

Software Upgrade Procedure – V5.40

This procedure pertains to the following software:

- MVS-8000/SF/A/ASF software
- DVS-9000/SF software
- MVE-9000 software
- MKS-8010/CCP-9000 software
- MKS-8010A/CCP-9000A software

1. Procedure of Version Upgrading

Note: **Never turn off the power while the version upgrade is in progress unless otherwise specified.** Pay attention particularly when the software installation is in progress. If the power is turned off during the installation, the equipment may not start up. In this case a procedure for Factory Reset must be performed. Please refer to section 4 “All Clear of the Switcher using the DIP Switch”, of this document.

1.1 Save the User Setup Data of the Switcher System

Save the User Setup data of the switcher system by using the procedure described below.

- (1) Press the following buttons in the order shown: ENG SETUP > System > Start Up to open the Start Up menu (Page 7314).
- (2) Select PNL1. Set the Start Up Mode to [Custom], and set the Setup and the Initial Status to [User].
- (3) Establish the same setting as described above for SWR1 and DME1.
- (4) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation.
- (5) Press the [Setup Define] button and the [Init Status Define] button in menu (page 7314).

Then SAVE data to the Hard Drive. It is also recommended to SAVE data to an external Memory Device.

- (6) Insert a memory card into the corresponding slot on the Control Panel.
- (7) Select menu 7317 and press the Refresh button. When the device shows up in the table then highlight it and select Primary.
- (8) Press the [File] button, and then press the [Configure] button in the left column at the bottom. Or go to Menu 7171.
- (9) Press the HDD or Memory Device button above the table so that it displays Memory Card. Then at the bottom of the Menu select [New]. A keyboard window will appear. Create a name for a Folder to save the files and select ENTER on the keyboard.
- (10) Press the [File] button, [All] button and [External File] button in this order or go to Menu 7161.

- (11) Select [Memory Card] as the destination Device of Save, and select the FOLDER in which to save the files.
- (12) Select [ALL Select] and be sure all categories in the Category box are highlighted orange. This will save all data for all categories except Frame Memory. In order to save Frame Memory's go to item (14) below.
- (13) Press the [Save] button, and then press "Yes" in reply to the message prompting your confirmation.
- (14) In order to save Frame Memory files Press the [File] button, [Frame Memory] button in this order or go to Menu 7151. Select [All] under one of the tables, this will highlight all Files, or select the Frame Memories you want to save.
- (15) Select the [Save] button, and then press "yes" in reply to the message prompting your confirmation.
- (16) When saving is complete, remove the memory card.

* There can be a case that the flash memory card cannot be recognized so that an error is issued after the above step (13) is executed. In such a case, open the Maintenance page by clicking ENG SETUP > System > Maintenance in this order. Then press the [Refresh] button and select the recognized memory card. Finally press the [Set Primary] button. Upon completion of these steps, repeat the above steps starting from step (8). If a flash memory card cannot be recognized in the procedures shown below, try this-described procedure whenever needed.

1.2 Save the Setup Data and Initialize Data of BZS-8050 (Plug In Editor Option Only)

When user wants to use the BZS-8050 setup of the previous version even after version upgrade, save the BZS-8050 Setup Data and the Initialize Data before upgrading the software version. However, the software before BZS-8050 V1.10 does not contain the function of saving the data. In such a case, take note of the setup values, and re-set them after the new version software is installed.

- (1) If you want to save the data in any devices other than an HDD, insert a memory card into the corresponding slot on the Control Panel.
- (2) Press the keys in the order of SETUP > F8:HNDL FILE > F3:SAVE(HDD) or F4:SAVE(USB).
If you want to save the data in any devices other than an HDD, press F4: SAVE (USB) and then select a desired device on a screen, and press the ENTER key.
- (3) Then, a list of directories is displayed. Then select a directory that you want to save the data, and press the ENTER key.
If the specified directory does not exist, or if you want to create a new directory and want to save the data in a new directory, press the F1: NEW DIR key and enter the name. Then press the ENTER key and select a created directory.
- (4) When a filename is entered and the ENTER key is pressed, the Setup Data are saved in the specified file. If you want to save the data by overwriting an existing file, select the desired file and press the ENTER key twice.
- (5) Press the keys in the order of INIT > F8: HNDL FILE > F3: SAVE (HDD) or F4: SAVE (USB).

Save the Initialize data by referring to steps (2), (3) and (4).

1.3 Installing the Menu Software, and Re-Setting the Network Configuration

- (1) Insert a compact flash memory card in which the application software is copied, into the memory card adaptor.
- (2) Select menu 7317 and press the Refresh button. When the device shows up in the table then highlight it and select Primary.
- (3) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (4) Press the [Install] button to show the equipment list and list of software that can be installed. Then, select Menu from the equipment list. Move the cursor to the software file that you want to install among the following two types of software in accordance with the type of Panel that is the target of version upgrade, and press the [Set] button to turn it ON.
 - To update the MKS-8010/CCP-9000 to V5.40: MENU CPU (for upgrade from V1.30 or higher)
 - To update the MKS-8010A/CCP-9000A to V5.40: MENU CPU MKS8010A (for full install).
- (5) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation.
- (6) File transfer begins. If the message indicating completion of file transfer appears, press "OK".
- (7) Press the Page button in the top left of the menu screen to display the Menu number entry pop-up screen.
- (8) Enter "9999" to display the Engineering Menu.
- (9) Press the [Reboot Panel] button to reboot the control panel.

NOTE

If upgrading from below Version 5.10 then perform the following procedure next before going further:

- 1 - Repeat starting with (1) of section 1.3 above. However, when getting to Section (4) do the following:
 - 2 – (4) Press the [Install] button to show the equipment list and list of software that can be installed. Then, select Menu from the equipment list. Move the cursor to the software file that you want to install among the following two types of software in accordance with the type of Panel that is the target of version upgrade, and press the [Set] button to turn it ON.
 - To update the MKS-8010/CCP-9000 to V5.40: MENU CPU SYSTEM SOFTWARE (SystemUpdate)
 - To update the MKS-8010A/CCP-9000A to V5.40: MENU CPU MKS8010A SYSTEM (SystemUpdateA).
 - 3 – Proceed with section (5) to (9) of section 1.3. Then do the following:
 - (10) After the Menu Panel is booted, go to menu 9999 and confirm the following information is displayed above the table for the Linux Kernel.

For MKS-8010/CCP-9000: 2.4.20-mvs8000 #2 Tue Aug 30 20:27:54 JST 2005

For MKS-8010A/CCP-9000A: 2.4.20_n20-sony-mpu300 #1 Wed Jul 13 08:08:23 UTC

2005

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The version is the important part, so disregard the dates and time if they do not match.

* When installation of the required Menu software is complete, it may be necessary to execute the following operations if the Network Configuration had not been DEFINED previously.

- (1) When the menu is displayed again, press the following buttons in the order shown: ENG SETUP > System > Network Config to open the Network Config menu (Page 7311).
- (2) Press the [Auto Config] button, and then "Yes" in reply to a confirmation message.
- (3) Confirm that all of the equipment that are connected in this system are displayed on the menu. Then press the [Define] button.
- (4) When a message prompting your confirmation appears, press "Yes".

