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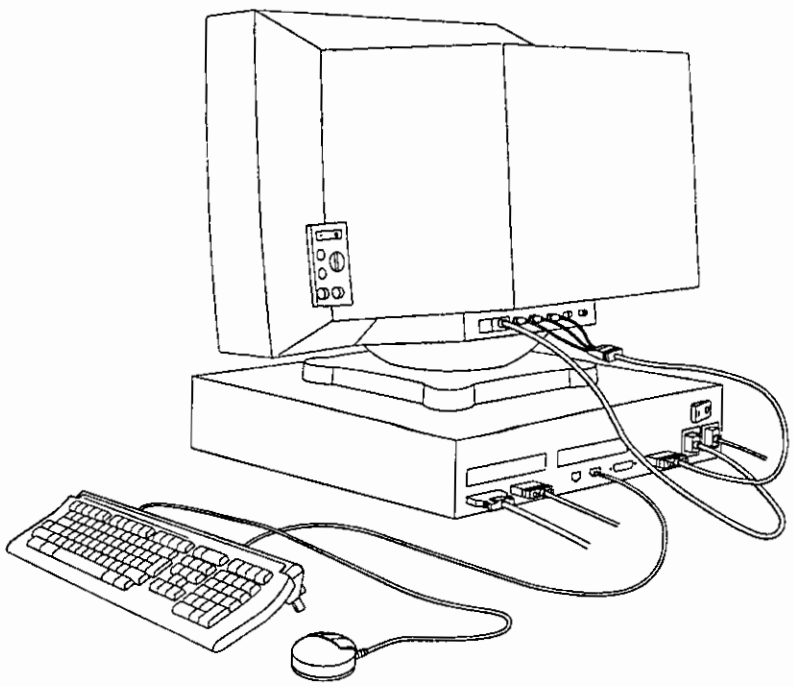
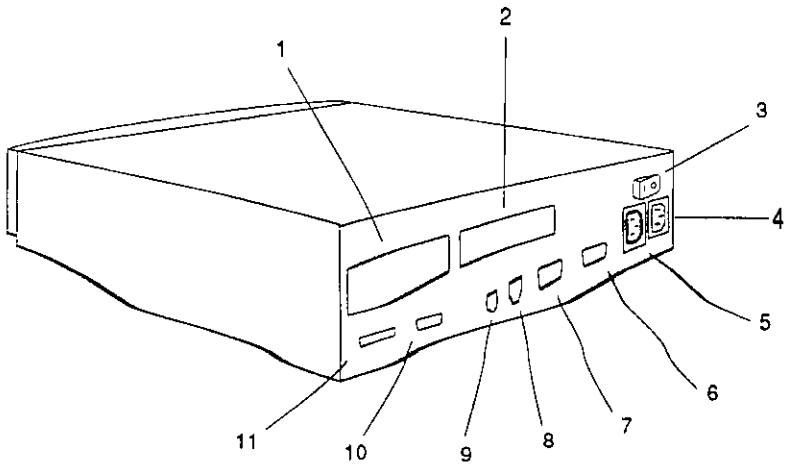
Personal DECstation 5000 Quick Reference Card



WSMXR002

EK-PM30B-RG-001



1. Turbochannel option slot 0
2. Turbochannel option slot 1
3. On/off switch
4. System unit power connector
5. Monitor-to-system-unit power connector
6. Graphics video connector
7. Serial communications connector
8. Keyboard-mouse connector
9. Sound connector
10. Base system ThickWire Ethernet connector
11. Base system SCSI connector

WSMXR001

Figure 1. Personal DECstation 5000 system unit

Table 4. Other Console Commands

cat #/*scriptname*	Display a script.
cat 2/testtap	Display the script testtap stored in ROM memory in TURBOchannel option slot 2.
erl [*OPTION*]	Display the system log of error messages.
erl -c	Clear all messages from the log.
init [#] [*argument...*]	Initialize a module.
init	Initialize all modules.
init 1	Initialize option module 1.
init 3 -m	Initialize the system module and clear base system memory.
ls [#]	List the test scripts stored in a module ROM.
ls	List the test scripts stored in all the module ROMs.
ls 1	List the test scripts stored in the ROM on TURBOchannel option module 1.
passwd [*OPTIONS*]	Set the console password.
passwd	Display the password prompt so you can set your password.
passwd -s	Display the password prompt to set a new password.
passwd -c	Clear the console password.
restart	Restart the operating system software.
script *scriptname*	Write a temporary script (end with two Returns).
script setall	Write a temporary script named setall.
scriptname	Run the temporary script *scriptname*.
sh [*OPTIONS*] [#/*scriptname*] [argument...]	Open a shell to run a script.
sh 0/setall	Run a script named setall that is stored in ROM memory in TURBOchannel option slot 0. See the options for sh in Chapter 11 of the *DECstation 5000 Model 100 Series Hardware Operator's Guide*.
sh #/pst-t	Test TURBOchannel option slot # with a thorough system self-test.
t [*OPTION*] [#/*testname*] [argument...]	Execute a self-test.
t 3/ni/regs	Test the base system Ethernet register.
t -1 2/ni/dma1	Test TURBOchannel option slot 2 with the self-test ni/dma1. Run the test in a continuous loop (-l).
t #/ ?	List all of the tests available for slot #.
test	Tests all modules.

