

Patch Notice:

DG/UX for AViiON Systems Patch 4.20.00.20

February 1990

Part Number 085-600202-00

This Patch Notice applies to Models:

P001AAQ1CA, P001AHU1CA
Q001AHU1CA, Q001AAQ1CA, Q001APU1CA, Q001AQU1CA, Q001ARU1CA and Q001ASU1CA

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1. Introduction

This Patch Notice describes Patch 4.20.00.20 for 4.20 DG/UX™ Systems running on Data General's family of AViiON™ computers. In addition, this notice also includes information not currently available in the product manuals (e.g., information developed after the current manuals were printed, or corrections to current manuals).

2. Environment

2.1 Hardware

Patch 4.20.00.20 of the DG/UX System will run on Data General AViiON series machines with revision E.2 or later of the MC88100 processor and a minimum of 8 MB of main memory, at least 179MB of disk storage, a system console (or graphics monitor for workstations), and a tape drive (for software distribution). Your system also needs to be running DG/UX 4.20 System software.

Patch 4.20.00.20 of the DG/UX System may also be run on a "diskless" AViiON workstation. This requires a minimum of 8 MB of main memory and console or workstation monitor, but does not require any disk or tape drive units. If you plan to be doing work that puts a very heavy windowing load on the system, we suggest you consider using 12MB of main memory.

3. Patches

3.1 4.20.00.20

Patch 4.20.00.20 fixes a hardware problem on system boards shipped after 2/5/90 that results in some programs infrequently and unpredictably aborting. It incorporates the patch 4.20.00.13 which fixes a problem where SMD controllers were returning an error code of 0x23. This patch is not needed for systems shipped prior to the date mentioned above.

4. Software Distribution

4.1 Media

DG/UX Patch 4.20.00.20 is bundled within the **DG/UX Patch Kit 4.20.00.20 for AViiON Systems** tape, part number 079-600081-00. This tape should accompany the **Operating System User's Package** and the **Client/Server User's Package** tape.

4.2 Organization

The **DG/UX Patch Kit 4.20.00.20** tape has the following layout:

File	Name	Size	Type	Distribution
0	boot.aviion	16384	image	
1	sysadm_toc	1044	toc	
2	diskman	2109200	image	
3	diskman_toc	512	image	
4	dgux.4.20.00.20__r.krn	1261568	tar	/ required movable
4	dgux.4.20.00.20__u.krn	4079616	tar	/usr required movable
6	dgux.4.20.00.20__u.13	182024	tar	/usr required movable
7	dgux.4.20.00.20__u.release	16384	tar	/usr required movable

4.3 Files

/dgux.starter
 /usr/release/dgux_4.20.00.20.rn
 /usr/stand/diskman

```

/usr/stand/dgux.diskless
/usr/src/uts/aviion/lb/dev.a
/usr/src/uts/aviion/lb/sc.a
/usr/src/uts/aviion/lb/sc_arch_exception_handlers.o

```

5. Installation Instructions

WARNING

Do not install 4.20.01 Patch Level over a system with Patch 4.20.00.20 already installed. To install other patches to a 4.20 release, use Patch Levels greater than 4.20.01. If Patch Level 4.20.01 is inadvertently loaded over patch 4.20.00.20, then patch 4.20.00.20 should be reloaded using **sysadm loadrelease**.

Take note that this patch will **overwrite** the existing files listed in section 4.3.

5.1 Bootable Tape

This tape contains a **diskman** that can be used to label disks, install bootstraps, and load the standard DG/UX 4.20 Release. When booting **diskman** from tape, use this version rather than the 4.20 Release version.

5.2 Patching an Existing 4.20 System

See Chapter 5 of *Installing and Managing the DG/UX System* manual for instructions on loading software packages.

All components of this patch can be loaded using **sysadm loadrelease**. You should be in run level 1 when loading this patch to avoid overwriting a program that is currently running.

While in run level 1, build a new kernel after the patch is loaded. Use **sysadm newdgux** to build and install the new kernel. You may want to reboot your system at this point. If you are a diskless server, your client kernels must be rebuilt or the new **dgux.diskless** in **/usr/stand** must be hard linked to the appropriate client's root area.

5.3 Loading a New 4.20 System

See Chapter 2 of *Installing and Managing the DG/UX System* manual for instructions on loading system software and software packages. Apply the following modifications to the steps outlined in that chapter:

Step 6: Booting diskman from tape.

Boot the 4.20.00.20 patch tape instead of the 4.20 Release tape.

Step 9: Loading DG/UX Software onto System Logical Disks

Insert the 4.20 Release tape when **diskman** asks for a tape to load the root and usr file systems. After loading the 4.20 Release, remove the tape and insert the 4.20.00.20 patch tape.

Step 10: Updating System Software

Once the root and usr file systems have been loaded from the 4.20 release tape, use the Update Menu in **diskman** to update both the root and usr file systems with patch 4.20.00.20. Insert the 4.20.00.20 patch tape prior to executing this step.

--- End of Patch Notice ---