1.4 Installation of the Switcher Software and FPGA Data (for MVS-8000A/ASF)

- (1) Press the following buttons in the order shown: ENG SETUP > System > Start Up to open the Start Up menu (Page 7314).
- (2) Move the cursor to SWR and, press [Custom] of Start Up mode and press [Factory] of Setup, and then [Factory] of Status in this order.
- (3) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation. When the above operations are complete, set the Start Up Mode of Setup and that of Initial Status to "Factory".
- (4) Insert a compact flash memory card in which the application software is copied, into the memory card adaptor.
- (5) Select menu 7317 and press the Refresh button. When the device shows up in the table then highlight it and select Primary.
- (6) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (7) Press the [Install] button to show the equipment list and list of software that can be installed. Then, select SWR from the equipment list.
- (8) Move the cursor to the software file that you want to install among the following software in accordance with the type of software that is the target of version upgrade, and press the [Set] button to turn it ON. (The displayed list does not necessarily contain all models because the switcher models are identified and the installable software are filtered before display.)

Note: If the XPT-25 or CA-54A is used as the repair board for the MVS-8000/SF, select MVS-8000/SF Proc. With New 2nd [V5.31] (NO FPGA) as the file to install.

- When upgrading MVS-8000 to V5.40 : MVS8000 Proc. [V5.40] (for NO FPGA)
- When upgrading MVS-8000SF to V5.40: MVS8000SF Proc. [V5.40] (for NO FPGA)
- When upgrading MVS-8000A to V5.40: MVS8000A Proc. [V5.40] (for upgrade)
- When upgrading MVS-8000ASF to V5.40: MVS8000ASF Proc. [V5.40] (for upgrade)

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- When updating DVS-9000 to V5.40: DVS9000 Proc. [V5.40] (for NO FPGA)
 - When updating DVS-9000SF to V5.40: DVS9000SF Proc. [V5.40] (for NO FPGA)
- (9) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation.
 - (10) File transfer begins. If the message indicating completion of file transfer appears, press "OK". When the DIF-141 board of serial number 20171 or the CC-90 board of serial number 10136 is used in the MVS-8000/SF, there can be cases that installation does not advance during file transfer. In such a case, install the software after removing the DIF-141 or the CC-90 board. Then, re-install the software by installing the DIF-141 or the CC-90 board only (i.e., by removing all other boards, Except the CA board).
Return all of the circuit boards upon completion of the software installation.
 - (11) Proceed to Step (17) if doing a MVS-8000 or MVS-8000SF.

For the MVS-8000A/ASF ONLY, installation of the FPGA data is required next. Implement the installation by following the steps described below.

- (11) Insert a memory card in which the FPGA data is copied, into the memory card adaptor.
- (12) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (13) Press the [Install] button to show the equipment list and list of software that can be installed. Then, select SWR from the equipment list.
- (14) Move the cursor to the file of the FPGA data that you want to install, among the following FPGA data list, and press the [Set] button to turn it ON. For the existing version of the current FPGA data, refer to above step (3).
 - When upgrading the FPGA data of the MVS-8000A to V1.70 from V1.60: MVS8000A-FPGA Upgrade
 - When upgrading the FPGA data of the MVS-8000A to V1.70 from any version other than V1.60: MVS8000A-FPGA Full
 - When upgrading the FPGA data of the MVS-8000ASF to V1.70 from V1.60: MVS8000ASF-FPGA Upgrade
 - When upgrading the FPGA data of the MVS-8000ASF to V1.70 from any version other than V1.60: MVS8000A-FPGA Full
- (15) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation.
- (16) File transfer begins. If the message indicating completion of file transfer appears, press "OK".

When installation of the software and the FPGA data is complete, re-boot the system as follows.

- (17) Turn off the power of the MVS/DVS once and back on again to re-start the MVS/DVS. There can be a case that the MVS/DVS does not start up normally at the first re-start after version upgrade of MVS/DVS. In such a case, perform All Clear using the DIP switch by referring to section 4 "All Clear of the Switcher using the DIP Switch", of this document.

1.5 Installing the Panel Software

There can be cases that an error occurs during installation of the Panel software. Therefore, take a required measure by referring to the caution Summarized below:

Caution: If the following two conditions of the MKS-8010A are satisfied as the same time, do not upgrade the Linux Kernel version. However, if the following Condition-1 only is satisfied and the Condition-2 is not satisfied, you can upgrade the Linux Kernel version.

1. Serial number of the MKS-8010A is any of the followings:
10001 through 10009, and 10011 through 10018 (total 17 units)
2. When version number of the MKS8010A-MENU-GUI-RECOVERY is displayed as

“Version -- 0” or as “Version --(--)”.

In order to confirm the version number, upgrade the Menu to V5.11 by following the steps

(1) through (8), and then perform the steps below to confirm the version number.

Let the Install Menu (Page 7316) be displayed on screen.

Move the cursor to Menu and press the [Detail Information] button.

- (1) Press the following buttons in the order shown: ENG SETUP > System > Start Up to open the Start Up menu (Page 7314).
- (2) Move the cursor to PNL1 and, press [Custom] of Start Up mode and press [Factory] of Setup, and then [Factory] of Status in this order.
- (3) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation. When the above operations are complete, set the Start Up Mode of Setup and that of Initial Status to “Factory”.
- (4) Insert a compact flash memory card in which the application software is copied, into the memory card adaptor.
- (5) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (6) Press the [Install] button to show the equipment list and list of software that can be installed. Then, select PNL from the equipment list.
- (7) Move the cursor to the software file that you want to install among the following software in accordance with the type of Panel that is the target of version upgrade, and press the [Set] button to turn it ON.
 - To update the MKS-8010/CCP-9000 to V5.40: MKS8010/CCP9000 PNL CTRL *Upgrade*
 - To update the MKS-8010A/CCP-9000A to V5.40: MKS8010A/CCP9000A PNL CTRL *Upgrade*
- (8) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation.
- (9) File transfer begins. If the message indicating completion of file transfer appears, press "OK".
- (10) Press the Page button in the top left of the menu screen to display the Menu number entry pop-up screen.
- (11) Enter “9999” to display the Engineering Menu.
- (12) Press the [Reboot Panel] button to reboot the control panel.

There can be cases that an error occurs even though it occurs very rarely, during installation of the Panel application. In such a case, re-boot the Panel software in the procedure described below, and re-install the software.

To Reboot the Panel

- (1) Press the following buttons in the order shown: ENG SETUP > System > Initialize to display the Initialize menu (Menu 7315).
- (2) Select PNL1 and press the [All Clear] button.
- (3) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation.
- (4) When the Panel re-boots, go to menu 7316 and confirm the PNL software version is displayed. If it does not match the version required, you may re-install the Panel software again if necessary.

