




EURACOM® P4

User manual for the ISDN telephone



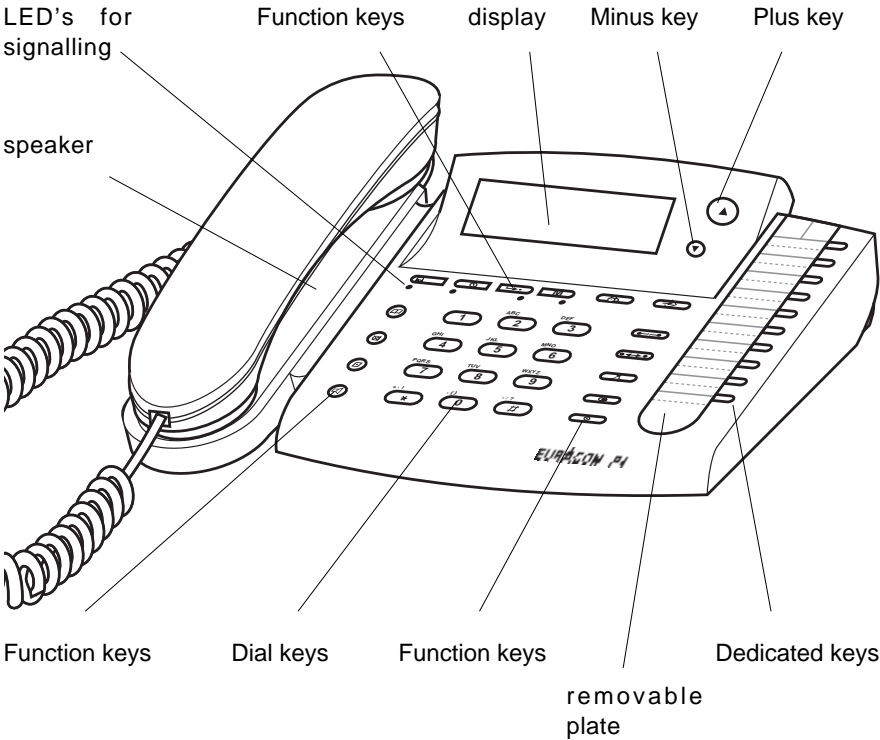
With the ACKERMANN *P4* you have chosen a highly sophisticated and future proof product.

This telephone offers you all advantages of the digital Euro ISDN2 network (DSS1), when connected in multi point connection mode.

In teamwork with an ACKERMANN EURACOM PABX, the EURACOM *P4* achieves maximum efficiency and offers you additional to the advantages of the EURO ISDN network also all advantages of these systems.

The features of a modern communication are offered to you in a convenient way. This instruction manual will make you familiar with your EURACOM *P4*. We recommend that that you read this manual carefully to be conversant with the *P4*s operation.

Because technological development at ACKERMANN is continuous, **the manufacturer has the right to change the hardware and software as well as the user manual without prior notice.**



Key Overview

- 0 - 9 Number keys, in second level with large letters
- #, * Hash and Star key, in second level with large letters
- Call key
- Alarm key
- Forwarding key
- Message key
- Charge key
- Programming key
- Directory key
- Microphone mute key
- Terminal portability (Park) key (in EURACOM mode for intercom)
- Hands-free and speaker phone
- Termination key
- Call completion key
- Conference key
- Redial key
- Hold- / Broker's key
- Plus key
- Minus key
- Dedicated Call key (in two levels)

Before operating this telephone

Read this user manual carefully and it will enable you to obtain the maximum benefits from your EURACOM P4's features.

If you want to learn about the basic functions

Then read the chapter "Basic rules for operation" which describes these. You learn how the display helps you while making a telephone call, how to select functions and how to correct inputs.

In the chapter "Making telephone calls as usual" it is described, how to make a telephone call, how to answer a call, how to dial in a convenient way.

If you want to make use of additional functions

Read the chapter "Making telephone calls in a convenient way".

Here it is described (for example, how to make a hands-free speaker phone call and how to dial stored numbers).

In the chapter "During conversation" you are informed about convenient functions such as call waiting, brokers call, hold, call forwarding and charging functions.

If you want to change basic settings

Then read the chapter "Change of basic settings" which will enable you adjust the connection mode of your telephone connection.

Furthermore you will be able to adjust the ringing signal and the on / off function of the calling number display information, etc.

If you operate your telephone switched to a EURACOM PABX

You must turn to the chapter "Your telephone on a EURACOM PABX".

In this chapter you will be informed about additional features at your disposal when your telephone is switched to a EURACOM PABX, eg making calls in a group manager / office, announcing calls and intercom calls, etc.

If you are looking for something special

Therefore read the chapter "Look up if needed".

In this chapter you will find information for cleaning and placing of your telephone set.

There also is a first aid section, if something does not work, as well as a comprehensive index register.

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1. Get to know your telephone


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Before starting


Used symbols


To make the overview simple for you, a few abbreviations and symbols are used in the instruction manual. These are described below . The printed displays show only those characters and symbols, which are of importance for the mentioned here:


- 

You have a conversation. Therefore there is a telephone connection.
- 

Lift the receiver. You may initiate the dialling process in different ways: press Speaker key or lift receiver. The shown symbol asks you to choose one of these alternatives.
- 

Replace the receiver on hook. This symbol asks you to replace the receiver. This terminates a remaining connection and therefore the telephone conversation.
- 

The shown symbol asks you to make a connection. It is unimportant, if you dial a number first or lift the telephone receiver first. For a selection of menu chapters this symbol asks you to programme the number of a certain menu chapter.
- 

If these keys are shown, you have different possibilities: you may choose menu chapters with the Plus and Minus keys (looking up the menu). In case of a wrong input you are able to correct your input by cancelling the symbols with the Minus key and continuing with the input again. The Plus or Minus keys also function as a control input, eg for volume control, ringing rhythm control, ringing speed (tone sequence) control.
- 

You may call up some functions directly with the help of a fixed function key. This is displayed in that case as shown here; eg redialling.

Special features of your telephone

Of course you will be able to make telephone calls with your telephone as usual. Additionally your telephone offers you functions, making telephone calls easier for you.

Please make yourself roughly familiar in this chapter with some of the special features.

Help from your display

You get a lot of information from your display, eg concerning your current conversation and the occupation state of your S_0 access. Furthermore the display messages guide you step by step through the menu.

The telephone number of each ISDN caller is shown in the display, making it possible for you to identify the caller before the connection state. If the complete telephone number is stored in your directory, the name of the caller is shown directly.

Storing telephone numbers

You may store telephone numbers in a simple way. You write these numbers in an electronic directory. You are able to find these inputs in this directory, change or delete them, at any time easily. Frequently used numbers on your Dedicated keys. You will then have the telephone number available directly with a key stroke.

Safety functions

This enables you to save all stored data, eg telephone numbers in the directory, telephone numbers on Dedicated keys and Redial key against unauthorized access. Before making use of the stored numbers, with activated safety function, first a PIN is asked.

Hands-free and speaker phone operation

You are able to hear the conversation in the room through the speaker, making a call with the receiver being on hook and switching off the microphone, so that your conversation partner does not hear what is discussed in your room. Furthermore you are able to change the volume of phone and speaker.

Special features of your telephone

Restricted power supply

In case of a power failure, you will be able to switch your EURACOM *P4* to restricted mode quite easily. This mode also makes it possible for you to make telephone calls but with reduced functions during loss of power.

Operation with a EURACOM PABX

It is possible to operate your EURACOM *P4* with EURACOM PABX. In this case several more features are available for you, eg subscriber occupation display, status display of all S_0 busses of the PABX, manager / office mode, announcements and intercom, activation of general announcements, forwarding a subscriber, etc.

Answering machine

You can upgrade your EURACOM *P4* with an answering machine modul. This answering machine modul is offering you several features, as eg two selectable announcements, a final announcement and a recordable only-announcement, recording of messages with date, time and telephone number, programmable recording time - up to 40 minutes with reduced and appr. 14 minutes with high recording quality -, remote control possible, selective deletion of messages, mail-box function, VIP function, etc.

Operation with headset

You may switch a headset (hands-free speaker phone set) to your EURACOM *P4*. Your distributor is supplying you with this headset and it is connected via an adapter box. Headset and receiver may then be connected both and be used alternating without the need for changing the installation of the telephone each time.

In connection with a PC

The software of your EURACOM *P4* may be updated via a PC to allow you to utilise new functions of your network provider.

The entry of inputs to the directory and work with it is also more convenient via a PC.

Supply volume

Following parts are supplied with your telephone:

- Telephone (basic set)
- Receiver
- Receiver cord (spiral cable)
- S₀ installation cord (flat cable)
- RS 232 installation cord
- Instruction manual
- Disc with PC telephone directory programme

Placing and connecting the telephone

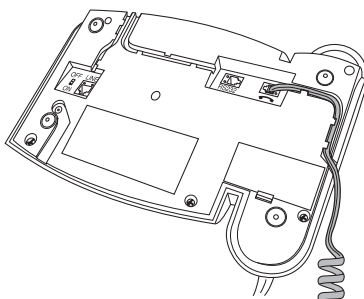
Placing the telephone

Concerning several different surface materials of furniture it may occur, that these may get unpleasant marks when in contact with parts of the housing (eg base of set).

- ▶ Therefore place the EURACOM P4 on a non slip surface.

Connecting the receiver to the telephone

On back of the telephone:



- ▶ Insert the plug with the long straight edge of the spiral receiver cord in to the socket with the receiver symbol.
- ▶ Place the receiver cord into the prepared cable channel.

On the receiver:

- ▶ Insert the other end of the receiver cord into the socket of the receiver.

Place the telephone and connect it

Connecting the telephone to the ISDN outlet

On back of telephone:

- ▶ Insert one of the plugs of the S₀ installation cord (flat cable) into the socket marked "LINE".
- ▶ Place the ISDN cord into the prepared cable channel.

