BKP CONVERTER MANUAL

1.INTRODUCTION

This manual describes BKP CONVERTER (**BKPC.exe**).

This tool converts the dictionary data registered in the PV into a memory file (MEM/DMEM file), which can be reproduced by the SIM3022 simulator for Windows **(Sim3022.exe)**(to be referred to as the simulator hereinafter).

2.EXECUTION ENVIRONMENT

It is recommended to run BKP CONVERTER in the following environment.

OS	Windows 95/98, and Windows NT 4.0SP3 or later
CPU	Pentium 200MHz or more
Memory	64 MB or more
HDD	Free capacity 10 MB or more

3.OPERATION (BKP CONVERTER)

This section describes the functions of menu commands and the roles of dialog items for BKP CONVERTER (**BKPC.exe**).

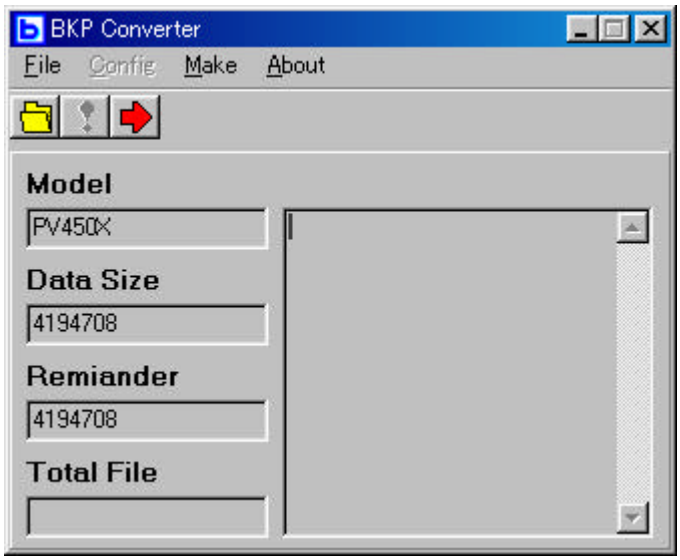

FIG1 BKP CONVERTER Proper

3.1 Precautions for Operation

When operating BKP CONVERTER, observe the following:

Do not delete the BKPCFG.INI file in the folder where the BKP CONVERTER executing file is included. (Because the model file has been saved)

3.2 Menu Commands

<1> [OPEN][In FILE]

Opens the backup file (extension:.BKP).

<2> [EXIT][In FILE]

Exits BKP CONVERTER.

<3> [CONFIG]

Opens the CONFIG dialog to allow you to check the details of each model file.
(At the BKP file which cannot be recognized)

<4> [MAKE]

Converts the BKP file into the memory file (MEM/DMEM file)

<5> [ABOUT]

Displays "ABOUT BKP CONVERTER."

3.3 Description of Items

<1> MODEL

Displays the model file.

<2> DATASIZE

Displays the number of bytes of the BKP file (in bytes).

<3> REMAINDER

Displays the number of bytes of the unconverted BKP file.

<4> TOTAL FILE

Displays the total number of memory files.

<5> DISPLAY

Displays the converted memory file name and number of bytes.

The converted memory file name automatically assumes **MEMX.BIN (X is 0, 1, 2, 3, 4, and so on).**
If compounded with the simulator's memory file, the memory file name will be **DMEMY.BIN (Y is the number of the united memory file).**

3.4 CONFIG Dialog

The CONFIG dialog displays a list of model files.

Of the model files, the one displayed in blue can be selected.

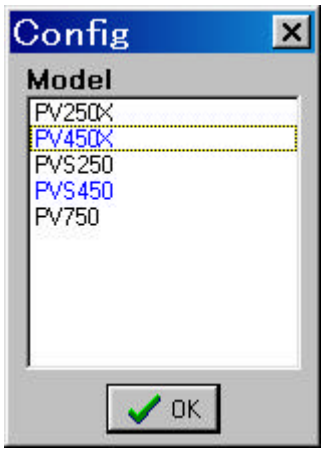

FIG2 CONFIG Dialog

If the model file is double-clicked on the dialog, the **MODEL SETTING dialog** will be opened, which allows you to confirm the settings of that model file.

3.5MODEL SETTING Dialog

The MODEL SETTING dialog is to confirm the settings of each model.

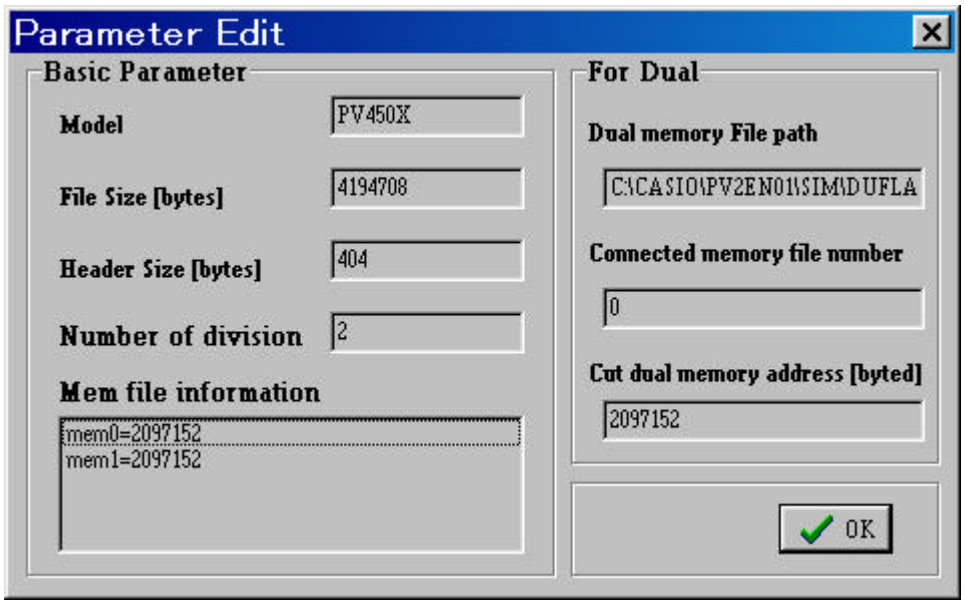

Fig.3 MODEL SETTING Dialog

<1> MODEL

Displays the model file name.

