

# Axons

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## Axon Locations

Care Area	Building	Rooms/Devices	Axon Type	Number of Axons
OR	Lunder	OR 86/87 Invivos	4 Port Axon	1
Endo	Blake 4	11 Proc room Dashes [1A, 1, 2, 3, 4, 5, 6, 7, 8A, 8B, 9]	8 Port Axon	5
		6 Pedi Bays		
		9 Holding Bays		
		12 Recovery [H, I J, K, L, M, O, P, Q, R, S, T]		
	CRP 9	10 Recovery	8 Port Axon	2
		4 Procedure	4 Port Axon	1
		4 Holding	4 Port Axon	1
CPC	Wang 3	33 bays	8 Port Axon	4
			1 Port Axon	1
OMFS	Wang 2	2 Procedure Rooms & 3 Recovery	4 Port Axon	3
MRI	Ellison 2	MRI 1	1 Port Axon	1
		MRI 2 & 3	4 Port Axon	1
MGH West	Waltham	7 PACU	8 Port Axon	2
		7 Preop		
		4 IR/US	4 Port Axon	1

MGH North	Danvers	30 Periop Slots	8 Port Axon	4
	MOB OMFS	Rm 10 (Sedation, SEDline, BIS, Draeger)	4 Port Axon	1
		1 Recovery RM	1 Port Axon	1
EP Pacer Lab	Gray 1	2 Dashes	4 Port Axon	1
IVF	Yawkey	2 Devices	Neuron	1
Pedi Hem Onc	Yawkey	1 B450	1 Port Axon	1
Learning Lab	Edwards 1	1 Anes machine	Neuron	1

## Physical Connections

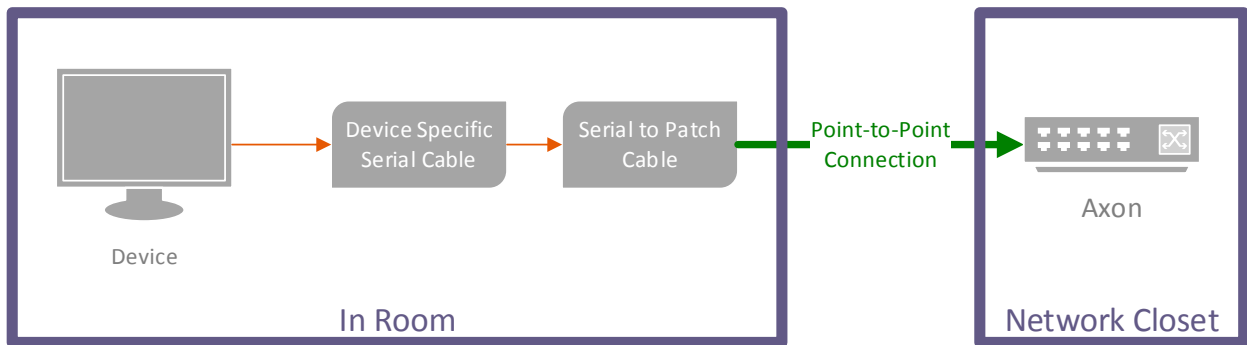


Figure 1 General Device Connection Setup in Areas using Axons

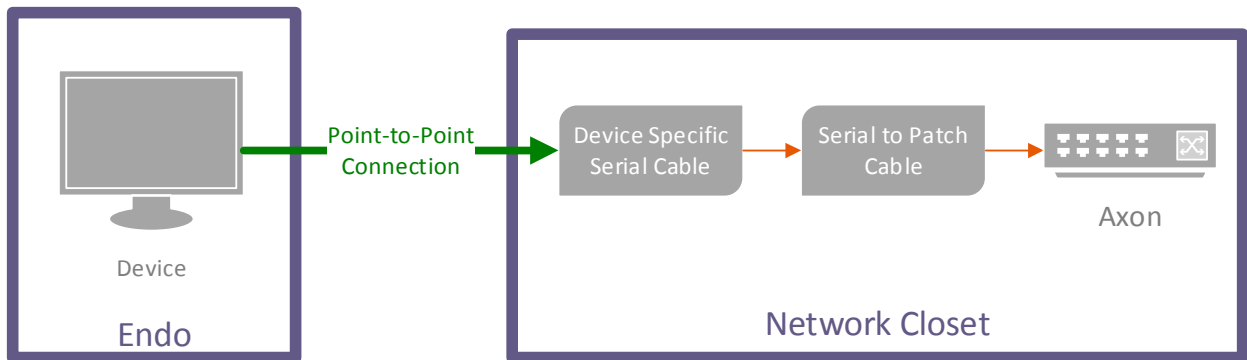


Figure 2 Endo Axon Setup



Figure 3 Device Specific Serial Cable & Serial to Patch Cable

### Device Specific Serial Cables

Device	Serial Cable
Dash	B1-CAQ
Invivo Expression	B1-CFA
Solar	B1-CFB
Tiro	B1-CFB
B450	B1-CFT
Fresenius 2008T	B1-CFH

### Serial to Patch Cables

B1-CPAT-DIR-14 (14' length)
B1-CPAT-DIR-5 (5' length)

### Restart DDIs

1. Remote into server phsweb1512
2. Launch the SmartLinx Control Center.
3. Click DDIs. Each room is programmed as an individual DDI.