On ISDN outlet:

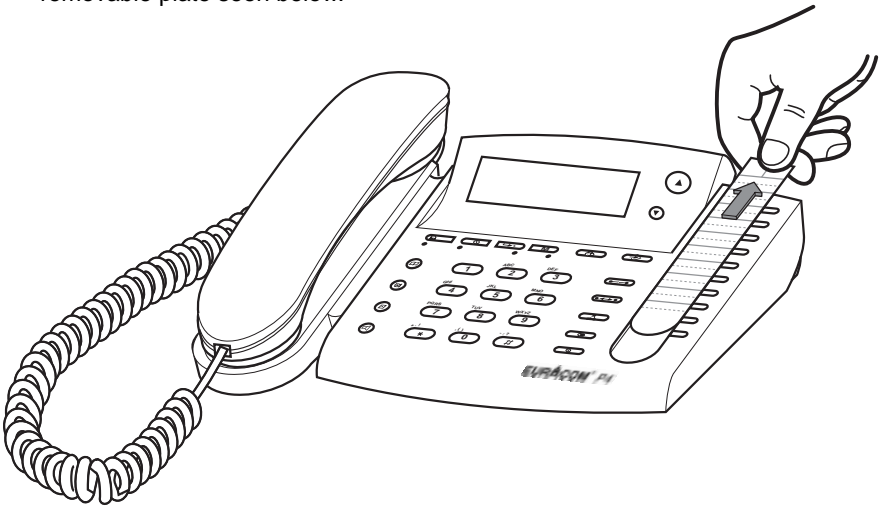
- ▶ Insert the remaining plug of the S₀ cord into the socket of the ISDN outlet.

IMPORTANT NOTE !

The EURACOM P4 is only allowed to be switched to a digital network, fulfilling the requirements of a TNV1 power circuit.

Taking out the removable plate and returning it

A hand-written record of your stored dedicated numbers may be made under the removable plate seen below.



- ▶ Slightly press the plastic cover and slide it out to the top, as shown in the picture above.
You are now able to take out the plate for labelling.
- ▶ After recording you stored numbers, replace the plate and slide in the plastic cover from the top.

Overview

On delivery the EURACOM *P4* is switched to point to multipoint mode. After having connected your EURACOM *P4*, you are able to make phone calls immediately (plug & go).

But it is also possible to operate your EURACOM *P4* in other operating modes:

- Operation in multiple subscriber mode
- Operation in system mode
- Operation with EURACOM PABX
- Operation with another PABX
- Operation during power failure (restricted mode)

IMPORTANT NOTE !

The EURACOM *P4* is only allowed to be switched to a digital network, fulfilling the requirements of a TNV1 power circuit.

Operation in multiple subscriber mode

When supplied, the EURACOM *P4* is switched to this mode. Several terminals can be connected to a point to multipoint configuration. Identification of the terminals is then made possible with multiple subscriber numbers (MSN). The EURACOM *P4* can also run in multiple subscriber mode, when connected to the internal S_0 port of PABX's.

If the EURACOM *P4* is supposed to answer only specific multiple subscriber numbers, you have to program them. You may program up to 6 multiple subscriber numbers (MSN); see page 80.

Operation in system mode

This operation mode is suited for the operation of PABX's, i.e. it is only one device, the PABX, connected to the line. The telephone number here consists of a basic number and a so-called direct dial in number (1 to 5 figured).

You can operate the EURACOM *P4* in system mode in a connection just described. In that case neither a further device nor a PABX is allowed to be connected to this line. Normal operation mode is only possible with a NTBA supplied with 230VAC. In case of a NTBA without 230VAC connection, you can only operate the EURACOM *P4* in the restricted operation mode (-> p. 81).

Operation with a EURACOM PABX

It is possible to operate the EURACOM *P4* with a EURACOM PABX. In that case several more features are offered to you. These functions are then mainly supplied in direct way by the EURACOM PABX and thus depend on the soft- and hardware status of the PABX (eg announcements, manager / office mode, room surveillance).

Operation with another PABX

It is possible to operate your EURACOM *P4* in multiple subscriber mode also with another PABX. If the PABX connects through the external to the internal S_0 bus, you may program one ISDN terminal to restricted mode authorization.

Some PABX,s require a predialling code, as eg zero number, to make phone calls to the public network. To make use also of the directory or call list in a simple way, you may define a network code, which will be added for calls initiated from one of these lists.

Some PABX´s require the function “Explicit Call Transfer” for switching of two conversations. Other PABX´s switch by releasing both connections. The EURACOM *P4* releases both connections by changing to on-hook state. Additionally a Dedicated key may be programmed with the function ECT. If you have any problems with releasing or switching with a PABX, please ask your EURACOM stockist what requirements are needed.

Operation during power failure (restricted mode)

Normally the NTBA is connected to an internal 230VAC mains when in multiple subscriber connection. In this case four ISDN telephones can be operated with this connection, supplied via the NTBA from the house internal 230VAC mains.

During power failure these telephones are supplied with reduced power (remote supply) from the provider network. This is called restricted power mode. It is possible to connect only one terminal with restricted power mode authorization to the S_0 bus.

It is possible to switch the EURACOM *P4* to restricted mode by turning the switch on the bottom side of the telephone to “on”. Thus the EURACOM *P4* can be operated with reduced features during power failure. In switch position “off” the EURACOM *P4* can not be operated during power failure.

As a PABX is supplied by the house internal 230 VAC mains anyway, the NTBA is normally not connected to the 230 VAC mains in system mode. In case a EURACOM *P4* is connected instead of the PABX and mains is not connected to the NTBA, the EURACOM *P4* is operating with limited capability in restricted power mode with respective position of the switch. To make full use of it, the mains plug of the NTBA has to be connected to the 230 VAC mains. For power failure condition the procedure is identical to the multiple subscriber mode.

If a EURACOM *P4* is connected to an internal S_0 bus of a PABX, it will be operated normally in multiple subscriber mode. The PABX will be operated in system mode.

During power failure the PABX cannot be operated. Some PABX's switch through the external to the internal S_0 bus in this case, i.e. although the EURACOM *P4* is switched to multiple subscriber mode, it will be operated in system mode during restricted power mode. The EURACOM *P4* recognizes this state automatically with respective position of the switch and adjusts to the operation mode.

IMPORTANT NOTE !

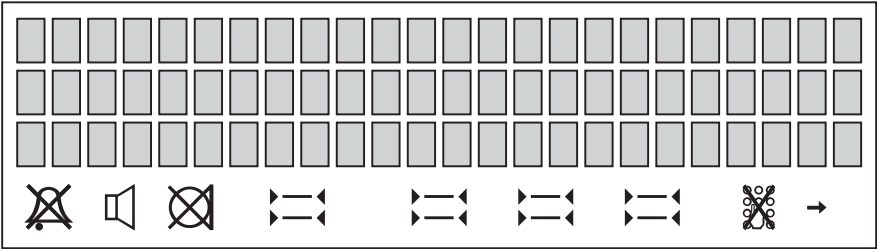
Automatic adjustment to multiple subscriber or system mode is only possible in restricted power mode. In normal power mode only the selected connection mode is supported.







Basic rules for operation

You will find some basic rules for the operation of your telephone in this chapter.

Help from your display

The display consists of three rows, each showing 24 alphanumeric characters. The fourth row shows several conditions characterized by symbols. These symbols are only shown, if the representable conditions are switched on.



-  ringing symbol
characterizes the activated silent mode of the telephone
-  speaker symbol
characterizes the activated hands-free and/or speaker phone mode
-  microphone symbol
characterizes the activated microphone mute mode
-  S_0 bus symbol
characterizes the occupation of the assigned S_0 bus
no symbol: S_0 bus not available
no bar: S_0 bus not active
upper bar: B1-channel occupied
lower bar: B2-channel occupied
two bars: 2B channels occupied
-  keyboard symbol
characterizes the activated key lock
-  symbol for direct call
characterizes the activated direct call

The example shown here is if an S_0 bus is existing. The valid date and time are presented after corresponding adjustment. The display shows additional information in Idle mode concerning the state of the telephone. It is shown here eg, if an S_0 bus is existing.



LED signalling

The light emitting diodes (LED) are placed directly next to the respective keys.



call

on:

new entry in caller list

flashing:

incoming call



alarm

on:

wake-up / alarm call activated

flashing:

wake-up / alarm call reached



forwarding

off:

no call forwarding

on:

call forwarding active



message

off:

answering machine switched off

on:

answering machine switches on

flashing:

new message


Correcting of inputs

Incorrect inputs can be rectified with the Minus key. Press the Minus key so often until you have deleted the wrong entered character. Now enter the remaining characters again.


Making calls in a normal way

You are, of course, able to make phone calls with your EURACOM P4 telephone in the manner you are normally accustomed. All you have to do is dial the desired number directly. When operating on a PABX: dial th line number (eg „0“ first).


To make a call

 Lift receiver. You hear the dial tone.

27.10.98 PLEASE DIAL	16:01
-------------------------	-------

 Enter telephone number via Number keys.


27.10.98 06838	16:01
-------------------	-------

 After the called subscriber has answered, you can speak with him/her as usual.


0,121 Pounds 068384711	0:21
---------------------------	------


IMPORTANT NOTE!
During a connection, initiated by yourself, the transmitted charge and connection time information, prepared by your network provider, are displayed in the first line.

Dialling with receiver on hook


 Enter telephone number via Number keys

PREPARE DIALLING 0683847	:
-----------------------------	---

 Delete wrong inputs with the Minus key

 Hook off. The entered telephone number is dialled.

27.10.98 068384711	16:01
-----------------------	-------

 After the called subscriber has answered, you can speak with him/her as usual.

0,121 Pounds 068384711	0:21
---------------------------	------

Accepting calls

When you receiving a call, your telephone rings and the call LED flashes.

```
27.10.98      16:01
0231468956
┌──────────┴──────────┐
└──────────┬──────────┘
```



Lift the receiver. You are then connected to the caller.

```
27.10.98      16:01
0231468956
┌──────────┴──────────┐
└──────────┬──────────┘
```

If the telephone number (if needed with area code) is entered in directory of your EURACOM P4, you will also see the name of the caller.

```
JANE
0231468956
┌──────────┴──────────┐
└──────────┬──────────┘
```

If a name is programmed for the **called** number, this will also be displayd.

```
JANE
0231468956
FOR: PETER
┌──────────┴──────────┐
└──────────┬──────────┘
```

Note:

If the telephone number of the caller is not available, listened in the directory, the message „Number unknown“ or „Number suppressed“ is displayed.

```
27.10.98      16:01
NUMBER UNKNOWN
┌──────────┴──────────┐
└──────────┬──────────┘
```

```
27.10.98      16:01
NUMBER SUPPRESSED
┌──────────┴──────────┐
└──────────┬──────────┘
```

Refusing calls

Your telephone rings, but you do not wish to accept the call.

```
27.10.98      16:01
071123456
┌──────────┴──────────┐
└──────────┬──────────┘
```



Press Call key. The caller will be rejected, call attempt will be entered in the call list.

```
27.10.98      16:01
┌──────────┴──────────┐
└──────────┬──────────┘
```

Adjusting the ringing level

Your telephone rings.



Press Plus- or Minus key to adjust the ringing volume. The adjusted volume will be stored.

```
27.10.98      16:01
LEVEL ██████□□□□
┌──────────┴──────────┐
└──────────┬──────────┘
```

1 Get you know your telephone


2. Convenient telephone calls

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Hands-free and speaker phone operation

You are able to hear a caller's conversation loud in the room and make a telephone call with the receiver placed on hook. You can also adjust the volume level of receiver and speaker.


To let someone listen

 You are having a conversation with lift receiver.


0,242 POUND 1:24
06838471112

 You switch on and off loud-hearing with the speaker key

0,242 POUND 1:24
06838471112


 Afterwards you are able to switch on hands-free mode. Replace the receiver with pressed speaker key.

0,242 POUND 1:24
06838471112


 During hands-free mode you can change to receiver mode by just lifting the receiver.

0,242 POUND 1:24
06838471112

Making a call with receiver on hook (hands-free)

 Press speaker key. You hear the dial tone.

27.10.98 13:25
PLEASE DIAL

 Enter telephone number via Number keys.

27.10.98 13:25
06838471112


If the called subscriber answers, you hear him loud in the room and you can answer him with receiver on hook.

0,121 POUND 01:24
06838471112


Note:

During loud-hearing and hands-free mode the speaker symbol appears in the display.


Adjusting receiver level

 You make a call with receiver off hook.

0,242 POUNDS 1:24
06838471112

 You can raise receiver volume with the Plus key.

0,242 POUNDS 1:24
LEVEL ■■

 You can reduce receiver volume with the Minus key.

0,242 POUNDS 1:24
LEVEL ■□


Note:

The receiver volume will be reset to default value after conversation has ended.


Adjusting speaker level

You are having a conversation in loud-hearing or hands-free modes.

0,242 POUNDS 1:24
06838471112

 You can raise speaker volume with the Plus key.

0,242 POUNDS 1:24
LEVEL ■■■□□□□□

 You can reduce speaker volume with the Minus key.

0,242 POUNDS 1:24
LEVEL ■□□□□□□□

Note:

The speaker volume will be reset to default value after conversation has ended.

Dialling a stored number

You may store a telephone number on one of the 10 Dedicated keys or in your own P4 directory and recall the number when required and let it be dialled.

Calls are stored in a call list with date and time from where you can recall a telephone number easily and let it be dialled. The 10 last dialled telephone numbers are also stored and can be dialled again when required. You can also dial a prepared direct phone number.

To redial a number



Press key “last number redial”. The last dialled number will be displayed.

LAST NUMBER REDIAL
068384711

::



Press Plus or Minus key several times, until the desired number will be displayed.

LAST NUMBER REDIAL
022543232

::



Lift receiver. The number shown in the display is being dialled.

27.10.98 16:01
022543232

::

Note:

Postdialling via dial keys is possible.

Dialling with direct call



If the symbol for direct call is shown in the display during Idle mode: lift receiver

27.10.98 16:01
PLEASE DIAL

::



Press desired key. The prepared phone number will be dialled.

27.10.98 16:01
068384711

::

Note:

You have to program the direct call before (-> page 94). If direct call is switched on, no other phone numbers can be dialled.

Dialling with Dedicated key

The EURACOM P4 has 10 Dedicated keys. You are able to program these Dedicated keys with two phone numbers each (stored in two levels). You may also program these keys with functions or number sequences, eg for configuration of a PABX. The stored number may also contain the characters * and #.

Without dial preparation



Lift receiver

27.10.98	16:01
PLEASE DIAL	
⏏	



Press Dedicated key for the first level. The number of the subscriber, stored on first level, will be displayed.

NAME KEY 1	
06838471112	
⏏	



Press Dedicated key again for second level. The number of the subscriber, stored on second level, will be displayed.

NAME KEY 11	
022542233	
⏏	

Two seconds after pressing a Dedicated key, the displayed phone number will be dialled.

27.10.98	16:01
022542233	
⏏	

Dialling a stored number

With preparatory dialling and correction facilities

You intend to call a subscriber programmed on Dedicated key.



Press Dedicated key. The number of the subscriber, stored on first level, will be displayed.

```
NAME KEY 1
06838471112
```

∴



If necessary, press Dedicated key again for second level. The number of the subscriber, stored on second level, will be displayed.

```
NAME KEY 11
022542233
```

∴

After two seconds the message “Dial preparation” appears.

```
PREPARE DIALLING
022542233
```

∴

Note:

If necessary, you can delete each of the last shown numerals with the Minus key and enter new numerals.



Lift receiver. The shown number will be dialled.

```
27.10.98 16:01
022542233
```

∴

IMPORTANT NOTE!

- Dedicated keys may also be used for a conversation on hold.
- If you press the Dedicated key during an active conversation, the contents of the memory will be transmitted as DTMF or keypad.
- Numbers dialled via Dedicated keys are transferred to the redial memory.
- Several dedicated numbers may not be connected in series. Exception is the “predial” of a carrier prefix. However, post dial of Number keys is possible.
- The contents of the memory will not be influenced by the correction of the phone number.

Dialling from directory

The EURACOM P4 contains a memory, covering 200 telephone numbers which are stored with names. The numbers are sorted in alphabetical order of the associated names.

Without preparatory dialling



Lift receiver

```
27.10.98      16:01
PLEASE DIAL
: :
```



Press Directory key

```
DIRECTORY SEARCH: A  ▲▼
ACADEMY
: :
```



Press Plus or Minus key several times, until the desired entry is displayed.
Or: select certain characters via Number keys.

```
DIRECTORY SEARCH: B  ▲▼
BAKERY
: :
```



Press Programming key. The displayed number will be dialled.

```
27.10.98      16:01
022542233
: :
```

With dial preparation



Press Directory key

```
DIRECTORY SEARCH: A  ▲▼
ACADEMY
: :
```



Press Plus or Minus key several times, until the desired entry is displayed.
Or: select certain characters via Number keys.

```
DIRECTORY SEARCH: B  ▲▼
BAKERY
: :
```



Lift receiver. The displayed number will be dialled.

```
27.10.98      16:01
022542233
: :
```

Dialling a stored number

With preparatory dialling and correction facilities



Press Directory key

```
DIRECTORY SEARCH: A ▲▼  
ACADEMY  
: :
```



Press Plus or Minus key several times, until the desired entry is displayed.
Or: select certain characters with Number keys.

```
DIRECTORY SEARCH: A ▲▼  
BAKERY  
: :
```



Press Programming key. The number will be displayed.

```
PREPARE DIALLING  
022542233  
: :
```

Note:

If necessary, you can delete each of the last shown numerals with the Minus key and enter new numerals.



Lift receiver. The displayed number will be dialled.

```
27.10.98 16:01  
022542233  
: :
```

IMPORTANT NOTE!

- You are able to lock the use of the directory memory via a PIN. In this case the PIN will be asked when the Directory key is pressed.
- You may use the directory for dialling during a hold connection.
- If the directory is operated during an active connection, the memory contents will be transmitted as DTMF or keypad.
- Numbers being dialled via the directory, are transferred into the redial memory.
- Several numbers from the directory may not be connected in series. Post dial of Number keys is however possible.
- The contents of the memory will not be influenced by the correction of the phone number.

Dialling from call list

The EURACOM P4 contains a memory for storage covering the last 10 accepted (connection list) and also the last 20 not accepted calls (call list).

Only calls with known telephone number will be entered in this list. Except the telephone number there are also stored date and time and also the number of call attempts (call list).

If the caller is listed in the directory, the assigned name is also stored and displayed in case of recalling the list.

In case the call or connection list is completely full, the oldest entries will be overwritten by new entries.

If a call of a call list entry is accepted, it will automatically be transferred to the connection list and deleted in the call list..

A new entry in the call list will be indicated by the activated call LED.

The call LED will be deactivated with recall from the call list.

Selecting call list entry



Press Call key. If a call LED is on, it will switch to „off“.

```
27.10.98    20:01    2x  ▲▼
022542244
: :
```



Press Plus or Minus key several times, until the desired entry is displayed. If the phone number is existing in the directory, the assigned name will be displayed.

```
27.10.98    20:01    1x  ▲▼
022542233
Tom Harris
: :
```



Lift receiver. The displayed number will be dialled.

```
27.10.98                                20:01
022542233
: :
```

IMPORTANT NOTE!

- The call and connection lists will be displayed one after another during search. They differ from each other by displaying the call counter, which is not appearing in the connection list.
- If a number was dialled from the call list, the assigned counter is reset to zero. This will also be the case, if the number was dialled eg manually.
- Both lists are in chronological order.
- The telephone numbers of call and connection list cannot be used for dialling during a „Hold“ conversation.

Dialling a stored number

Deleting a caller



Press Call key. Call LED will be switched off, if active.

```
27.10.98 20:01 2x ▲▼
022542244
::
```



Press Plus or Minus key several times, until the desired entry is displayed. If the telephone number exists in the directory, the assigned name will be displayed.

```
27.10.98 18:01 1x ▲▼
022542233
TOM HARRIS
::
```



Press Termination key. The entry is deleted.

```
27.10.98 20:01 2x ▲▼
022542244
::
```


Note:

With the Programming key you can return to the Idle mode. If there is no further entry, the Idle mode display is shown after deletion.


If the other subscriber is engaged

If the other subscriber is engaged, you may initiate to be informed, if the extension is available again. Your telephone is then ringing. When lifting the receiver, your partner will be called automatically.


Initiating call completion on busy subscriber

 The called subscriber is engaged. The automatic call completion will be offered in the display.

SUBSCRIBER BUSY
 AUTOMATICAL RECALL?
 ::

 Press Call completion key. The message for activated automatic call completion is shown in display.

SUBSCRIBER BUSY
 RECALL ACTIVATED
 ::


 Replace receiver. When the called subscriber has replaced the receiver, you will be informed and you then are able to accept the call back.

27.10.98 20:01
 ::


Accepting call completion

When the called subscriber has replaced the receiver and your own extension is available, you will hear a special ringing signal.

RECALL FROM:
 022369430311
 ::

 Lift receiver. The called subscriber will then be recalled automatically.

19.10.98 12:32
 022369430311
 ::

 If the called subscriber accepts, you are able to speak to him. The call completion will be deleted.

0,242 POUNDS 1:24
 022369430311
 ::

IMPORTANT NOTE!

- The EURACOM P4 is prepared to manage 5 call completions simultaneously.
- Call completion is only possible, if the calling phone is in Idle mode.
- You will hear the special ringing signal also in case of silent signalling.
- Do you not accept the call completion, it will be deleted.
- Depending on the network provider, the call completion cycle will only remain active for a limited time.

Early deletion of call completion on busy subscriber



EURACOM *P4* in Idle mode. Press Call completion key. If call completion calls are activated, the corresponding numbers will be shown.

```
AUTOMATICAL RECALL TO:
022369430503
:
:
```



Press Plus or Minus key several times, until the desired call completion call is displayed.

```
AUTOMATICAL RECALL TO:
022369430311
:
:
```



Press Termination key. Call completion is cancelled.

```
AUTOMATICAL RECALL TO:
022369430311
:
:
```

Note:

You return to the Idle mode with the Programming key. If no call completion call is existing anymore, after deletion the Idle mode display is shown.

Silent signalling

In some situations you probably do not want to be disturbed by callers or telephone ringing. For this reason the EURACOM *P4* offers you two functions:

- To reject a caller
- Silent (visual) signalling of a caller

To reject a caller

EURACOM *P4* is ringing

```
27.10.98 20:01
02254845336
:
:
```



Press Call key. The connection demand will be transferred to the call list. The EURACOM *P4* is not ringing anymore. The caller receives busy.

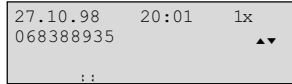
```
27.10.98 20:01
:
:
```

switching on / off silent signalling

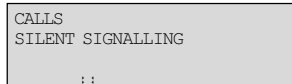
EURACOM P4 in Idle mode.



Press Call key. First entry of the call list will be displayed.



Press Call key again.



switching on silent signalling



Press Programming key, to switch on silent signalling. Thereafter EURACOM P4 afterwards has entered the Idle mode.



switching off silent signalling



Press Termination key for switching off silent signalling. The EURACOM P4 afterwards has entered the Idle mode.



IMPORTANT NOTE!

In case of “silent signalling”:

- a corresponding symbol appears in display.
- a call waiting will also be indicated but silent.
- nevertheless calls will only be indicated in the display or by the call LED. The EURACOM P4 is not ringing.
- an automatic call completion will nevertheless be signalled acoustically.

“Silent signalling” is possible in three stages:

- all callers will be indicated silent.
- a few numbers are signalled loud, the remaining silent.
- a few numbers are signalled silent, the remaining loud.

For further description, see chapter “call filter” (-> page 69).

2 Convenient telephone calls

3. During conversation

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Interception of callers	54

Further callers (call waiting)

You are allowed to accept or reject another call waiting during a conversation. When you generally do not want to be disturbed by further calls, it is possible to prohibit call waiting.

During a call hold, brokers call or three-party call no call waiting is possible.

Reject a call waiting



You are having a conversation.

0,242 POUNDS 1:24
06838471112



You hear the call waiting tone.

CALL WAITING FROM
02914635



If the caller has an entry in the directory, the name instead of the number is shown.

CALL WAITING FROM
TOM HARRIS



Press Call key to reject call waiting. The telephone number will be transferred to the call list. The caller receives busy tone.

0,242 POUNDS 1:26
06838471112



Accept a call waiting and hold active connection



You are having a conversation.

0,242 POUNDS 1:26
06838471112



You hear the call waiting tone.

CALL WAITING FROM
02914635



Press Hold / Brokers key to accept call waiting as hold connection

0,121 POUNDS 1:26
02914635



Note:

Brokers call and three-party conference are possible.

Accept a call waiting and terminate active connection



You are having a conversation

0,242 POUNDS	1:26
06838471112	
⏸	

You hear the call waiting tone

CALL WAITING FROM: 02914635
⏸



Press Termination key. Current connection is terminated, call waiting is accepted.

27.10.98	1:26
02914635	
⏸	

Note:

You may also accept the call by placing down the receiver. The call waiting will then be signalled as normal ringing.

Switch off call waiting for the current connection



You are having a conversation.



Press Call key. For the time of the conversation no further calls will be indicated by call waiting. Demands for connection will be transferred to the call list.

0,242 POUNDS	1:26
06838471112	
⏸	

0,242 POUNDS	1:26
06838471112	
⏸	

IMPORTANT NOTE!

- The “locked call waiting” will be indicated during conversation by a flashing symbol “silent signalling” signal in the display.
- The temporary call waiting lock will be cancelled automatically with the end of the call.

Switching off the microphone



You are having a conversation

0,242 POUNDS 06838471112	1:26
⏏	



Press the Mute key. The microphone is then switched off. A supervising symbol appears in display. You are now able to talk in the room, without being heard by your phone partner.

0,242 POUNDS 06838471112	1:30
⏏	



Press Mute key, to continue the conversation.

0,242 POUNDS 06838471112	2:10
⏏	

Note:

During hands-free conversation the hands-free microphone is switched to mute.

Storing a number (notebook)

It is possible to store a number as a note during a conversation. If the telephone number of the subscriber is displayed, you can transfer

You are able to dial the numbers in the directory.



To store a number

You are having a conversation

0,242 POUNDS 06838471112	1:26
⏏	



Press Programming key

PROGRAMMING 06838471112	
⏏	



Press Redial key

NOTEBOOK NUMBER 06838471112	
⏏	



Enter telephone number via Number keys (not applicable, if you want to accept the displayed telephone number)

NOTEBOOK NUMBER 0683123456	
⏏	



Press Programming key

0,363 POUNDS 06838471112	1:26
⏏	

Dialling stored number



Lift receiver.

17.10.98	14:26
06838471112	
⌂	



Press Directory key. First directory entry will be displayed.

DIRECTORY SEARCH: M	▲▼
MARKET GARDEN	
⌂	



Press Redial key. The stored telephone number will be displayed and dialled.

NOTEBOOK NUMBER
06838123456
⌂



Having conversation.

29.11.98	15:43
06838123456	
⌂	

Several connections at the same time

You are able to speak to several subscribers alternatively. You may change connection between these subscribers as you please.

Initiate broker's call



You are having a conversation.

0,242 POUNDS	1:26
06838471112	
⌂	



Press Hold key. The conversation partner hears an announcement.

16.10.98	13:24
DIAL R-NUMBER	
⌂	



Enter telephone numbers via Number keys.

16.10.98	13:24
06838885522	
⌂	



Having broker's call conversation.

0,121 POUNDS	1:55
06838885522	
⌂	



Several connections at the same time



Press Termination key, to end broker's call conversation and to continue the first conversation.

0,363 POUNDS	2:10
06838471112	
::	



or:
Place the receiver on hook to terminate both conversations.

16.10.98	18:41
::	

Note:

If the active partner ends the conversation, it is possible to return to the held partner via the Hold / Broker's key.

Speaking to two subscribers alternatively (broker's call)



You are having a hold conversation

0,242 POUNDS	1:26
06838471112	
::	



Press call Hold / Broker's key to change between the connections.

0,363 POUNDS	1:45
06838885522	
::	



Press Termination key to end the current active conversation. The remaining connection will automatically be activated.

0,242 POUNDS	1:55
06838471112	
::	



or:
Place the receiver on hook to terminate both conversations.

16.10.98	18:41
::	

Note:

If the active partner ends the conversation, it is possible to return to the held partner via the hold / broker's key.

Switching a third party into the conversation (Three-party call)



You are having a conversation

0,242 POUNDS	1:26
06838471112	
⏪	



Press call Hold / Broker's key. The other subscriber hears an announcement.

17.10.98	14:25
DIAL R-NUMBER	
⏪	



Enter telephone number of the second conference party via the Number keys.

17.10.98	14:25
022544637	
⏪	



After the second subscriber has lifted the receiver: press Three-party Call key. You and the other two parties are now connected. All participants are now able to speak directly to each other.

17.10.98	1:55
THREE PARTY CALL	
⏪	

3 During conversation

Speaking only to one of the conference parties



You are having a three-party conference conversation.

17.10.98	1:26
THREE PARTY CALL	
⏪	



Press Hold key.

17.10.98	1:34
PARTNER 1	PARTNER 2
⏪	



Select "Partner 1" or "Partner 2" with Number key 1 or 2. It is now possible for you to speak to the desired partner alone. The other subscriber is held waiting.

0,242 POUNDS	1:46
06838471112	
⏪	

Note:

You return to the three-party conference with the Three-party call key.

Several connections at the same time

Switching off a conference party



You are having a three-party conference conversation.

17.10.98	1:26
THREE-PARTY CALL	
⋮	



Press Termination key.

17.10.98	1:34
PARTNER 1	PARTNER 2
⋮	



Select "Partner 1" or "Partner 2" with Number key 1 or 2. Afterwards you only speak to one partner.

0,363 POUNDS	1:46
06838471112	
⋮	

Note:

Back to three-party conference:
Press three-party Call key. Broker's call to one of the conference parties: Press Hold key.

Terminating three-party conference



You are having a three-party conference conversation.

17.10.98	1:26
THREE-PARTY CALL	
⋮	




Place receiver on hook. Both connections are terminated at same time.

16.10.98	18:41
⋮	

Terminal portability

With your EURACOM P4 it is possible to switch up to two telephone connections to hold (parking). This feature is not at your disposal in EURACOM system mode.



Parking a connection

 You are having a conversation.


```
0,242 POUNDS           1:26
06838471112
┌───┴───┐
```

 Press Parking key.

```
PARK CALL
IDENT NUMBER:
┌───┴───┐
```

  Enter one-figure identity number and then press Parking key.

```
PARK CALL
IDENT NUMBER:1
┌───┴───┐
```

 or:
enter two-figure identity number:
Connection is parked.

```
PARK CALL
IDENT NUMBER:12
┌───┴───┐
```

You are able to establish a new connection immediately.

```
17.10.98           13:25
PLEASE DIAL
┌───┴───┐
```

Note:

A connection can be parked for up to three minutes. After that the central office releases the connection. If an already occupied identity number is entered for parking, an error message appears and parking has to be executed again.

Establishing the connection again



EURACOM *P4* in Idle mode.
Lift receiver.

17.10.98 14:26
PLEASE DIAL



Press Parking key.

RESUMPTION
IDENT NUMBER:



Enter one-figured identity number and
then press Parking key.

RESUMPTION
IDENT NUMBER: 1



or:
enter two-figured identity number.

RESUMPTION
IDENT NUMBER: 12



Conversation.

0,484 POUNDS 0:26
06838471112

Call forwarding

You may forward incoming calls to any extension (eg mobile telephone). To make use of this feature, you first have to establish call forwarding (-> page 56). In delivery condition no call forwarding is set up with your EURACOM *P4*.

Switching on / off call forwarding



EURACOM *P4* in Idle mode.
Press call Forwarding key.

CALL FORWARDING



To switch on call forwarding, press
Programming key. The call forwarding
LED is on.

20.10.98 12:36



or:
Press Termination key to switch off call
forwarding. The call forwarding LED is off.

20.10.98 12:36

Call forwarding with incoming call (call deflection)

In this version of call forwarding the call first comes in. As long as the EURACOM P4 is ringing, you are able to decide, if and to which address the call shall be forwarded.

EURACOM P4 is ringing

```
20.10.98      12:36
068385665
: :
```



Press call forwarding key.
The last call forward destination is being offered in the display.

```
CALL FORWARDING TO
030112233
: :
```



Press Programming key, to forward to this destination.

```
20.10.98      12:36
CALL FORWARDING DONE
: :
```



or:
enter other destination telephone numbers via Number keys. Delete left character with Minus key.

```
CALL FORWARDING TO
040223344
: :
```



or:
Press Dedicated key (if necessary twice for second level)

```
CALL FORWARDING TO
080334455
: :
```



Press Programming key to execute call forwarding. The EURACOM P4 is not ringing anymore.






```
20.10.98      12:36
CALL FORWARDING DONE
: :
```

Note:

The EURACOM P4 has to ring, until the Programming key was pressed finally. With the first use of call deflection after plugging in or departing from network, no forwarding destination will be offered.

Looking up charging information

The charging information since last deletion is stored and summarised. It is possible to display the total charging information or the total units, as well as the charging information and units of the last connection, be displayed.

	EURACOM <i>P4</i> in Idle mode. Press Charging key several times. One after another are displayed: date and time.	20.10.98 12:36 ::
	Charging information and duration of connection (last call).	0,242 POUNDS 1:34 ::
	Units and duration of connection (last call).	2 UNITS 1:34 ::
	Total charging information.	8,710 POUND TOTAL ::
	Total units.	72 UNITS TOTAL ::

Note:

In Idle mode the display of charging information changes to the display of date and time after a few seconds. It is possible to display the charging information during a phone call. After a few second th current charging information and the conversation time appear in the display. To delete charging factor, currency and charging information (->page 66).

Sending tones

With your EURACOM P4 it is possible, to send either DTMF tones, eg for remote control of an answering machine, as also keypad messages for programming of PABX's or services of your network.

Sending DTMF tones

As soon as you have lift the receiver and are hear a dial tone, the Number keys will first be sent as dial information (not to be heard).

If a connection is established, the Number keys will be sent as DTMF tones (to be heard), eg for remote control of answering machines.



You are having a conversation.

0,242 POUNDS	1:34
022369430311	
⏏	



Press Number keys. Shown telephone number will be deleted. Characters will be sent as DTMF tones and shown in display.

0,242 POUNDS	1:34
0011	
⏏	

Note:

The entered DTMF characters will not be transferred to the redial memory.

Sending tones

Sending keypad information

It is possible to program PABX's or use network services by use of keypad messages (not to be heard). You may send keypad messages before dialling, during dialling and during conversation.

Changing to keypad messages



Press Programming key .

```
PROGRAMMING
0011
```



Press Star key.

```
0,242 POUNDS      1:34
0011K
```



Terminating keypad messages



Press Programming key.

```
PROGRAMMING
0011K#*070#
```





Press Star key. Characters will now be sent again as dialling information or DTMF tone.

```
0,242 POUNDS      1:34
0011K#*070#K
```



Note:

Keypad messages will be terminated automatically at the end of a conversation. For distinguishing purpose a "K" is entered in the display after entering the key sequence , . With input of more than 24 characters, it will be scrolled from right to left. Characters sent as keypad messages or DTMF tones, will not be transferred to the redial memory.


Messages in display

Your EURACOM *P4* is capable of showing messages in the display while in Idle mode. This feature allows you to leave your associated users messages. You are able to send a message before having a conversation. During conversation it is possible to receive a message.


Switching on / off messages

Messages are news, being entered by yourself and shown in the display of your EURACOM *P4* in Idle mode. This is how you may leave messages for your partners in an easy way.


Switching on messages

 EURACOM *P4* is in Idle mode.
Press Message key.
The last activated message will be shown in the display.


```
20.10.98      12:36
PLEASE CALL JANE IN THE
OFFICE
: :
```

 Accept shown message with the
Programming key.

```
20.10.98      12:36
PLEASE CALL JANE IN THE
OFFICE
: :
```

 or:
enter new message via Number keys
(2 x 24 = 48 characters, max.). In case of
wrong entry, delete characters to the left
with Minus key and enter new one.

```
20.10.98      12:36
HAVE RECEIVED TICKETS
FOR CONCERT
: :
```

 Conclude entry with Programming key.
EURACOM *P4* is in Idle mode. Message
remains in display, message LED is
flashing.

```
20.10.98      12:36
HAVE RECEIVED TICKETS
FOR CONCERT
: :
```

Messages in display

Switching off messages

EURACOM *P4* is in Idle mode.
Message will be shown in the display.

```
20.10.98      12:36
PLEASE CALL JANE IN
THE OFFICE
: :
```



Press Message key.

```
20.10.98      12:36
PLEASE CALL JANE IN
THE OFFICE
: :
```



Press Termination key. A message to confirm deletion appears in display.

```
CLEAR MESSAGE?
PLEASE CALL JANE IN
THE OFFICE
: :
```



Confirm deletion with Programming key.
Back to the Idle mode without deletion with every other key.

IMPORTANT NOTE!

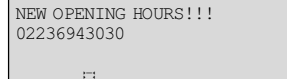
- With activated message text, this will always be shown in the Idle mode of the telephone.
- With activated message text, the message LED is flashes.
- No message text will be shown in the display, when the message text is first activated after set up or cutting from network.
- If you have installed an answering machine module, you are not able to use the function "Activation of messages".

Sending and receiving messages

You may send a message in advance of telephone conversation. This message may contain up to 32 characters and must be preconfigured in the programming menu (-> page 98). The message will then be transmitted with each going connection. You may receive messages at any time, being displayed eg as running text.

Reception during connection setup/ -termination (UUS1)

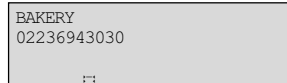
EURACOM P4 is ringing. The transmitted information will be shown as running text in the first line of the display.



NEW OPENING HOURS!!!
02236943030



Lift the receiver to accept the call. The running text will remain for the first ten seconds after hook off and is then switched off.

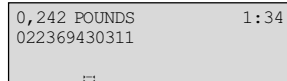


BAKERY
02236943030

Reception during conversation (UUS 3)



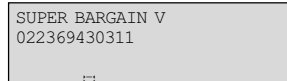
You are having a conversation.



0,242 POUNDS 1:34
022369430311



The caller is sending a message, being shown as running text in the first line of the display. The displayed information is constantly repeated.

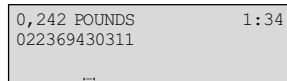


SUPER BARGAIN V
022369430311

To interrupt the display of information:



Press Charging key. With end of conversation the information display ends automatically.



0,242 POUNDS 1:34
022369430311

IMPORTANT NOTE!

- Both terminals being part of the connection have to support this feature.
- Both subscribers must have ordered this feature for their connection.

Interception of callers

It is possible to intercept the telephone number of an undesired caller and let it be stored by your network provider. This facility has to be arranged with your network provider.

Interception of callers



You are having a conversation with an undesired caller with his number not being shown.

20.10.98	12:36
NUMBER SUPPRESSED	
☒	



Press Dedicated key with the function “interception”. The number of the caller will be recorded. You may ask your network provider for it.

20.10.98	12:36
NUMBER WILL BE INTERCEPTED	
☒	

Note:

You can intercept a connection up to 20 seconds after termination.

4. INDIVIDUAL SETUP OF YOUR TELEPHONE

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The following pages provide information on how to set up the various functions of your EURACOM *P4* (programming).

The programming is only possible in the Idle mode of your telephone. The programming will be interrupted by lifting the receiver or pressing the speaker key. All concluded programming steps right up to this moment will be accepted. A programming operation not being concluded, will not be stored.

In the case you receive a call during programming, the display information will remain unchanged. The programming operation will first be interrupted by accepting the call. Rejecting with the help of the Call key is not possible.

The operation of the answering machine will not be influenced by the programming.

Programming of call forwarding

The call forwarding is valid for all devices being connected to an S_0 bus. The call forwarding is performed in the central office. Therefore no user channel will be occupied. The call forwarding is valid for each of the programmed MSN and all devices with the same MSN, being connected to an S_0 bus.

Your EURACOM *P4* is capable of selecting between three modes of call forwarding:

CFU:

Unconditional call forwarding. Every call will be forwarded to the destination number immediately, without being indicated on the own S_0 bus.





CFB:

Call forwarding on busy. A call will then be forwarded to the destination number, if the called MSN is engaged.

CFNR:

Call forwarding after a time period: A call will then be forwarded to the destination number, if the called MSN has not accepted the call after 15 seconds.

Programming of call forwarding

-  EURACOM P4 in Idle mode.
Press Programming key.
-  Press forwarding key.
-  Press Plus or Minus key, to allow the desired menu point to be shown.
- eg  Press Number key for the desired MSN, eg MSN2.
- Enter afterwards:
- ▶ the destination of the call forwarding
 - ▶ status (call forwarding on / off)
 - ▶ mode of call forwarding




```
PROGRAMMING
:
:
```

```
CALL FORWARDING
0:END 1:MSN1 2:MSN2
3:MSN3 4:MSN4 5:MSN5
:
:
```

```
CALL FORWARDING
3:MSN3 4:MSN4 5:MSN5
6:MSN6 7:ALL
:
:
```

```
CALL FORWARDING MSN2
0:END 1:DEST 2:STATE
3:CFU 4:CFB 5:CFNR
:
:
```

Enter destination of call forwarding

-  Press Number key 1 for the menu point "Dest".
-  Enter destination call number via number keys. To correct entry: delete left character with Minus key.
-  Conclude entry with Programming key. You have then entered the destination of the call forwarding. Afterwards switch on or off the call forwarding.

```
CALL FORWARDING MSN2
INPUT DESTINATION NUMBER
:
:
```

```
CALL FORWARDING MSN2
INPUT DESTINATION NUMBER
03012345678
:
:
```

```
CALL FORWARDING MSN2
0:END 1:DEST 2:STATE
3:CFU 4:CFB 5:CFNR
:
:
```


Programming of call forwarding

To switch on / off call forwarding

- 2 Press Number key 2 for the menu point "State".

```
CALL FORWARDING MSN2
ACTUAL: OFF
0:END 1:ON 2:OFF
: :
```

- eg 1 Press Number key for the desired setting or quit the menu point with 0 without change.

```
CALL FORWARDING MSN2
0:END 1:DEST 2:STATE
3:CFU 4:CFB 5:CFNR
: :
```

Afterwards set up the forwarding mode.

To set up mode of forwarding

- eg 4 Select desired call forwarding mode or quit menu point without change with 0.
3: CFU Call forwarding immediately
4: CFB Call forwarding on busy
5: CFNR Call forwarding after time period

```
CALL FORWARDING MSN2
USER BUSY: OFF
0:END 1:ON 2:OFF
: :
```

- eg 1 Switch on or off the selected call forwarding mode or quit menu point without change with 0.

```
CALL FORWARDING MSN2
0:END 1:DEST 2:STATE
3:CFU 4:CFB 5:CFNR
: :
```

IMPORTANT NOTE!

- If "state" is switched off, the settings for CFU, CFB and CFNR are not active, but are kept stored and will be activated again with switching on of "state".
- If no destination number has been entered, the settings for CFU, CFB and CFNR are not active, but are kept stored and will be activated again with the entry of a destination number.
- If CFU is switched on, CFB and CFNR are automatically inactive, no matter if they are switched on or off.
- If the "state" for "all" is switched on, the settings for the individual MSN are not active, but are kept stored and will be activated again with switching off of "state" for "all".
- The settings being made here (eg status on/off) will first be activated with switching on of the call forwarding (-> page 46).

Programming of Dedicated keys

Your EURACOM *P4* is equipped with 10 Dedicated keys, which you may program twice with telephone numbers. Therefore it is possible, to store your frequently used telephone numbers, functions or carrier on Dedicated keys and activate them with a key stroke.

Programming Dedicated key with telephone number



EURACOM *P4* in Idle mode.
Press Programming key.

```
PROGRAMMING
:
:
```



Press desired Dedicated key once or twice, to select the first or second level.
An entry, which is already existing, will be displayed.

```
PROGRAMMING
NAME KEY 1
:
:
```



Enter the desired telephone number with dial keys. To correct input: delete left character with Minus key. Special characters * and # are allowed.

```
PROGRAMMING
NAME KEY 11
068112345678
:
:
```



Press Programming key to complete entry.

Programming Dedicated key with function

➞ EURACOM P4 in Idle mode.
Press Programming key.

```
PROGRAMMING
:
:
```

▀ Press desired Dedicated key once or twice, to select the first or second level. An entry, which is already existing, will be displayed.

```
PROGRAMMING
NAME KEY 11
:
:
```

* * Press Star key twice, to initiate the programming. Enter two-figure function code.

```
PROGRAMMING
NAME KEY 11
**
:
:
```

To correct entry: delete left character with Minus key.

```
PROGRAMMING
ZIELWAHLTASTE 11
**12
:
:
```

➞ Press Programming key to finish entry.

Programming Dedicated key with carrier prefix

➞ EURACOM P4 in Idle mode.
Press Programming key.

```
PROGRAMMING
:
:
```

▀ Press desired Dedicated key once or twice, to select the first or second level. An entry, which is already existing, will be displayed.


```
PROGRAMMING
NAME KEY 2
:
:
```

* * Press Star key twice, to initiate the programming.

```
PROGRAMMING
NAME KEY 2
**
:
:
```

2 1 Enter code number 21 for the function "carrier prefix".

```
PROGRAMMING
NAME KEY 2
**21
:
:
```

*  Press Star key and enter carrier prefix.

```
PROGRAMMING
NAME KEY 2
**21* 01099
:
:
```

➞ Press Programming key to complete entry.

Deletion of programming



EURACOM P4 in Idle mode.
Press Programming key.

```
PROGRAMMING
:
:
```



Press desired Dedicated key once or twice, to select the first or second level.
An entry, which is already existing, will be displayed.

```
PROGRAMMING
NAME KEY 1
03012345678
:
:
```



Delete programming with Termination key.
You will be asked to confirm the entry.

```
CLEAR?
NAME KEY 1
03012345678
:
:
```



Confirm deletion with Programming key.
To abort, press any key.

IMPORTANT NOTE!








- You may accept the telephone number, stored in the note book, by pressing the Redial key instead of entering it via Number keys.
- It is only possible to post dial with another Dedicated key after activation of a Dedicated key, programmed with a carrier prefix.
- Programming of the Dedicated keys with function codes is possible with the following functions:

12	going signalling with the second MSN
13	going signalling with the third MSN
14	going signalling with the fourth MSN
15	going signalling with the fifth MSN
16	going signalling with the sixth MSN
20	switching off permanent carrier selection for the current conversation
21*nnnnn	Dialling with carrier
30	ECT (switching with PABXs)
31	MCID (interception of malicious calls)
50	Direct call on / off
- To make use of the function code, the Dedicated key has to be pressed before lifting the receiver.

Programming of directory

You are able to store up to 200 entries with telephone number and name in the directory. In case of an incoming call the name of the caller will also be displayed, if the phone number is transmitted and stored in the directory. However, for all this to function it is vital that the own area code be entered with the subscriber configuration.


New entry in directory

-  EURACOM P4 in Idle mode.
Press Programming key.
-  Press Directory key. Press Plus or Minus key, if necessary, to desired menu point to be displayed.
-  Press Number key 1 for the function.
-  Press dial keys, to enter the name. Carry on to next character with Plus key.
-  Press Programming key, to complete the input.
-  Enter phone number with dial keys.
Correct input: delete left character with Minus key.
-  Press Programming key, to finish the entry.
- ```
PROGRAMMING
:
:
```
- ```
DIRECTORY
0:END      1:NEW ENTRY  ▲
2:CHANGE  3:DELETE   ▼
:
:
```
- ```
DIRECTORY NEW ENTRY
INPUT NAME
:
:
```
- ```
DIRECTORY NEW ENTRY
INPUT NAME
TOM TAILOR
:
:
```
- ```
DIRECTORY
INPUT NUMBER
:
:
```
- ```
DIRECTORY NEW ENTRY
INPUT NUMBER
03012345678
:
:
```
- ```
DIRECTORY
0:END 1:NEW ENTRY ▲
2:CHANGE 3:DELETE ▼
:
:
```


#### Note:

It is possible, to accept stored phonenumbers from Dedicated keys or from the notebook (Redial key).  
It is not possible, to program functions in the directory.

Change entry

- 


EURACOM P4 in Idle mode.  
Press Programming key.

```
PROGRAMMING
:
:
```
- 


Press Directory key. Press Plus or Minus key, if necessary, to allow desired menu point to be displayed.

```
DIRECTORY
0:END 1:NEW ENTRY ▲
2:CHANGE 3:DELETE ▼
:
:
```
- 2


Press Number key 2 for the function "Change".

```
CHANGE DIRECTORY
SEARCH ENTRY: A ▲▼
:
:
```
- 


Enter first character with the dial keys, or let the desired entry be displayed with the help of the Plus and the Minus key.

```
CHANGE DIRECTORY
SEARCH ENTRY: M ▲▼
MILLER TOM
:
:
```
- 


Press Programming key, to select the shown entry.

```
CHANGE DIRECTORY
CHANGE NAME
MILLER TOM
:
:
```
- 


(if applicable) Change name: press Minus key to delete left characters. Afterwards enter new again.

```
CHANGE DIRECTORY
CHANGE NAME
MILLER TOMMY
:
:
```
- 

Press Programming key, to complete the input.

```
CHANGE DIRECTORY
CHANGE NUMBER
03012345678
:
:
```
- 


(if applicable) Change number: press Minus key to delete left characters. Then enter new characters.

```
CHANGE DIRECTORY
CHANGE NUMBER
03012345677
:
:
```
- 


Press Programming key, to finish the entry.

```
DIRECTORY
0:END 1:NEW ENTRY ▲
2:CHANGE 3:DELETE ▼
:
:
```

**Delete entry**

- 


EURACOM P4 in Idle mode.  
Press Programming key.

```
PROGRAMMING
:
:
```
- 


Press Directory key. Press Plus or Minus key, if necessary, to let the desired menu point be displayed.

```
DIRECTORY
0:END 1:NEW ENTRY ▲
2:CHANGE 3:DELETE ▼
:
:
```
- 3


Press Number key 3 for the function

```
DIRECTORY
SEARCH ENTRY: A ▲▼
:
:
```
- 

Enter first character with the dial keys, or let the desired entry be displayed with the help of the Plus and the Minus key.

```
CLEAR DIRECTORY
EINTRAG LÖSCHEN: M ▲▼
MUSTER WILLI
:
:
```
- 

Press Termination key, to select the shown entry. You will be asked to confirm the entry.

```
CLEAR DIRECTORY
CLEAR ENTRY?
MILLER TOM
:
:
```
- 

Press Programming key, to confirm the entry.

```
DIRECTORY
0:END 1:NEW ENTRY ▲
2:CHANGE 3:DELETE ▼
:
:
```

## Load directory from PC



EURACOM P4 in Idle mode.  
Press Programming key.

```
PROGRAMMING
:
:
```



Press Directory key. Press Plus or Minus key, if necessary, to allow the desired menu point to be displayed.

```
DIRECTORY
2:CHANGE 3:DELETE ▲
4:LOAD FROM PC ▼
:
:
```

4

Press Number key 4 for the function "Load from PC".  
To abort, press key 0.

```
DIRECTORY
LOAD FROM PC
0:END 1:START
:
:
```

1

Activate load mode with Number key 1. The data will now be transmitted from the PC to the telephone. Everything else will be controlled by the PC.

```
DIRECTORY
LOAD FROM PC: ACTIV
:
:
```

After successful data transfer, your telephone switches to the Idle mode automatically.

```
07.05.98 12:54
:
:
```



## Programming of charging information

The ISDN network is also transmitting charge units. They can be converted into charging information with an adjustable factor in the EURACOM *P4* and be displayed. You can also program a currency, described by up to four numerals. The EURACOM *P4* adds the charging information of the several connections. These data will be saved also in case of a power failure.

Delivery state "factor": 0,042

Delivery state "currency": Pounds sterling



EURACOM *P4* in Idle mode. Press Programming key.

```
PROGRAMMING
:
:
```



Press Charge key.

```
CHARGES
0:END 1:DELETE
2:FACTOR 3:CURRENCY
:
:
```

### Delete summarized charging information

2

Confirm deletion with Number key 1 or quit menu point without change with 0.

```
CHARGES
DELETE?
0:END 1:DELETE
:
:
```



After number input back to menu "Charges".

```
CHARGES
0:END 1:DELETE
2:FACTOR 3:CURRENCY
:
:
```

### Program charge factor

2

Enter the factor with Number keys as a two-figure number with three decimal places. Delete left character with Minus key.

```
CHARGES
INPUT CHARGE FACTOR
0,121
:
:
```



Complete input with Programming key. You are back in the menu "Charges".

```
CHARGES
0:END 1:DELETE
2:FACTOR 3:CURRENCY
:
:
```

## Program currency

- 3 Enter the desired currency (max. four-figures) with Number keys. Delete left characters with Minus key. Proceed to the next character with Plus key.

```
CHARGES
INPUT CURRENCY
POUNDS
: :
```

- Complete input with Programming key. You are back to the menu "Charges".

```
CHARGES
0:END 1:DELETE
2:FACTOR 3:CURRENCY
: :
```

- 0 By pressing "0", you quit the menu and return to the Idle mode.

```
23.05.98 15:20
: :
```

## Programming a alarm or wake-up call

It is possible for you, to set up an alarm call. For this reason enter time **and** date. You may also set up a wake-up call. In this case only enter a time and **no** date. You will then be reminded daily at this time by a special tone signal.

### Enter alarm or wake-up call

- 🕒 EURACOM P4 in Idle mode. Press Alarm key.

```
ALARM
DATE: . . .
TIME: : :
: :
```

- ⋯ Enter date (day, month, year) with Number keys. Without date = wake-up call, with date = alarm call. Delete left characters with Minus key.

```
ALARM
DATE:15.10.98
TIME: : :
: :
```

- Complete the entry of the date with the Programming key.

```
ALARM
DATE:15.10.98
TIME: : :
: :
```

- ⋯ Enter time (hours, minutes) with Number keys. Delete left characters with Minus key.

```
ALARM
DATE:15:10:98
TIME:17:00
: :
```

- Confirm the input of the time with Programming key. Alarm or wake-up call is switched on.

```
14.10.98 15:28
: :
```

## Programming a alarm or wake-up call

### Delete alarm or wake-up call

---



EURACOM P4 in Idle mode.  
Press Alarm key. Valid setting is shown.

```
ALARM
DATE:15.10.98
TIME:17:00
: :
```



Press Termination key for deletion.

```
CLEAR ALARM?
DATE:15.10.98
TIME:17:00
: :
```



Confirm deletion with the Programming key. Return to the Idle mode without deletion with every other key.

```
15.10.98 15:20
: :
```

---

### IMPORTANT NOTE!

---

- If an alarm is switched on, the alarm LED is on.
- If the date time is reached, you will hear a special tone signal. The LED switches off. In case of a wake-up call the alarm LED illuminates.
- In case of "Clear alarm" the entered data will also be lost.

## Call filter

The assumption is made, that the telephone number of the caller is being transmitted. If you have switched on “Silent signalling”, calls will only be indicated visually. With the assistance of call filters it is possible to specify up to five telephone numbers for additional calls, with following exceptions:

Lock filter: calls with telephone numbers, determined in this place, will be signalled silently, all other calls will be signalled normally (loud).

Unlocked filter: calls with telephone numbers, determined in this place, will also be signalled acoustically. This may be convenient, if you are waiting for an important call, but do not want to be disturbed with other calls.

### Set up locked numbers



EURACOM P4 in Idle mode.  
Press Programming key.

```
PROGRAMMING
:
:
```



Press Call key.

```
INCOMING CALL FILTER
0:END 1:FILTER TYPE
2:LOCKED NUMBERS
:
:
```

2

Press key 2 for locked numbers.

```
LOCKED NUMBERS
0:END
1:LOCK NUMBER 1
:
:
```

1

Enter number for the desired locked number.

```
LOCKED NUMBERS
LOCK NUMBER 1
:
:
```



Enter the number to be locked with Number keys. Correct input: Delete left characters with Minus key.

```
LOCKED NUMBERS
LOCK NUMBER 1
0301234
:
:
```




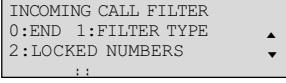

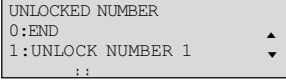

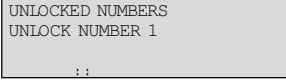

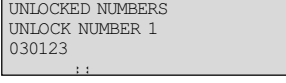

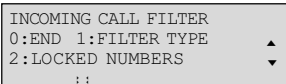


Complete entry with Programming key. You have thus set up a locked number. You have returned “Incoming call filter”.

```
INCOMING CALL FILTER
0:END 1:FILTER TYPE
2:LOCKED NUMBERS
:
:
```

## Call filter

### Set up unlocked numbers

|                                                                                   |                                                                                                                                     |                                                                                                                                                             |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | EURACOM P4 in Idle mode.<br>Press Programming key.                                                                                  |  <pre>PROGRAMMING : :</pre>                                               |
|  | Press Call key.                                                                                                                     |  <pre>INCOMING CALL FILTER 0:END 1:FILTER TYPE 2:LOCKED NUMBERS : :</pre> |
|  | Press key 3 for locked numbers.                                                                                                     |  <pre>UNLOCKED NUMBER 0:END 1:UNLOCK NUMBER 1 : :</pre>                   |
|  | Enter number for the desired unlocked number.                                                                                       |  <pre>UNLOCKED NUMBERS UNLOCK NUMBER 1 : :</pre>                          |
|  | Enter the number to be signalled with Number keys. Correct input: Delete left characters with Minus key.                            |  <pre>UNLOCKED NUMBERS UNLOCK NUMBER 1 030123 : :</pre>                   |
|  | Complete entry with Programming key. You have thus set up an unlocked number. You have returned to the menu "Incoming call filter". |  <pre>INCOMING CALL FILTER 0:END 1:FILTER TYPE 2:LOCKED NUMBERS : :</pre> |

### IMPORTANT NOTE!

- You may enter the telephone numbers of the locked and unlocked filter also incomplete. You are then able to allow through, for example, all calls from a certain area.
- You are able to use "silent signalling" on its own or in combination with one of the two call filters.

## 5. CHANGING BASIC SETTINGS

---

|                                                  |           |
|--------------------------------------------------|-----------|
| <b>Changing presets</b>                          | <b>72</b> |
| Set up of date and time                          | 73        |
| Set up of display                                | 73        |
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| Set up volume of the speaker                     | 75        |
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| Set up of language                               | 75        |
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| Other settings                                   | 78        |
| <br>                                             |           |
| <b>Programming of connection mode</b>            | <b>79</b> |
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| <br>                                             |           |
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| <br>                                             |           |
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| Programming of direct numbers                    | 94        |
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| <br>                                             |           |
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| <b>Programming of carrier prefix</b>             | <b>97</b> |
| <b>Programming of message text</b>               | <b>98</b> |
| Enter UUS message                                | 98        |

You are able to set up all of the functions described in this section in the programming mode of your EURACOM P4. It is only possible to do the programming in the Idle mode of your telephone set. The programming will be aborted, if you lift the receiver or press the speaker key. All of the already concluded programming steps will be stored.

If you are receiving a call during programming, the display remains unchanged. The programming operation will first be interrupted, if you accept the call. It is not possible to refuse it with the help of the Call key.

The functioning of the answering machine will not be influenced by the programming operations.

## Changing presettings



You will be able to perform all of the described settings of this section in the menu "Main settings". And this is how you get into the menu "Main settings":

  EURACOM P4 in Idle mode.  
Press Programming key twice

```
PROGRAMMING
0:END
1:MAIN SETTINGS
 :
```

**1** Press key 1. You are now in menu "Main settings".

```
MAIN SETTINGS
0:END
1:CHANGE PIN
 :
```

  If necessary press Plus or Minus key so often, until the desired menu point is displayed:

```
MAIN SETTINGS
2:PIN LOCKING
3:DATE AND TIME
 :
```

eg **3** Press number of the menu point. This is how you call up the respective menu.

```
MAIN SETTINGS
DATE AND TIME
00.00.00 00:00
 :
```

### Note:

You may also call up a menu point directly via the respective number, without it been being shown in the display in advance with the help of the Plus or Minus key.

## Set up of date and time

In menu “Main settings”:

Keysequence:

```
MAIN SETTINGS
0:END
1:CHANGE PIN
::
```

3

Press key 3. You have now entered the menu “date and time”.

```
MAIN SETTINGS
DATE AND TIME
00.00.00 00:00
::
```

3

Enter date (six figures) and time (four figures) via Number keys. Delete left character with Minus key.

```
MAIN SETTINGS
DATE AND TIME
29.10.98 15:45
::
```



Complete entry with Programming key. You have thus entered date and time.

```
MAIN SETTINGS
2:PIN LOCKING
3:DATE AND TIME
::
```

### Note:

If date and time are being received from the network during an ongoing connection, the manually entered data will be overwritten. If there has not yet taken place any ongoing connection and no time has been entered manually, instead of date and time “00.00.00 00.00” will be shown.

## Set up of display

In menu “Main settings”:

Keysequence:

```
MAIN SETTINGS
0:END
1:CHANGE PIN
::
```

5

Press key 5. You have now entered the menu „display contrast”.

```
MAIN SETTING
DISPLAY CONTRAST
LEVEL ■■
::
```



You may vary the display contrast in two steps with the Plus and Minus key.

```
MAIN SETTING
DISPLAY CONTRAST
LEVEL ■□
::
```



Complete entry with Programming key. You have thus programmed the display contrast.

```
MAIN SETTINGS
4:LANGUAGE
5:DISPLAY CONTRAST
::
```



## Changing presets

### Set up volume of the receiver

In menu “Main settings”:

Keysequence:

```
MAIN SETTINGS
0:END
1:CHANGE PIN
::
```

Press key 6. You are now in menu “receiver volume”.

```
MAIN SETTINGS
HANDSET VOLUME
LEVEL ■ □
::
```

You are able to vary the receiver volume in two steps with the Plus or Minus key.

```
MAIN SETTINGS
HANDSET VOLUME
LEVEL ■■
::
```

Complete entry with the Programming key. You have this programmed the receiver volume.

```
MAIN SETTINGS
6:HANDSET VOLUME
7:LOUDSPEAKER VOLUME
::
```

### Set up volume of the speaker

In menu “Main settings”:

Keysequence:

```
MAIN SETTINGS
0:END
1:CHANGE PIN
::
```

Press key 7. You are now in menu “loudspeaker volume”.

```
MAIN SETTINGS
LOUDSPEAKER VOLUME
LEVEL ■■■■■□□□□□
::
```

You are able to vary the speaker level in nine steps with the Plus or Minus key.

```
MAIN SETTINGS
LOUDSPEAKER VOLUME
LEVEL ■■■■■■■□□
::
```

Complete entry with the Programming key. You have thus programmed the speaker level.

```
MAIN SETTINGS
6:HANDSET VOLUME
7:LOUDSPEAKER VOLUME
::
```

## Set up ringing level

In menu "Main settings":

Keysequence: **1**

```
MAIN SETTINGS
0:END ▲
1:CHANGE PIN ▼
: :
```

**8**

Press key 8. You are now in menu "ringing level".

```
MAIN SETTINGS
RINGER VOLUME
LEVEL ■■■□□□□
: :
```

You are able to vary the ringing level in eight steps with the Plus or Minus key. During this set up the EURACOM P4 is ringing.

```
MAIN SETTINGS
RINGER VOLUME
LEVEL ■■■■■□□□
: :
```

Complete entry with the Programming key. You have thus programmed the ringing level.

```
MAIN SETTINGS
8:RINGER VOLUME ▲
9:OTHER FUNCTIONS ▼
: :
```

## Set up of language

In menu "basic settings":

Keysequence: **1** **8**

```
MAIN SETTINGS
0:END ▲
1:CHANGE PIN ▼
: :
```

**4**

Press key 4. You are now in menu "language"

```
MAIN SETTINGS
LANGUAGE: ENGLISH
0:END 1:DEUTSCH ▲▼
: :
```

It is possible to let the desired language be displayed by use of the Plus or Minus key.

```
MAIN SETTINGS
LANGUAGE: DEUTSCH
0:END 1:DEUTSCH ▲▼
: :
```

Press Number key for the desired language.

Complete entry with the Programming key. You have thus programmed the language.

```
MAIN SETTINGS
4:LANGUAGE ▲
5:DISPLAYCONTRAST ▼
: :
```

## Changing presets

### Set up of the PIN

In menu "Main settings":

Keysequence:   

```
MAIN SETTINGS
0:END
1:CHANGE PIN
::
```

1

Press key 1. You are asked to enter a new PIN.

```
MAIN SETTINGS
INPUT NEW PIN
XXXX
::
```



Enter new PIN (always four-figures) with Number keys. Delete left characters with Minus key.

```
MAIN SETTINGS
INPUT NEW PIN
1234
::
```



Complete entry with Programming key.

```
MAIN SETTINGS
REPEAT PIN INPUT
XXXX
::
```



Enter your PIN for check again.

```
MAIN SETTINGS
REPEAT PIN INPUT
1234
::
```



Complete entry with Programming key. You have thus programmed a new PIN.

```
MAIN SETTING
0:END
1:CHANGE PIN
::
```

#### Note:

In delivery state the PIN "0000" is preset. If a PIN unequal "0000" is programmed this will be asked for before entering the programming mode and with activated safety function also before reading of a dial memory. The input of a wrong PIN will cause the abortion of the programming operation. If a different PIN is entered during repetition, a error message will appear. In this case the PIN will remains unchanged.

## Save stored numbers

With this function it is possible to protect each of your dial memories (directory, Dedicated keys, call list, redialling) against unauthorized access.

With activated protection first the PIN will be asked. This is why only persons, knowing your PIN, will have access to the above mentioned memories.

In delivery state this protection mode is not activated.

In menu "Main settings":

Keysequence: 1

```
MAIN SETTINGS
0:END ▲
1:CHANGE PIN ▼
::
```

2 Press key 2. You are now in menu "PIN locking".

```
MAIN SETTINGS
PIN LOCKING
0:END 1:DIRECTORY ▲▼
::
```

It is possible to let the desired dial memory be displayed (in this case "redialling") with the Plus or Minus key.

```
MAIN SETTINGS
PIN LOCKING
4:LAST NUMBER REDIAL ▲▼
::
```

eg 4 Press Number key for the desired dial memory (in this case 4 for "redialling").

```
PIN LOCKING
LAST NUMBER REDIAL: OFF
0:END 1:ON 2:OFF
::
```

eg 1 Switch protection:  
On: 1  
Off: 2  
or back to the preceding menu with 0 without change.

```
PIN LOCKING
LAST NUMBER REDIAL: ON
0:END 1:ON 2:OFF
::
```

0 With 0 to the preceding menu. You have thus programmed a protection function for this dial memory.

```
MAIN SETTINGS
PIN LOCKING
4:LAST NUMBER REDIAL ▲▼
::
```

### Note:

Directory and Dedicated keys are protected against input and use. Entries to the redial memory and the call list will still be performed, but the memories can only be operated via a PIN.

**Other settings**

In menu "Main settings":

Keysequence: → → 1

```
MAIN SETTINGS
0:END
1:CHANGE PIN
: :
```

9 Press key 9. You are now in menu "Other functions".

```
MAIN SETTINGS
OTHER FUNCTIONS
0:END 1:HEADSET
: :
```

eg 1 Press Number key for the desired function:

- Set up of headset: 1
- Clear memory: 2
- Reset: 3
- Softwareupdate: 4

```
MAIN SETTINGS
HEADSET: OFF
0:END 1:ON 2:OFF
: :
```

eg 1 Press Number key to switch on or off the desired function:

- 1: On / Clear / Reset / Update
- 2: Off / Abort

You are back to the preceding menu.

```
MAIN SETTINGS
OTHER FUNCTIONS
0:END 1:HEADSET
: :
```

**IMPORTANT NOTE!**

- **Headset operation:** The hook switch is without function. Handsfree operation is not possible. To activate a line, press the speaker key. Switch on / off speaker phone operation: press speaker key for approximately 1,5 seconds.
- **Clear memory:** clears the following memories:
  - call lists
  - connection list
  - directory
  - notebook
  - redial memory
  - dedicated memories
- **Reset:** Your EURACOM P4 will be reset to its original factory settings. The memories will not be cleared.
- **Softwareupdate:** With the menu point "start" the EURACOM P4 will be prepared. You have to execute the further operating steps with your PC. Your telephone is not reacting upon keys or calls during update. After update your telephone is back to the Idle mode again.

**ATTENTION:** The update should not be interrupted, eg by power failure. Otherwise your telephone remains in the condition "start softwareupdate".

## Programming of connection mode

In delivery state the EURACOM P4 is configured for operation in multiple subscriber connection. After connection of your telephone set, you are able of making calls immediately (plug & go).

But it is also possible to operate your EURACOM P4 in a system connection. All settings, described here, may be done in the menu subscriber configuration. And this is how you get to the menu "subscriber configuration":

- ➔ ➔ EURACOM P4 in Idle mode.  
Press Programming key twice.

```
PROGRAMMING
0:END
1:MAIN SETTINGS
::
```

- 2 Press key 2. You are now in menu "subscriber configuration".

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE
2:CALL SIGNALLING
::
```

- ▲/▼ If necessary, press the Plus or Minus key so often, until the desired menu point is shown.

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE
2:CALL SIGNALLING
::
```

- eg 1 Press Number key of the menu point. This is how you call up the respective menu.

```
SUBSCRIBER CONFIG.
TYPE: MULTI SUBSCRIBER
0:END
::
```

### Note:

You are also able to call up a menu point directly via the respective number, without letting it be shown before in the display by use of the Plus or Minus key.

## Set up of multiple subscriber connection

In delivery state the EURACOM *P4* is already preset for operation in multiple subscriber connection. You only have to enter your multiple subscriber numbers (MSNs - a maximum of six MSNs is possible).

In menu "subscriber configuration":

Keysequence:

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE ▲
2:CALL SIGNALLING ▼
: :
```

**1** Press key 1. You are now in menu "subscriber configuration".

```
SUBSCRIBER CONFIG.
TYPE: MULTI SUBSCRIBER
0: END ▲▼
: :
```

**1** Press key 1. You are now in menu "multi subscriber".

```
MULTI SUBSCRIBER
INPUT NUMBER
0:END 1:MSN1 2:MSN2 ▲▼
: :
```

eg **2** