

# MVS-8000 System Application Software V5.11

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\*1. These release notes are targeted at the following models.

- MVS-8000/SF/A/ASF software
- MKS-8010A Software and CCP-9000A Software
- MVS-8000A/ASF FPGA Data
- MVE-8000/8000A/9000 Software

## 1. Overview of the Software

### 1.1. New Functions

#### 1.1.1. Switcher

- 720p/50 is supported (MVS-8000A/ASF)

The signal format 720p/50 is newly supported.

Note: For the machines having the serial numbers shown below, additional work described separately is required. For details of the additional work, refer to the Technical Memo SWEM05-070.

MVS-8000A     10001 - 10045

MVS-8000ASF 10001 - 10035

- Side Flag (MVS-8000A/ASF)

This is the function create video signal of 16:9 by adding the picture data that is selected by the Utilities-1 bus, to both ends of the video signal material of 4:3. Width of the Side

Flag signal can be specified. The Auto Side Flag function and the Auto Crop function can be used. The Auto Side Flag function is to add the side flag automatically when the 4:3 material is selected by cross-point. The Auto Crop function is to crop the video signal to 4:3 automatically during transition when the DME wipe is executed.

#### 1.1.2. DME

- 720p/50 is supported (MVE-9000, 8000A)

The signal format 720p/50 is newly supported.

Note: For the machines having the serial numbers shown below, additional work described separately is required. Please Contact Sony Service for more information.

MVE-8000A	0001 - 10044
MVE-9000	10001 - 10102
MKE-9020M (*1)	Before 10001 through 12000

(\*1) This is an option required to connect the MVS to the MVE-9000 using dedicated interface. The additional work is required if the MKE-9020M is used, and the MKE-9020M falls in the above serial number list, even if the MVE-9000 does not fall in the above-described serial numbers,

- Round Corner Is Added (MVE-9000)

Round Corner is added as the Wipe Crop pattern and the Mask pattern.

#### 1.1.3. Panel

- Macro Offline Editing

The function to enable editing of macro from the menu, is added.

- Macro On-line Editing

The function to enable editing of macro using the menu and panel, is added.

- Macro Attach to Fader

The function to enable attachment of macro to a desired position of Fader is added.

- Setup Protection

The function to prohibit any operation of the setup menu in units of menu, is added.

- Joy Stick Fine Mode

Fine mode is added to the Joy Stick operation.

- System Manager Enable/Disable

The function providing the switching of either Enable/Disable of any operation from system manager, is added.

- **Register Loading during Startup**

The function to load the register automatically during startup of the respective devices is added.

- **Transition Rate Menu**

The menu to enable browsing and setting of the transition rate of the respective blocks is added.

## **1.2. Specification Change**

### **1.2.1. Switcher**

- **Frame Memory Storage Capacity Expansion (MVS-8000A/ASF)**

Number of storages of frame memory during HD mode is expanded to 444.

### **1.2.2. DME**

- **Filter Mode Added**

The Mode 3 (Sharp) is added to the Filter mode for inner insertion.

- **Edge Soft**

The software is changed so that the Edge Soft becomes valid only when Crop is ON.

### **1.2.3. Panel**

- **Parallel Tally**

The software is changed so that the all groups of the parallel tally become valid regardless of the Tally Group setting.

- **Install Menu Improvement**

The software is improved so that the only the software programs are installable in the respective systems can be identified automatically.

- **Operability Improvement**

- **Calling the DME Menu**

The software is improved so that the DME menu can be called by double-clicking of the DME related button on the device operation block.

- **Key Bus Delegation Selection**

The software is changed so that the key bus delegations that are the target of the cross-point operation block, can be selected by double-clicking the Key Delegation button on the transition operation block.

- **Menu Operation during Transfer of Frame Memory File**

The software is changed so that the Menu operation other than the file menu can be executed while transfer of the memory file is in progress.

- **Folder Display on the File Menu**

Folders can be display on the File Menu by sorting the folders.

### **1.3. Restrictions**

- The System Manager Enable/Disable function must have been assigned to the User Preference Button beforehand. If they are not assigned, the system does not run.
- Because the switcher status cannot be obtained by the device monitor of System Manger during Effect run (including animation) of switcher, the message No Response is displayed.

### **1.4. Bugs Fixed**

#### **1.4.1. Switcher-related Bugs**

- The bug that the file transfer become impossible is corrected from this version.
- The bug that the Tally indication malfunctions sometimes during startup is corrected.
- The bug that the Output Assign setup is not memorized if the PP is set to the Multi Program Mode when using the Simple PP, is corrected.
- The bug that the video signal becomes abnormal if the Fader Lever is operation in the Cut mode during the Advanced Tally Mode, is corrected.
- The MIX board sometimes did not start up at power-on. This bug has been fixed.
- When running an effect on the switcher (including animation), “No Response” appeared as the status of the switcher on System Manager. This bug has been corrected.
- When executing a Shotbox effect with Autorun enabled, there are cases when the effect will not run

- There is the case that Background picture is changed when executing a DME Wipe twice by snapshot with AutoTrans, and bus toggle is set to OFF
- Next transition setting does not reflect in Preview side tally
- A key does not appear in the output which setting of M/E Config of setup previews when multi-program mode.
- There is the case Mask edge becomes black when the setting of Mask/Border Process of setup are Border -> Mask..
- There is a rare situation that system boards with the CPU-DT installed, would not boot up.
- There is a case that Image file export to flame memory does not complete.
- There is a case that default recall of M/E does not work normally.
- MVS-8000 There is the case when video format is HD there is a noise in the video in a horizontal direction

#### **1.4.2. DME-related Bugs**

- The bug that the Combine is canceled during Clear Work Buffer is corrected.
- The bug that the Mask (defocus, mosaic) is disabled at the left end of a screen is corrected. (MVE-9000)
- The bug that a part of the Effect of the video side is not linked with the Effect in the shadow side when the Global Shadow is used, is corrected.
- Picture quality of the File Effect is improved. (MVE-9000)
- The bug that the white/dark clips have been working on the key signal when the SDI interface is in use, is corrected. (MVE-9000/8000A)
- The bug that picture becomes abnormal during startup sometimes is corrected. (MVE-9000)
- The bug that the opposite portions against the light source become brighter in the Texture and Test Sphere when the spot light is set to the parallel light, is corrected.

- The bug that noise appears outside the picture frame due to the Kaleidoscope effect is corrected.
- The bug that the DME operation is not smooth when the video format is 720p/59.94.
- The bug that left end of a picture is cropped when size of mosaic is changed in the modes of SD and 16:9 is corrected.
- The bug that an empty register of Snap Shot can be locked, is corrected.
- The bug that startup of the system takes a long time in some occasions is corrected. (MVE-9000)
- The bug that the non-linear effect which has been used before appears momentarily when the Non-linear Effect is set to ON, is corrected.
- The bug that the system hangs up at the startup when the setting to enable the graphic to be displayed on the Monitor Output is defined, is corrected.
- The bug that the effect is recalled to all channels when an effect is recalled from the editor interface in the setup that the editor interface is set to the Independent Mode, is corrected.
- The bug that the aspect ratio setup is not displayed correctly, is corrected.
- The bug that the Luminance Key does not work normally is corrected. (MVE-8000A)
- The bug that the Freeze Group Button appears as if multiple Freeze Group Buttons are selected is corrected.
- The bug that an effect loop stops when a Key Frame File is loaded while the Key Frame Run is in progress, is corrected.
- On the MVE-9000, there is the case that an effect is not executed smoothly.
- Size adjustment of rounded corners did not work correctly when video format is HD and aspect is 4:3.

- Combiner settings were not set correctly when changing effect utilizing different DME channels.

#### 1.4.3. Panel Related Bug

- The bug that the file containing the symbol # at the top of its name cannot be loaded in the DDR File Load is corrected.
- The bug that the source name cannot be sent to the AUX remote panel is corrected.
- The bug that ON/OFF of the Pattern Limit are reversed in the macro creation tool using Excel is corrected.
- Under a certain operation sequence, Device Effect are not saved
- The System Manager Enable/Disable function did not work.
- It is not possible to perform file operation on a folder that include comma in folder name
- Macro attach file that within 7 characters are not loaded
- There is a problem saving Locked macros with names that are 8 Characters.
- There is the case that button tally of a panel is not displayed correctly when M/E configuration of a switcher is DSK mode.

## 2. Parts Required for Version Upgrade

### 2.1. Parts Required

#### 2.1.1. Application Software

The following application software are required for upgrading versions of the MVS-8000 system.

Data are stored in the locations as described below:

MVS-8000/SF/A/ASF	/Application/SWR
MKS-8010/8010A/ CCP-9011/9011A/9012/9012A	/Application/PNL and /Application/MENU
MVE-8000/8000A/9000	/Application/DME
MVS-8000A/ASF (FPGA Data)	/SWR_FPGA

\* The software do not have model names because they are not optional.

\*\* Download the software from the specified FTP site.

Name of the application software in this document:

MVS-8000/SF/A/ASF software	MVS Application
MKS-8010/8010A/ CCP-9011/9011A/9012/9012A Main Panel Software	Panel Application
MKS-8010/8010A/ CCP-9011/9,010A/9012/9012A Menu Panel Software	Menu Application
MVE-8000 software	MVE-8000 Application
MVE-8000A software	MVE-8000A Application
MVE-9000 software	MVE-9000 Application
MVS-8000A/ASF FPGA Data	MVS FPGA data

### 2.1.2. MVS-8000 System User's Guide

For operations from the MKS-8010/A

Japanese: User's Guide (Volume 1): 3-206-014-08

Japanese: User's Guide (Volume 2): 3-206-015-08

English: User's Guide (Volume 1): 3-206-016-08

English: User's Guide (Volume 2): 3-206-017-08

English: User's Guide (Volume 1 & 2, PDF): 3-206-013-08

For operations from the CCP-9000/A

Japanese: User's Guide (Volume 1): 3-704-668-05

Japanese: User's Guide (Volume 2): 3-704-669-05

English: User's Guide (Volume 1): 3-704-670-05

English: User's Guide (Volume 2): 3-704-671-05

English: User's Guide (Volume 1 & 2, PDF): 3-815-731-03

## 3. Cautions on Version Upgrade

### 3.1. MVS-8000A/ASF FPGA Data

For the MVS-8000A/ASF, the FPGA data must be installed at the same time. If the FPGA data is not installed, operation of the system is not guaranteed. Be sure to verify the version number of the existing FPGA data that has already been installed before. When the conditions as shown in the following list are all satisfied, the FPGA data of V1.20 has already been installed before hand. In such a case, the Upgrade Package can be used for installation of the software described by these Release Notes. If the conditions as shown in the following list are not



satisfied, the Full Package must be used for installation of the software described by these Release Notes.

