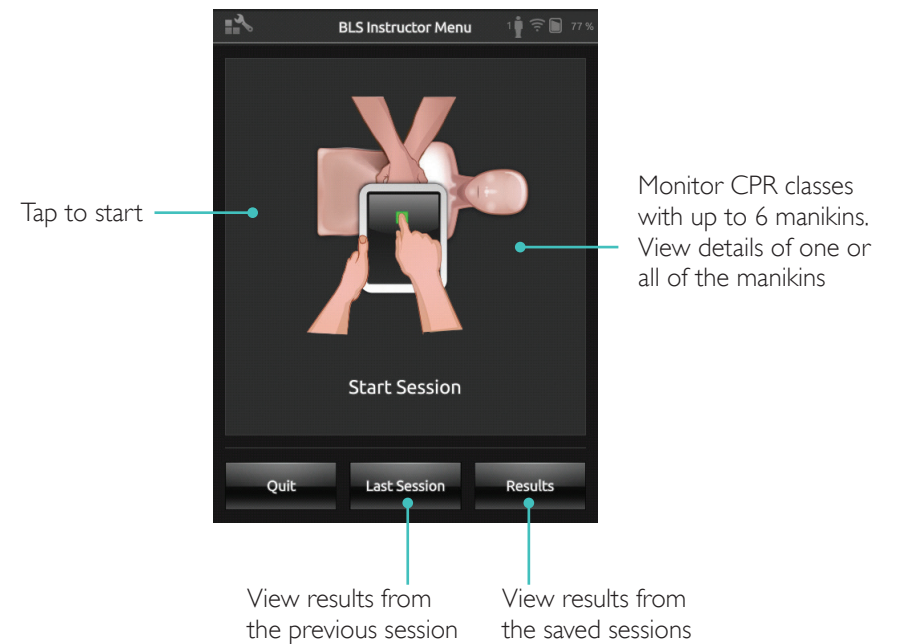BLS Instructor enables the instructor to:
- Monitor CPR feedback on up to 6 manikins
- Register events with a single manikin
- Control and monitor AED (Automated External Defibrillator) training (single manikin)
- Monitor and debrief on CPR-D/ShockLink training (single manikin)
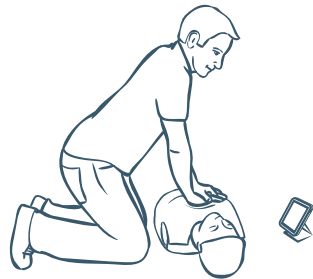
BLS Learner gives feedback on CPR performance for learners using a single manikin. Choose between Practice and Assessment, and between CPR (single rescuer or two-rescuer), Compressions Only and Ventilations Only.

Tap to start

Practice CPR with corrective feedback

Test performance (with or without feedback) and save the results

View results from the previous session

View results from the saved sessions

BLS Instructor helps the instructor review learners' performance on one or several manikins, register events, and control defibrillation features (depending on manikin model). Sessions can be saved and features for managing learners are available.

Tap to start

Monitor CPR classes with up to 6 manikins. View details of one or all of the manikins

View results from the previous session

View results from the saved sessions

📝 Note

BLS Instructor can only monitor and provide feedback for AED and training with ShockLink on one manikin at a time.

Choose Algorithm

Practice CPR, Compressions only or Ventilations only. For CPR sessions, select either single rescuer or two-rescuer. Participants in two-rescuer sessions are allowed less no flow time than single rescuers.