1.6 Installing the DME (MVE) Software

- (1) Press the following buttons in the order shown: ENG SETUP > System > Start Up to open the Start Up menu (Page 7314).
- (2) Move the cursor to DME and, press [Custom] of Start Up mode and press [Factory] of Setup, and then [Factory] of Status in this order.
- (3) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation. When the above operations are complete, set the Start Up Mode of Setup and that of Initial Status to "Factory".
- (4) Insert a compact flash memory card in which the application software is copied, into the memory card adaptor.
- (5) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (6) Press the [Install] button to show the equipment list and list of software that can be installed. Then, select PNL from the equipment list.
- (7) Move the cursor to the software file that you want to install among the following software in accordance with the type of software that is the target of version upgrade, and press the [Set] button to turn it ON. Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation.
 - * For upgrading version of MVE-8000 to V5.40: MVE-8000 [V5.40]
 - * For upgrading the version of MVE-8000A to V5.40: MVE-8000A [V5.40]
 - * For upgrading version of MVE-9000 to V5.40: MVE-9000 [V5.40]
 - * For upgrading the version of BKDS-9470 to V5.40: BKDS-9470 [V5.40]
- (8) File transfer begins. If the message indicating completion of file transfer appears, press "OK".
- (9) Turn off the power of the MVE once and back on again to re-start the MVE. (In the case of the BKDS-9470, turn off the power of the DVS once and back on again to re-start the DVS.

1.7 Clearing Memory and Rebooting

- (1) Press the following buttons in the order shown: ENG SETUP > System > Start Up to open the Start Up menu (Page 7314).
- (2) Move the cursor to PNL1 and, press [Custom] of Start Up mode and press [Factory] of Setup, and then [Factory] of Status in this order. Confirm the same settings for the SWR and DME also.

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- (3) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation. When the above operations are complete, set the Start Up Mode of Setup and that of Initial Status to "Factory".
- (4) Press the following buttons in the order shown: ENG SETUP > System > Initialize to display the Initialize menu (Menu 7315).
- (5) Select PNL1 and press the [All Clear] button.
- (6) Press the [All Clear] button in SWR1 and DME1 in the same way.
- (7) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation.

1.8 Initializing Flash Memory

- (1) Press the following buttons in the order shown: ENG SETUP > System > Start Up to open the Start Up menu (Page 7314).
- (2) Move the cursor to PNL1 and, press [Custom] of Start Up mode and press [Factory] of Setup, and then [Factory] of Status in this order. Confirm the same settings for SWR and DME.
- (3) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation. When the above operations are complete, set the Start Up Mode of Setup and that of Initial Status to "Factory".
- (4) Move the cursor to PNL1 and press the [Setup Define] button. When the message prompting your confirmation appears, press "Yes".
- (5) Press the [Initial Status Define] button, and then "Yes" in reply to the message prompting your confirmation.
- (6) Execute [Setup Define] and [Initial Status Define] in SWR1 and DME1 in the same way.

1.9 Verifying the Installed Version

This completes the version upgrading. In order to make sure that the installation has ended with success, verify the version number of the installed software.

- (1) Press the following buttons in the order shown: ENG SETUP > System > Install/Unit Config to open the Install menu (Page 7316).
- (2) Confirm that the respective software are upgraded to the versions as described below on the menu.

Device	Current Information
Menu	Version 5.40 (Aug.29.2006 19:46)
PNL1	Version 5.40 (Aug.29.2006 19:30)
SWR1	Version 5.40 (Aug.30.2006 9:30)
DME1	Version 5.40 (Aug.29.2006 12:17)

* The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

** The version numbers that are displayed here, are the version numbers of the application software of the respective equipment. If the correct version numbers

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are displayed on the menu, it indicates that the installation has ended with success. However for your confirmation, check the detailed information of the respective software that are installed in each equipment using the procedure as shown below.

- (1) Move the cursor to Menu and press the [Detail Information] button.
- (2) Confirm that the respective software/firmware have already been upgraded to the versions shown.
- (3) Verify the version numbers of the PNL1, SWR1 and DME1 software in the same way.

Menu (For MKS-8010/CCP-9000)

Software/Firmware Name	Version
MKS8010-MENU-GUI	Version 5.40 (Aug.29.2006 19:46)
MKS8010-MENU-IF	Version 5.40 (Aug.29.2006 19:46)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

Menu (For MKS-8010A/CCP-9000A)

Software/Firmware Name	Version
MKS8010A-MENU-GUI	Version 5.40 (Aug.29.2006 20:03)
MKS8010A-MENU-IF	Version 5.40 (Aug.29.2006 20:03)
MKS8010A-MENU-PIE ^{*1}	Version 3.00 (Aug.29.2006 19:30)
MKS8010A-MENU-GUI-RECOVERY	Version 5.40 (Aug.29.2006 20:03)
MKS8010A-MENU-IF-RECOVERY	Version 5.40 (Aug.29.2006 20:03)

MKS8010A-MENU-PIE-RECOVERY ^{*1}	Version 3.00 (Aug.29.2006 19:30)
MKS8010A-MENU-GUI-RESTORE	Version 5.40 (Aug.29.2006 20:03)
MKS8010A-MENU-IF-RESTORE	Version 5.40 (Aug.29.2006 20:03)
MKS8010A-MENU-PIE-RESTORE ^{*1}	Version 3.00 (Aug.29.2006 19:30)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

^{*1} It is displayed only when license of the Editing Control Software BZS-8050 is valid.

PNL1 (For MKS-8010/CCP-9000)

Software/Firmware Name	Version
MKS8010-CTRL-MAIN-BOOT	Version 1.10 (Dec.14.2001 15:57)
MKS8010-CTRL-MAIN-APP	Version 5.40 (Aug.29.2006 19:30)

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MKS8010-CTRL-COMM1-BOOT	Version 1.3 (Mar.18.2003 22:10)
MKS8010-CTRL-COMM1-APP	Version 1.3 (Mar.18.2003 22:10)
MKS8010-CTRL-COMM2-BOOT	Version 1.3 (Mar.18.2003 22:10)
MKS8010-CTRL-COMM2-APP	Version 1.3 (Mar.18.2003 22:10)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

For CCP-9000, the indication, CCP-9000, is displayed instead of MKS-8010 in PNL1.

PNL1 (For MKS-8010A/CCP-9000A)

Software/Firmware Name	Version
MKS8010A-CTRL-MAIN-BOOT ^{*1}	Version 1.30 (May.25.2005 16:12)
MKS8010A-CTRL-MAIN-APP	Version 5.40 (Aug.29.2006 19:30)
MKS8010A-CTRL-COMM1-BOOT	Version 1.10 (Jul.26.2005 14:37)
MKS8010A-CTRL-COMM1-APP	Version 2.03(Jan.6.2005 14:49)
MKS8010A-CTRL-COMM2-BOOT	Version 1.10 (Jul.26.2005 14:37)
MKS8010A-CTRL-COMM2-APP	Version 2.03(Jan.6.2005 14:49)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

For CCP-9000A, the indication, CCP-9000A, is displayed instead of MKS-8010A in PNL1. When the CPU-DT is installed as the CPU Module, -DT, is added at the end of the software name.

*1: If the CPU-DT is installed, it becomes Version1.31 (Jun.27.2006 21:03).

