

## What can this program do?

- Store model data on a PC (personal computer)
- "Expand" the model memory
- Write model data on a diskette
- Print model data for documentation
- **NEW:** Convert the „Basic" model type to UNIVERSAL
- Set and modify user name and code lock
- Simulate the PROFI mc 4000 on a PC
- **NEW:** Convert model data from PROFI mc 3010/3030 for use in the PROFI mc 4000

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### 1.1 PC system requirements

- IBM-compatible PC (processor at least 286)
- operating system MS-DOS Version 3.0 or higher
- 580 K of free memory (approx.)
- approx. 1 M space on the hard disk
- Video mode VGA, 16 colours

The program works without a mouse.

### 1.2 Installation of program and adapter cable

#### a. connecting the adapter cable

Switch off the PC and connect the cable to a vacant serial port on your computer: either COM1 or COM2 socket of your computer. You can set the program to work on COM1 or COM2 during the set-up procedure.

If the COM socket of your PC has only 9 pins you must install a 9 pin male to 25 pin female adapter (available in PC shops).

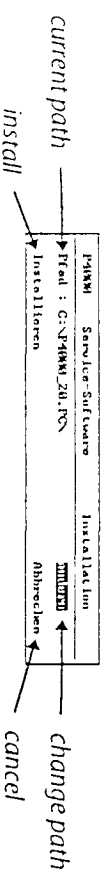
#### b. Installing the program (Under DOS, not under Windows!)

Switch on the PC, insert the diskette in the drive then enter at the DOS prompt:

>A: INSTALL if the diskette is in drive A

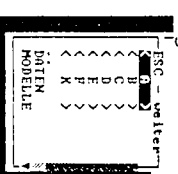
>B: INSTALL if the diskette is in drive B

The install program will now start and you should see on the screen:



Use the cursor keys to select one of the menu items CHANGE PATH, CANCEL installation or INSTALL. The menu item you selected is highlighted; press RETURN (↵) to activate it.

If you select CHANGE the following sub-menu appears:



Use the cursor keys to select the drive and path for the installation.  
Pressing the ESC (escape) key closes the sub-menu and sets the destination drive and path.

Example:

C:	program is installed in C:\P4000_20.PC
D:\HOBBY	program is installed in D:\HOBBY\P4000_20.PC

Now select INSTALL (INSTALLIEREN) or CANCEL (ABBRECHEN) and confirm with RETURN (↵) key.


When the installation is complete the P4000\_20.PC directory should contain the following:

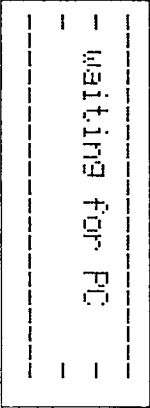
Directory	Subdirectory	Remark
P4000_20.PC		program and additional files for P4000PC.
	DATEN	P4000PC data files <b>IMPORTANT!</b> Do not rename or move files with the .CIF extension.
	MODELLE	All model data are stored in this directory.
	REP	This sub-directory will be empty after the initial installation. It is used to store complete transmitter backups.
	UER20	data for software version 2.0 contains another subdirectory DATEN to which the same comments apply, as mentioned above for the first DATA subdirectory (second line in this table)

c. Connecting the transmitter

Insert the 7-pin round plug into the left-hand socket of the transmitter (next to the ON/OFF switch).

Connecting the cable to the right-hand socket does no harm to the PC or transmitter, but data transfer is not possible.

Hold the  button pressed in as you switch the transmitter on, to enable the transmitter to communicate with the PC. The transmitter screen shows this:



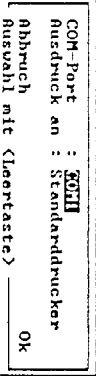
1.3 SET-UP  
Selecting the COM port and print destination

When the program is install you must

- select COM1 or COM2 as the communications port
- select the print mode:  
send data to the standard printer "Standarddrucker"  
or print to file DRUCK.TMP.

The print file is named **DRUCK.TMP** an can be edited using any text editor program.

To do this start the program **SETUP**, located in the P4000\_20.PC directory. The menu below appears:



Use the cursor keys ↑ or ↓ to select the option COM-Port: or Ausdruck an: (print to) and use the space bar to change it.