Tap to assign Learner names to connected manikins
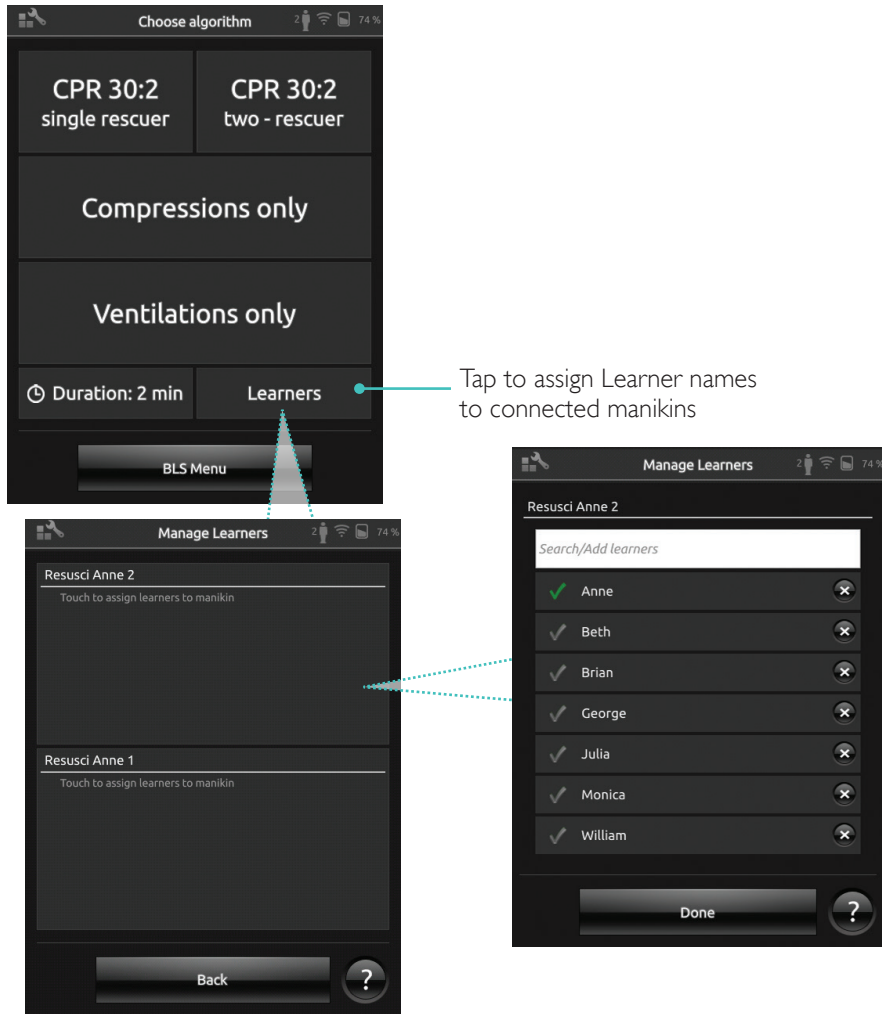
Assign one or more learner names to each manikin. Tap Learners and assign names either before, during, or after a session. These will be stored for later reference. View and edit the Learners list in BLS Settings.

Learner Administration

To manage a large group of learners, import a list of names to SimPad. Connect SimPad to a computer, using the USB cable. SimPad appears as an external disk drive.

Create a document in ".txt" format named "class.txt" (e.g. in Notepad) that has one learner name per line. Transfer the file into the folder named "Learners" on the SimPad drive.

class.txt

Learners

Logs

Scenarios

Themes
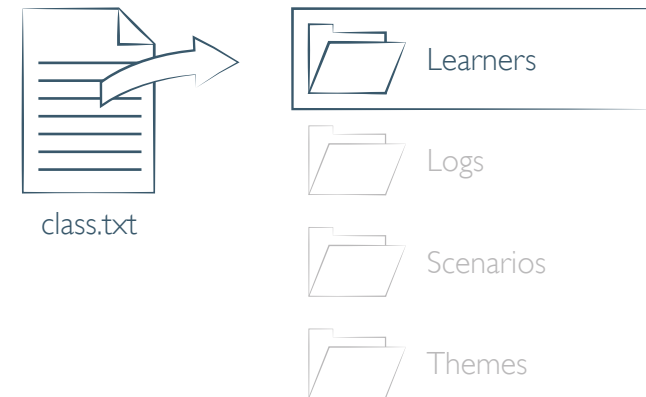
Event Registration

Register Events including Response Check and Call for Help during a session. These events are displayed in the timeline and stored in the session.

