κλειω 5 / StanFEP 1.2

Installation and release notes for MS-DOS and PC-DOS

Materials received:

- Manuals from the *Halbgraue Reihe*, volumes A22, A23 and B11; also optionally A6 and B6 for StanFEP (in German) if ordered.
- Installation and release notes (which you are reading).
- Two 1.44 MB 3.5" disks.

All these components can be copied and distributed by you as you wish, so long as you do not gain any commercial profit from this re-distribution.

Contents

1. Basic Installation

κλειω/StanFEP is installed by an installation program, which should answer most questions regarding installation while you are running it.

1. To activate this program put the 'System Disk 1/2' into your computer and make the choosen drive current, by entering the drive letter, followed by a colon and the <*Enter*> key. That is

   a:<*Enter*>

   if you are using drive A: and

   b:<*Enter*>

   if you are using drive B.

   Now type

   install<*Enter*>

   DOS 5.0 sometimes reacts with the error message:

   Error: packed file corrupt

   or its equivalent in your local language. If that happens, please call the installation program as

   loadfix a:install

   or

   loadfix b:install

   respectively. The reason for this problem is documented in your DOS 5.0 documentation under the command *loadfix*. (Consult the index to find this command.)

2. Next you are greeted by the installation program, a commercial product, or, more specifically, by a copyright notice of its manufacturer. If you wait three seconds (or hit an arbitrary key) you will be asked whether you want the installation dialogue to be performed in English or German. As you are reading the installation hints in English, this language is probably appropriate: just hit the <*Enter*> key to select it. The next screen explains which keys can be used during installation: if you are not

familiar with personal computers we recommend you make a short note about this key usage.

3. Hit any key now to proceed to the next screen. Normally this should be one which asks you on which hard disk you want to install the software; if you get some error messages instead, check below under Section 2 whether your machine fulfils the hardware/operating system software requirements for κλειω/StanFEP.

4. React to the question *On which hard disk do you want κλειω/StanFEP to be installed?* by selecting the appropriate disk with the arrow keys (making the line blink) and hit the <*Enter*> key. To avoid the installation of mutilated versions of the software the installation program will abort if less then 2 MB are available on the selected hard disk.

5. Next you see the message *Please specify into which directory ... the programs ... are to be written.* κλειω 5/StanFEP and such tutorial data as you select will be distributed across a number of directories. More precisely, by default these are:

`\kleio\bin`	for the software
`\kleio\tutorial`	for the κλειω exercises
`\kleio\example`	for the StanFEP examples.

The question quoted above allows you to rename the common 'root' of these three directories, **`\kleio`**, as you prefer.

Normally, or if you do not know what 'directories' are, you should simply hit the <*Enter*> key.

6. If you are asked *An older version of Kleio seems already to exist on your machine. Do you want it to be overwritten?*, the installation program has discovered that a directory with the specified name already exists on the hard disk you selected. If you react with 'No' the installation will be aborted.

7. κλειω/StanFEP requires that some changes are made to the files **`autoexec.bat`** and **`config.sys`** on your computer. In the next step the installation program asks how far it should do that for you. If you do not know what these files are for, you should always activate the default answer offered, which will perform all the necessary modifications. The installation program will tell you at the end what it has done. It is usually a very good idea to reboot your computer by <*Ctrl*>+<*Alt*>+<*Del*> after the installation is complete and before you activate κλειω.

8. The question which appears next, *Please select the language to be installed:*, may look familiar: while the question regarding languages you answered earlier, however, related to the language which the installation program is using itself, the current question relates to the language of the package to be installed.

- *English commands / English messages* should always be selected if you are using κλειω for the first time. This will load the version documented in the English language manuals for the program.

- *Latin commands / German messages* should be loaded only if:
  – you have older databases where all the command files you have use the Latin commands.
  – you want to employ features for which you have found the best descriptions in manuals of the *Halbgraue Reihe* which only exist in German.

9. Now you are asked which parts of the package you want to install. The installation program will – independently of what you want to install – never do anything, if less than 2 MB are available on your hard disk. (This will always be sufficient to load the software completely. If there is not space enough to load all the selected test data, some of that may not be loaded to the disk.)

10. Your selection is interpreted as follows:

- *Kleio Software*: the executable κλειω, together with some auxiliary files, without StanFEP and the tutorial examples.

- *StanFEP Software*: the executable StanFEP, together with some auxiliary files, without κλειω and the tutorial examples.

- *Kleio Tutorial*:
  – if you have selected the *English commands / English messages* option: All the exercise data and model solutions discussed in the tutorial by Woollard and Denley. You are advised to make a backup copy of all these files, as 'unpacked' by the installation program, before starting on these exercises. Once you have done this you can confidently work on the exercises from within the directory in which they have been placed.
  – if you have selected the *Latin commands / German messages* option: All the exercise data and model solutions discussed in the tutorial by Becker and Werner plus the database necessary for the exercises in the manual of Gross. *Before you are able to use the latter, it has to be compiled*. We strongly advise you to make yourself familiar with the process of compiling databases from the English tutorial (Woollard and Denley) before you do so; a batch file for the purpose is available in the file **`menuprep.bat`** in the **`\kleio\tutorial`** directory.

- *Examples for StanFEP*: All examples used in the *Arbeitsbuch* by Gierl, Grotum and Werner.