Table 1. Booting the System Software

boot [*OPTIONS*] [*#/path*] [arguments...]		
boot	Boot ULTRIX using the option and path specified in the boot environment variable (see Table 3).	
boot "3/rz2/vmunix -a"	Boot ULTRIX in multiuser mode (vmunix -a) from drive rz2 in base slot 3.	
boot 3/mop	Boot ULTRIX in single-user mode over the Ethernet network connected to base system hardware.	
OPTIONS	-n	Load worksystem software but do not boot it.
	-z #	Wait # seconds before booting.
arguments	-a	Multiuser boot.

Table 2. Testing the Workstation Configuration

cnfg [#]	
cnfg	Display the basic configuration for all slots.
cnfg 3	Display the detailed configuration for the base system slot.

Sample cnfg displays

```
>>cnfg
❶     ❷
3:  KN02-BA   DEC      X1.1g     TCF0    ( 32 MB)
                                         ❸
                                         (DV -- D=8)
                                         (Sb: devs = 2)
                                         (FDI: 1)
                                         (enet: 08-00-2b-0f-45-72)
                                         (SCSI = 7)
```

❶ Slot number

❷ Model code

❸ Module code and summary of module information

```
>>cnfg 3
❶  ❷                                   ❸
3:  KN02-BA   DEC     X1.1g    TCF0    ( 16 MB)
                                       (DV -- D=8)
                                       (Sb: devs = 2)
                 ❹
                 Name       Rev     Vendor
                 ----------------------
                 LK501-??   AX1.3   DEC
                 VSXXX-BB   AX1.2   DEC
                                       (FDI: 1)
                                       (enet: 08-00-2b-0f-45-72)
                                       (SCSI = 7)
               ❺   ❻                                          ❼
              ------------------------------------------------------
              DEV   PID                 VID        REV     SCSI DEV
              ===== ================== ========== ======= ========
              rz2   RZ25      (C) DEC   DEC        0700    DIR
              rz4   RRD42     (C) DEC   DEC        0700    CD-ROM

                    ❽
         dcache   ( 64 KB), icache ( 64 KB)
                ❾                          ❿
         mem( 0):   a0000000:a03fffff   ( 4 MB)
         mem( 1):   a0400000:a07fffff   ( 4 MB)
         mem( B):   a0800000:a0ffffff   ( 8 MB)
>>
```

❶ Slot number

❷ Model code

❸ Module code and summary of module information

❹ Desktop bus information

❺ SCSI device code with SCSI ID

❻ SCSI device product ID (not always present)

❼ SCSI device descriptor

❽ Amount of cache memory

❾ Memory slot number

❿ Amount of RAM memory in slot

Table 3. Setting Environment Variables

Commands	
setenv ***env value***	Set the environment variable *env* to *value*.
printenv [***env***]	Display the value of environment variable env.
printenv	Display the values of all environment variables.
printenv more	Display the value of the more environment variable.
unsetenv ***env***	Clear the environment variable *env*.

Environment Variables	
boot	Set the parameters for a system boot.
setenv boot 3/mop	Set the boot environment variable to 3/mop.
setenv boot "3/mop -a"	Set the boot environment variable to 3/mop -a. The quotation marks are necessary when there is a blank space in the parameter.
console	Select the system console.
setenv console s	Make the terminal that is connected to communications connector the system console.
setenv console *	Make the workstation monitor the system console. If the workstation has more than one monitor, make the monitor in the lowest-numbered slot the system console. If no video is installed, a serial-line console will be selected.
haltaction	Set the result of turning on the power switch.
setenv haltaction b	Boot the worksystem software.
setenv haltaction h	Enter console mode.
setenv haltaction r	Restart the worksystem software without booting; boot only if the restart fails.
more	Set the number of lines of text to scroll before pausing.
setenv more 23	Scroll 23 lines then pause.
setenv more 0	Scroll text without pausing.
testaction	Set the power-up self-test.
setenv testaction q	Use the quick, less thorough self-test.
setenv testaction t	Use the complete, thorough self-test.