SWER (for MVS-8000/SF software)

Software/Firmware Name	Version
MVS8000-MAIN-BOOT	Version 3.53 (Apr.17.2006 15:59)
MVS8000-MAIN-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-COMM2-BOOT	Version 3.53 (Apr.17.2006 16:00)
MVS8000-COMM2-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-XPT-BOOT	Version 3.53 (Apr.17.2006 15:58)
MVS8000-XPT-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-FM-BOOT	Version 3.53 (Apr.17.2006 15:59)
MVS8000-FM-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-FM-FPGA	Version 2.00 (Nov.28.2002 15:14)
MVS8000-MVEIF-BOOT	Version 3.53 (Apr.17.2006 15:58)
MVS8000-MVEIF-APP	Version 5.40 (Aug.30.2006 9:30)

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MVS8000-OUTPROC-BOOT	Version 3.53 (Apr.17.2006 15:58)
MVS8000-OUTPROC-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-ME3-BOOT	Version 3.53 (Apr.17.2006 15:59)
MVS8000-ME3-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-ME3-FPGA	Version 2.03 (Apr.18.2003 12:11)
MVS8000-ME3-SOLID	Version 1.00 (Jul.10.2001 13:52)
MVS8000-ME2-BOOT	Version 3.53 (Apr.17.2006 15:59)
MVS8000-ME2-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-ME2-FPGA	Version 2.03 (Apr.18.2003 12:11)
MVS8000-ME2-SOLID	Version 1.00 (Jul.10.2001 13:52)
MVS8000-ME1-BOOT	Version 3.53 (Apr.17.2006 15:59)
MVS8000-ME1-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-ME1-FPGA	Version 2.03 (Apr.18.2003 12:11)
MVS8000-ME1-SOLID	Version 1.00 (Jul.10.2001 13:52)
MVS8000-PP-BOOT	Version 3.53 (Apr.17.2006 15:59)
MVS8000-PP-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-PP-FPGA	Version 2.03 (Apr.18.2003 12:11)
MVS8000-PP-SOLID	Version 1.00 (Jul.10.2001 13:52)
MVS8000-COMM1-BOOT	Version 1.3 (Mar.18.2003 22:10)
MVS8000-COMM1-APP	Version 1.6 (Jul.26.2005 18:02)
MVS8000-CCR-BOOT	Version 3.53 (Apr.17.2006 15:59)
MVS8000-CCR-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000-CCR-FPGA	Version 2.03 (Sep.4.2003 20)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

The above lists are the examples of display when all optional boards are installed in the MVS-8000. If any optional board is not installed, information of the un-installed board will not be displayed.

If the CA-54A board is used as the repair board of the CA-44 board, or if the XPT-25C complete board is used as the repair board of the XPT-18/21 board, the BOOT software of V5.31 is required.

When the CPU-DT is installed as the CPU Module, -DT, is added at the end of the software name.

SWER (for MVS-8000A/ASF)

Software/Firmware Name	Version
MVS8000A-MAIN-BOOT	Version 5.40 (Aug.30.2006 09:29)
MVS8000A-MAIN-APP	Version 5.40 (Aug.30.2006 9:30)

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MVS8000A-COMM2-BOOT	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-COMM2-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-XPT-BOOT	Version 5.40 (Aug.30.2006 09:29)
MVS8000A-XPT-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-FM-BOOT	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-FM-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-FM-FPGA-1	Version 1.50 (Mar.17.2006 18:15)
MVS8000A-FM-FPGA-2	Version 1.60 (Jun.27.2006 19:19)
MVS8000A-CCR-BOOT	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-CCR-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-CCR-FPGA-1	Version 2.03 (Sep.4.2003 20)
MVS8000A-MVEIF-BOOT	Version 5.40 (Aug.30.2006 09:29)
MVS8000A-MVEIF-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-MVEIF- FPGA-1	Version V2.20 (Apr.14.2005 21:23)
MVS8000A-OUTPROC-BOOT	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-OUTPROC-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-OUTPROC- FPGA-1	Version 1.70 (Aug.25.2006 15:31)
MVS8000A-OUTPROC- FPGA-2	Version 1.70 (Aug.25.2006 15:31)
MVS8000A-ME3-BOOT	Version 5.40 (Aug.30.2006 09:29)
MVS8000A-ME3-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-ME3-FPGA-1	Version V1.40 (Dec.12.2005 17:24)
MVS8000A-ME3-FPGA-2	Version 1.60 (Jun.27.2006 19:17)
MVS8000A-ME3-FPGA-3	Version v1.30 (Oct.06.2005 13:46)
MVS8000A-ME3-FPGA-4	Version V1.10 (Oct.27.2004 09:32)
MVS8000A-ME3-FPGA-5	Version 1.60 (Jun.27.2006 19:18)
MVS8000A-ME3-FPGA-6	Version 1.60 (Jun.27.2006 19:17)
MVS8000A-ME3-FPGA-7	Version V1.00 (Apr.28.2004 10:44)
MVS8000A-ME3-FPGA-8	Version V1.10 (Oct.20.2004 09:32)
MVS8000A-ME3-SOLID	Version 1.00 (Jul.10.2001 13:52)
MVS8000A-ME2-BOOT	Version 5.40 (Aug.30.2006 09:29)
MVS8000A-ME2-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-ME2-FPGA-1	Version V1.40 (Dec.12.2005 17:24)
MVS8000A-ME2-FPGA-2	Version 1.60 (Jun.27.2006 19:17)
MVS8000A-ME2-FPGA-3	Version v1.30 (Oct.06.2005 13:46)
MVS8000A-ME2-FPGA-4	Version V1.10 (Oct.27.2004 09:32)
MVS8000A-ME2-FPGA-5	Version 1.60 (Jun.27.2006 19:18)
MVS8000A-ME2-FPGA-6	Version 1.60 (Jun.27.2006 19:17)
MVS8000A-ME2-FPGA-7	Version V1.00 (Apr.28.2004 10:44)
MVS8000A-ME2-FPGA-8	Version V1.10 (Oct.20.2004 09:32)

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MVS8000A-ME2-SOLID	Version 1.00 (Jul.10.2001 13:52)
MVS8000A-ME1-BOOT	Version 5.40 (Aug.30.2006 09:29)
MVS8000A-ME1-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-ME1-FPGA-1	Version V1.40 (Dec.12.2005 17:24)
MVS8000A-ME1-FPGA-2	Version 1.60 (Jun.27.2006 19:17)
MVS8000A-ME1-FPGA-3	Version v1.30 (Oct.06.2005 13:46)
MVS8000A-ME1-FPGA-4	Version V1.10 (Oct.27.2004 09:32)
MVS8000A-ME1-FPGA-5	Version 1.60 (Jun.27.2006 19:18)
MVS8000A-ME1-FPGA-6	Version 1.60 (Jun.27.2006 19:17)
MVS8000A-ME1-FPGA-7	Version V1.00 (Apr.28.2004 10:44)
MVS8000A-ME1-FPGA-8	Version V1.10 (Oct.20.2004 09:32)
MVS8000A-ME1-SOLID	Version 1.00 (Jul.10.2001 13:52)
MVS8000A-PP-BOOT	Version 5.40 (Aug.30.2006 09:29)
MVS8000A-PP-APP	Version 5.40 (Aug.30.2006 9:30)
MVS8000A-PP-FPGA-1	Version V1.40 (Dec.12.2005 17:24)
MVS8000A-PP-FPGA-2	Version 1.60 (Jun.27.2006 19:17)
MVS8000A-PP-FPGA-3	Version v1.30 (Oct.06.2005 13:46)
MVS8000A-PP-FPGA-4	Version V1.10 (Oct.27.2004 09:32)
MVS8000A-PP-FPGA-5	Version 1.60 (Jun.27.2006 19:18)
MVS8000A-PP-FPGA-6	Version 1.60 (Jun.27.2006 19:17)
MVS8000A-PP-FPGA-7	Version V1.00 (Apr.28.2004 10:44)
MVS8000A-PP-FPGA-8	Version V1.10 (Oct.20.2004 09:32)
MVS8000A-PP-SOLID	Version 1.00 (Jul.10.2001 13:52)
MVS8000A-COMM1-BOOT	Version 1.3 (Mar.18.2003 22:10)
MVS8000A-COMM1-APP	Version 1.6 (Jul.26.2005 18:02)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct. The above lists are the examples of display when all optional boards are installed in the MVS-8000. If any optional board is not installed, information of the un-installed board will not be displayed.