Tap to register event

Green circle indicates registered event. Number indicates frequency of Event registered
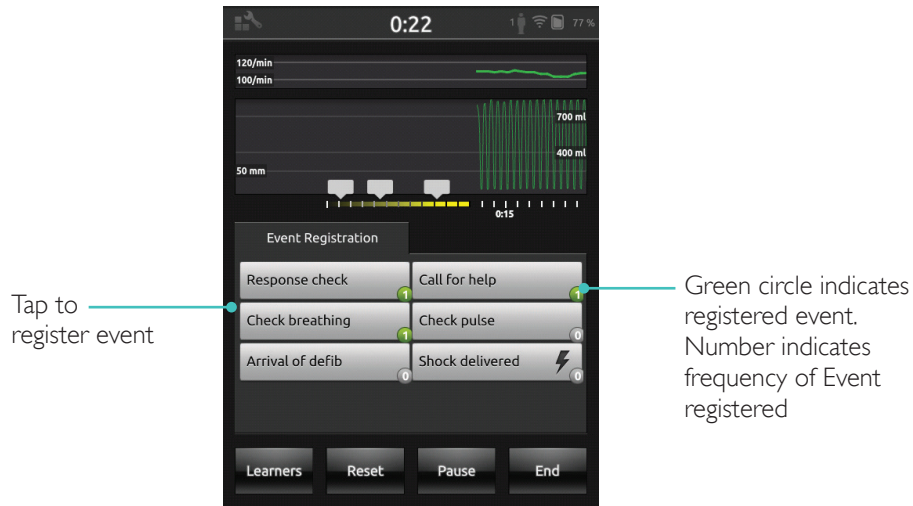
Customised Events

Create customised events from BLS Settings > View Event Registrations. The Event Registration feature can be disabled in BLS Settings.
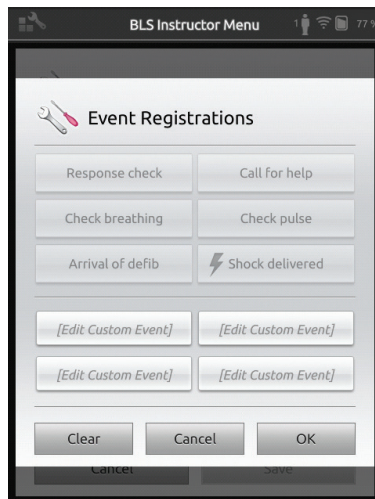
📝 Note

*Event registration is only available with a 1:1 connection.*

Defibrillator Features

Defibrillation training with live defibrillators (manual and automatic) can be monitored by SimPad with SkillReporter. Training can be performed in 3 ways:

• ShockLink with Resusci Anne AED Manikin

• Resusci Anne QCPR D

• AED Trainer 2 and AED Trainer 3

Defibrillation with ShockLink or Resusci Anne QCPR D

ShockLink enables the connection of compatible live defibrillators to ShockLink prepared training manikins and Patient Simulators. For more information about ShockLink visit www.laerdal.com/ShockLink.
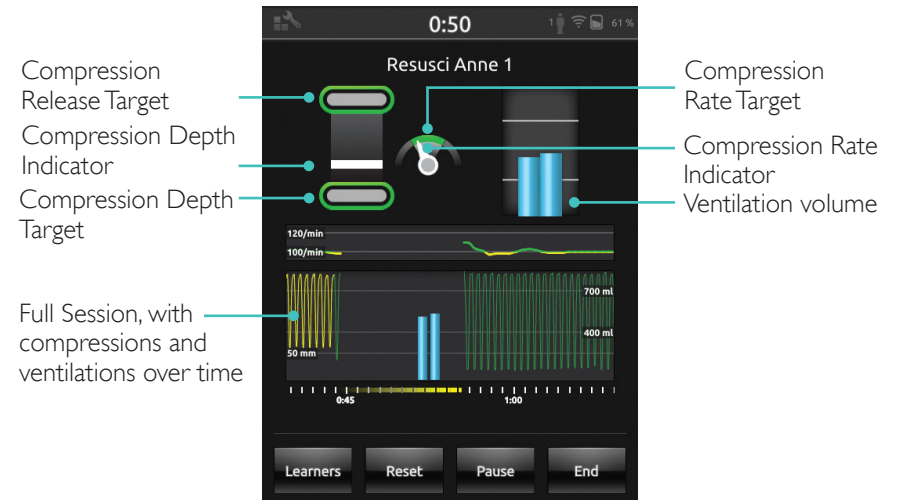

