Connection of Laerdal Patient Monitor to SimPad Link Box

1. Direct Connection between Link Box and Monitor PC.



A wired connection to the Patient Monitor is the recommended connection method. A wired connection ensures continuous transfer of data and no interruption in waveform drawing on the monitor.

Note: Typically it will take at least one minute from the Link Box is connected until it shows up on the selection menu.



1.1 PC Setup with Direct Connection.

When running with a direct connection the Monitor PC must be setup with "Automatic private IP address". That will be the default setting for most computers.

To check and set this:

- In Control Panel, select Network and Sharing Center
- Click on Local Area Connection

			ing Sharing	General Alternate Configuration		General Alternate Configuration		
Connection		Cornel using: IP IP IP IP IP IP IP IP IP IP		And a second sec	Letteral information compared with the strength with the strength of the stren		If this computer is used on more than one network, enter the alternate settings below. Automatic private IP address User configured	
IPv4 Connectivity: Internet IPv6 Connectivity: No Internet access Media State: Enabled Duration: 00:14:31				If this exputer is used on more settings below.				
				Automatic private IP addre				
				User configured				
Speed:	1.0 Gbps		Client for Microsoft Networks	IP address:	192.168.169.5	IP address:		
Details			Deterministic Network Enhancer QoS Packet Scheduler	Subnet mask:	255.255.255.0	Subnet mask:	A 4 4	
			File and Printer Sharing for Microsoft Networks	Default gateway:	7 7 4	Default gateway:		
svity				Preferred DNS server:		Preferred DNS server:		
Sent — 🧸	Received		Link-Layer Topology Discovery Responder	Alternate DNS server:		Alternate DNS server:		
Bytes: 26,398	298,860		Install Uninstal Properties	Preferred WINS server:	T T T	Preferred WINS server:		
Properties Disable	Diagnose	Tran	smission Control Protocol/Internet Protocol. The default	Alternate WINS server:	· · · · · ·	Alternate WINS server:	a a 10	
		wide area network protocol that provides communication across diverse interconnected networks.		Woldate settings, if chang	upon exit		Validate settings, if changed, upon exit	
	Gose		OK Cancel		OK Cancel		OK Can	

Click On Properties

Select Alternate Comiguration

Choose "Automatic private IP address"

Note: SimMan 3G Patient Monitor computers are set up with a "User configured" private IP address. To use this computer with the SimPad Link Box in a direct connection you have to change this setting as described above.

To use it with a direct connection to SimMan 3G it will have to be set back to "User configured" setting.

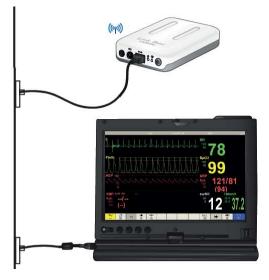
2. Link Box and Patient Monitor PC on a Wired Network

An alternative to the direct connection is connecting the Link Box and the Patient Monitor PC to a wired LAN. This will usually work as well as a direct connection.

The advantage with this method is that any number of Link Boxes that are on the network can be selected from you from the Monitor PC

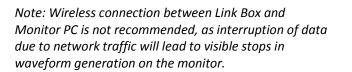
Another advantage with is that such a network typically has internet connection. This will enable automatic software updates of the PC and Monitor software.

SimMan 3G Monitor software will function equally well in this setup and it would be easy to alternate between the two Patient Monitor softwares.



3. Wireless Connection between Link Box and Monitor

If a wireless connection between the Link Box and the Patient Monitor is required, an infrastructure WiFi network should be used.



See SimPad System Network set-up guide for how to connect the Link Box to an infrastructure WiFi network.

It is possible to connect the Monitor PC to the default Ad-Hoc SimLink network, but it is quite cumbersome involving manual entry of a static IP address every time the PC is started.

SimMan 3G Monitor software will function equally well in this setup.





4. Recommended Connection Methods – SimPad System.

4.1 SimLink + Direct Wire.

Advantage: Mobile, no setup required.



4.2 SimLink + Wired LAN

Advantage: Internet, monitor updates, multiple Link Box selections



4.3 Infrastructure + Direct Wire

Advantage: Internet on SimPad (SimStore)



4.4 Infrastructure + Wired LAN

Advantage: Internet, SimStore and updates, multiple Link Box selections



4.5 Wired LAN

Advantage: Internet, SimStore and updates, multiple Link Box selections

