

# Implementing LLEAP to SimMom, ALS, SimNewB and SimJunior

Implementation of LLEAP Instructions







Tick off each step as you complete it.

# Equipment

Download the latest User Guide, Important Product Information and Quick Setup Guide from the simulator's homepage on www.laerdal.com.

To complete the implementation of LLEAP you will need:

- Ethernet cable
- PC with LLEAP
- USB to micro USB cable (applicable only if you also use your simulator with SimPad)

#### Implementation overview

Implementing LLEAP to your Link Box driven simulator can be broken down into two main steps:

- 1. Update your Link Box software, using your LLEAP PC
- 2. Update your simulator firmware, using the newly updated Link Box

In addition, if you also use your simulator with SimPad, you would have to update SimPad to match the software version of the Link Box.

## Link Box Software

1. Disconnect any cables currently connected to Link Box. Then connect Link Box to AC power.



2. Connect the Link Box to your LLEAP PC using an ethernet cable.



3. Power up the Link Box and wait for the steady green lights.





4. From your LLEAP PC, start Laerdal Simulation Home.

Start button > All programs > Laerdal Medical > Laerdal Simulation Home

Note

If running Windows 8, the shortcut to Laerdal Simulation Home is automatically added to the desktop.

#### 5. Select Simulator Firmware & Network Wizard



6. Select Configure Network or Update SimPad / Link Box

	Configure Network or Update SimPad / Link Box For devices using SimPad Link Box	
و ك	imulator Firmware & Network Wizard - 5.2.0.1711 🛛 - 🗖 💌	
Simu	ator Firmware & Network Wizard	
With Si date ar	mulator Firmware & Network Wizard you can keep your simulator software up-to- d configure network options	
	Configure SimMan 3G Network For SimMan 3G, SimMan 3G Trauma, SimMan 3G Mystic, and SimMan Essential	
	Update SimMan 3G For SimMan 3G, SimMan 3G Trauma, SimMan 3G Mystic, and SimMan Essential	
	Update SimMan / SimBaby For SimBaby and SimMan Classic	
	Configure Network or Update SimPad / Link Box For devices using SimPad Link Box	
LLEAP :	oftware suite will keep itself up-to-date if you have an internet connection	
(❤ He	Ip and information	

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7. Select your Link Box. Since no simulator is currently connected, it will say Unknown Simulator.

🛃 🛛 Simulator Firmware & Network Wizard - 5.2.0.1883 💦 – 🗖 🗙	
Simulator Firmware & Network Wizard Select a SimPad / Link Box to update or configure:	
Link Box-003230 SimPad Link Box, Unknown Simulator, 10.183.36.61	
Note that you can use LLEAP or Patient Monitor to connect to your wireless simulator network	
Help and information     Try again	

8. After a few seconds, this dialog will appear. If there is an upgrade available, select Upgrade firmware.

Simulator Firmware & Network Wizard - 5.2.0.1883		
Link Box-003230 settings		
There is an upgrade available.		
Upgrade firmware from version 5.0.0.19875 to 5.0.5.20932		
Get Last Update Log		
Configure Network		
Repair Simulator Firmware		
About Link Box		
♥ Details		
Help and information		



9. After some seconds this popup will ask for your confirmation. Click OK to start the upgrade process.

Simulator Firmware & Network Wizard	
Are you sure you want to upgrade the connected SimPad Link Box from version 5.0.0.19875 to version 5.0.5.20932?	
OK Cancel	

10. The upgrade process is now running, and in total the process takes about 15 minutes. During the first 2-3 minutes, there is a file transfer to Link Box. To follow the progress in more details, click on details to expand a list view of all process steps..





- 11. When the file transfer process is finished, the updating process will start, and the LEDs will start flashing. This part of the process takes about 10 minutes. When the LEDs are steady green, click next.

