

Filex v. H. Richter © 2025

Function:

Filex is a system utility.

The program provides detailed information about all internal and external storage media.

From version 1.4 onwards, file operations can also be used.

Internal storage media are:

RAM modules in slot 1 (S1:)

RAM modules in slot 2 (S2:)

External storage media are:

2.5-inch floppy (X:)

USB media (S3:) MEP rev3 and rev4

Operation:

These buttons have the following functions:

MODE	Return to the previous menu or function.
ENTER	Opens folder. (<i>Version 1.4</i>)
I	Information
S	Split screen file operations (<i>version 1.4</i>)
C	Copies selected file. (<i>Version 1.4</i>)
K	Deletes selected file. (<i>Version 1.4</i>)
N	Renames selected file. (<i>Version 1.4</i>)
P	Prints the current file list in the folder as a file. (<i>Version 1.4</i>)
M	Selects one or more files. (<i>Version 1.4</i>)
X	Clears all selections. (<i>Version 1.4</i>)
A	Selects all files. (<i>Version 1.4</i>)
R	Updates drive S3: after changing or removing
RCL	Displays current folder path. (<i>Version 1.4</i>)
CL	Jumps to the home directory.
ON	Jumps to the initial drives menu. (<i>Version 1.4</i>)
OFF	Turns off the PC-1600 while retaining the last menu.
CURSOR Up/Down	Cursor up/down
CURSOR Left/Right	Cursor left/right
W	Displays any password set in the PC-1600.
Double Enter	Switches between folder and file view. (<i>Version 1.31</i>)

Start menu:

(Figure 1)

```
Ansameldate Laufwerke
S1:RamModul (kein Zugriff)
--- S2: S3: --- S1* S2*
F1   F2   F3   F4   F5   F6
```

The RAM and ROM modules used are displayed in the second and third lines. The fourth line shows drives. These can be accessed using the function keys F1 to F4.
(F1=S1: / F2=S2: / F3=S3: / F4=X:)

The F5 and F6 function keys are not active. Only whether slots 1 and/or slot 2 are occupied is displayed here. (*Modules are inserted*)

When selecting a drive with an F key, in this case S2: or S3:, the options menu appears.

Press the R key to update the removal or replacement of a USB medium.

Options menu:

(Figure 2)

```
TextDir. Graf.Dir  Hilfe
  System  Fragmente
  Drucken
F1   F2   F3   F4   F5   F6
```

Text directory:

Press F1. All files on the selected drive are displayed in alphabetical order.

System:

Press the F2 key. This menu contains detailed data about the selected drive.

Graphic display:

Press the F3 key. Graphical representation of the files on the storage medium.

Print:

Press the F4 key. Writes the current file list of the selected drive to a file.

Fragments:

Press the F5 key. Displays the fragmentation of the files on the selected drive.

Help:

Press the F6 key. Operating instructions and key descriptions.

Text-Dir View Options:

There are two variants in the file view.

Standard	Two rows	(Versions 1.31 and 1.4)
Split screen	Single row plus S2: Drive	(Version 1.4)

In both variants, the cursor keys Up/Down/Left/Right are used for navigation.

(Figure 3)

```
20PIC  BMP  DB  BIN
DWPC  BAS  DW  BIN
DW  CFG  FILEX14GBIN
FILEXENGBIN  HRCBMPS1BIN
```

Default for the drives: S1: / S2: / S3: / X:

(Figure 4)

```
>MATH  >SONSTIG
>SPIELE >Z80
DF1  BIN  DWPC  BAS
DB  BIN  DW  CFG
```

Default for drive S3: with folder.

Folders are marked with the > sign.

(Figure 5)

```
>ANWENW 20PIC  BMP
>CEBIT87 DB  BIN
>DEMOS  DI
>GRAFIK  HRCBMPS1BIN
```

Split screen – Drive S3: on the left and drive S2: on the right

The split screen is activated with the (S) key, but only if drive S3: is selected. Pressing the (S) key again deactivates the split screen.

The cursor can be positioned either in the S3: or S2: window. When navigating up or down, the file list for each drive is scrolled independently.

In split screen mode, you can copy, delete, and rename files.

Additional key functions in text mode are the (ENTER), (I), (MODE), (CL), (BREAK/ON), (P), (M), (X), and (RCL) keys

Text-Dir file operations:

(Figure 6)

```
>SPIELE      | 20PIC      BMP
>Z80         | DB          BIN
DF1          | HRCBPS1    BIN
->.....
```

Copying in split screen mode with the (C) key.

A selected file on drive S3: (left) is copied to S2: (right) using the (C) key.

The progress dots run from left to right.

If the file on drive S2: is selected, the progress dots run from right to left. Copying always takes place to the current folder level.

Folders cannot be copied!

(Figure 7)

```
>ANWENDER    | 20PIC      BMP
>CEBIT87     | DB          BIN
>DEMOS       | XXXXXXXXXX
Datei loeschen J/N
```

Delete in split screen mode using the (K) key.

A selected file on drive S3: (left) or S2: (right) can be deleted by pressing the (K) key after a security prompt.

Folders cannot be deleted!

(Figure 8)

```
>ANWENDER    | 20PIC      BMP
>CEBIT87     | DB          BIN
>DEMOS       | XXXXXXXXXX
Neuer Name:
```

Rename in split screen using the (N) button.

A selected file on drive S3: (left) or S2: (right) can be renamed by pressing the (N) key after entering a new name.

The editor only accepts a maximum of 8 characters for the name plus a period. Extensions with a maximum of 3 characters are optional.

Folders cannot be renamed!

Text-Dir key functions:

MODE	Key	Exit the text menu.
CL	Key	Return to the root directory.
ON/BREAK	Key	Return to the start menu (Figure 1). (Only version 1.4 with drive S3:)
OFF	Key	Turns off the PC-1600 and remains in the menu.
DoublePF	Key	Switches between folder and file view. (Version 1.31)
P	Key	Saves the file list in a folder as a file on a logged-in drive.

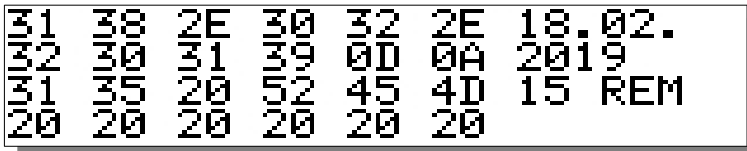
I Button Information about a file or folder. (Figure 9)

Information about a file



```
DF1      BIN -> 13853 Byte
Gesichert am 26/01 14:11
Präanf. bei Sektor 0
An: 9400, #0 En: CA0C St: 9400
```

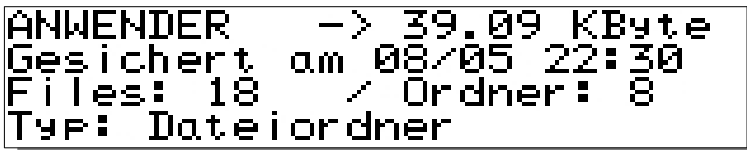
(Figure 10)



```
31 38 2E 30 32 2E 18.02.
32 30 31 39 0D 0A 2019
31 35 20 52 45 4D 15 REM
20 20 20 20 20 20
```

Pressing the (I) key again displays information about the contents of a file.
Here, 8 characters in hexadecimal code and 8 characters in ASCII code are displayed.
Use the DOWN cursor key to scroll further through the contents of the file.

(Figure 11)



```
ANWENDER -> 39.09 KByte
Gesichert am 08/05 22:30
Files: 18 / Ordner: 8
Typ: Dateiordner
```

Information about the contents of a folder.
The number in KB (MB, or GB) corresponds to the total size of all files in this folder.
Subfolders and their contents are not included in this calculation.

ENTER	Key	Opens a folder. (Next folder level)
RCL	Key	Displays the current path in the folder hierarchy.

(Figure 12)

```

> TEST2 BATT2 BIN
  DF1    BIN  DB    BIN
  10PIC  BMP
/DEMOS/CEBIT87A/TEST1/

```

The current folder path is displayed in the standard file view in the bottom line of the display.

(Figure 13)

```

> TEST2 20PIC BMP
  BATT2  BIN  DB  BIN
  DF1    BIN  DWPC BAS
/DEMOS/CEBIT87A/TEST1/

```

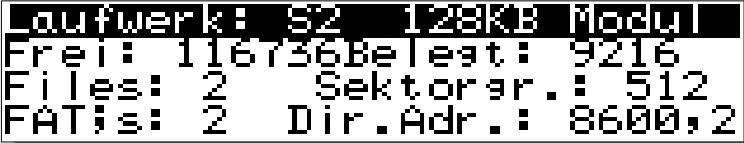
The current folder path is also displayed in the split-screen file view. If the folder path is longer than one display line, the display automatically shifts to the left so that the last folders in the path remain visible.

By pressing the (I) button while holding down the RCL button, you can obtain information about the size and number of files and folders in the current path (see Figure 11).

Press the RCL or MODE button again to exit the path display.

System view:

(Figure 14)



```
Laufwerk: S2 128KB Modul  
Frei: 116736B test: 9216  
Files: 2 Sektorgr.: 512  
FAT16: 2 Dir.Adr.: 8600,2
```

The system menu can only be accessed twice in version 1.4 and when using the S3: drive.