Software	Version
MVS8000A-xxx-FPGA-1	V1.20
MVS8000A-xxx-FPGA-2	V1.10
MVS8000A-xxx-FPGA-4	V1.10
MVS8000A-xxx-FPGA-5	V1.20
MVS8000A-xxx-FPGA-6	V1.20
MVS8000A-xxx-FPGA-8	V1.10
MVS8000A-FM-FPGA-1	V1.10
MVS8000A-FM-FPGA-2	V1.20
MVS8000A-OUTPROC-FPGA-1	V1.20

xxx : PP, ME1, ME2, ME3

### 3.2. Verification of the Existing Software Version

Verify the versions of the existing application software by following the steps described below;

- (1) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (2) Verify that versions of the software of the respective equipment have already been upgraded to V1.30 or onward as shown below.

MENU: V1.30 or higher

SWR1 (MVS): V1.30 or higher

DME1 (MVE): V1.30 or higher

PNL1 (Panel): V1.30 or higher

Note: If the version of any equipment has not been upgraded to V1.30 or higher, upgrade them to V1.35 first. After they are upgraded, implement this upgrade.

For the procedure of upgrading versions to V1.35, refer to the V1.35 release notes.

### 3.3. Preparations Before Starting Version Upgrade

#### 3.3.1. Copying the application software to a memory card

- (1) Copy the data that is downloaded from the specified FTP site and saved in the following directory, to a memory card that is commercially available on market.

Some files are compressed. Copy them as they are without uncompressing.

Software: /Application/

FPGA data: /SWR\_FPGA

If all data cannot be copied in a single memory card due to the limited size of memory card,

copy the software data and the FPGA data in the separate memory cards. Replace the memory cards as required in the following procedure.

### 3.4. Other Precautions

- The different software for MVS-8000/SF, MVS-8000A/ASF and DVS-9000/SF are prepared for the respective models. Select the software that corresponds to the correct model when installing the software. Especially, when the software for the MVS-8000/SF is installed in mistake for the software for the MVS-8000A/ASF by mistake, the trouble such as "System does not start up" will occur. Be very careful not to make mistake in selecting the software types. If the software is installed in the state in which the Menu is upgraded to V5.11, the software that is suited for the specific model by default is filtered. Therefore, the software can be installed safely.
- Confirm that the switch No. 8 of the DIP switch (S101) on the CA board of the switcher is set to OFF (note this is the normal setting for this DIP switch).

## 4. Procedure of Version Upgrading

Note: Never turn off the power while the version upgrade is in progress unless otherwise specified. Pay attention to it particularly when software installation is in process. If the power is turned off during the installation, the equipment may not start up.

### 4.1. Calling the User Setup

- (1) Press the following buttons in the order shown: ENG SETUP > System > Start Up to open the Start Up menu (Page 7314).
- (2) Verify that the Start Up mode of SWR1 is "Custom" and that of Setup is "User".
- (3) If above step (2) requirements are not satisfied, move the cursor to SWR1 and, press [Custom] of Start Up Mode and press [User] of Setup in this order. If the requirement specified in step (2) is satisfied, go to step (6).
- (4) In the same way as step (3), move the cursor to PNL1, DME1 and press [Custom] and press [User] of Setup in this order
- (5) Press the [Exec] button, and then "Yes" in reply to the message prompting your confirmation. When step (5) is completed, the Start Up modes of Setup of Switcher (MVS), Panel and DME (MVE) are switched to User.
- (6) Press the [Initialize] button of the neighboring Function key to display "Initialize" menu (page7315).
- (7) Move the cursor to SWR1 and press the [Reset] button.
- (8) Move the cursor to PNL1 and then DME1 in the same way as step (7), and press the [Reset] button.
- (9) Press the [Exec] button, and then "Yes" in reply to the message prompting your confirmation. The Switcher (MVS) and Panel restart by booting with the User Setup.

## 4.2. Saving Data

- (1) Insert a blank compact flash memory card into the memory card adaptor of the control panel.
- (2) Open the File menu (Page 7161) and save [Memory Card] as the destination Device of Save, and select [Setup] and [Initial Status] as the data to be saved.
- (3) Press the [Save] button, and then "Yes" in reply to the message prompting your confirmation.
- (4) Open the File menu (Page 7161) again, and select the data such as [Snapshot] and [Effect] that you want to save.
- (5) Press the [Save] button, and then "Yes" in reply to the message prompting your confirmation.
- (6) When saving is complete, remove the memory stick.