Select a new rhythm. Flashing indicates pending rhythm
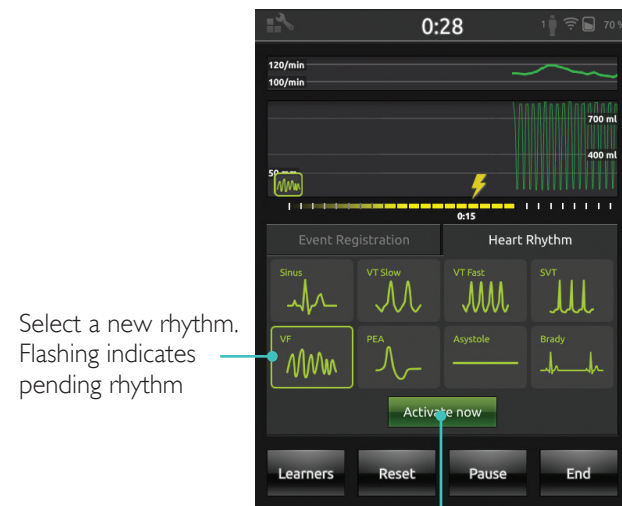
Tap to Activate (Rhythm is also activated upon shock)

AED Trainer 2 and AED Trainer 3

Enable this feature in BLS settings by selecting the AED Trainer type. After correct training pad placement, SimPad can be used as a remote control for the AED trainer.
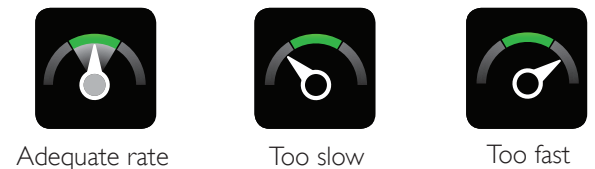
Select AED Trainer