When the CPU-DT is installed as the CPU Module, -DT, is added at the end of the software name.

SWER (for DVS-9000/SF software)

Software/Firmware Name	Version
DVS9000-MAIN-BOOT	Version 5.40 (Aug.30.2006 09:29)
DVS9000-MAIN-APP	Version 5.40 (Aug.30.2006 9:30)
DVS9000-COMM2-BOOT	Version 5.40 (Aug.30.2006 9:30)
DVS9000-COMM2-APP	Version 5.40 (Aug.30.2006 9:30)
DVS9000-XPT-BOOT	Version 5.40 (Aug.30.2006 9:30)

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DVS9000-XPT-APP	Version 5.40 (Aug.30.2006 9:30)
DVS9000-OUTPROC-BOOT	Version 5.40 (Aug.30.2006 9:30)
DVS9000-OUTPROC-APP	Version 5.40 (Aug.30.2006 9:30)
DVS9000-OUTPROC-FPGA	Version 2.20 (Feb.16.2006 20:51)
DVS9000-FM-BOOT	Version 5.40 (Aug.30.2006 9:30)
DVS9000-FM-APP	Version 5.40 (Aug.30.2006 9:30)
DVS9000-FM-FPGA	Version 2.20 (Feb.16.2006 20:53)
DVS9000-ME3-BOOT	Version 5.40 (Aug.30.2006 09:29)
DVS9000-ME3-APP	Version 5.40 (Aug.30.2006 9:30)
DVS9000-ME3-FPGA-1 (*1)	Version 3.20 (Feb.16.2006 20:55)
DVS9000-ME3-FPGA-2(*2)	Version 4.20 (Feb.16.2006 20:57)
DVS9000-ME3-FPGA-3(*3)	Version 5.20 (Feb.16.2006 20:58)
DVS9000-ME3-FPGA-4(*3)	Version 5.02 (Oct.31.2005 16:00)
DVS9000-ME3-SOLID	Version 1.00 (Jul.10.2001 13:52)
DVS9000-ME2-BOOT	Version 5.40 (Aug.30.2006 09:29)
DVS9000-ME2-APP	Version 5.40 (Aug.30.2006 9:30)
DVS9000-ME2-FPGA-1 (*1)	Version 3.20 (Feb.16.2006 20:55)
DVS9000-ME2-FPGA-2(*2)	Version 4.20 (Feb.16.2006 20:57)
DVS9000-ME2-FPGA-3(*3)	Version 5.20 (Feb.16.2006 20:58)
DVS9000-ME2-FPGA-4(*3)	Version 5.02 (Oct.31.2005 16:00)
DVS9000-ME2-SOLID	Version 1.00 (Jul.10.2001 13:52)
DVS9000-ME1-BOOT	Version 5.40 (Aug.30.2006 09:29)
DVS9000-ME1-APP	Version 5.40 (Aug.30.2006 9:30)
DVS9000-ME1-FPGA-1 (*1)	Version 3.20 (Feb.16.2006 20:55)
DVS9000-ME1-FPGA-2(*2)	Version 4.20 (Feb.16.2006 20:57)
DVS9000-ME1-FPGA-3(*3)	Version 5.20 (Feb.16.2006 20:58)
DVS9000-ME1-FPGA-4(*3)	Version 5.02 (Oct.31.2005 16:00)
DVS9000-ME1-SOLID	Version 1.00 (Jul.10.2001 13:52)
DVS9000-PP-BOOT	Version 5.40 (Aug.30.2006 09:29)
DVS9000-PP-APP	Version 5.40 (Aug.30.2006 9:30)
DVS9000-PP-FPGA-1 (*1)	Version 3.20 (Feb.16.2006 20:55)
DVS9000-PP-FPGA-2(*2)	Version 4.20 (Feb.16.2006 20:57)
DVS9000-PP-FPGA-3(*3)	Version 5.20 (Feb.16.2006 20:58)
DVS9000-PP-FPGA-4(*3)	Version 5.02 (Oct.31.2005 16:00)
DVS9000-PP-SOLID	Version 1.00 (Jul.10.2001 13:52)
DVS9000-COMM1-BOOT	Version 1.3 (Mar.18.2003 22:10)
DVS9000-COMM1-APP	Version 1.6 (Jul.26.2005 18:02)

Software Upgrade Procedure Version 5.40

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

The above lists are the example of display when all optional boards are installed in the DVS-9000. If any optional board is not installed, information of the un-installed board will not be displayed.

When the CPU-DT is installed as the CPU Module, -DT, is added at the end of the software name.

(*1) In the case when the MIX-46 board suffix is -11.

(*2) In the case when the MIX-46 board suffix is -12.

(*3) In the case when the MIX-46 board suffix is -16.

DME (For MVE-8000)

Software/Firmware Name	Version
MKS8800-MAIN-BOOT	Version 1.01 (Dec.14.2001 21:57)
MKS8800-MAIN-APP	Version 5.40 (Aug.29.2006 12:17)
MKS8800-COMM1-BOOT	Version 1.10 (Dec.14.2001 21:56)
or	Version 1.30 (Apr.8.2003 13:22:00)
MKS8800-COMM1-APP	Version 5.40 (Aug.29.2006 12:06)
MKS8800-COMM2-BOOT	Version 1.10 (Dec.14.2001 21:57)
or	Version 1.10 (Dec.10.2001 21:57)
or	Version 1.30 (Apr.8.2003 13:24)
MKS8800-COMM2-APP	Version 5.40 (Aug.29.2006 12:11)
MKS8800-VIF-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-VIF-APP	Version 5.40 (Aug.29.2006 12:02)
MKS8800-DVP1-BOOT	Version 1.00 (Jun.8.2001 18:39)

DME (For MVE-8000)

Software/Firmware Name	Version
MKS8800-MAIN-BOOT	Version 1.01 (Dec.14.2001 21:57)
MKS8800-MAIN-APP	Version 5.40 (Aug.29.2006 12:17)
MKS8800-COMM1-BOOT	Version 1.10 (Dec.14.2001 21:56)
or	Version 1.30 (Apr.8.2003 13:22:00)
MKS8800-COMM1-APP	Version 5.40 (Aug.29.2006 12:06)
MKS8800-COMM2-BOOT	Version 1.10 (Dec.14.2001 21:57)
or	Version 1.10 (Dec.10.2001 21:57)
or	Version 1.30 (Apr.8.2003 13:24)
MKS8800-COMM2-APP	Version 5.40 (Aug.29.2006 12:11)
MKS8800-VIF-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-VIF-APP	Version 5.40 (Aug.29.2006 12:02)
MKS8800-DVP1-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-DVP1-APP	Version 5.40 (Aug.29.2006 12:02)

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MKS8800-DVP2-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-DVP2-APP	Version 5.40 (Aug.29.2006 12:02)
MKS8800-DVP3-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-DVP3-APP	Version 5.40 (Aug.29.2006 12:02)
MKS8800-DVP4-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-DVP4-APP	Version 5.40 (Aug.29.2006 12:02)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

However, only for the MKS8800-COMM2-BOOT, both the version numbers and the dates on the display and those on the list must agree.