\* There can be a case that the compact flash memory card cannot be recognized so that an error is issued after the above step (3) is executed. In such a case, re-insert the compact flash memory card and repeat the above procedure starting from step (2) once again. If it does not work, make an attempt as described below. Press the following buttons in this order starting from ENG SETUP>System>Maintenance to recognize the USB port again. Then, proceed with above step (2) once again. This operation succeeds in many cases. If a compact flash memory card cannot be recognized in the procedures shown below, try the above-described procedure whenever needed. .

## 4.3. 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) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (3) Select an appropriate procedure from the followings depending on version of the Menu that is currently installed, and perform the procedure as shown below.
  - When the Menu version is before V5.11 (Page 7316.5)
 

Press the [Install] button to show the list of software that are copied in the compact flash memory card on the menu screen.

Move the cursor to the software file that you want to installed, in accordance with the type of Panel that is the target of version upgrade, among the following two types of software.

    - To update the MKS-8010/CCP-9000 to V5.11: MENU CPU (for upgrade from V1.30 or higher)
    - To update the MKS-8010A/CCP-9000A to V5.11: MENU CPU MKS8010A (for full install).
  - When the Menu version is higher than V5.11 (Page 7316.10. In the case of version down to V5.11)
 

Press the [Install] button to show the equipment list and list of software that can be installed.

Then, select Menu from the equipment list and press the [Set] button to turn it ON.

Move the cursor to the software file that you want to installed, in accordance with the type of Panel that is the target of version upgrade, among the following two types of software.

- To update the MKS-8010/CCP-9000 to V5.11: MENU CPU (for upgrade from V1.30 or higher)
- To update the MKS-8010A/CCP-9000A to V5.11: MENU CPU MKS8010A (for full install).

- (4) Press the [Exec] button, and then "Yes" in reply to the message prompting your confirmation.
- (5) File transfer begins. If the message indicating completion of file transfer appears, press "OK".
- (6) Press the Menu number indicating block in the top left of the menu screen to display the Menu number entry pop-up screen.
- (7) Enter "9999" to display the Engineering Menu.
- (8) Press the [Reboot Panel] button to reboot the control panel.

\* You can turn off the SCU power once and back on to reboot SCU instead of performing the above steps (6) through (8). However, we recommend you to follow the above steps (6) through (8).

The next step is to upgrade version of the Linux Kernel.

- (9) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (10) Press the [Install] button to show the equipment list and list of software that can be installed. Then, select Menu from the equipment list and press the [Set] button to turn it ON. Move the cursor to the software file that you want to installed, in accordance with the type of Panel that is the target of version upgrade, among the following two types of software.
  - To upgrade version of the MKS-8010/CCP-9000: MENU CPU SYSTEM SOFTWARE (System Update)
  - To upgrade version of the 8010A/CCP-9000A: MENU CPU MKS8010A SYSTEM (System Update)
- (11) Press the [Exec] button, and then "Yes" in reply to the message prompting your confirmation.
- (12) File transfer begins. If the message indicating completion of file transfer appears, press "OK".
- (13) Press the Menu number indicating block in the top left of the menu screen to display the Menu number entry pop-up screen.
- (14) Enter "9999" to display the Engineering Menu.
- (15) Press the [Reboot Panel] button to reboot the control panel.
- (16) Enter "9999" to display the Engineering Menu and verify version of 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

- \* If your system is using MKS-8010A and version of the system software is V3.11, continue installation by executing the step (9) and the subsequent steps as shown below to install the countermeasure software against the FTP trouble.
- \* When installation of the required software is complete, continue to execute the following operations.
  - (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. Then press the [Define] button.
  - (4) When a message prompting your confirmation appears, press "Yes".

#### **4.4. Installation of the Switcher Software and FPGA Data (MVS-8000A/SF only)**

- (1) Insert a compact flash memory card in which the application software is copied, into the memory card adaptor.
- (2) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (3) Press the [Install] button to show the equipment list and list of software that can be installed. Then, select SWR from the equipment list and press the [Set] button to turn it ON.
- (4) Move the cursor to the desired software that you want to install from the following software as shown below in accordance with the version upgrade target, and press the [Exec] button. When the message prompting your confirmation appears, press "Yes". (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 product for the MVS-8000/SF, select MVS8000/SF Proc. With New2nd [V5.11] (NO FPGA) as the file to be installed.

When upgrading MVS-8000 to V5.11 from the version before V1.35: MVS8000 Proc. [V5.11] (for full installation)

When upgrading MVS-8000 to V5.11 from V1.35 and higher: MVS8000 Proc. [V5.11] (for upgrade)

When upgrading MVS-8000 to V5.11 from V3.00 and higher: MVS8000 Proc. [V5.11] (for NO FPGA)

When upgrading MVS-8000SF to V5.11 from the version before V1.35: MVS8000SF Proc. [V5.11] (for full installation)

When upgrading MVS-8000SF to V5.11 from V1.35 and higher: MVS8000SF Proc. [V5.11] (for upgrade)

When upgrading MVS-8000SF to V5.11 from V3.00 and higher: MVS8000SF Proc. [V5.11]  
(for NO FPGA)

When upgrading MVS-8000A to V5.11 from V3.20 and higher: MVS8000A Proc. [V5.11]  
(for upgrade)

When upgrading MVS-8000ASF to V5.11 from V3.20 and higher: MVS8000ASF Proc.  
[V5.11] (for upgrade)

(5) File transfer begins. If the message indicating completion of file transfer appears, press "OK".

