



AML Management Unit
3.02F

Release Notes

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1 Version 3.02F AMU Release Notes

This release notes covers the AMU-Fix Version 3.02F release of the AML Management Software (AMU). If question arise about any of these notes, call theADIC/GRAU Technical Assistance Center at the appropriate number:

- 00-800-9999-3822

1.1 For Your Safety



Attention

The AMU 3.0 has processes which sends itself time controlled commands to robots. Please make sure, that nobody is inside the library, if the AMU will be started. The AMU send commands undepended of a started host software.

1.2 Requirements

The diskette of this AMU-fix is only a update, which does require a previous version of AMU 3.02.

The installation floppy contain following files:

- fix302f.zip
- instfix.cmd
- readme.txt
- unzip.exe

1.3 Installation

Perform the following steps to install the AMU version 3.02 :

Step 1 Stop the current processing. Run shutdown AMU.

Step 2 Open an OS/2 window.

Step 3 Change the name of the file STARTUP.CMD to STARTUP.ORG.

```
C:move startup.cmd startup.org
```

Step 4 Restart the computer (shutdown and boot).

Step 5 Insert the diskette of AMU Software into the diskette drive.

Information

Do not interrupt the installation process. This may lead to undefined conditions and problems with the database.

Step 6 Open an OS/2 window and change to the drive a: or to the directory where the software is located
e.g.

```
C:> e:<Enter>  
E:> cd amu\302
```

Step 7 Enter in this directory

```
E:\AMU\302> instfix
```

Step 8 Select the installation option 1

```
          I N S T A L L A T I O N      U T I L I T Y
          A M U - F i x - V E R S I O N  3.02F
          A D I C / G R A U Storage Systems

1 = Installation of Fix Version 3.02F of AMU
2 = Deinstallation (Rollback) of a previously installed Fix 3.02F
3 = End
Select an Option:
```

Step 9 Login with AMUADMIN when prompted to log on.



Warning

Please do not interrupt the installation process.

Step 10 Remove the diskette from the drive.

Step 11 If you run an update installation, reverse the renaming of the filename of STARTUP.CMD

```
C:> copy startup.org startup.cmd
```

The following steps only apply to systems with a second harddisk (AML controller).

Step 12 Terminate OS/2 and restart the computer.

Step 13 Wait until the following appears on the top left corner on the monitor:

■ OS/2

Step 14 Press keys <Alt>+<F1>

```
RECOVERY CHOICES

Select the system configuration file to be used, or enter the option
corresponding to the archive desired.

ESC - Continue the boot process using \CONFIG.SYS without changes
C   - Go to command line, (no files replaced, used original CONFIG.SYS)
V   - Reset primary video display to VGA and reboot
M   - Restart the system from Maintenance Desktop (Selective Install)

Choosing an archive from the list below replaces your current CONFIG.SYS,
Desktop directory, and INI files with older versions. These older versions
might be different from your current files. Your current files are savrd in
\OS2\ARCHIVES\CURRENT.

1) Archive created 18.6.97 12.00.00
2) Archive created 18.6.97 12.10.00
3) Archive created 18.6.97 12.20.00
X) Original archive from INSTALL created 18.6.97 10.00.00
```

Step 15 Select <C> as command line.

Enter the following commands:

```
C:> xcopy d:\amu\dbbackup\*. * c:\amu\dbbackup\
C:> format d: /FS:HPFS -label OS2
C:> xcopy c:*. * d:/h/o/t/s/e/r/v
C:> del d:\amu\logs-trc\*.001
C:> exit
```


1.4 Deinstallation

During the installation, the previous AMU version, if present, was saved into backup directories. Selecting the corresponding option from the installation program menu allows to deinstall the AMU Version 3.02 and restore the previous installed AMU Version:

Step 1 Stop operation of the AML Management Software. (Host commands ROSO and HOLD or DAS command Robhome and DAS shutdown). Select "Shutdown AMU" from the AMU User Interface.