AED Trainer features

SkillReporter displays real time CPR feedback

Compression Release Target

Compression Depth Indicator

Compression Depth Target

Compression Rate Target

Compression Rate Indicator

Ventilation volume

Full Session, with compressions and ventilations over time

Compression Depth

Adequate release

Adequate depth

Compression Rate

Adequate rate

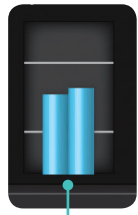Too slow

Too fast

Ventilation Volume

Adequate   Too little   Too much

Ventilation Rate
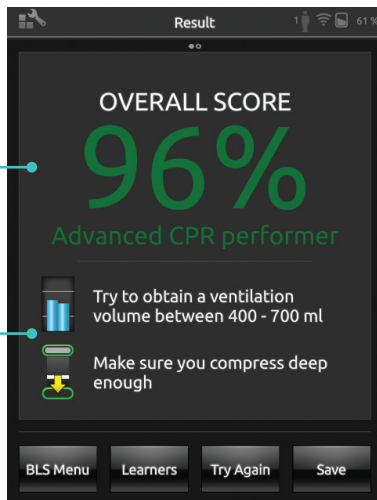

Adequate   Too slow   Too fast

Results

The initial result screen gives an overall score (if enabled in Settings) and advice on how to improve CPR performance.
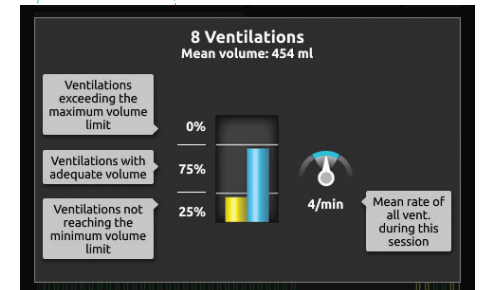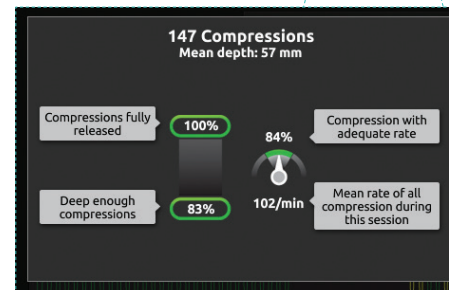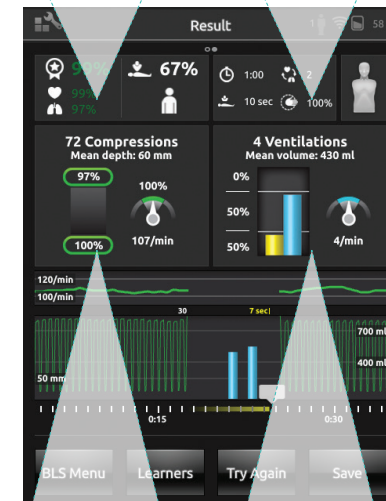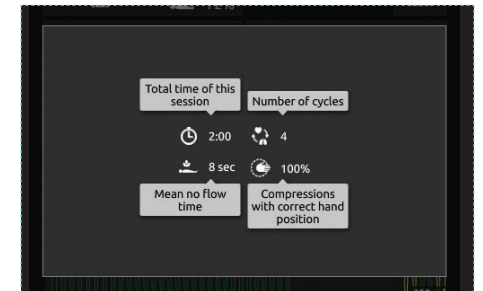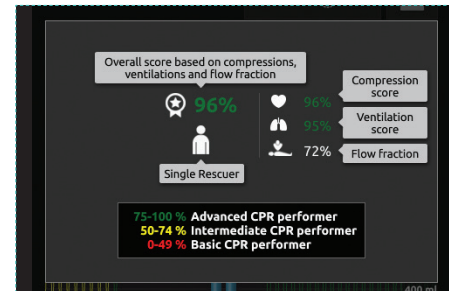
Tap or swipe screen for more details

Indicates two main findings from the CPR performance
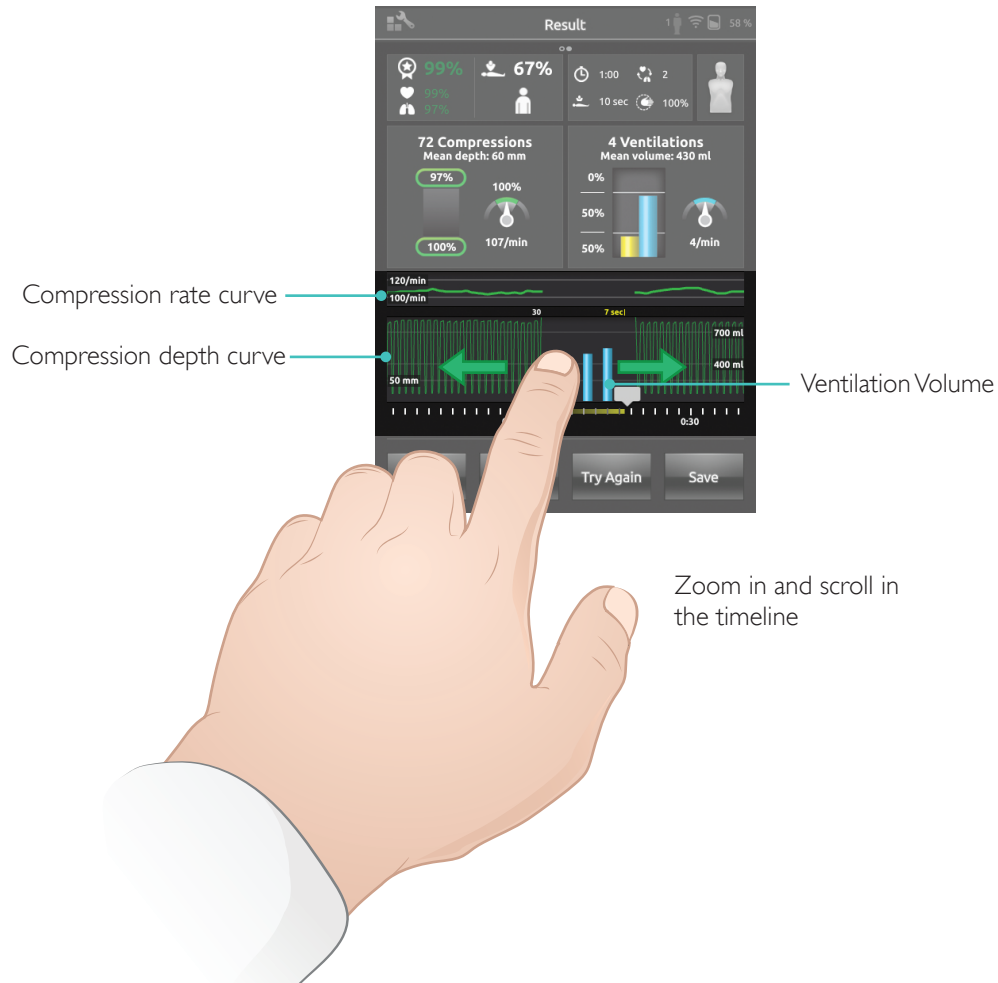
QCPR Summary

