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CD
Development Tool
Description File

Doc. # ST-211-110494

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Document name CD Development Tool Description File

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*****
•readme.doc type           : CD development tool description file
•File code name            : MANBINCD.DOC
•Target driver code name   : BINCD
•Target driver name       : CD development tools
•Version                   :
•Programmer                :
•Programmed date          : 10/25/94
•Other message             : None
*****

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1. CD Development Tools

Be sure to use the current (or a later) distribution version of the CD development tools.

Install these tools into the directory equivalent to the software library
<SATURN\SEGABIN\BINCD>.

2. VCDEMU.EXE (Version 1.72)

2.1 Modification from version 1.5x to version 1.70

Version 1.70 implements multi-index and scan replay. (Scan play is possible only in real-time emulation mode.)

2.2 Modification from Version 1.70 to Version 1.71

The bug fix in opening and closing the CD tray.

2.3 Modification from Version 1.71 to Version 1.72

Version 1.72 corrects the problem that caused the wrong file to be obtained during file retrieval in direct DOS mode. This version also corrects the problem that caused line number at the bottom right of the screen to be displayed with a minus symbol.

2.4 Limitations

The current version does not support the file interleaving at the direct DOS-file access.

2.5 Caution

To operate VCDEMU.EXE Version 1.7x or later, replace the ROM on the virtual CD board with Version 3.2.

3. VCDPRE.EXE, VCDBUILD.EXE (Version 3.03)

3.1 Modifications from version 2.11 to Version 2.16

- Always set the directory record at the beginning of the sector when the number of files is large and the directory file extends over multiple sectors.
- The processing stops when a duplicate file name is detected.
- The problem that occurred during directory configuration was corrected.
- The processing speed increased to two to six times faster.

3.2 Modifications from version 2.16 to version 3.02

- Version 3.02 became the DOS extender (DOS/4G) version and is able to check the operation of up to about 10,000 files (in computers equipped with 8 megabytes of memory).

- The error in the directory record position was corrected.
- The shift in the TOC position of the audio data in the CDDA track was corrected.

3.3 Modification from Version 3.02 to Version 3.03

- The problem in the directory pass table was corrected.

3.4 Modification from Version 3.03 to Version 3.04

- Version 3.04 corrects the file position problem that occurred when the directory was defined after track specification.

3.5 Caution

In version 3.xx (2.xx), the syntax of the script file is different from the syntax used in versions 1.xx. Users of version 1.xx must change the script file. For details, refer to the script description example.

4. VCDUTL.EXE (Version 1.00)

VCDUTL.EXE is the tool that updates some of the image files.

5. VCDMKTOC.EXE (Version 1.23)

VCDMKTOC.EXE is the tool that generates a TOC information file for write-once CDs. (This tool was upgraded with corresponding to the upgrading and debugging of the VCDPRE.EXE and VCDBUILD.EXE version.)

6. SWAPEXE (Version 1.00)

SWAP.EXE is an endian conversion program for CD-DA data.

7. SEGACDWEXE (Version 1.00, Release 1.00)

SEGACDW.EXE is CD writer commands.

8. Script Description Examples (EXSAMPLE.SCR, JVC.SCR, BRTMPFS.SCR)

This is an example of the new script file for VCDPRE version 2.xx. Refer to this example during script modification.

The script files (JVC.SCR and BRTMPFS.SCR) that were provided in the software library were changed.

Other: Replacement of EPROM (version 3.2) in virtual CD interface board
This revision corrects the problem that prevented CD-DA data on the virtual CD from being played in multiplayer mode.

***** end of file *****

Translator's Notes

1. In 3.1, the following item is listed twice:

- The tool was modified so that processing stops when a duplicate file name is detected.