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

(6) Insert a memory card in which the FPGA data is copied, into the memory card adaptor.

(7) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).

(8) Press the [Install] button to show the equipment list and list of software that can be installed. Then, select SWR from the equipment list and press the [Set] button to turn it ON.

(9) Move the cursor to the desired FPGA data that you want to install from the FPGA data list as shown below, and press the [Exec] button. When the message prompting your confirmation appears, press "Yes".

- When upgrading the FPGA data of the MVS-8000A to V1.30 from V1.20: MVS8000A-FPGA Upgrade
- When upgrading the FPGA data of the MVS-8000A to V1.30 from any version other than V1.20: MVS8000A-FPGA Full
- When upgrading the FPGA data of the MVS-8000ASF to V1.30 from V1.20: MVS8000ASF-FPGA Upgrade
- When upgrading the FPGA data of the MVS-8000ASF to V1.30 from any version other than V1.20: MVS8000ASF-FPGA Full

(10) 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.

(11) Turn off the power of the MVS once and back on again to re-start the MVS.

If the MVS8000-COMM1-BOOT software is not yet upgraded to "V1.3", and when the MVS8000-COMM1-APP is not yet upgraded to "V1.6", the following steps must be executed in order to install the COMM1 software. So please continue.

(12) After rebooting, open the Install menu (Page 7316) again.

- (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 and press the [Set] button to turn it ON.
- (14) Move the cursor to the following file from the installable software, and press the [Exec] button. When the message prompting your confirmation appears, press "Yes".  
- MVS8000/DVS9000/SF (Comm1 Only) [V5.11]
- (15) File transfer begins. If the message indicating completion of file transfer appears, press "OK".
- (16) Turn off the power of the MVS once and back on again to re-start the MVS.

#### 4.5. Installing the Panel 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 PNL1 and, press [Custom] of Start Up mode and press [Factory] of Setup in this order.
- (3) Press the [Exec] button, and then "Yes" in reply to the message prompting your confirmation.  
When the above operations are complete, the Start Up Mode of Setup is set 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 SWR from the equipment list and press the [Set] button to turn it ON.
- (7) Move the cursor to the desired software from the following software as shown below depending on the type of the panel that you want to update, and press the [Exec] button. When the message prompting your confirmation appears, press "Yes".  
- To update the MKS-8010/CCP-9000 to V5.11: MKS8010A/CCP9000A PNL CTRL \*Upgrade\*  
- To update the MKS-8010A/CCP-9000A to V5.11: MKS8010A/CCP9000A PNL CTRL \*Upgrade\*
- (8) File transfer begins. If the message indicating completion of file transfer appears, press "OK".
- (9) Turn off the power of the SCU once and back on again to re-start the SCU.

#### 4.6. Installing the DME (MVE) Software

- (1) Insert a compact flash memory card in which the application software is copied, into the memory card adaptor.
- (2) Press the following buttons in the order shown: ENG SETUP > System > Install to open the Install menu (Page 7316).
- (3) Press the [Install] button to show the equipment list and list of software that can be installed.  
Then, select DME from the equipment list and press the [Set] button to turn it ON.

- (4) Move the cursor to the desired software that you want to install from the following three software in accordance with the DME that you want to upgrade as shown below, and press the [Exec] button. When the message prompting your confirmation appears, press "Yes".
  - \* For upgrading version of MVE-8000 to V5.11: MVE-8000 [V5.11]
  - \* For upgrading the version of MVE-8000A to V5.11: MVE-8000A [V5.11]
  - \* For upgrading version of MVE-9000 to V5.11: MVE-9000 [V5.11]
- (5) File transfer begins. If the message indicating completion of file transfer appears, press "OK".
- (6) Turn off the power of the MVE once and back on again to re-start the MVE.

When you are upgrading the MVE-9000 from V2.xx, you need to continue the following steps after the system is re-booted because the pattern for Texture Lighting is not installed yet at this stage. (It means that the installation work should be repeated two times.)

When you are upgrading the MVE-9000 from V3.00 and onward, the following step is not needed.

- (7) Repeat the above steps (2) through (6) again and install the MVE-9000 software again.

#### **4.7. Clearing Memory and Rebooting**

- (1) Press the following buttons in the order shown: ENG SETUP > System > Initialize to display the Initialize menu (Menu 7315).
- (2) Move the cursor to SWR1 and press the [All Clear] button.
- (3) Move the cursor to PNL1 and then DME1 in the same way as step (2), and press the [All Clear] button.
- (4) Press the [Exec] button, and then "Yes" in reply to the message prompting your confirmation.

