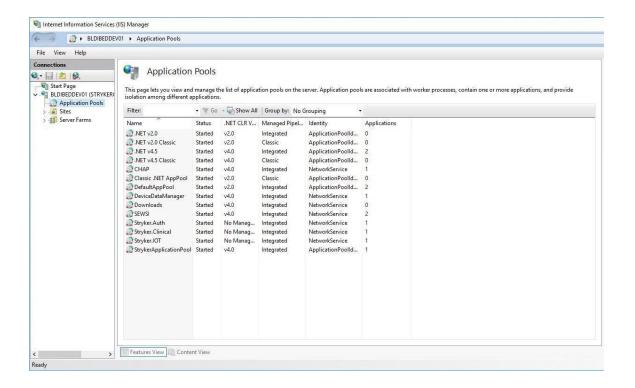
Stryker iBed® Wireless after-hours support documentation template

Hospital:
Point of contact:
Email:
Phone:
Issue as described (Single bed/location, single third-party outage, complete outage – if complete or single third party, mark as high importance):
Date/time of contact:
Bed serial number:
Footboard serial number (only for InTouch & ProCuity bed models):
IP address:
MAC address:
Room number/Patient position:
Locator BBID:
Troubleshooting steps performed/instructed

Verifying Stryker application pools are running in IIS Manager

- 1. Login to Stryker iBed Server
- 2. Click the Search button and type "IIS Manager" and click Enter to open
- 3. In Connections pane, click the drop-down arrow next to the server name to expand items
 - a. Click Application Pools
- 4. Verify that all Application Pools are Started:



Stryker Wireless bed triage

The Stryker iBed Wireless system requires both wireless connectivity as well as a location (provided either via an iBed locator or Secure Connect) to be able to communicate with systems wirelessly. This document walks through verifying the bed is connected to both Wi-Fi and a locator to function wirelessly. See table below for next steps if either icon shows disconnected.

No connection to the wireless network	1. Power cycle or perform a soft reset of
No connection to the wileless network	
	the product and wait two minutes
	a. If the footboard wireless icon
	shows a connection go to step 3
	b. If the footboard wireless icon
	does not show a connection go
	to step 2
	2. Move the bed to a different area of the
	hospital and see if it can connect
	a. If the footboard wireless icon
	shows a connection, there may
	be an issue with signal strength
	in the room the bed would not
	connect in. Contact networking
	and go to step 3
	b. If the footboard wireless icon
	does not show a connection,
	•
	pull bed from service, and
	troubleshoot wireless radio
	3. Verify proper operation before you
	return the bed to service
No connection to the iBed Locator / Secure	1. Verify the bed is facing the iBed Locator
Connect	/ Secure Connect and that Line of Sight
	is not obstructed
	2. Move the product to another iBed
	Locator / Secure Connect
	a. If the product connects, replace
	the batteries in the locator /
	ensure the Secure Connect
	power cord is plugged in and
	the battery switch is turned ON
	/ troubleshoot locator or
	Secure Connect
	Secure Connect

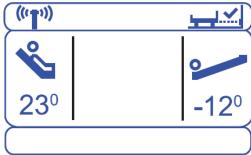
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b. If the product does not connect, troubleshoot the IR module on the bed
3. Verify proper operation before you return the bed to service

S3 3002 & 3005 Med-Surg:

Check iBed locator and wireless Connection status on the bed:

- On the main home screen of the footboard, view the icons in the upper left- and right-hand corners of the display
 - If icons are not present, verify bed is wireless model and option is turned on



- The upper left-hand corner shows the wireless connectivity status, the less bars around the antenna icon the lower signal
- The upper right-hand corner shows the iBed Locator connectivity status, it will be either connected or disconnected

—	This icon means the iBed Locator is connected.	
— .X.,	This icon means the iBed Locator is not connected.	
("T")	This icon means the Network is connected.	
T×	This icon means the Network is not connected.	