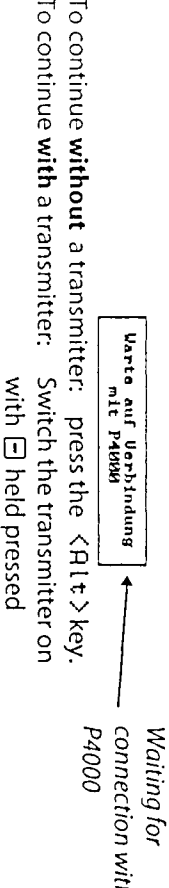
Use the cursor keys again to select either OK to implement your selection, or Abbruch (cancel) to cancel without storing any changes. Both selections must be confirmed with the RETURN (↵) key. Set-up is than executed or cancelled.

1.4 Starting and closing the program

1.4.a Starting the program

To start the program change to the directory where you installed it and enter START

The program loads and the screen shows the message:



### 1.4.b Closing the program

Close any open menus!

If one of the menus is still open use the <Esc> (Escape) key to close it.

Close the simulator program!

If the simulator program is still active use <Esc> or <F10> key to close it.

Use QUIT to leave the program!

In the menu bar one of the menus must be highlighted (e.g. Modelle).

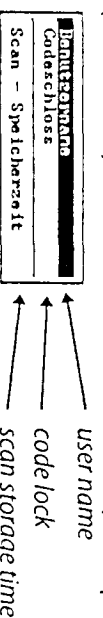
**Modelle** Einstellen P4000 Simul. Quit

If all the menu items have a grey background, press <Alt> repeatedly until the menu bar looks as shown above.

- To end the program you can either
- select QUIT with the cursor keys and then press RETURN (↵) or
- enter the letter Q (1st letter of the menu name QUIT).

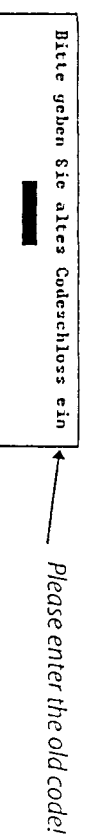
### 3. The menu: Einstellen (SET)

This menu is where you set the USER NAME (Benutzername), the CODE LOCK (Codeschloss) and the SCAN STORAGE TIME (Scan-Speicherzeit).



#### 3.1 USER NAME (Benutzername)

The user name is protected by the code lock. If you select and activate the menu point USER NAME (Benutzername) the program first asks for the old code:



The factory default code setting is "0000". This also means: "CODE LOCK NOT ACTIVE!". When you access this function for the first time you must enter "0000" for the code and confirm with the RETURN (↵) key.

The name input window does not open until you enter a valid code.



Now you can enter up to 20 characters which will appear in the bottom line of your PROFI mc 4000's screen.

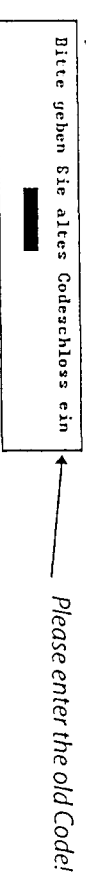
Typing errors can be corrected with the DEL (delete) key or BACKSPACE.. To toggle from INSERT mode to OVERWRITE and back use the INS (insert) key.

When everything is as you like it hit RETURN (↵) to leave this menu.

The next time you switch your transmitter on it will show your name.

#### 3.2 Code lock (Codeschloss)

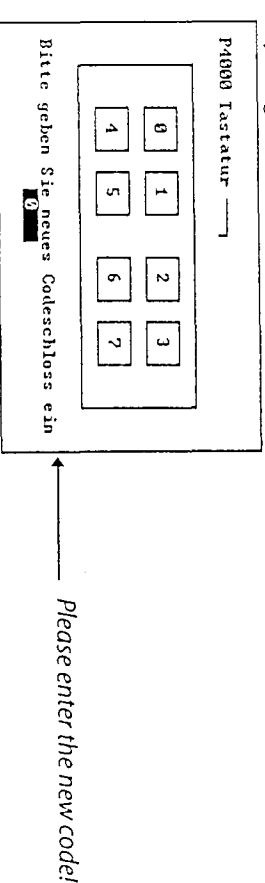
If you want to change the code the program first asks for the old code.



If you enter the wrong code this function cannot be accessed.

#### Selecting code numbers:

The transmitter keypad only has eight keys, assigned to the number 0 to 7. The key assignment is shown on the screen as a reminder.



Press the RETURN (↵) key to accept the code you have entered.

#### If you forget your code,

don't worry - it happens to the best of us. Your MPX dealer or MULTIPLEX Service Centre will be able to help you.

#### 3.3 SCAN MODE storage time (Scan-Speicherzeit)

The store time for the scan mode can be set to any period from 1 minute to 60 minutes. You can read more about this feature in the instruction manual of your PROFI mc 4000 and Channel-Check.