#### **4.8. Data Loading**

- (1) Insert a memory card in which data has been saved in section 4.2, in the memory card adaptor of the control panel.
- (2) Use the File menu (Page 7161) and select [Memory Card] as the source device of data loading, and select [Setup] and [Initial Status] as the data to be loaded.
- (3) Press the [Load] button, and then "Yes" in reply to the message prompting your confirmation.
- (4) Select the File menu (Page 7161) again, and select the data such as [Snapshot] and [Effect] that you want to load.
- (5) Press the [Load] button, and then "Yes" in reply to the message prompting your confirmation.
- (6) When loading is complete, remove the memory card.

#### **4.9. 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 SWR1 and press the [Setup Define] button. When the message prompting your confirmation appears, press "Yes".



- (3) Press the [Initial Status Define] button, and then "Yes" in reply to the message prompting your confirmation.
- (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) Move the cursor to DME1 and press the [Setup Define] button. When the message prompting your confirmation appears, press "Yes".
- (7) Press the [Initial Status Define] button, and then "Yes" in reply to the message prompting your confirmation.

#### 4.10. 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 to show the Install menu (Page 7316).
- (2) Confirm that the respective software are upgraded to the versions as described below on the menu.

Menu: Version 5.11 (Dec.26.2005 19:46)

PNL1: Version 5.11 (Dec.28.2005 15:00)

SWR1: Version 5.11 (Dec.27.2005 18:12)

DME1: Version 5.11 (Dec.23.2005 13:58)

\* 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 SWR application software. If the correct version number of SWR is displayed on the menu as shown above, it indicates that the installation has ended with success. However for your confirmation, check the detailed information of the software that is installed in the SWR using the procedure as shown below.

- (3) Move the cursor to "Menu" and press the [Detail Information] button. As the software list is displayed, confirm that the displayed list agrees with the following list. Confirm the displayed versions of the other products too, in the same way.

Menu (For MKS-8010/CCP-9000)

Software	Version
MKS8010-MENU-GUI	Version 5.11 (Dec.26.2005 19:47)
MKS8010-MENU-IF	Version 5.11 (Dec.26.2005 19:47)

\* 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	Version
MKS8010A-MENU-GUI	Version 5.11 (Dec.26.2005 19:59)
MKS8010A-MENU-IF	Version 5.11 (Dec.26.2005 19:59)
MKS8010A-MENU-PIE(*1)	Version 1.12 (Dec.20.2005 16:00)
MKS8010A-MENU-GUI-RECOVERY	Version 5.11 (Dec.26.2005 19:59)
MKS8010A-MENU-IF-RECOVERY	Version 5.11 (Dec.26.2005 19:59)
MKS8010A-MENU-PIE-RECOVERY(*1)	Version 1.12 (Dec.20.2005 16:00)
MKS8010A-MENU-GUI-RESTORE	Version 5.11 (Dec.26.2005 19:59)
MKS8010A-MENU-IF-RESTORE	Version 5.11 (Dec.26.2005 19:59)
MKS8010A-MENU-PIE-RESTORE(*1)	Version 1.12 (Dec.20.2005 16:00)

\* 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.

(\*1) It is displayed only when license of the Editing Control Software is valid.

## PNL (For MKS-8010)

Software	Version
MKS8010-CTRL-MAIN-BOOT	Version 1.10 (Dec.14.2001 15:57)
MKS8010-CTRL-MAIN-APP	Version 5.11 (Dec.28.2005 15:00)
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.

## PNL (For CCP-9000)

Software	Version
CCP-9000-CTRL-MAIN-BOOT	Version 1.10 (Dec.14.2001 15:57)
CCP-9000-CTRL-MAIN-APP	Version 5.11 (Dec.28.2005 15:00)
CCP-9000-CTRL-COMM1-BOOT	Version 1.3 (Mar.18.2003 22:10)
CCP-9000-CTRL-COMM1-APP	Version 1.3 (Mar.18.2003 22:10)
CCP-9000-CTRL-COMM2-BOOT	Version 1.3 (Mar.18.2003 22:10)
CCP-9000-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.

## PNL (For MKS-8010A)

Software	Version
MKS8010A-CTRL-MAIN-BOOT	Version 1.30 (May.25.2005 16:12)
MKS8010A-CTRL-MAIN-APP	Version 5.11 (Dec.28.2005 15:00)
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.

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

## PNL (For CCP-9000A)

Software	Version
CCP-9000A-CTRL-MAIN-BOOT	Version 1.30 (May.25.2005 16:12)
CCP-9000A-CTRL-MAIN-APP	Version 5.11 (Dec.28.2005 15:00)
CCP-9000A-CTRL- COMM1-BOOT	Version 1.10 (Jul.26.2005 14:37)
CCP-9000A-CTRL- COMM1-APP	Version 2.03 (Jan.6.2005 14:49)
CCP-9000A-CTRL- COMM2-BOOT	Version 1.10 (Jul.26.2005 14:37)
CCP-9000A-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.