Step 2 Change the name of the file STARTUP.CMD to STARTUP.ORG.

```
C:> move startup.cmd startup.org
```

Step 3 Restart the computer (shutdown and boot).

Step 4 Insert the first diskette of AMU Software into the diskette drive or CD-ROM in the CD-ROM drive.

Step 5 Open an OS/2 window and change to install drive (e.g A:).

Step 6 Type "Instfix" and press <ENTER>.

Step 7 Select the deinstallation option from the installation menu. Wait until the deinstallation process completes.

2 Changes in the Versions

2.1 Changes in Version 3.02F

The following problems was corrected in the version 3.02F:

Table 2-1 Changes in Version 3.02F

Failure/Ticket Number	Problem Description
ET 30878	Better sorting of the filenames in the LogViewDialog (now it starts with the current)
ET 30906	Better logwrite for command KEEP with Option FL (it is now shown as FLIP)
ET 31062	Correct synchronisation between read- and write thread of the scanner communication and the frame (protocol) is considered.
ET 31677 ET 36640	SYS 3175 in KrnPmac.dll, Improvement of memory management used by the KrnP-Lists.
ET 33078	Recovery for the kernel state mismatch' information is done
ET 33920	Teach with option 1P produced a Trap SYS3175
ET 33199, ET 33645, ET 34028	SYS 3170 (unhandled user-generated exception) during normal or abnormal end of an AMU process. The not proper call of DosExitList is corrected.
ET 33419	Trap (SYS3175) in KrnLUtil.dll directly after answering a needless KEEP command (with RC: 1094 = N203). Accessing the commands array is corrected.
ET 34432	Problems while accessing the stored teachpoints of drives which have an alpha character inside the drive name (e.g. DBE but even D0A is concerned)

2.2 Changes in Version 3.02E

The following problems was corrected in the version 3.02E:

Table 2-2 Changes in Version 3.02E

Failure/Ticket Number	Problem Description
ET 28923	Trap because of wrong notication preparation in the AML/2 format (damaging of the KRN-queue)
ET 30879 ET 31076 ET 31 158	DAS cmd scr_unset does not work with the DEFAULT-POOL
ET 31320	mapping of robot gripper errors not correct (0417 --> N016)
GR 04213	failure operation for Backup Deomon (if update unsuccessful, work continue with other coordinates)

2.3 Changes in Version 3.02D

The following problems was corrected in the version 3.02D:

Table 2-3 Changes in Version 3.02D

Failure/Ticket Number	Problem Description
PR 12	RFM does not overwrite existing files o harddisk
PR 17	Host (HACC/MVS) received a wrong anwer during insert (SCH-command)
PTS 05	Log2asc diplay wrong day and time (localtime/ gmtime)
PTS 06	Display of available clean and scratch volser corrected
PTS 07	HOCEHLL works not without RTE
ET 28923	Trap of KRN during insert clean from the CON (because of sequence number used twice)
ET 28852	DAS function qvolsrange produced a ARC trap
ET 29010	Command set_scr does not work in each case

2.4 Changes in Version 3.02C

The following problems was corrected in the version 3.02C:

Table 2-4 Changes in Version 3.02C

Failure/Ticket Number	Problem Description
PR 030	Teach command with option 1N or 2N produced a KRN trap
PR 017 (19990621_1)	Wrong response im AML/2 command format of a insert request from HACC/MVS

2.5 Changes in Version 3.02B

The following problems was corrected in the version 3.02B:

Table 2-5 Changes in Version 3.02B

Failure/Ticket Number	Problem Description
PTS 004	Client cabatibility (special feature for one customer)

2.6 Changes in Version 3.02A

The following problems was corrected in the version 3.02A:

Table 2-6 Changes in Version 3.02A

Failure/Ticket Number	Problem Description
PTS 001 (19990630_1)	SWIT-Info will now generated from KrnSWIT-Modul (not in the Rte, because the command is not allowed for requester) A switch command from a Host with not allowed switching deleted all commands from the AMU queue and from the Clean-Manager Hashtable.
PTS 002: (19990630_2)	If the problem box is full and cartridge in gripper, now the related robot will be moved home and set offline
PTS 003:	Commands, which are canceled because command lock will now also deleted from the Queue.