Retrieving bed's IP address, MAC address, and iBed Locator BBID information from the bed's Maintenance Menu:

- Refer to 3005-109-002 Maintenance Manual for an in-depth guide to the Maintenance Menu
 - o Within the Maintenance Menu, select the "Connectivity Info" option
 - Use the arrow buttons to navigate down through the Connectivity Info page to collect the IP Address, MAC address, and iBed Locator ID (BBID) information

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InTouch® FL27 ICU:

Check iBed locator and wireless Connection status on the bed:

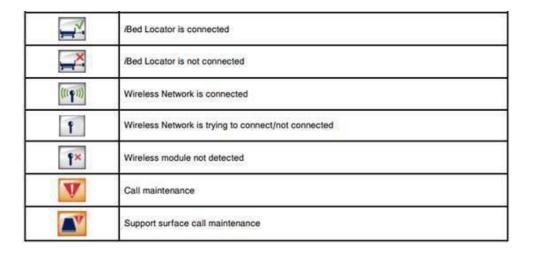
- * If icons are not present, verify bed is wireless model and option is turned on
 - The following figure displays the InTouch home screen icons and their definitions



Figure 20: Patient information

	Name	Function
A	Patient ID	Displays patient name and date admitted
В	Weight	Displays patient weight
С	Height	Displays patient height
D	ВМІ	Displays the patient's body mass index (BMI)
E	Braden Scale for Predicting Pressure Sore Risk ¹	Displays the patient's last Braden Scale score and the time and date the score was recorded. Tap the pencil to enter the Braden Scale menu.
F	Unit/Rm	Tap the pencil to enter unit/room number
G	Configure privacy	Configures the visibility of patient information displayed on the Patien Information screen
н	Patient note	Tap the pencil to enter patient notes
1	Wi-Fi (Optional)	View the Wi-Fi connection status (Figure 96 on page 89)
J	iBed Locator (Optional)	View the iBed Locator connection status (Figure 98 on page 90)

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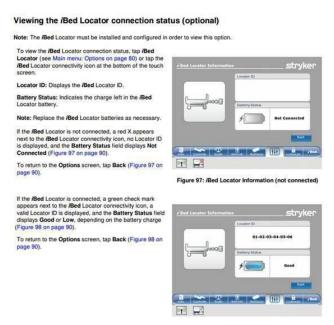
- o Figure I and J show the wireless connectivity information
- Press the Wi-Fi icon

Viewing the Wi-Fi connection status (optional)

Note: /Bed Wireless must be installed and configured in order to view this option. To view the Wi-Fi connection status, tap Wi-Fi (see Main menu: Options on page 80) or tap the Wi-Fi connectivity stryker icon at the bottom of the touch screen. Wi-Fi ON displays the connection status of the wireless (TPI) network. NAC Address Cornection Type 00400 To configure the Wi-Fi option, see the InTouch 3P Address 10.32.56.107 maintenance manual. To return to the Options screen, tap Back (Figure 96 on wk med install page 89).

- The IP and MAC address can be retrieved from this screen as well
- Press the IBed locator icon

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The Locator ID on this screen is also known as the BBID

3009 ProCuity®

Check iBed locator and wireless Connection status on the bed:

- On the main home screen of the footboard, view the icons in the upper right-hand corner of the display
 - o If icons are not present, verify bed is wireless model and option is turned on
- The icon to the left shows the connectivity status for the wireless locator / Secure Connect
 - Orange icon means bed is not connected to locator / Secure Connect
 - o Green icon means bed is connected to locator / Secure Connect
- The icon to the right shows the status of the bed's connectivity to the wireless network
 - o A blue X over the Wi-Fi icon means the bed is not connected to Wi-Fi
 - An antenna icon with radiating bars to signify current signal strength means the bed is connected to Wi-Fi
- The below image shows both icons disconnected:



• The below image shows both icons connected:

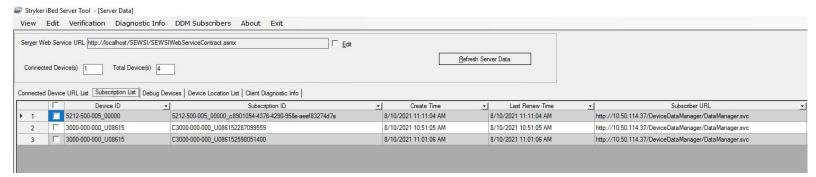


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Refer to these Maintenance Manuals 3005-109-002/3009-109-002/3006-609-002/2141-309-002