- *All of the above*: well, all of the above. If you are using κλειω for the first time, we strongly recommend this choice.

11. Finally you are asked: *Please decide how you want Kleio to identify itself (i.e. the message which will appear when you run a Kleio command file):*. React with a text which you have no objections to reading a few thousand times during the next few months, and hit the <*Enter*> key.

12. Now the installation program should start to document a long series of individual steps on the screen. Ignore all of them; they are relevant only if something goes seriously wrong, to help decide whether, for example, your installation disks have become damaged. After some time you are informed which changes to **`autoexec.bat`** / **`config.sys`** have been performed for you (or, if you choose different options, which you will have to perform).

    Acknowledge these by hitting any key. A final message closes the installation process.

2. Requirements for using κλειω / StanFEP

2.1 Hardware

An IBM PC (or PS/2) or a compatible computer with a 386 processor (or 'higher': 486, that is, or Pentium). At least 2 MB accessible memory. (We recommend 4 MB.) As a rule of thumb, the more memory you have, the faster κλειω will work.

All the menus and the features for map production have been tested primarily with VGA adapters. Some older adapters are supported as well; however, whether yours is among these can only be established by trying it out.

WARNING! If you use one of the following computers some additional programs may be necessary, which you can get from your distributor. (Please request them by an informal letter, including your phone number.)

- NEC 98 series.
- Fujitsu FMR-70.
- Hitachi B32.
- OKI if800.

2.2 Required system software

MS-DOS 3.1 or a later version (or compatibility boxes in Windows or OS/2).

To use the memory beyond 640 KB, κλειω and StanFEP use a so-called *DOS extender*, which has been copied to your hard disk under the name **`dos4Gw.exe`**. This DOS extender may conflict with other techniques for administering the 'extended memory' of your computer. If when you call κλειω you get an error message starting with DOS4GW, such a conflict almost certainly exists. Please react by successively removing all directives from your **`autoexec.bat`** / **`config.sys`** files which are related to memory management, until you have discovered the conflict on your machine.

2.3 Configuration requirements

The **`config.sys`** file has to contain as minimum requirements:

```
FILES=20
BUFFERS=20
```

Additionally the ANSI device driver has to be provided. Usually this is taken care of by a line in **`config.sys`** which looks approximately like this:

```
DEVICE=ANSI.SYS
```

A short comment: the file **`ansi.sys`** is not neccessarily located in your root directory. You will usually find it where all the other MS-DOS system files (e.g. **`format.exe`**) are kept. Should **`ansi.sys`** be in some directory, its name has to be added to the above command. In many cases the following version will be appropriate:

```
DEVICE=C:\DOS\ANSI.SYS
```

In the file **`autoexec.bat`** the line which starts with **`PATH`** has to be augmented by the directory into which **`kleio.exe`** and/or **`stanfep.exe`** have been copied – by default, **`\kleio\bin`**.

In addition, the same path has also to be defined as the value of the environment variable KLEIO (this is accomplished by a SET command.)

3. Files under MS-DOS and PC-DOS

In a future version, κλειω will have its own file administration which will be independent from the operating system as far as the user is concerned. Since it was not practicable to include these features in the current version, for the time being the following rules hold:

1. A database created by the **`database`** command is always created in the directory in which the user was when κλειω was called. (And **`query`** expects the database to be in the directory where the user is when activating this command.)

2. Each database created by a **`database`** command consists of three files. Their names are constructed from the first eight characters of the name defined with **`name=`** and one of the following extensions: **`s_d`**, **`s_i`**, **`s_b`**.

3. For each catalogue, according to the same rules, four to six files with the following extensions are constructed: **`r_1`**, **`r_2`**, **`r_3`**, **`r_d`**, **`r_l`**, **`r_h`**.

4. For each codebook, two files are created with one of the following pairs of extensions: **`t_d`**, **`t_i`**; **`u_d`**, **`u_i`**.

5. For each network of the data type **`relation`**, two files with the following extensions are constructed: **`r_i`**, **`r_e`**.

6. For each object of class **`location`**, two files with the following extensions are constructed: **`g_d`**, **`g_i`**.

4. Warning

κλειω is currently not able to recover damaged databases, as it still relies directly on the file administration of the operating system. If the system crashes while you are loading data into a database, the whole database has to be recreated.

Normally this can only happen for one reason: if there is insufficient space on the hard disk, the system will currently stop with internal systems error 1037. Each successive attempt to access this database will result in the message that it has been corrupted. This is the case even if space is subsequently provided on the hard disk. It is therefore strongly recommended that databases are created step by step, and that backup copies are made before additional data is loaded into the database.

Version 5: Release notes

The functionality of κλειω has been increased in a number of areas with Version 5. The primary reason for the implementation of this version, however, is that there have been substantial internal changes.

As a result Version 5:

- is significantly faster than older versions of the program.
- uses disk space more efficiently.
- requires a 386 computer or above with at least 2 MB, and preferably 4 MB, of memory.

Version 5 does not recognize databases of earlier system versions as such. Version 5 and older versions can therefore be used in parallel without special precautions.

Restriction

The editor described in volume B5 (Kropač/Leiter-Köhrer) of the documentation has been taken out of the system. It will not be re-implemented in the PC-based versions 5.x.x. The (UNIX) version 6.2.1 will include a graphics oriented editor with the same range of functions.