The above lists are the examples of display when all optional boards are installed in the MKS-8800. If DVP board is not installed, information of the DVP board will not be displayed.

DME (For MVE-8000A)

Software/Firmware Name	Version
MVE-8000A-MAIN-BOOT	Version 2.30 (Aug.29.2006 12:01)
MVE-8000A-MAIN-APP	Version 5.40 (Aug.29.2006 12:16)
MVE-8000A-COMM1-BOOT	Version 2.30 (Aug.29.2006 12:05)
MVE-8000A-COMM1-APP	Version 5.40 (Aug.29.2006 12:05)
MVE-8000A-COMM2-BOOT	Version 2.30 (Aug.29.2006 12:09)
MVE-8000A-COMM2-APP	Version 5.40 (Aug.29.2006 12:10)
MVE-8000A-VIF-BOOT	Version 2.30 (Aug.29.2006 12:01)
MVE-8000A-VIF-APP	Version 5.40 (Aug.29.2006 12:00)
MVE-8000A-DVP1-BOOT	Version 2.30 (Aug.29.2006 12:01)
MVE-8000A-DVP1-APP	Version 5.40 (Aug.29.2006 12:00)
MVE-8000A-DVP2-BOOT	Version 2.30 (Aug.29.2006 12:01)
MVE-8000A-DVP2-APP	Version 5.40 (Aug.29.2006 12:00)
MVE-8000A-DVP3-BOOT	Version 2.30 (Aug.29.2006 12:01)
MVE-8000A-DVP3-APP	Version 5.40 (Aug.29.2006 12:00)
MVE-8000A-DVP4-BOOT	Version 2.30 (Aug.29.2006 12:01)
MVE-8000A-DVP4-APP	Version 5.40 (Aug.29.2006 12:00)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

The above list is the example of display when all optional boards are installed in the MVE-8000A. If DVP board is not installed, information of the DVP board will not be displayed.

Software Upgrade Procedure Version 5.40

When the CPU-DT is installed as the CPU Module, -DT, is added at the end of the software name.

DME (For MVE-9000)

Software/Firmware Name	Version
MVE9000-MAIN-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-MAIN-APP	Version 5.40 (Aug.29.2006 12:11)
MVE9000-COMM1-BOOT	Version 2.40 (Aug.29.2006 12:01)
MVE9000-COMM1-APP	Version 5.40 (Aug.29.2006 12:01)
MVE9000-COMM2-BOOT	Version 2.40 (Aug.29.2006 12:04)
MVE9000-COMM2-APP	Version 5.40 (Aug.29.2006 12:05)
MVE9000-VIF-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-VIF-APP	Version 5.40 (Aug.29.2006 11:55)
MVE9000-DVP1-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-DVP1-APP	Version 5.40 (Aug.29.2006 11:55)
MVE9000-DVP2-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-DVP2-APP	Version 5.40 (Aug.29.2006 11:55)
MVE9000-DVP3-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-DVP3-APP	Version 5.40 (Aug.29.2006 11:55)
MVE9000-DVP4-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-DVP4-APP	Version 5.40 (Aug.29.2006 11:55)
MVE9000-DVP5-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-DVP5-APP	Version 5.40 (Aug.29.2006 11:55)
MVE9000-DVP6-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-DVP6-APP	Version 5.40 (Aug.29.2006 11:55)
MVE9000-DVP7-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-DVP7-APP	Version 5.40 (Aug.29.2006 11:55)
MVE9000-DVP8-BOOT	Version 2.40 (Aug.29.2006 11:57)
MVE9000-DVP8-APP	Version 5.40 (Aug.29.2006 11:55)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

The above list is the example of display when all optional boards are installed in the MVE-9000. If DVP board is not installed, information of the DVP board will not be displayed. Because the two types of software are required for a single DVP board, the software up to DVP-8 can be used when the four DVP boards are used.

When the CPU-DT is installed as the CPU Module, -DT, is added at the end of the software name.

DME (For BKDS-9470)

Software Upgrade Procedure Version 5.40

Software/Firmware Name	Version
BKDS9470-MAIN-BOOT	Version 2.20 (Aug.29.2006 11:52)
BKDS9470-MAIN-APP	Version 5.40 (Aug.29.2006 12:03)
BKDS9470-COMM1-BOOT	Version 2.20 (Aug.29.2006 11:58)
BKDS9470-COMM1-APP	Version 5.40 (Aug.29.2006 11:59)
BKDS9470-COMM2-BOOT	Version 2.20 (Aug.29.2006 12:00)
BKDS9470-COMM2-APP	Version 5.40 (Aug.29.2006 12:00)
BKDS9470-DVP1-BOOT	Version 2.20 (Aug.29.2006 11:53)
BKDS9470-DVP1-APP	Version 5.40 (Aug.29.2006 11:51)
BKDS9470-DVP2-BOOT	Version 2.20 (Aug.29.2006 11:53)
BKDS9470-DVP2-APP	Version 5.40 (Aug.29.2006 11:51)

The time and data that are displayed on the menu can be different from the above list. The time and date differences create no problem as far as the version number is correct.

When the CPU-DT is installed as the CPU Module, -DT, is added at the end of the software name.

1.10 Load the User Setup Data of the Switcher System and Write It in Flash

Memory

- (1) Insert a memory card in which the User Setup Data is copied in step 1.1, into the memory card slot of the Control Panel.
- (2) Select menu 7317 and press the Refresh button. When the device shows up in the table then highlight it and select Primary.
- (3) Press the [File] button, [All] button and [External File] button in this order to display the "File" menu (Menu 7161).
- (3) Select [Memory Card] as the Device in which data is saved, and select [Setup] and [Initial Status] as the data to be loaded. If there is any other data that have been saved beforehand, press the corresponding buttons and select them.
- (4) Press the [Load] button and then press "Yes" in reply to the message prompting your confirmation. If you have Frame Memory data to Load then proceed to the next step. Otherwise go to step (7).
- (5) In order to Load Frame Memory files Press the [File] button, [Frame Memory] button in this order or go to Menu 7151. Select [All] under one of the tables, this will highlight all Files, or select the Frame Memories you want to Load.
- (6) Select the [Load] button, and then press "yes" in reply to the message prompting your confirmation.
- (7) When loading is complete, remove the memory card.
=> The Initial Status data is written in a flash memory in this step.
- (8) Press the following buttons in the order shown: ENG SETUP > System > Start Up to open the Start Up menu (Page 7314).
- (9) Select PNL1. Set the Start Up Mode to [Custom], and set the Setup and the Initial Status to [User].
- (10) Establish the same setting as described above for SWR1 and DME1.

- (11) Press the [Exec] button, and then press "Yes" in reply to the message prompting your confirmation.
- (12) (4) Move the cursor to PNL1 and press the [Setup Define] button. When the message prompting your confirmation appears, press "Yes".
- (13) Execute [Setup Define] in both of SWR1 and DME1.