Simulator Firmware & Network Wizard - 5.2.0.1883 – 🗖 🔀
Preparing Link Box-003230 for upgrade
Please wait while updating the SimPad Link Box. This update takes about 10 minutes. The green Power LED will blink while updating. Wait until the LEDs on the SimPad Link Box are steady green.
⊘ Details
Help and information

12. The upgrade process is now finished. Click Close.

13.Turn off the Link Box

# Simulator Firmware

## <u>∕</u>Caution

Do not turn on the Link Box before connecting to the simulator, as this may corrupt the firmware update.

- 1. Connect your simulator to the Link Box. Please refer to the User Guide and Quick Setup Guide of your simulator for details on how to connect the simulator to the Link Box.
- 2. Turn on the Link Box.





3. After the Link Box is turned on, the Power LED will start flashing slowly during its start-up procedure.



- 4. After a few seconds, both LEDs will stop flashing and be constantly lit. The Link Box is now booted up and ready to start the automatic firmware upgrade of the simulator.
- 5. After a few more seconds, the simulator upgrade process will automatically start. Now the Power LED will flash at a much faster rate than during start-up. This process should take 5 to 10 minutes.

#### Note

If the Power LED does not begin to flash and both are still illuminated constantly, no update is required.

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#### Note

Do not launch LLEAP and try to connect to the Link Box before the simulator update is complete.

7. Once the Power LED has stopped flashing, the update is complete. You can now connect to the simulator through LLEAP.



# SimPad Software (applicable only for users using both PC and SimPad to control their simulator)

With the Link Box and simulator now updated to LLEAP, you must also update your SimPad to be able to connect to your simulator.

1. Connect the SimPad to AC power.



2. Connect the SimPad to your LLEAP PC using an ethernet cable.



3. Power up the SimPad and wait for the steady green light.

4. From your LLEAP PC, start Laerdal Simulation Home.

Start button > All programs > Laerdal Medical > Laerdal Simulation Home

#### Note

If running Windows 8, the shortcut to Laerdal Simulation Home is automatically added to the desktop.





#### 5. Select Simulator Firmware & Network Wizard



6. Select Configure Network or Update SimPad / Link Box





# Implementation of LLEAP Instructions

7. Select your SimPad.

🛃 Simulator Firmware & Network Wizard - 5.2.0.1883 🛛 🗕 🗖 🗙
Simulator Firmware & Network Wizard
Select a SimPad / Link Box to update or configure:
simpad-017026 SimPad, 10.183.36.51
Note that you can use LLEAP or Patient Monitor to connect to your wireless simulator network
Help and information Try again

8. After a few seconds, this dialog will appear. If there is an upgrade available, select Upgrade firmware.

🚨 Simulator Firmware & Network Wizard - 5.2.0.1883 🛛 – 🗖 🔜		
simpad-017026 settings		
There is an upgrade available.		
Upgrade firmware from version 5.0.1.19969 to 5.0.5.20932		
Get Last Update Log		
Configure Network		
Repair Simulator Firmware		
About Link Box		
✓ Details		
Help and information		



9. After some seconds this popup will ask for your confirmation. Click OK to start the upgrade process.

Simulator Firmware & Network Wizard	×
Are you sure you want to upgrade the connected SimPad from version 5.0.1.19969 to version 5.0.5.20932?	
OK Cancel	

10. The upgrade process is now running, and in total the process takes about 15 minutes. During the first 2-3 minutes, there is a file transfer to SimPad. To follow the progress in more details, click on details to expand a list view of all process steps.



11. When the file transfer process is finished, the updating process will start, and the SimPad Upgrading screen will show. This part of the process takes about 10 minutes. When the SimPad restarts and is ready, click next in the dialog below.

🛃 Simulator Firmware & Network Wizard - 5.2.0.1883 🛛 🗕 🗖 🗙
Preparing simpad-017026 for upgrade
Please wait while updating the SimPad. This update takes about 10 minutes. Please wait for it to restart.
<ul> <li>Details</li> </ul>
Help and information <u>N</u> ext

12. The upgrade process is now finished. Click Close.

13. The SimPad is now ready for use with your LLEAP-upgraded Link Box.

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