Verifying subscriptions for 3rd party in Stryker iBed server

- 1. Login to Stryker iBed Server
- 2. Open iBed Server Tools
 - a. Right Click > Run as Admin
- 3. Click Subscription List Tab
 - a. Each 3rd Party requires a server subscription (Device ID begins with 5212) as well as a subscription to each individual bed (Device ID = serial number of bed)
 - i. Can verify which third party subscription is for in Subscriber URL field (contains IP or host name of server that is subscribing to Stryker iBed Server)
 - 1. In example below, line 1 is the server subscription from DDM. Lines 2 and 3 are bed subscriptions from DDM ii. If subscriptions are missing, instruct to verify 3rd party server is working properly as Stryker does not control incoming subscriptions outside of DDM
- 4. For integrations with Stryker systems (Vision, Smart Equipment Management) or integrations utilizing Iguana (Epic or other EHR integrations, new 3rd party integrations) we will need to verify we have a DDM subscription to the server and beds
 - a. If DDM subscriptions are missing, instruct to Verify DDM Application Pool is running in IIS (refer to Verifying Stryker Application Pools are Running in IIS Manager)
 - i. Example of DDM subscriptions in image



Verifying Stryker channels are running in Iguana

- 1. Login to Stryker iBed Server
- 2. Click Iguana link on desktop to open Iguana dashboard
 - a. If there is not a link, open a browser and navigate to localhost:6543
 - b. Default username and password is prepopulated, just click Login
- 3. You will see the channels in the main view
 - a. Verify channels are Started (green icon = running, red icon = stopped due to error, yellow = attempting to connect, white = not started)
 - b. If any channels are not running or stopped due to error, restart them by clicking Start



Verifying Stryker iBed® server services are running

- 1. Login to Stryker iBed Server
- 2. Open a Run Prompt (Windows Key + r)
 - a. Type services.msc to open Services panel
- 3. Verify the following services are running (if not, start them):
 - a. StrykerSEWSIHeartbeatService
 - $b. \ \ Stryker Maintenance Service$
 - c. StrykerDiagnosticService
 - d. World Wide Web Publishing Service

Example triage flow

Customer Inquiry: Stryker Medical wireless outage

Step 1: Determine outage scope (complete outage, single application, specific beds/location)

Is this an issue with a single bed or location? Is this impacting all wireless systems or just one? What system is impacted?

Step 2a: Complete outage

- Instruct to Verify Stryker services are running on server (refer to Verifying Stryker iBed Server Services are Running)
- Instruct to Verify Application Pools are running on server in IIS Manager (refer to Verifying Stryker Application Pools are Running in IIS Manager)
- Instruct to Verify beds are connected to server (refer to Verifying Beds are Connected to Stryker iBed Server)
 - o If not, check with network team

Step 2b: Single application

- Instruct to Verify we have subscriptions in subscription list tab of server for that subscriber (refer to Verifying Subscriptions for 3rd Party in Stryker iBed Server)
- If Stryker system (Vision, Smart Equipment Management, etc):
 - Verify services on downstream server are running (Vision) (refer to Verifying Stryker Vision Services are Running)
 - Verify channels are started in Iguana (Verifying Stryker Channels are Running in Iguana)

Step 2c: Specific bed/location

• Triage at bedside:

- Ensure both wireless and locator icon show connected (refer to Stryker Wireless Bed Triage)
 - If wifi disconnected (602 error):
 - Reboot bed and check in 5 mins
 - Pull bed from service and see if it connects elsewhere
 - If so, likely a signal strength issue in previous room
 - If not, contact service for troubleshooting bed
 - If locator disconnected (check icon after each step):
 - Ensure head of bed is facing locator
 - Ensure line of sight between bed and locator is not obstructed
 - Ensure brake is set
 - Replace batteries in locator
 - If still not connected, contact service to troubleshoot locator/bed
 - Document info for service
 - Serial Number
 - Room Number/patient position

If both icons show connected:
Document info for TSA team (refer to Wireless After-Hours Support Documentation)

Step 3: Log investigation in Stryker email template and send to specified address

Verifying beds are connected to Stryker iBed Server

- 1. Login to Stryker iBed Server.
- 2. Open iBed Server Tools.
 - a. Right click > Run as Admin
- 3. Verify Connected Devices field > 0.
 - a. If connected Devices is a lot less than Total Devices, we may have troubles communicating with some beds. Contact network team to assist.



Verifying Stryker vision server services are running

- 1. Login to Stryker Vision Server
- 2. Open a Run Prompt (Windows Key + r)
 - a. Type services.msc to open Services panel
- 3. Verify the following services are running (if not, start them):
 - a. All services that start with Stryker
 - b. World Wide Web Publishing Service