1.11 Loading the Setup Data and Initialize Data of BZS-8050

- (1) When data was saved in a memory card in step 4.2, insert the memory card into the corresponding slot of the Control Panel.
- (2) Press the keys in the order starting from SETUP > F8: HNDL FILE > F1: LOAD (HDD) or F2: Load (USB).
If you have saved the data in any devices other than an HDD, press F2: LOAD (USB) and then select the corresponding device from the screen, and press the ENTER key.
- (3) A list of directories is displayed. Then select a directory that you have saved the data, and press the ENTER key.
- (4) When the file in which data is saved is selected and the ENTER key is pressed, the Setup Data are loaded in the system.
- (5) Press the keys in the order starting from INIT > F8: HNDL FILE > F1: LOAD (HDD) or F2: LOAD (USB).
Load the Initialize data by referring to steps (2), (3) and (4).

2. Compatibility with Previous Versions

The EDL, the Setup File and the Initialize File of the old version can be used in this version too. Using the files of the old versions will not create any compatibility problem.

If an EDL that has been used in the version before BZS-8050 exists, the EDL will be replaced by the EDL having the name "DEFAULT" in the project "DEFAULT".

3. Comment on Recovery Data

When the internal HDD is replaced with the new HDD or when the recovery data that has been stored in the HDD beforehand has been damaged due to any reason, the error message "Internal Error: Recovery HDD" is displayed on the MENU PANEL. In such a case, re-setting of the recovery data becomes necessary.

The recovery data are different depending on the respective versions. The following recovery data is provided for V5.40 **ONLY**. Consult SONY Service if you need Recovery Data for other versions.

RecoveryData/mks8010a-2.0.0-hdc4.tar.gz

RecoveryData/mks8010a-2.0.0-hdc4_patches.tar.gz

Download the desired Recovery Data from the SONY Switcher FTP download site as required and use it.

For details of the recovery data, and for the installation procedure of the recovery data, refer to Section 5 "Internal Error: The error message: Recovery HDD is displayed".

4. All Clear of the Switcher using the DIP Switch

There can be a case that the switcher does not start up normally at the first startup after version upgrade of the switcher. Perform All Clear using the DIP switch with the following procedure.

- (1) Turn off the power.
- (2) Remove the CA-44 or CA-54 board (depending on the Switcher model) and set the switch position No. 4 of the front panel DIP switch (S101) to ON, and return the CA-44/54 board back to the original position.
- (3) Turn on the power.
- (4) Progress of the processing is displayed on the 7-segment LED of the CA-44/54 board. (The count-down display is shown.)
- (5) Indication of “—”, is displayed on the 7-segment LED of the CA-44/54 board. (Processing ends.)
- (6) Turn off the power.
- (7) Remove the CA-44/54 board and set the switch position No. 4 of the front panel DIP switch (S101) to OFF, and return the CA-44/54 board back to the original position.
- (8) Turn on the power.

5. “Internal Error: The error message: Recovery HDD is displayed”.

1. Symptom

The following message “Internal Error: Recovery HDD” is displayed on the Menu Panel (MKS-8011) when starting up the system.

Example of the Symptom:

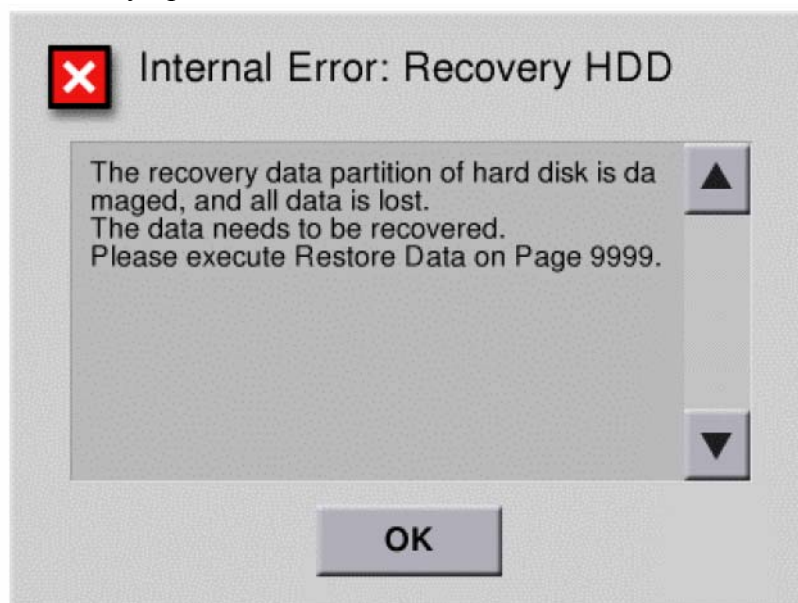


Fig.1

2. Description

The message described above is displayed on the Menu Panel screen (MKS-8011) of MKS-8010A, MKS-9011A, and MKS-9012A

* This error message is NOT displayed on the menu panel of MKS-8010 (w/o A), MKS-9011 (w/o A), MKS-9012 (w/o A), or MKS-8010A.

The following cause this symptom.

- 1) In case of replacing HDD by new one
 - 2) In case the recovery data (*1) in HDD is damaged
- Refer to the supplement 1 for detailed information of the recovery data.

Reset the recovery data by following this document when the error message is displayed.

*1: Recovery data is a spare program in HDD. This spare program is used to start up system when the program stored in the nonvolatile memory to start up system normally is damaged. Therefore the system can be started and operated with the nonvolatile memory even without the recovery data, or even if it is damaged. But the warning message above is displayed whenever starting up system.

3. Tools and Repair Parts Required

- Empty Memory Stick to transfer data or Compact Flash (*2)
- ◆ The devices above are formatted with the target set, and have to be with over 128MB.

*2:

CCP-8000 series: With MKS-8025, use Compact Flash set.

CCP-8000 series: With MKS-8025MS, use Memory Stick set.

CCP-9000 series: With MKS-9011A and MKS-9012A, use Memory Stick set.

4. Countermeasure

Please download the recovery data on the specified site to the Memory Stick or Compact Flash. Save the recovery data in the Memory Stick or the [memory card](#) as a Compact Flash.

Procedures

- 1) Download the recovery data to your PC.

Download the recovery data (RecoveryData.zip) on the specified site with the same version as your software's

- 2) Unzip the data.

Unzip "RecoveryData.zip" on your PC.

- 3) Load the data into the memory card.

MVSDVS_V322 for V3.22

Load the following two kinds of the recovery data into the memory card.

MVSDVS_V322/RecoveryData/mks8010a-2.0.0-hdc4.tar.gz

MVSDVS_V322/RecoveryData/mks8010a-2.0.0-hdc4_patches.tar.gz

The recovery data has to be put in the root directory of the memory card with the .tar.gz format.

⌚ Do not uncompress the .tar.gz file.

⌚ Make sure to put the files above in the root directory, or installing cannot be done.

The recovery data depends on the version.

⌚ Save the data with one and the same version in the Memory Stick.

When the software with new version is released, the corresponding recovery data will be announced at the same time.

(How to Install to the Set)

Touch the “OK” button on the screen of Fig.1 to cancel the error pop-up display. And press the “Page” button on the upper-left corner of the screen to input the page “9999”.

