

Disk Startup on the DTL-T10000

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About This Manual

This is the Runtime Library Release 2.4 version of the *Disk Startup on the DTL-T10000* manual.

It describes the method for starting up an application from a normal startup disk on the DTL-T10000 or DTL-T10000H using the dsedb boot parameter.

Changes Since Last Release

- In "Disk Startup on the DTL-T10000", descriptions of the methods for specifying flash replacement and memory size have been added.
- In the "Startup Procedure" section of "Disk Startup on the DTL-T10000", a procedure for switching to disk mode according to memory has been added.
- In "Disk Startup on the DTL-T10000", the "Precaution" item has been deleted.

Related Documentation

The Developer Support Web site posts current developments regarding documentation and also provides notice of future documentation releases and upgrades.

Typographic Conventions

Certain Typographic Conventions are used throughout this manual to clarify the meaning of the text:

Convention	Meaning
<code>courier</code>	Indicates literal program code.
<i>italic</i>	Indicates names of arguments and structure members (in structure/function definitions only).
medium bold	Indicates data types and structure/function names (in structure/function definitions only).
blue	Indicates a hyperlink.

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Disk Startup on the DTL-T10000

An application can be started from a normal startup disk on the DTL-T10000 or DTL-T10000H using the dsedb boot parameter, in a manner similar to the DTL-H10000. This method is described below.

The flash memory can be replaced during disk startup. After replacement, the memory size can also be set.

IOP flash memory replacement methods

Table 1

Development mode	<ul style="list-style-type: none"> - Most current IOP debugging environment. - DTL-T10000 flash must match library version on disk.
Test mode	<ul style="list-style-type: none"> - IOP debugger supported at level of release 1.3.4 functionality (1/19/00 release). - DTL-T10000 flash need not match library version on disk.

Memory size after IOP replacement

Table 2

8MB mode	Memory size after IOP module replacement is 8 MB.
2MB mode	Memory size after IOP module replacement is 2 MB.

If replacement is not performed, the IOP memory size remains at 8 MB.

The startup method is described below. Except where specifically stated otherwise, the term "DTL-T10000" below also includes the DTL-T10000H.

Startup Procedure

The procedure for starting an application from a startup disk on the DTL-T10000 is as follows.

1. Insert the startup disk in the DTL-T10000.
2. Switch to disk boot mode.

Start dsedb and execute the following commands.

- To run in 8 MB development mode.
dsedb S> reset 2 0
- To run in 2 MB development mode.
dsedb S> reset 2 80
- To run in 8 MB test mode.
dsedb S> reset 2 100
- To run in 2 MB test mode.
dsedb S> reset 2 180

The prompt will change from "dsedb S>" to "dsedb R>" and the DTL-T10000 will be started up by loading the application from disk.

3. Return to original mode.

When you are finished using the DTL-T10000, enter the following command to return to original mode.

```
dsedb R> reset 0 0
```

As a simpler method, you can execute the application from the startup disk by inserting the startup disk in the DTL-T10000 and executing the following command.

```
$ dsreset 2 100 (8 MB test mode)
```

Error Messages

If the application on the disk cannot be started up when the mode is switched to disk boot mode by the reset command, one of the following error messages will be displayed.

This is not PlayStation 2 disk. XXXX is detected.

This message is displayed when the disk that is inserted in the CD/DVD-ROM drive is not a PlayStation 2 disk. The type of disk that was detected will be displayed for XXXX.

Disk is not detected.

This message is displayed when no disk has been inserted in the CD/DVD-ROM drive.

can't open 'SYSTEM.CNF'

This message is displayed when the SYSTEM.CNF file could not be opened. Check whether the SYSTEM.CNF file exists and whether the filename is valid.

can't read 'SYSTEM.CNF'

This message is displayed when the SYSTEM.CNF file cannot be read.

error in 'SYSTEM.CNF'

This message is displayed when an error was detected in the SYSTEM.CNF format.
Check the contents of SYSTEM.CNF.

can't open 'XXXX'

This message is displayed when the startup file could not be opened. Since the startup filename that is specified in SYSTEM.CNF is displayed for XXXX, check whether the startup file exists and that the filename is valid.