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

## SWER (for MVS-8000/SF software)

Software	Version
MVS8000-MAIN-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000-MAIN-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000-COMM2-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000-COMM2-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000-XPT-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000-XPT-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000-FM-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000-FM-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000-FM-FPGA	Version 2.00 (Nov.28.2002 15:14)
MVS8000-MVEIF-BOOT	Version 5.11 (Dec.27.2005 18:11)

MVS8000-MVEIF-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000-OUTPROC-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000-OUTPROC-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000-ME3-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000-ME3-APP	Version 5.11 (Dec.27.2005 18:12)
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 5.11 (Dec.27.2005 18:11)
MVS8000-ME2-APP	Version 5.11 (Dec.27.2005 18:12)
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 5.11 (Dec.27.2005 18:11)
MVS8000-ME1-APP	Version 5.11 (Dec.27.2005 18:12)
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 5.11 (Dec.27.2005 18:11)
MVS8000-PP-APP	Version 5.11 (Dec.27.2005 18:12)
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 V1.3 (Mar.18.2003 22:10)
MVS8000-COMM1-APP	Version V1.6 (Jul.26.2005 18:02)
MVS8000-CCR-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000-CCR-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000-CCR-FPGA	Version 2.03 (Sep.4.2003 20:00)

\* 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 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 is used as the repair board of the XPT-18/21 board, the BOOT software becomes V5.11.

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	Version
MVS8000A-MAIN-BOOT	Version 5.11 (Dec.27.2005 18:11)

MVS8000A-MAIN-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-COMM2-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000A-COMM2-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-XPT-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000A-XPT-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-FM-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000A-FM-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-FM-FPGA-1	Version V1.10 (Oct.27.2004 09:37)
MVS8000A-FM-FPGA-2	Version V1.20 (Oct.27.2004 09:44)
MVS8000A-CCR-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000A-CCR-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-CCR-FPGA-1	Version V2.03 (Sep.04.2003 20:00)
MVS8000A-MVEIF-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000A-MVEIF-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-MVEIF- FPGA-1	Version V2.00 (Feb.24.2003 18:50)
MVS8000A-OUTPROC-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000A-OUTPROC-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-OUTPROC- FPGA-1	Version V1.20 (Oct.27.2004 09:48)
MVS8000A-OUTPROC- FPGA-2	Version V1.00 (Apr.27.2004 21:04)
MVS8000A-ME3-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000A-ME3-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-ME3-FPGA-1	Version V1.20 (Oct.20.2004 10:05)
MVS8000A-ME3-FPGA-2	Version V1.10 (Oct.27.2004 10:06)
MVS8000A-ME3-FPGA-3	Version V1.00 (Apr.28.2004 10:43)
MVS8000A-ME3-FPGA-4	Version V1.10 (Oct.27.2004 09:32)
MVS8000A-ME3-FPGA-5	Version V1.20 (Oct.27.2004 09:42)
MVS8000A-ME3-FPGA-6	Version V1.20 (Oct.28.2004 10:44)
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 5.11 (Dec.27.2005 18:11)
MVS8000A-ME2-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-ME2-FPGA-1	Version V1.20 (Oct.20.2004 10:05)
MVS8000A-ME2-FPGA-2	Version V1.10 (Oct.27.2004 10:06)
MVS8000A-ME2-FPGA-3	Version V1.00 (Apr.28.2004 10:43)
MVS8000A-ME2-FPGA-4	Version V1.10 (Oct.27.2004 09:32)
MVS8000A-ME2-FPGA-5	Version V1.20 (Oct.27.2004 09:42)
MVS8000A-ME2-FPGA-6	Version V1.20 (Oct.28.2004 10:44)

MVS8000A-ME2-FPGA-7	Version V1.00 (Apr.28.200410:44:00)
MVS8000A-ME2-FPGA-8	Version V1.10 (Oct.20.2004 09:32)
MVS8000A-ME2-SOLID	Version 1.00 (Jul.10.2001 13:52)
MVS8000A-ME1-BOOT	Version 5.11 (Dec.27.2005 18:11)
MVS8000A-ME1-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-ME1-FPGA-1	Version V1.20 (Oct.20.2004 10:05)
MVS8000A-ME1-FPGA-2	Version V1.10 (Oct.27.200410:06:00)
MVS8000A-ME1-FPGA-3	Version V1.00 (Apr.28.2004 10:43)
MVS8000A-ME1-FPGA-4	Version V1.10 (Oct.27.2004 09:32)
MVS8000A-ME1-FPGA-5	Version V1.20 (Oct.27.2004 09:42)
MVS8000A-ME1-FPGA-6	Version V1.20 (Oct.28.2004 10:44)
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 5.11 (Dec.27.2005 18:11)
MVS8000A-PP-APP	Version 5.11 (Dec.27.2005 18:12)
MVS8000A-PP-FPGA-1	Version V1.20 (Oct.20.2004 10:05)
MVS8000A-PP-FPGA-2	Version V1.10 (Oct.27.2004 10:06)
MVS8000A-PP-FPGA-3	Version V1.00 (Apr.28.2004 10:43)
MVS8000A-PP-FPGA-4	Version V1.10 (Oct.27.2004 09:32)
MVS8000A-PP-FPGA-5	Version V1.20 (Oct.27.2004 09:42)
MVS8000A-PP-FPGA-6	Version V1.20 (Oct.28.2004 10:44)
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 V1.3 (Mar.18.2003 22:10)
MVS8000A-COMM1-APP	Version V1.6 (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.