3 Known Bugs and Work Arounds

Table 3-1 Known Bugs and Work arounds

Ticket number	Problem	Workaround
ET0000020336	Problems with the save of the configuration changes in PMMAINT, if a DAS is running	stop the DAS for using PMMAINT
ET0000031428	Problems with HACC/MVS insert, if the VI command will start before the automatic inventory is completed	wait for the complete inventory, before you use the command VI
ET0000015086	Move to second Problembox (P7) coordinate at AML/J not possible	make the Problembox empty
ET0000031435	The function BACKUP of the RFM does not work.	Use the command receive files from rho to make a backup of the controller micro-code of AML/2 and AML/E
ET0000025079	The command INVT in the ABBA/1 format returned for coordinates with ejected volser FREI00 and 0L instead of the volser and *E	Use the command ULC (HACC/MVS command ACC to get informations about the coordinate)
ET0000036525	Owner 0 (Robot) in the Edit Volser Range is possible	Write always a correct Robot (1, 2 or 3) in the Owner field. Do not leave this field empty.
ET0000036853	Double mount on a drive is possible, if a insert is parallel running	--
ET0000036863	Changes of the Clean cycles in the Clean Manager can produce a blocked drive, if the changes will be made after the start of Cleaning Notification	Please made changes only during the time, when no cleaning from the CLM is in the moment in preparation.
19990505_3	Rho File Manager starts KRN without any options (Problem with DAS or Dual-AMU)	After using RFM, restarts the AMU (shutdown AMU, call AmuStart.cmd)

Table 3-1 Known Bugs and Work arounds

Ticket number	Problem	Workaround
GR000002985	Same times problem with the transfer of the AMU-CONF.INI with 'BUD control	Use in this case ftp or a floppy
GR000004295	On AML/2 twin systems the pass trough function does not work	Insert the cartridges always on the robot, where the drive is located for the mount
GR000002878	AMU-Manual Mode also for AML/J	Configure the robot type R0 (AML/2)
ET0000036199 (SNS007)	<p>EJ(T) support for volume mountable from Insert area The AMU 3.0 offers the direct mounting of cartridges from a EIF position or an HICAP door. It is currently not possible to issue an EJ or EJT command for such cartridges. This can cause troubles for the applications, that usually do not know whether a cartridge is in such a position or not.</p> <p>This error will be corrected in the next AMU release.</p>	<p>The consequence in BS2000 is that the MAREN statements //EXPORT-VOLUME and //RETURN-VOLUME will be rejected for volumes that are mountable from an EIF or an HICAP door. Procedures using this statement will go to error. Waiting for the AMU correction,</p> <ul style="list-style-type: none"> - the removal of such volumes from the BS2000 MAREN catalogue can be done by a manual removal from the EIF or HICAP door (i.e without any //EXPORT-VOLUME //RETURN-VOLUME on BS2000). - it is still possible to insert the cartridges into the robot with IN before using them for mounting. - the use of the MAREN statements //EXPORT-VOLUME and //RETURN-VOLUME on BS2000 is forbidden for volumes in the robot if the volumes are not explicitly inserted with IN.

Table 3-1 Known Bugs and Work arrounds

Ticket number	Problem	Workaround
SNS021	Commands for drives during a AMU generated drive cleaning will be canceled by AMU.	<ul style="list-style-type: none">• For compatibility with ROBAR, do not use AMU drive cleaning for drive used by ROBAR.• Set in DAS the option <code>no_avc</code>