SmartLinx Control Center - localhost

Menu Summary Neurons **DDIs** DMMs Output Multi-feed

Overall Status

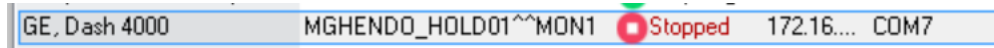
- ✓ All DDIs are running normally
- ✓ Filtering is active.
- ✓ HL7 output is active.

DDI Configuration Status

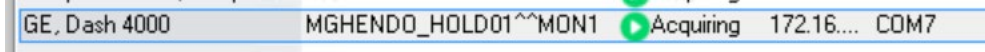
- ⚙️ Configured 6
- ▶️ Running 4
- ▶️ Acquiring 1
- ⚠️ Error 0

Recent Errors

4. Select the room(s), showing issues.
5. Ensure that the Status is set to “Acquiring”
6. If the DDI says “Stopped”, select it & then click “Start DDI”



7. If the DDI says “Acquiring”, you can stop and then start it again.



8. To check if data is being received by the Axon, select the room(s) and click Output stream.

## Rebooting an Axon Remotely

1. Login into server phsweb1512
  - a. *Note:* You can only access axons from server because of SMDZ restrictions
2. In Chrome, navigate to the axon’s hostname.
3. Click Advanced and Proceed to x.x.x.x (unsafe)
4. Login using:
  - a. Username: admin
  - b. Password: White401
5. Under Administration, go to Reboot and click Reboot.
  - a. *Note:* Unlike the Neurons, the Axons do not have memory so the user will lose data while the device reboots.

The screenshot shows the web interface for a SmartLinux Axon 810. At the top left is the 'capsule' logo. The main header is 'Device Configuration and Management' with a sub-header 'SmartLinux Axon 810'. On the left is a navigation menu with sections for 'Home', 'Configuration' (with sub-items like Ethernet Network, Wireless Network, Serial Ports, Network Services, SNMP, Time, Admin Password), and 'Administration' (with sub-items like Certificate Management, Backup/Restore, Firmware Update, Factory Default Settings, Network Status, Serial Port Status, System Log, Find Me LED, Legal Notices, and Reboot). The 'Reboot' link in the Administration menu is highlighted with a red box. The main content area has a blue header 'System Reboot Confirmation' and a message: 'The reboot process will take approximately 1 minute to complete. Click Reboot now to reboot the device.' Below the message is a 'Reboot' button, also highlighted with a red box.

## Checking Ensemble

<http://ensutils.partners.org/MDEV/Recipients.aspx>

EPIC AND ENSEMBLE INFORMATION	
LOCATION	ENSEMBLE NAMING CONVENTION
BLAKE CARDIAC INDUCTION ROOM (A-D) (where @ is a letter)	MGHPERI_BLK3@
OR 86/87 INVIVOS	MGHOR_MRI##
Wang 3 CPC	MGHPERI_WANG3##
BLAKE 4 ENDO HOLD (HOLD,PEDI, PROC)	MGHENDO_HOLD## (HOLD, PEDI, PROC)
BLAKE 4 ENDO REC (where @ is letter)	MGHENDO_REC@
CRP 9 ENDO	MGHENDO_CRPHOLD## (HOLD,REC,PROC)
YAW 8 PEDI HEME-ONC	MGHYAWPEDI_01
OMFS WANG 2	MGHOMFS_OR##
OMFS WANG 2 RECOVERY	MGHOMFS_REC##
ELLISON 2 MRI	MGHMRI_ELL2##
WHITE 1 MRI	MGHED_MRI01
EP HOLDING ROOM	MGHEP_HOLD##
MGH DANVERS PACU	MGHDANPERI_##
MGH DANVERS OMFS	MGHDANOMFS_##
MGH DANVERS OMFS REC	MGHDANOMFS_REC##
MGW PREOP	MGWWALPERI_PRE##
MGW PACU	MGWWALPERI_POST##
MGW IR SUITE 1 (where @ is a letter)	MGHWALIR_1@
MGW ULTRASOUND IMAGING AREA (where @ is a letter)	MGHWALUS_4@

## Swapping an Axon

1. Connect the Spare axon to a regular IS jack.
2. In Chrome, navigate to the axon's hostname.
3. Click Advanced and Proceed to...(unsafe)
4. Login using:
  - a. Username: admin
  - b. Password: White401
5. Click Ethernet Network.
6. Change the hostname to the hostname of the axon you're replacing.
7. Click apply.

8. You can shutdown the axon and swap it out with the broken one.
9. After installing it, check if data is being received in Ensemble. It may take a few minutes. If not, try stopping & starting the DDIs for that axon.