#### DME (For MVE-8000)

Software	Version
MKS8800-MAIN-BOOT	Version 1.01 (Dec.14.2001 21:57:00)

MKS8800-MAIN-APP	Version 5.11 (Dec.23.2005 13:58)
MKS8800-COMM1-BOOT	Version 1.10 (Dec.14.2001 21:56:00)
	or Version 1.30 (Apr.8.2003 13:22)
MKS8800-COMM1-APP	Version 5.11 (Dec.23.2005 13:54)
MKS8800-COMM2-BOOT	Version 1.10 (Dec.14.2001 21:57:00)
	or Version 1.10 (Dec.10.2001 21:57)
	or Version 1.31 (Aug.12.2005 22:48)
MKS8800-COMM2-APP	Version 5.11 (Dec.23.2005 13:55)
MKS8800-VIF-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-VIF-APP	Version 5.11 (Dec.23.2005 13:47)
MKS8800-DVP1-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-DVP1-APP	Version 5.11 (Dec.23.2005 13:47)
MKS8800-DVP2-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-DVP2-APP	Version 5.11 (Dec.23.2005 13:47)
MKS8800-DVP3-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-DVP3-APP	Version 5.11 (Dec.23.2005 13:47)
MKS8800-DVP4-BOOT	Version 1.00 (Jun.8.2001 18:39)
MKS8800-DVP4-APP	Version 5.11 (Dec.23.2005 13:47)

\* 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 of the version numbers and the dates on the display and 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	Version
MVE-8000A-MAIN-BOOT	Version 1.90 (Dec.23.2005 13:56)
MVE-8000A-MAIN-APP	Version 5.11 (Dec.23.2005 14:07)
MVE-8000A-COMM1-BOOT	Version 1.60 (Dec.23.2005 14:00)
MVE-8000A-COMM1-APP	Version 5.11 (Dec.23.2005 14:00)
MVE-8000A-COMM2-BOOT	Version 1.60 (Dec.23.2005 14:02)
MVE-8000A-COMM2-APP	Version 5.11 (Dec.23.2005 14:03)
MVE-8000A-VIF-BOOT	Version 1.90 (Dec.23.2005 13:56)
MVE-8000A-VIF-APP	Version 5.11 (Dec.23.2005 13:55)
MVE-8000A-DVP1-BOOT	Version 1.90 (Dec.23.2005 13:56)
MVE-8000A-DVP1-APP	Version 5.11 (Dec.23.2005 13:55)

MVE-8000A-DVP2-BOOT	Version 1.90 (Dec.23.2005 13:56)
MVE-8000A-DVP2-APP	Version 5.11 (Dec.23.2005 13:55)
MVE-8000A-DVP3-BOOT	Version 1.90 (Dec.23.2005 13:56)
MVE-8000A-DVP3-APP	Version 5.11 (Dec.23.2005 13:55)
MVE-8000A-DVP4-BOOT	Version 1.90 (Dec.23.2005 13:56)
MVE-8000A-DVP4-APP	Version 5.11 (Dec.23.2005 13:55)

\* 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 lists are 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.

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	Version
MVE9000-MAIN-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-MAIN-APP	Version 5.11 (Dec.23.2005 14:22)
MVE9000-COMM1-BOOT	Version 1.60 (Dec.23.2005 14:13)
MVE9000-COMM1-APP	Version 5.11 (Dec.23.2005 14:13)
MVE9000-COMM2-BOOT	Version 1.60 (Dec.23.2005 14:16)
MVE9000-COMM2-APP	Version 5.11 (Dec.23.2005 14:16)
MVE9000-VIF-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-VIF-APP	Version 5.11 (Dec.23.2005 14:02)
MVE9000-DVP1-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-DVP1-APP	Version 5.11 (Dec.23.2005 14:02)
MVE9000-DVP2-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-DVP2-APP	Version 5.11 (Dec.23.2005 14:02)
MVE9000-DVP3-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-DVP3-APP	Version 5.11 (Dec.23.2005 14:02)
MVE9000-DVP4-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-DVP4-APP	Version 5.11 (Dec.23.2005 14:02)
MVE9000-DVP5-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-DVP5-APP	Version 5.11 (Dec.23.2005 14:02)
MVE9000-DVP6-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-DVP6-APP	Version 5.11 (Dec.23.2005 14:02)
MVE9000-DVP7-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-DVP7-APP	Version 5.11 (Dec.23.2005 14:02)



MVE9000-DVP8-BOOT	Version 1.90 (Dec.23.2005 14:04)
MVE9000-DVP8-APP	Version 5.11 (Dec.23.2005 14:02)

\* 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 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.

## **5. Compatibility with Previous Versions**

The files (setup files, snap shot files, key frames and others) of the previous versions can be used in this version. Use of the files of the previous versions will not create any compatibility problem.