<2> BKP SIZE

Displays the BKP file size (in bytes) used for this model.

<3> HEADER SIZE

Displays the header size in the BKP file.

<4> NUMBER OF DIVISION

Displays the number of divisions of the MEM file.

<5> MEM FILE INFORMATION

Displays the number of bytes of each memory file (MEM file)(in bytes).

<6> DUAL MEMORY FILE PATH

Displays the full path of the simulator's memory file used to generate the DMEM file required for a specific model.

<7> CONNECTED MEMORY FILE NUMBER

Displays the number of MEM file used to generate the DMEM file required for a specific model.

<8> CUT DUAL MEMORY ADDRESS

Displays the address to be cut from the simulator's memory file to be used.

4.HOW TO PORT TO SIMULATOR

This section describes how to use the memory file on the simulator, which has been converted by BKP converter.

If the CPJ file is altered by mistake, the simulator will be disabled.
When altering it, be sure to back it up.

4.1For the PV-250X

<1> Open the **C:/CASIO/PV2EN01/SIM/PV250X.CPJ file** with the editor.
<2> Rewrite the following portion in the PV250X.CPJ file to save the CPJ file.

PV250X.CPJ File

[CSGROUP8]
CHIPNAME0=USERFLASH
CHIPFILE0=**Sim/STDflash16.bin** <-Alter to **Sim/MEM0.bin**
CHIPPROGAREA0=0
CHIPOFFSET0=0
CHIPKIND0=2
CHIPCODE0=MBM29LV160B
CHIPBUS0=16

4.2 For the PV-450X

<1> Open the **C:/CASIO/PV2EN01/SIM/PV450X.CPJ file** with the editor.

<2> Rewrite the following two portions in the PV450X.CPJ file to save the CPJ file.

PV450X.CPJ File

```
[CSGROUP5]
CHIPNAME0=SYSTEM00
CHIPFILE0=BIOS/BIOSBIND.00
CHIPPROGAREA0=0
CHIPOFFSET0=0
CHIPKIND0=1
CHIPCODE0=
CHIPBUS0=8
CHIPNAME1=SYSTEM01
CHIPFILE1=C/Bin/APLALL.bin
CHIPPROGAREA1=0
CHIPOFFSET1=20000
CHIPKIND1=1
CHIPCODE1=
CHIPBUS1=8
CHIPNAME2=DUALFLASH
CHIPFILE2=Sim/DUFLASH32.BIN   <-Alter to Sim/DMEM0.BIN
CHIPPROGAREA2=200000

[CSGROUP8]
CHIPNAME0=USERFLASH
CHIPFILE0=Sim/Uflash16.bin   <-Alter to Sim/MEM1.BIN
CHIPPROGAREA0=0
```

4.3 For the PV-S250

<1> Open the **C:/CASIO/PV2EN02/SIM/PVS250.CPJ file** with the editor.

<2> Rewrite the following portion in the PVS250.CPJ file to save the CPJ file.

PVS250.CPJ File

CHIPNAME2=DUALFLASH
CHIPFILE2=**Sim/DUFLASH32.BIN** <-Alter to **Sim/DMEM0.BIN**
CHIPPROGAREA2=200000
CHIPOFFSET2=0
CHIPKIND2=2
CHIPCODE2=MBM29DL324B
CHIPBUS2=16

4.4 For the PV-S450

<1> Open the **C:/CASIO/PV2EN02/SIM/PVS450.CPJ file** with the editor.

<2> Rewrite the following two portions in the PVS450.CPJ file to save the CPJ file.

PVS450.CPJ File

CHIPNAME2=DUALFLASH
CHIPFILE2=**Sim/DUFLASH32.BIN** <-Alter to **Sim/DMEM0.BIN**
CHIPPROGAREA2=200000
CHIPOFFSET2=0
CHIPKIND2=2
CHIPCODE2=MBM29DL324B
CHIPBUS2=16

[CSGROUP8]
CHIPNAME0=USERFLASH
CHIPFILE0=**Sim/STDflash16.bin** <-Alter to **Sim/MEM1.BIN**
CHIPPROGAREA0=0
CHIPOFFSET0=0
CHIPKIND0=2
CHIPCODE0=MBM29LV160B
CHIPBUS0=16

4.5 For the PV-750 (PV-750Plus)

<1> Open the **C:/CASIO/PV2EM01/SIM/PV750.CPJ file** with the editor.
(For the PV-750Plus, open the **C:/CASIO/PV2EM02/SIM/PV750.CPJ file**.)

<2> Rewrite the following portion in the PV750.CPJ file to save the CPJ file.

PV750.CPJ File

CHIPNAME2=DUALFLASH
CHIPFILE2=**Sim/DUFLASH32.BIN** <- Alter to **Sim/DMEM0.BIN**
CHIPPROGAREA2=200000
CHIPOFFSET2=0
CHIPKIND2=2
CHIPCODE2=MBM29DL324B
CHIPBUS2=16