Then the screen shown in Fig.2 is displayed.

Attach the Memory Stick or Compact Flash saving the recovery data to the set, and press the “Restore Data on HDD” button on the right middle of the screen to display the following figure (Fig.3).



Fig. 2



Fig. 3

Click the “Yes” button to start installing the recovery data.
The following figure (Fig.4) is displayed when the installation is completed.



Fig. 4

5. Confirmation

Confirm there is no warning display on the screen after turning off the power and then back on.

Supplement 1. Recovery Data

The target sets have dual OS and application data in the hard disk. Therefore even if the memory saving program is damaged, the system can be started up. Recovery data is the OS or the application program saved in HDD to start up the system even if the memory is damaged.

1. How to Start up the System Normally

The system is started up with OS or Application Program saved in the Flash Memory (IC2203) on MPU-302B board.

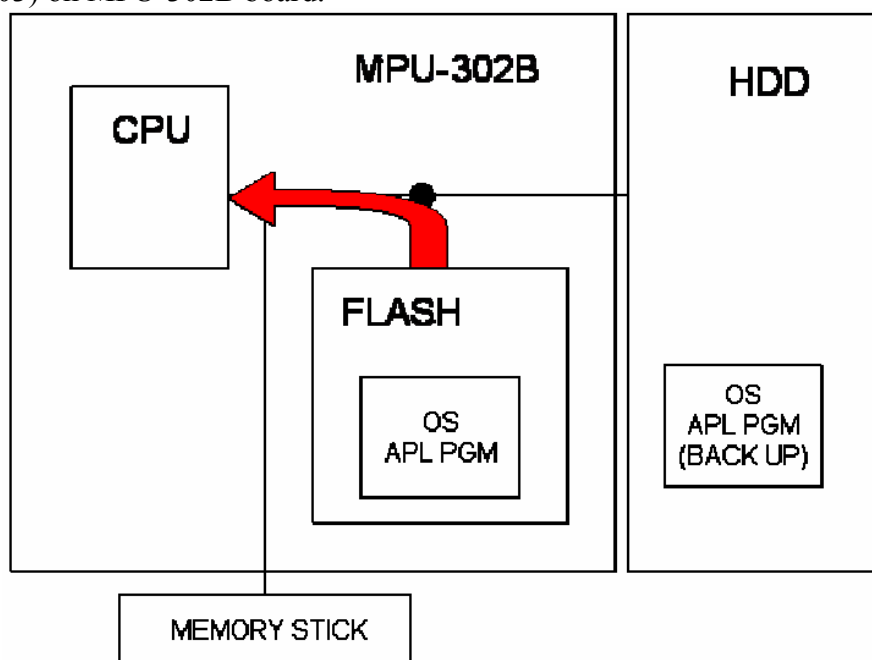


Fig.1: Normal Booting

2. How to Start up the System with the Recovery Data

When the system cannot be started up with the program saved in the Flash Memory on the board for some reason, start up the system with the recovery data saved in HDD of MPU board as shown in Fig. 2.

When the system is started up in this mode, the Flash Memory on the board is fixed automatically.

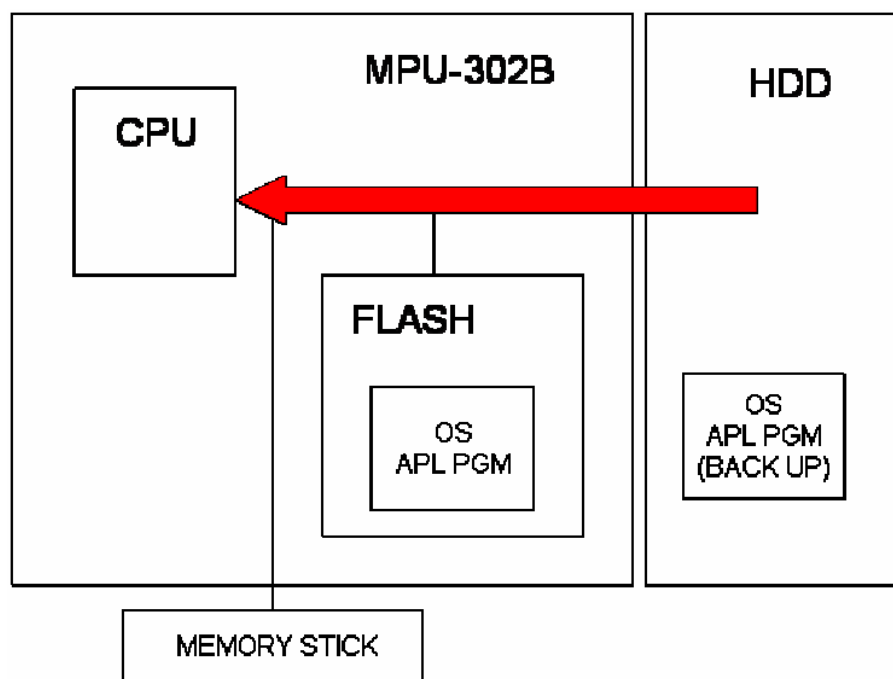


Fig.2: Booting with Recovery Data

3. How to Update the Recovery Data

When the program saved in hard disk is damaged, warning sign is displayed, but it does not affect the set booting operation. In this case, update the recovery data by Memory Stick or Compact Flash.

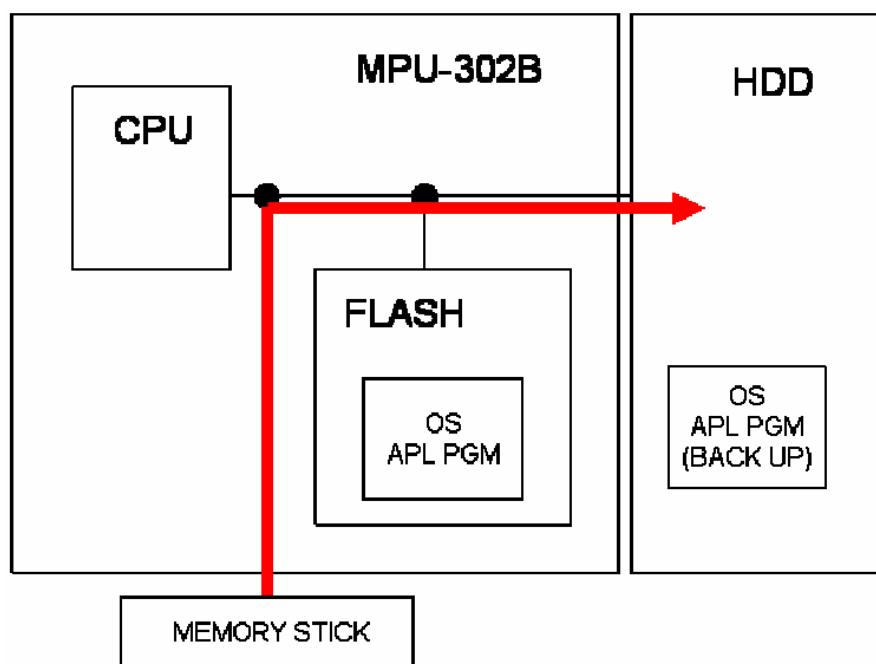


Fig.3: Recovery Data Updating