



Restoring a 6200 Device After Downgrading to an Unsupported Software Version

Overview

6200 devices shipped with Software Version 1.5.1.7 **cannot be downgraded** to a previous software version. These devices require a minimum S/W version of 1.5.1.7 as indicated on the warning label affixed to the device. If a user does downgrade to a previous S/W version, the device will not operate. However, a user can recover from this “fatal error”, on site by interrupting the boot process to change the “Inactive” 1.5.1.7 image to “Active” status. Follow the steps beginning on the next page to recover from this error.

As shown below, the boot process will fail when a user attempts to downgrade these devices. In the example below, the user attempted to install S/W version 1.5.0.93 (shown in bold).

```

BOOT Software Version 1.0.0.12 Built 19-Oct-2006 09:07:37
OS6200 board, based on PPC8247

128 MByte SDRAM. I-Cache 16 KB. D-Cache 16 KB. Cache Enabled.

Autoboot in 2 seconds - press RETURN or Esc. to abort and enter prom.

Preparing to decompress...

100%

Decompressing SW from image-2

100%

OK

Running from RAM...

*****
*** Running SW Ver. 1.5.0.93 Date 15-Jun-2007 Time 12:08:50 ***
*****

HW version is 00.00.01

Base Mac address is: 00:12:cf:93:15:60

Dram size is : 128M bytes

Dram first block size is : 98304K bytes

Dram first PTR is : 0x2000000

Flash size is: 16M

01-Jan-2000 01:01:05 %CDB-I-LOADCONFIG: Loading running configuration.

01-Jan-2000 01:01:05 %CDB-I-LOADCONFIG: Loading startup configuration.

```

```
01-Jan-2000 01:01:07 %ERHG-F-SEND: BOXP_perform_smi_scan_of_devices_in_slot: inv
alid device type is found: -741142101 on device 0
***** FATAL ERROR *****
Reporting Task: ROOT.
Software Version: 1.5.0.93 (date 15-Jun-2007 time 12:08:50)
0xb5fec
0x415e30
0x2a4108
0x2a45c4
Boot1 Checksum Test.....PASS
Boot2 Checksum Test.....PASS
Flash Image Validation Test.....PASS
BOOT Software Version 1.0.0.12 Built 19-Oct-2006 09:07:37
OS6200 board, based on PPC8247
128 MByte SDRAM. I-Cache 16 KB. D-Cache 16 KB. Cache Enabled.
Autoboot in 2 seconds - press RETURN or Esc. to abort and enter prom.-----
```

1 Press **ESC** to interrupt the boot process. The following menu will appear:

```
Startup Menu
[1] Download Software
[2] Erase Flash File
[3] Password Recovery Procedure
[4] Enter Diagnostic Mode
[5] Set Terminal Baud-Rate
[6] Stack menu
[7] Back
Enter your choice or press 'ESC' to exit:-----
```

2 Press **CTRL+SHIFT+6** to access the Advanced Menu.

```
Advanced menu activated.
==== Press Enter To Continue ====
```

3 Press **Enter**.

Startup Menu

- [1] Download Software
- [2] Erase Flash File
- [3] Password Recovery Procedure
- [4] Enter Diagnostic Mode
- [5] Set Terminal Baud-Rate
- [6] Stack menu
- [7] Advanced menu
- [8] Back

Enter your choice or press 'ESC' to exit:-----

4 Press 7 to bring up the Advanced Menu.

Advanced menu

- [1] Stacking port menu
- [2] Erase Flash Sectors
- [3] Image menu
- [4] MAC and Board Info menu
- [5] MFG mode menu
- [6] Debug mode menu
- [7] Back

Enter your choice or press 'ESC' to exit:-----

5 Press 3 to bring up the Image Menu.

Image menu

- [1] Show current image
- [2] Set current image
- [3] Back

Enter your choice or press 'ESC' to exit:-----

6 Press 2.

image-1 is active.

Insert new image index [0,33]:0-----

7 Press 0 to activate the previous image (1.5.1.7).

==== Press Enter To Continue ====

8 Press Enter.

Image menu

[1] Show current image

[2] Set current image

[3] Back

Enter your choice or press 'ESC' to exit:-----

- 9** Press **ESC** to exit. The device will reboot. As the device reboots you can see that the correct S/W version is running (as shown in bold below).

-> reload

Boot1 Checksum Test.....PASS

Boot2 Checksum Test.....PASS

Flash Image Validation Test.....PASS

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OS6200 board, based on PPC8247

128 MByte SDRAM. I-Cache 16 KB. D-Cache 16 KB. Cache Enabled.

Autoboot in 2 seconds - press RETURN or Esc. to abort and enter prom.

Preparing to decompress...

100%

Decompressing SW from image-1

100%

OK

Running from RAM...

*** Running SW **Ver. 1.5.1.7** Date 26-Feb-2008 Time 17:04:09 ***

The process will continue until the reboot is complete.



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