The first time you call it up, press the F2 key under "System" in the options menu. (see Figure 2).

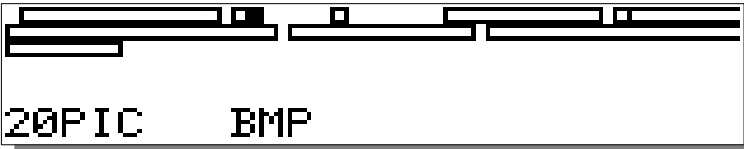
Another option is to open the system menu in split-screen mode using the I button. (see Figure 5).

If the cursor is in the S2: window, you can check whether there is sufficient storage space available before copying (see Figure 7).

Press the MODE button to exit the menu.

Graph view:

(Figure 15)



```
20PIC BMP
```

The Graf menu allows you to display the files on a drive graphically. The individual fields (files) can be selected using the LEFT/RIGHT CURSOR buttons.

Pressing the I key displays information about the selected file. (see Figure 9)

Pressing the I key again displays information about the file contents.

Use the DOWN CURSOR key to scroll further down the file contents. (see Figure 10)

Exit the menu with the MODE key.

Print view:

(Figure 16)



Print menu – Saving the file list of a drive

The print menu can be used to save the file list of a selected drive. If S3: is selected as the drive, the file list of the home directory is stored in a file.

In the input dialog, specify the drive and the desired file name for the backup, e.g., S2:LIST.TXT.

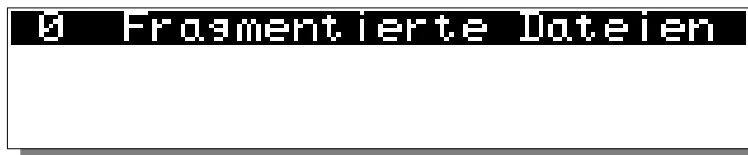
The print menu can be opened from any text directory view and from any drive. Press the (P) key to open the dialog box. Note: Split screen

mode is not supported here!

Press the MODE key to exit the menu.

Fragments view:

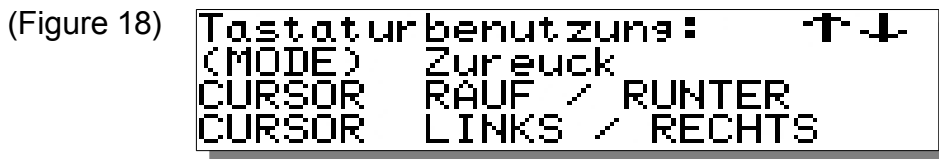
(Figure 17)



The Fragments menu displays the number and names of the fragmented files. These files are not stored in a contiguous area on the drive area on the drive. They have been distributed across existing free memory gaps due to frequent deletion and re-saving.

The more fragmented files there are, the slower loading and saving processes will be. Exit the menu with the MODE button.

Help– View:



The help menu provides a brief summary of all command keys. It is operated using the UP/DOWN cursor keys.

An additional function is available by pressing the (W) key:

This displays the Sharp ROM version and any password that may have been set to protect the Sharp.

The menu is exited with the MODE key.

Markings:



Markings are used to select the desired files for copying, deleting, or renaming.

If no mark is set, the respective operation is applied to the currently selected file.

A **filled rectangle** appears in front of the corresponding file as a mark symbol.

Markers can **only** be set **in split-screen mode**, both in the S3: - and S2: - drive windows.

Folders cannot be marked.

- The **(M)** key is used to mark or unmark individual files.
- The **(A)** key marks **all files** on a drive.
- The **(X)** key deselects **all files** on a drive.

View during program execution:

During program execution, only these symbols appear in the upper status bar: BUSY -

	Action in progress
II	- Drive S2: active
III	- Drive S3: active

After exiting FILEX, the icons last displayed before the program was started are restored.

Program versions:

Version 1.31	(approx. 9 KByte)
Version 1.4	(approx. 14 KB)

System requirements:

Version 1.31	PC-1600 without RAM expansion in slot 1 or slot 2 Minimum support for MEP (USB)
Version 1.4	PC-1600 with 16 KB expansion in slot 1 Full support for MEP (USB)

Technical details FILEX 1.4:

Program size	14813 bytes
Supported drives	S2: / S3: / X:
Maximum folder depth	32 levels
Maximum number of files	160 files per folder Levels sorted. 320 files per folder Levels unsorted.

Technical details FILEX 1.31:

Supported drives	S1: / S2: / S3: / X:
Program size	9907 bytes
Maximum folder depth	32 levels
Maximum number of files	32 files per folder Levels sorted. 66 files per folder, unsorted levels.