Tap or swipe screen for more details

For more details on the scoring, visit www.laerdal.com/qcpr.

Timeline

Performance data for the previous 30 seconds is displayed in the timeline.

Compression rate curve —

Compression depth curve —

— Ventilation Volume

Zoom in and scroll in
the timeline

When doing a Ventilations Only session, the ventilation rate curve is displayed instead of
the compression rate curve. Events and AED activity are viewed in the timeline.

Flow Fraction is not included in the overall score for Scenario training with AED or when
events are registered (Response Check, Check Breathing, etc.). This is to allow for correct
medical procedures, without having the overall score reduced. The Flow Fraction is then
shown separately.

Events and AED
actions are displayed
in the timeline

Tap the events
or heart rhythms
for details
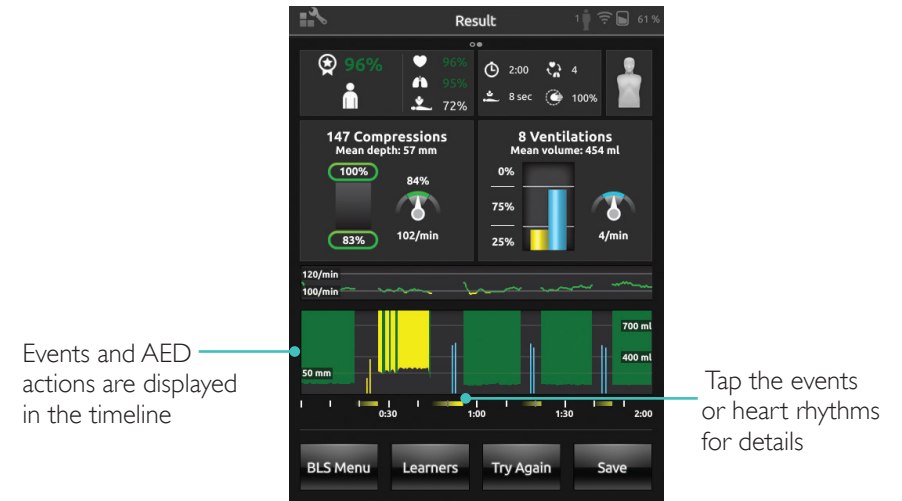
BLS Settings Menu

In the BLS Settings Menu, select predefined CPR Guidelines (European Resuscitation Council (ERC) and American Heart Association (AHA)), or specify custom thresholds and other settings.

Select predefined CPR Guidelines

Create customised thresholds

Problem	Solution
Manikin is not connecting. It might take up to 15 seconds to identify the manikin. If it does not appear on the list, try the following solutions.	• Ensure the manikin is switched on and in WiFi mode, indicated by the green WiFi symbol on the control panel on the manikin. • It may be connected to a network other than SimPad. To make it available for selection, press and hold the manikin's toggle button. After two seconds a beep confirms that the manikin is reset.
Connection problems may occur in areas with a high WiFi traffic.	• To avoid high traffic WiFi-channels, log on to the LaerdalNetMobile router to change to a low-traffic WiFi channel. • A "How to change the router channel" guide is available from the SimPad SkillReporter product page. www.laerdal.com/SimPad-SkillReporter • The most reliable connection for single manikin use is the USB cable. A cable connected manikin appears in the manikin list as preselected and connected.

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Printed in USA

20-06569 Rev E

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