
Software and Radio Frequency Card Upgrade Instructions

Alaris® PC Unit, Models 8000 and 8015
Upgrade to v9.5.x and IEEE 802.11a/b/g

Explanation

IMPORTANT: If the PC Unit software version is prior to v9.1.14, call the CareFusion support center at 1.888.562.6018 to arrange for a software upgrade. Do not use these instructions and the accompanying software to upgrade software that is prior to v9.1.14.

This document provides instructions to:

- Upgrade the following software/firmware components from v9.1.14 to v9.5.x:
 - Model 8000 main processor and wireless main.
 - Model 8015 main processor.
- Upgrade the IEEE 802.11b or 802.11b/g Radio Frequency (RF) card to an IEEE 802.11a/b/g RF card.

The IEEE 802.11a/b/g RF card is only compatible with PC Unit software v9.5.x or later.

Use the following table to determine which sections of this document provide the applicable upgrade instructions.

PC Unit Model	Upgrade	Instructions
8000	Software/Firmware	Model 8000 Software Upgrade, page 6
8000	Software/Firmware and RF Card	Model 8000 Software Upgrade, page 6 RF Card Upgrade—Models 8000 and 8015, page 18
8015	Software/Firmware	Model 8015 Software Upgrade, page 12
8015	Software/Firmware and RF Card	Model 8015 Software Upgrade, page 12 RF Card Upgrade—Models 8000 and 8015, page 18
8000, 8015	RF Card	RF Card Upgrade—Models 8000 and 8015, page 18

Technical Inquiries: Contact information is available on the following CareFusion website:
<http://www.carefusion.com/customer-support/customer-service/index.aspx>

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References

The instructions in this document are to be used in conjunction with the v9.5.x System Maintenance software user manual.

Kit Contents

Before proceeding with this installation, verify that the following items are enclosed with these instructions in the applicable kit:

- Kit, Software Upgrade to v9.5.x (part number 11673024):
 - v9.5.x Point-of-Care Software CD
 - Serial Cable

The RJ-45 connector of the cable attaches to the serial connector on the back of the PC Unit. The other end of the cable (DB-9 connector) attaches to the DB-9 serial port on the back of the computer or laptop.
- Kit, Radio Frequency Card (part numbers: 11673021 [for a Model 8000 with no Nurse Call installed]; 11673022 [for a Model 8000 with Nurse Call installed]; 11670720 [for a Model 8015]):
 - IEEE 802.11a/b/g RF Card
 - RF Card Cover

Parts and Tools Required

In addition to the parts included in the applicable upgrade kits, the following parts and tools are required.

NOTE: The Corrective Maintenance section of the Service Manual provides additional information on assembly and disassembly.

Software Upgrade:

- Windows-based personal computer or laptop, with v9.5.x Alaris® System Maintenance software installed
- Compact Flash (CF) memory card in FAT16 format, 64 MB to 2 GB
CareFusion recommends SiliconDrive CF, SSD-C64MI-3012 (or equivalent)—available from Silicon Systems, Inc. It is also available from CareFusion as part number 10012641.
- CF card reader
- 8975 Alaris® System Maintenance Software Kit, v9.5.x
- 9981 Guardrails® CQI Reporter Software Kit, v9.2.1 or later (optional use for downloading Guardrails® alert logs)
- Stopwatch or other timer
- #1 Phillips head screwdriver
- USB to serial port adapter (if computer being used does not have a DB-9 serial port)

RF Card Upgrade:

- Windows-based personal computer or laptop, with v9.5.x Alaris® System Maintenance software installed
- Compact Flash (CF) memory card in FAT16 format, 64 MB to 2 GB
CareFusion recommends SiliconDrive CF, SSD-C64MI-3012 (or equivalent)—available from Silicon Systems, Inc. It is also available from CareFusion as part number 10012641.
- CF card reader
- #1 Phillips head screwdriver

Warning and Caution Definitions

A **WARNING** is an alert to a potential hazard which could result in serious personal injury and/or product damage if proper procedures are not followed.

A **CAUTION** is an alert to a potential hazard which could result in minor personal injury and/or product damage if proper procedures are not followed.

Defined Terms

The following table identifies the defined terms used throughout this document for certain trademarked products and product features.

Product/Feature	Defined Term
Alaris® PC unit	PC Unit
Alaris® System Maintenance	System Maintenance
Guardrails® alert	Alert
Guardrails® CQI Reporter	CQI Reporter
Guardrails® data set	Data Set
Guardrails® Point-Of-Care software	Point-of-Care Software

Identify Software Version

1. Power on PC Unit in normal mode (see "Power-On Modes," page 4).
2. Respond to all prompts. Press **Yes** soft key at **NEW PATIENT?** screen, **Yes** soft key at profile screen, and **EXIT** key at Patient ID screen.
3. Press **OPTIONS** key.
4. Press **PAGE DOWN** soft key.
5. Press **Software Versions** soft key.
6. Press **PCU View** soft key. Software and firmware versions are displayed.
7. Open **version.rtf** file on v9.5.x Point-of-Care Software CD.

Identify Software Version (Continued)

- Compare (and write down) software/firmware versions displayed on PC Unit with corresponding PC Unit and module versions listed in **version.rtf** file.

NOTE: The version for the Wireless Main is not listed in the version.rtf files. The Wireless Main version is v9.5.32.

Model 8000

Displayed on PC Unit	Listed in version.rtf file
Main Processor	Alaris® PC Unit model 8000 Field Upgrade / MFG

Model 8015

Displayed on PC Unit	Listed in version.rtf file
Main Processor	Alaris® PC Unit model 8015 Field Upgrade

Power-On Modes

The upgrade instructions identify which of the power-on modes should be used to power on the PC Unit. The mode to be used depends on what needs to be accomplished in each upgrade procedure.

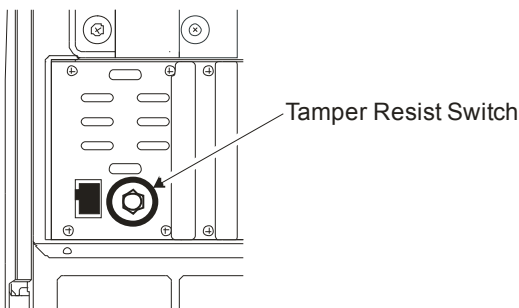
- Normal mode**

This mode is useful for basic operation, such as starting infusions and viewing loaded data. Press the **SYSTEM ON** key to power on in normal mode.

- Maintenance mode**

This mode is useful for various maintenance operations, such as running preventive maintenance, upgrading the PC Unit main processor code, transferring network parameter settings, hardwired transferring of Data Sets, and downloading of logs.

- While holding down tamper resist switch on back of PC Unit, press **SYSTEM ON** key.



PC Unit (partial view of back)

- Continue to hold down tamper resist switch until **Maintenance Mode** screen appears.

- **System configuration mode**

This mode is useful for operations such as verifying and changing the system's default configuration settings—settings in effect when no Data Set is loaded or when profiles are disabled.

1. While holding down **OPTIONS** key, press and release **SYSTEM ON** key.
2. When PC Unit beeps, release **OPTIONS** key.

- **Flash mode**

Model 8000: This mode is used by the System Maintenance software to change the main processor code (refer to v9.5.x System Maintenance software user manual, Flash Firmware chapter, for instructions on how to flash the firmware).

Model 8015: This mode is used in conjunction with the CF card to change the main processor code.

Model 8000 Software Upgrade

WARNING

Never upgrade the software while the PC Unit is connected to the patient.

CAUTION

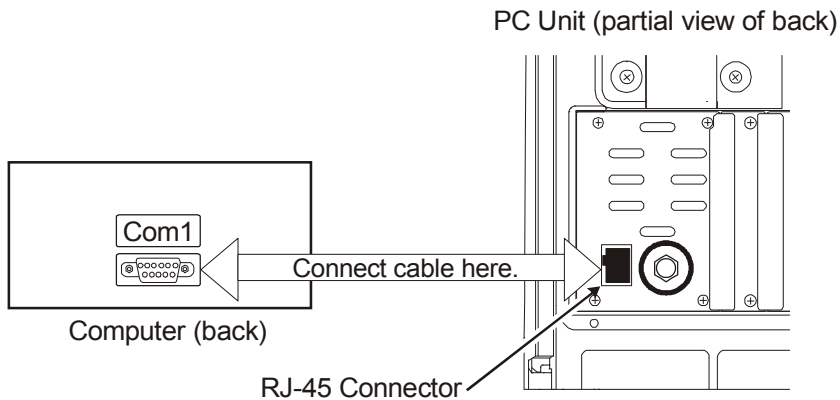
Upgrading the software erases CQI information on the PC Unit. Before starting the upgrade process, it is highly recommended to download the Alert logs, using the download tool that is part of the System Maintenance software or CQI Reporter. The software used to download the Alert logs must be compatible with the PC Unit version.

Task 1: Flash PC Unit

CAUTION

Battery failure during the flash process can leave the CI Board in an unknown state. It is highly recommended that the PC Unit be connected to AC power during the flash process.

1. Plug PC Unit into AC power.
2. Verify software version needs to be upgraded (see "Identify Software Version," page 3).
3. Remove rubber plug from RJ-45 connector on PC Unit.
4. Connect serial cable between RJ-45 connector and Com port on personal computer.



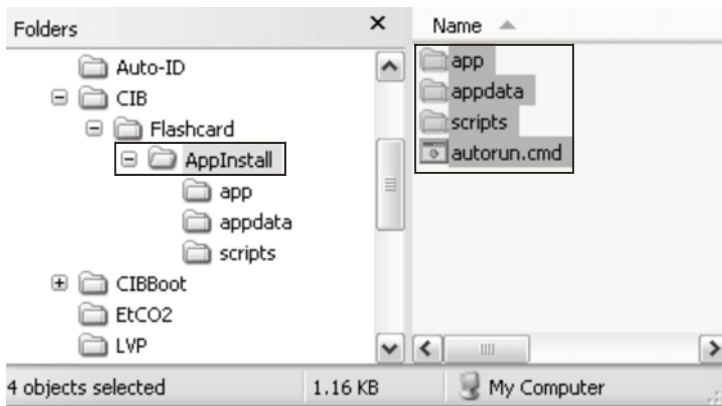
5. Start System Maintenance software and follow instructions in Flash Firmware chapter of v9.5.x System Maintenance software user manual.
6. Power off PC Unit and unplug PC Unit from AC power.
7. Disconnect serial cable from PC Unit and insert rubber plug in RJ-45 connector.

Model 8000 Software Upgrade (Continued)

Task 2: CI Board Application Code Update

If the PC Unit has a CI Board, perform the following steps to update the CI Board application code to the appropriate version.

1. Label one FAT16-formatted CF card as "8000 App."
2. Connect CF card reader to computer.
3. Insert CF card labeled "8000 App" into CF card reader and delete any existing contents on card.
4. Using Windows Explorer, locate **AppInstall** folder on v9.5.x Point-of-Care Software CD (path: **\CIB\Flashcard\AppInstall**).
5. Copy **AppInstall** folder contents (not folder itself) to CF card. When complete, CF card should contain three folders and **autorun.cmd** file.

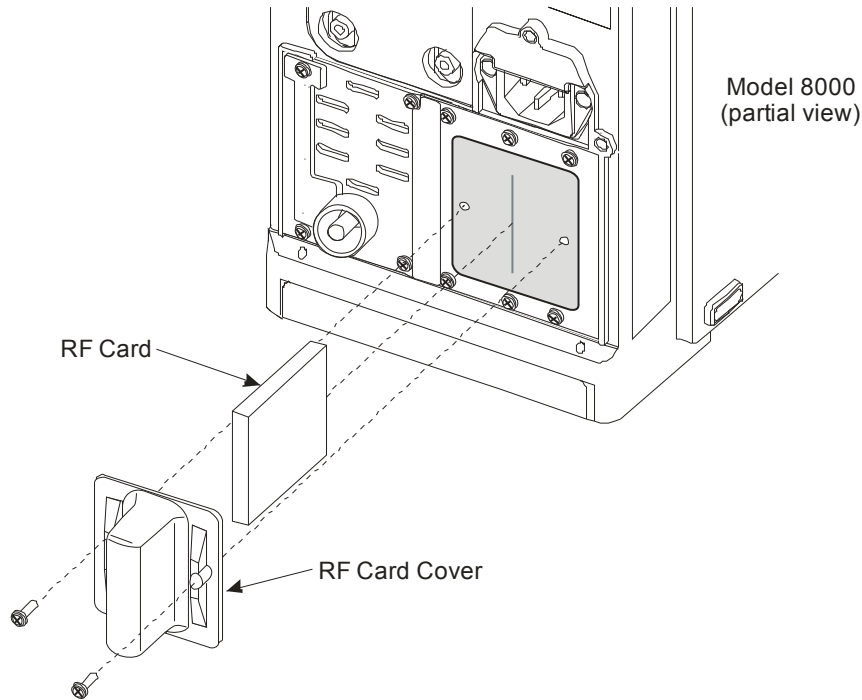


6. Remove RF card cover.
 - If RF card is being upgraded to an IEEE 802.11a/b/g RF card, retain RF card cover for possible future use. Retain screws for use when installing new cover.

Model 8000 Software Upgrade (Continued)

Task 2: CI Board Application Code Update (Continued)

- If RF card is not being upgraded, retain RF card cover and screws for use when reinstalling cover.



7. Remove RF card.

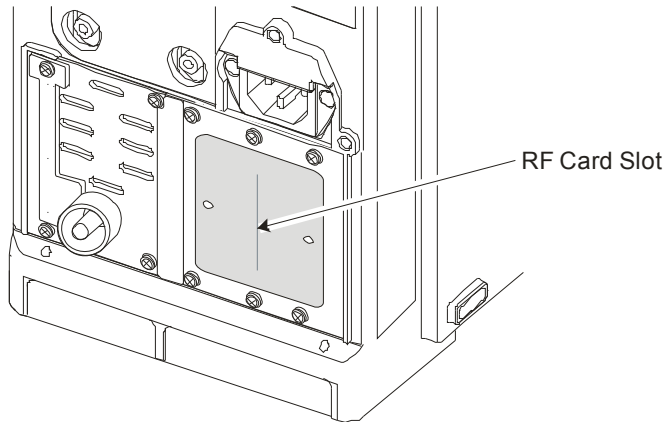
- If RF card is being upgraded to an IEEE 802.11a/b/g RF card, retain RF card for possible future use.
- If RF card is not being upgraded, retain it for reinstallation later in this procedure.

Model 8000 Software Upgrade (Continued)

Task 2: CI Board Application Code Update (Continued)

8. Insert CF card labeled "8000 App" into RF card slot.

The CF card can be inserted in only one direction—with label facing the center of the PC Unit. To avoid damaging the pins, do not force the CF card into the connector or to the left.



9. Plug PC Unit into AC power.

CAUTION

It is critical that the PC Unit be powered on in the maintenance mode. Powering on the PC Unit in the normal mode (not pressing tamper resist switch during power-on) can place the CI Board in an unknown state and might require repair.

10. Power on PC Unit in maintenance mode (see "Power-On Modes," page 4).
11. Press **PROCEED** soft key and start stopwatch (or timer device).
12. Wait at least five minutes before continuing with next step.
13. Power off PC Unit by pressing **EXIT** soft key.
14. When PC Unit is completely powered off, remove CF card labeled "8000 App."

Model 8000 Software Upgrade (Continued)

Task 2: CI Board Application Code Update (Continued)

CAUTION

- The following steps in this upgrade procedure are critical. An error can place the CI Board in an unknown state and might require repair.
 - It is critical that the PC Unit be powered on in the maintenance mode. Powering on the PC Unit in the normal mode (not pressing tamper resist switch during power-on) can place the CI Board in an unknown state and might require repair.
15. Power on PC Unit in maintenance mode (see "Power-On Modes," page 4).
 16. Press **PROCEED** soft key and start stopwatch (or timer device).
 17. Wait at least five minutes before continuing with next step.
 18. Power off PC Unit by pressing **EXIT** soft key.
 19. Unplug PC Unit from AC power.
 20. Insert RF card into RF card slot, with card's LEDs facing toward center of PC Unit.
 21. Install RF card cover.
 - If RF card was upgraded to an IEEE 802.11a/b/g RF card, use RF card cover provided with upgrade kit.
 - If RF card was not upgraded, reinstall same RF card cover that was originally used.
- IMPORTANT: Using the wrong RF card cover can result in a loose fit between the RF card and its cover, creating the potential for network communication errors if the RF card becomes loose.

Task 3a: Wireless Upgrade—Transfer Network Configuration/Data Set to Wireless PC Unit

1. Plug PC Unit into AC power.
2. Verify that PC Unit and CI Board are successfully upgraded (see "Identify Software Version," page 3).
3. Connect serial cable between computer and PC Unit.
4. Ensure that System Maintenance software recognizes computer's connection to PC Unit.
5. Run **Transfer Network Configuration (Silent)** task (refer to v9.5.x System Maintenance software user manual, Configure Components chapter, for details).
6. Power off PC Unit.
7. Disconnect serial cable from PC Unit.
8. Power on PC Unit in normal mode.
9. Respond to all prompts and press **Yes** soft key at **NEW PATIENT?** screen.

Model 8000 Software Upgrade (Continued)

Task 3a: Wireless Upgrade—Transfer Network Configuration/Data Set to Wireless PC Unit (Continued)

10. Verify that PC Unit connects to server (green light in lower-left corner of PC Unit keypad flashes as a Data Set is transferred).

NOTE: To be able to monitor the transferring Data Set, the PC Unit must be within the range of the network access point.

11. To display **Data Set Status** menu:
 - a. Press **OPTIONS** key.
 - b. Press **PAGE DOWN** soft key two times.
 - c. Press **Data Set Status** soft key.

System Options
Data Set Status Current: (none available)
Pending: Midtown Hospital Dataset ID: 83442BB-R Transferring ... Start: 2009-10-18 09:15

12. When new Data Set is visible and transfer is complete, power off PC Unit.

NOTES:

- The Data Set is visible in the **Pending** field of the **Data Set Status** menu.
- When the status changes from **Transferring ...** to **Not Activated**, the transfer is complete.

13. Power on PC Unit in normal mode.
14. Respond to all prompts and press **Yes** soft key at **NEW PATIENT?** screen.
15. Select a profile in new Data Set to verify that Data Set has successfully transferred.
16. Power off PC Unit. PC Unit is now successfully upgraded.

Task 3b: Non-Wireless Upgrade—Transfer Data Set to Non-Wireless PC Unit

1. Plug PC Unit into AC power.
2. Verify that PC Unit is successfully upgraded (see "Identify Software Version," page 3).
3. Connect serial cable between computer and PC Unit.
4. Ensure that System Maintenance software recognizes computer's connection to PC Unit.
5. Run **Transfer Data Set** task (refer to v9.5.x System Maintenance software user manual, Data Sets and Alerts chapter, for details).
6. When task has completed, power off PC Unit.
7. Disconnect serial cable from PC Unit.

Model 8000 Software Upgrade (Continued)

Task 3b: Non-Wireless Upgrade—Transfer Data Set to Non-Wireless PC Unit (Continued)

8. Power on PC Unit in normal mode.
9. Respond to all prompts and press **Yes** soft key at **NEW PATIENT?** screen.
10. Select a profile in new Data Set to verify that Data Set has successfully transferred.
11. Power off PC Unit. PC Unit is now successfully upgraded.

Model 8015 Software Upgrade

WARNING

Never upgrade the software while the PC Unit is connected to the patient.

CAUTION

Upgrading the software erases CQI information on the PC Unit. Before starting the upgrade process, it is highly recommended to download the Alert logs, using the download tool that is part of the System Maintenance software or CQI Reporter. The software used to download the Alert logs must be compatible with the PC Unit version.

Task 1: Flash PC Unit

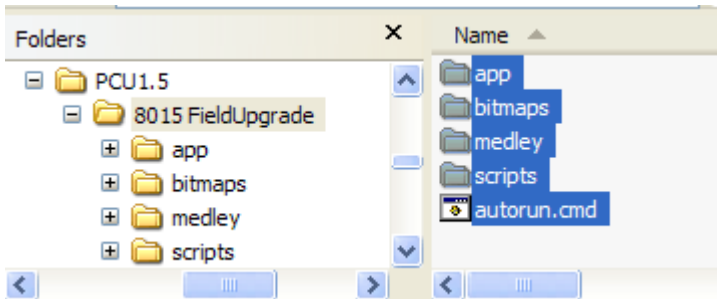
When upgrading to v9.5.x, the Preventive Maintenance (PM) reminder due date for the PC Unit will automatically reset to 12 months at the time of upgrade. The following procedure includes steps to retain the existing configured PM date.

1. To check for the configured PCU Maintenance Due date, perform the following steps:
 - a. Power on PC Unit in normal mode (see Power-on Modes,” page 4).
 - b. Respond to all prompts. Press **Yes** soft key at **NEW PATIENT?** screen, **Yes** soft key at profile screen and **Exit** key at Patient ID screen.
 - c. Press **Options** key.
 - d. Press **Page Down** soft key two times.
 - e. Press **Maintenance Due** soft key.
 - f. Record PCU Maintenance Due date.
2. Label FAT16-formatted CF card as “8015 App.”
3. Copy folder contents of v9.5.x Point-of-Care software CD to computer.
4. Connect CF card reader to computer.
5. Insert CF card labeled “8015 App” into CF card reader and delete any existing contents on card.

Model 8015 Software Upgrade (Continued)

Task 1: Flash PC Unit (Continued)

- Using Windows Explorer, locate **8015 FieldUpgrade** folder (path: **\PCU1.5\8015 FieldUpgrade**).
- Copy contents of **8015 FieldUpgrade** folder (not folder itself) to CF card labeled “8015 App.” When complete, CF card should contain four folders and an **autorun.cmd** file.

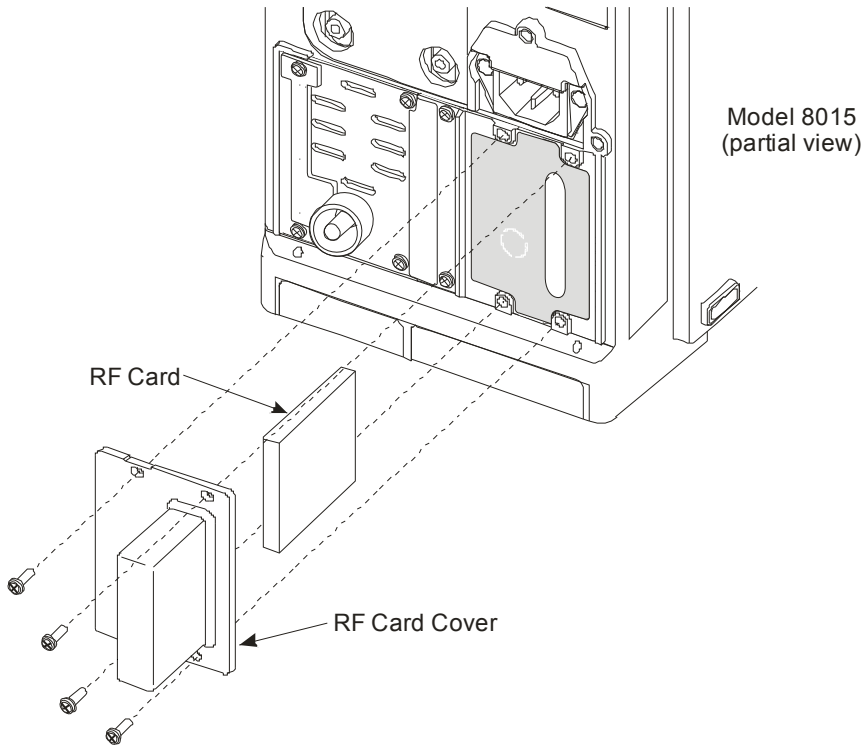


- Remove CF card labeled “8015 App” from CF card reader.
- Ensure that PC Unit is powered off and not plugged into AC power.
- Remove RF card cover.
 - If RF card is being upgraded to an IEEE 802.11a/b/g RF card, retain RF card cover for possible future use. Retain screws for use when installing new cover.

Model 8015 Software Upgrade (Continued)

Task 1: Flash PC Unit (Continued)

- If RF card is not being upgraded, retain RF card cover and screws for use when reinstalling cover.



11. Remove RF card.

- If RF card is being upgraded to an IEEE 802.11a/b/g RF card, retain RF card for possible future use.
- If RF card is not being upgraded, retain it for reinstallation later in this procedure.

12. Insert CF card labeled “8015 App” into RF card slot.

The CF card can be inserted in only one direction—with label facing away from the center of the PC Unit. To avoid damaging the pins, do not force the CF card into the connector.

13. Plug PC Unit into AC power.

14. Power on PC Unit by pressing **System On** key. PC Unit displays installation status on main screen and powers off when complete.

15. Remove CF card labeled “8015 App” from PC Unit.

16. Power on PC Unit in normal mode.

17. Respond to all prompts and press **Yes** soft key at **NEW PATIENT?** screen.

18. Verify that PC Unit is successfully upgraded (see “Identify Software Version,” page 3).

19. Perform the following steps to adjust the PM due date from the default 12 months, if desired:

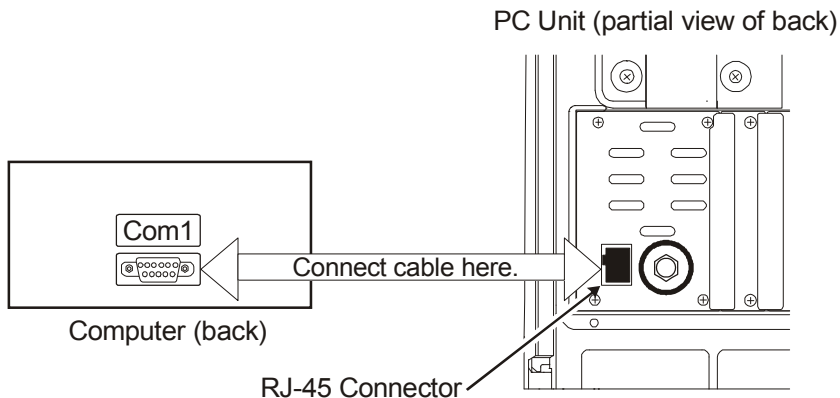
Model 8015 Software Upgrade (Continued)

Task 1: Flash PC Unit (Continued)

- a. Connect PC Unit to v9.5.x Alaris System Maintenance software.
 - b. Add **Set PM Reminder Date** to the current task list by following instructions from the Edit Task List section of the v9.5.x Alaris System Maintenance User Manual.
 - c. Click **Start Selected Tasks**.
 - d. Perform **Set PM Reminder Date** task and set to desired date.
 - e. Click **Finish**.
 - f. Disconnect PC Unit from v9.5.x Alaris System Maintenance software.
20. Power off PC Unit and unplug from AC power.
21. Insert RF card into RF card slot, with card's LEDs facing away from center of PC Unit.
22. Install RF card cover.
- If RF card was upgraded to an IEEE 802.11a/b/g RF card, use RF card cover provided with upgrade kit.
 - If RF card was not upgraded, reinstall same RF card cover that was originally used.
- IMPORTANT: Using the wrong RF card cover can result in a loose fit between the RF card and its cover, creating the potential for network communication errors if the RF card becomes loose.

Task 2a: Wireless Upgrade—Transfer Network Configuration/Data Set to Wireless PC Unit

1. Plug PC Unit into AC power.
2. Verify that PC Unit is successfully upgraded (see "Identify Software Version," page 3).
3. Remove rubber plug from RJ-45 connector on PC Unit.
4. Connect serial cable between RJ-45 connector and Com port on personal computer.



5. Ensure that System Maintenance software recognizes computer's connection to PC Unit.
6. Run **Transfer Network Configuration (Silent)** task (refer to v9.5.x System Maintenance software user manual, Configure Components chapter, for details).

7. Power off PC Unit.

Model 8015 Software Upgrade (Continued)

Task 2a: Wireless Upgrade—Transfer Network Configuration/Data Set to Wireless PC Unit (Continued)

8. Disconnect serial cable from PC Unit and insert rubber plug in RJ-45 connector.
9. Power on PC Unit in normal mode.
10. Respond to all prompts and press **Yes** soft key at **NEW PATIENT?** screen.
11. Verify that PC Unit connects to server (green light in lower-left corner of PC Unit keypad flashes as a Data Set is transferred).

NOTE: To be able to monitor the transferring Data Set, the PC Unit must be within the range of the network access point.

12. To display **Data Set Status** menu:
 - a. Press **OPTIONS** key.
 - b. Press **PAGE DOWN** soft key two times.
 - c. Press **Data Set Status** soft key.

System Options
Data Set Status Current: (none available)
Pending: Midtown Hospital Dataset ID: 83442BB-R Transferring... Start: 2009-10-18 09:15

13. When new Data Set is visible and transfer is complete, power off PC Unit.

NOTES:

- The Data Set is visible in the **Pending** field of the **Data Set Status** menu.
- When the status changes from **Transferring ...** to **Not Activated**, the transfer is complete.

14. Power on PC Unit in normal mode.
15. Respond to all prompts and press **Yes** soft key at **NEW PATIENT?** screen.
16. Select a profile in new Data Set to verify that Data Set has successfully transferred.
17. Power off PC Unit. PC Unit is now successfully upgraded.

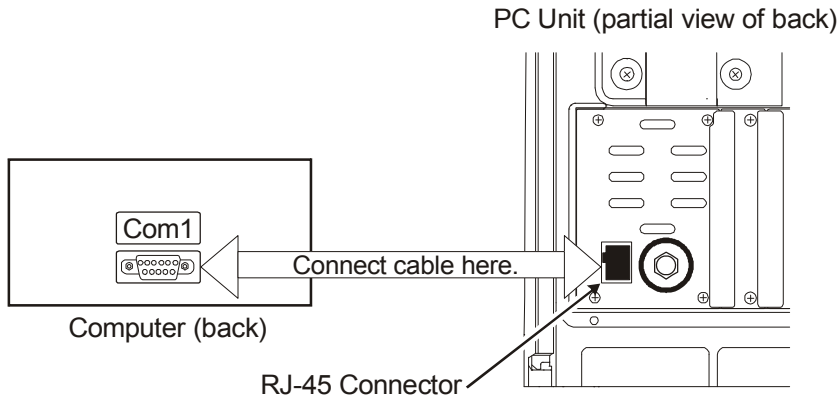
Task 2b: Non-Wireless Upgrade—Transfer Data Set to Non-Wireless PC Unit

1. Plug PC Unit into AC power.
2. Verify that PC Unit is successfully upgraded (see "Identify Software Version," page 3).
3. Remove rubber plug from RJ-45 connector on PC Unit.

Model 8015 Software Upgrade (Continued)

Task 2b: Non-Wireless Upgrade—Transfer Data Set to Non-Wireless PC Unit (Continued)

4. Connect serial cable between computer and PC Unit.



5. Ensure that System Maintenance software recognizes computer's connection to PC Unit.
6. Run **Transfer Data Set** task (refer to v9.5.x System Maintenance software user manual, Data Sets and Alerts chapter, for details).
7. When task has completed, power off PC Unit.
8. Disconnect serial cable from PC Unit and insert rubber plug in RJ-45 connector.
9. Power on PC Unit in normal mode.
10. Respond to all prompts and press **Yes** soft key at **NEW PATIENT?** screen.
11. Select a profile in new Data Set to verify that Data Set has successfully transferred.
12. Power off PC Unit. PC Unit is now successfully upgraded.
13. To avoid encountering Network Comm Errors in a non-wireless environment, disable wireless feature on PC Unit (refer to v9.5.x System Maintenance software user manual, Configure Components chapter).

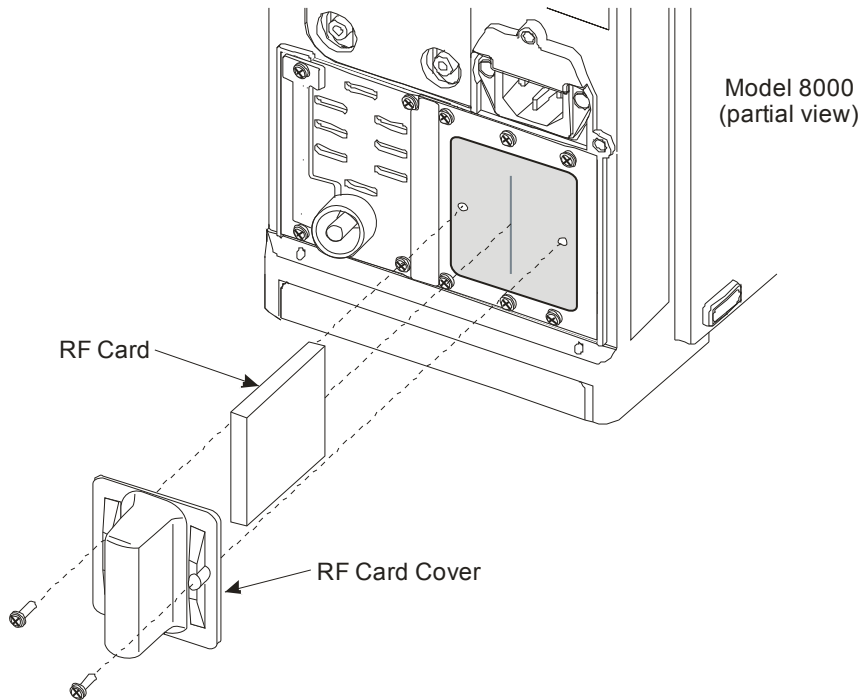
RF Card Upgrade to IEEE 802.11a/b/g—Models 8000 and 8015

CAUTION

To ensure proper fit and performance, use the cover or cover assembly that accompanied the RF card at the time of purchase. There are multiple RF card covers (with or without foam) available to accommodate the various RF cards.

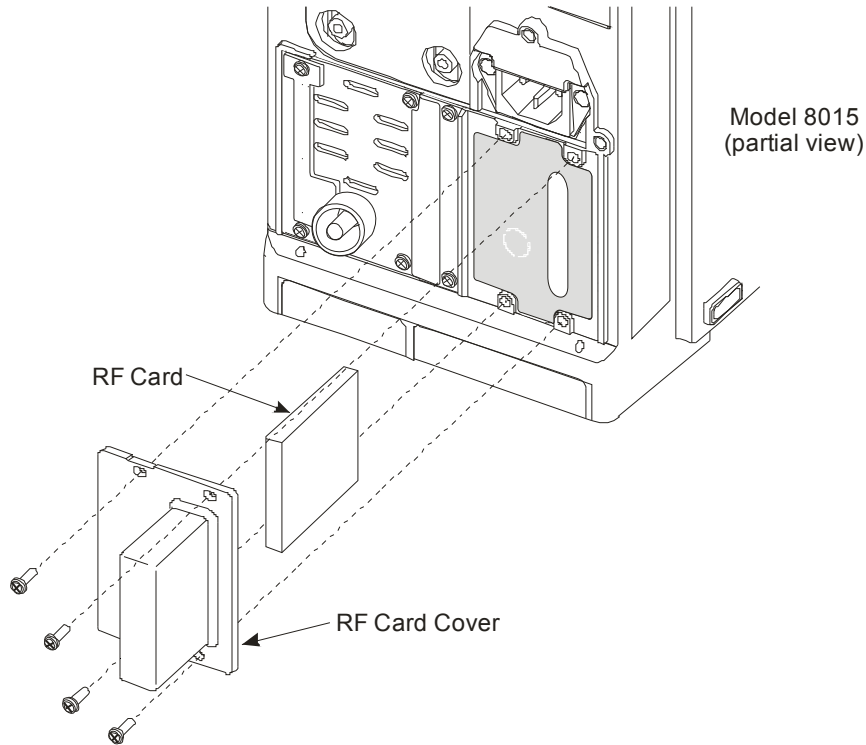
1. Identify software version to determine if it needs to be upgraded (see "Identify Software Version," page 3).
 - If PC Unit software is not v9.5.x or later, perform applicable software upgrade and then continue with this upgrade, beginning at step 7 (see "Model 8000 Software Upgrade," page 6, or "Model 8015 Software Upgrade," page 12).
 - If PC Unit software is v9.5.x or later, continue with next step.
2. Power off PC Unit.
3. Remove RF card cover.
 - Retain screws for use when installing new cover.
 - Retain RF card cover for possible future use.

Model 8000:



RF Card Upgrade to IEEE 802.11a/b/g—Models 8000 and 8015 (Continued)

Model 8015:



4. Remove RF card and retain for possible future use.
5. Insert IEEE 802.11a/b/g RF card (provided in upgrade kit) into RF card slot.
 - Model 8000: Insert card with LED facing center of PC Unit.
 - Model 8015: Insert card with LED facing away from center of PC Unit.
6. Install RF card cover (provided in upgrade kit).

IMPORTANT: Do not reuse the RF card cover removed in step 3. Using the wrong cover can result in a loose fit between the RF card and its cover, creating the potential for network communication errors if the RF card becomes loose.

7. Ensure PC Unit is plugged into AC power.
8. Power on PC Unit.
9. Verify that wireless PC Unit connects to network.
 - a. Place PC Unit in an area with an active wireless network.
 - b. Press **OPTIONS** key.
 - c. Press **PAGE DOWN** soft key two times.
 - d. Press **Network Status** soft key.
 - e. Enter password **32221** and press **CONFIRM** soft key.

RF Card Upgrade to IEEE 802.11a/b/g—Models 8000 and 8015 (Continued)

- f. Press **Server Status** soft key.
 - g. Verify that "Server Connected" is displayed—might take up to 16 minutes.
10. Power off PC Unit. RF card is now successfully upgraded.

Troubleshooting

Contact CareFusion Technical Support (see "Technical Inquiries," page 1 footer) if:

- A failure occurs that is not identified in the following tables.
- The failure cannot be corrected after performing the instructions in the following tables.

Model 8000	
Failure	Response
No sign of wireless main software version during upgrade procedure.	<ol style="list-style-type: none"> 1. Leave PC Unit powered on for at least five minutes and check software version again (see "Identify Software Version," page 3). If failure persists or error 600.6855 appears, continue with next step. 2. Reformat CF card into FAT format and repeat "Task 2: CI Board Application Code Update." 3. If wireless main is not displayed, power on PC Unit in maintenance mode and leave on for at least 30 minutes. 4. Power PC Unit off and then on. 5. If wireless main is still not displayed, return PC Unit to CareFusion for repair.
Error 600.5015—Incorrect Version Number.	<p>Determine which upgrade step failed (see "Identify Software Version," page 3).</p> <ul style="list-style-type: none"> • If PC Unit (main processor) upgrade failed, repeat PC Unit software upgrade. • If wireless main upgrade failed, reformat CF card into FAT format and repeat "Task 2: CI Board Application Code Update."

Troubleshooting (Continued)

Models 8000 and 8015	
Failure	Response
An error occurred during execution of Transfer Network Configuration (Silent) task.	<p>Verify that PC Unit (main processor)—and wireless main, if applicable—were successfully upgraded (see "Identify Software Version," page 3).</p> <ul style="list-style-type: none"> • If upgrade failed, repeat PC Unit software upgrade. • If upgrade was successful, refer to v9.5.x System Maintenance software user manual for "Transfer Network Configuration—Error Handling" information.
Error 600.6835 (Model 8000) or 600.6836 (Model 8015)—Invalid Network Configuration. (wireless environment)	<ol style="list-style-type: none"> 1. Connect PC Unit to System Maintenance software and repeat Transfer Network Configuration (Silent) task. 2. If Transfer Network Configuration (Silent) task fails, refer to v9.5.x System Maintenance software user manual for "Transfer Network Configuration—Error Handling" information. 3. If error persists, return PC Unit to CareFusion for repair.
Error 600.6835 (Model 8000) or 600.6836 (Model 8015)—Invalid Network Configuration. (non-wireless environment)	<p>Disable wireless feature on PC Unit (refer to v9.5.x System Maintenance software user manual, Configure Components chapter, for instructions).</p>
Error 100.6130—System Configuration Data Integrity.	<p>Reset PC Unit System Configuration settings:</p> <ol style="list-style-type: none"> 1. While holding down OPTIONS key, press SYSTEM ON key. 2. When PC Unit beeps, release OPTIONS key. 3. At System Configuration screen, press PC Unit soft key. 4. Press Factory Default soft key. 5. Press Yes soft key. 6. Press EXIT soft key. 7. Power on PC Unit again.
System error 39-16-408, error 39-16-411, or error 39-16-415 during a PC Unit upgrade from Point-of-Care software version 9.1.14 to Version 9.5.x.	<ol style="list-style-type: none"> 1. Flash PC Unit from version 9.5.x to version 9.1.14 by following the steps in the Alaris[®] PC Unit Software and Radio Frequency Card Downgrade Instructions and by following the steps in the Flash Firmware chapter of the Alaris[®] System Maintenance v9.5.x Software User Manual. 2. Turn PC Unit on in normal operational mode. 3. Re-flash PC Unit software from version 9.1.14 to version 9.5.x by following the steps in this Alaris[®] PC Unit Software and Radio Frequency Card Upgrade Instructions and by following the steps in the Flash Firmware chapter of the Alaris[®] System

PC Unit Software and RF Card Upgrade

Models 8000 and 8015	
Failure	Response
	<p>Maintenance v9.5.x Software User Manual.</p> <ol style="list-style-type: none">4. Complete the seven response steps as listed in this troubleshooting section for Error 100.6130.5. Procedure is complete. Power up PC Unit in normal mode and PC Unit is upgraded to v9.5.x.

Models 8000 and 8015	
Failure	Response
<p>Data Set does not transfer wirelessly.</p> <p style="text-align: center;"><u>or</u></p> <p>No wireless connection is detected.</p>	<ol style="list-style-type: none"> 1. Verify network connectivity: <ol style="list-style-type: none"> a. Press OPTIONS key. b. Press PAGE DOWN soft key two times. c. Press Network Status soft key. d. Enter Network Status Access Key (32221) and press CONFIRM soft key. e. If Status reads: <ul style="list-style-type: none"> • ASSOCIATED—Ensure that wireless PC Unit is in an area with good wireless coverage. Link Quality and Signal Strength both need to be above 20%. • SCANNING or ASSOCIATING—Contact applicable hospital/facility support group to verify that PC Unit is in an area that has wireless coverage and that the correct SSID is being used. Because the system supports up to eight profiles, it might take as long as 16 minutes to obtain a network connection. • AUTHENTICATING—Contact applicable hospital/facility support group. • INVALID CONFIG—RF card being used does not support wireless features contained in transferred network configuration. Refer to v9.5.x Alaris System Maintenance software user manual for "Transfer Network Configuration—Error Handling" information. • DISABLED—Ensure that RF card is properly fitted inside PC Unit and that correct RF card cover is being used. 2. Verify server connectivity: <ol style="list-style-type: none"> a. From Network Status screen, press SERVER STATUS soft key. b. If Status reads: <ul style="list-style-type: none"> • CONNECTED—Leave PC Unit power on for at least 24 hours and then recheck Data Set status (see Wireless Upgrade procedure, step 12). • CONNECTING—Contact applicable hospital/facility support group to verify network is functional. If network is not functional, contact applicable hospital/facility group to verify that Network Configuration settings are correct.