

# Firmware Conversion from Ramsan to FlashSystem.

## Abstract:

Step-by-step description of how to convert from Ramsan firmware to FlashSystem firmware.

## Description:

TMS/Ramsan boxes have a legal requirement to accept a new Software license agreement to move to FlashSystem Firmware. It really is a matter of accepting delivery of license agreement, then sign and return one sheet.

## Reasons to update code to IBM FlashSystem Firmware:

1. Latest functionality available.
2. Performance enhancements
3. Latest error recover, and fix level.
4. Future code releases
4. Call Home function.

If problem should occur:

- a. Box can email a request for support services.
- b. Problem analyzed by Service Machine, If error message determined to be significant a PMH (Problem Record) is opened.
- c. Bypassing entitlement phase, enabling faster response.
- d. Provide support Center Representative a starting point for analysis.

## Firmware Level Recommendations:

Please Check Release Notes and/or Readme file for latest recommendations.

For Ramsan boxes, we recommend SP1 patch 5 level (6.5.1\_p9, Or 6.3.1\_p5) or higher as stated in Release notes. There are 2 know issues with specific Ramsan models at SP1 level.

## Installation Instructions

How to update Firmware Levels on Ramsan Storage:

1. This is the starting point. Documentation, instruction, and assistance have all been relocated to this single point of access to streamline the operation.
2. Download applicable licenses for conversion of Ramsan firmware to IBM firmware.
3. Click and Download to accept 3 licenses for Ramsan X10 boxes 710/810:

[710-810\\_Non\\_IBM\\_Licenses](#)

[Supplemental\\_Licenses](#)

[License Agreement for Machine Code](#)

Then please download, and sign this one page, and return in step 5.

[SoBW\\_cover\\_memo\\_710-810..Please Sign..](#)

Click and Download to accept 3 licenses for Ramsan X20 boxes 720/820:

[720-820 Non IBM Licenses](#)

[Supplemental Licenses](#)

[License Agreement for Machine Code](#)

Then please download, and sign this one page, and return in step 5.

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4. Once sheet is completed , open a Problem record with IBM at the IBM Hardware Support Center servicing your area: <http://www.ibm.com/planetwide/>

Use the following Machine Type and Serial number designation:

RamSan Machine type/serial ==> IBM Machine Type/ Model Serial Number

RamSan 710 P-B00A                    9833 AS1 00PB00A

RamSan 810 P-B00A                    9833 AE1 00PB00A

RamSan 720 P-B00A                    9834 AS2 00PB00A

RamSan 820 P-B00A                    9834 AE2 00PB00A

Note: 00PB00A is an example. fill in with your TMS serial number like P-B00A

5. Email [hw\\_support@ecurep.ibm.com](mailto:hw_support@ecurep.ibm.com) Include PMH XXXXX,XXX,XXX number acquired in step 4 in the subject line and attach the SoBW Cover Memo from step 3 and a generated SystemReport.

6. Once both reports are received at [hw\\_support@ecurep.ibm.com](mailto:hw_support@ecurep.ibm.com) , IBM support will review the reports, and verify the correct Firmware to be installed on your Ramsan for optimal performance.

## **Download Package**

Click on your current TMS/Ramsan machine type

[Ramsan 710 to 9833 AS1](#)

[Ramsan 810 to 9833 AE1](#)

[Ramsan 720 to 9834 AS2](#)

[Ramsan 820 to 9834 AE2](#)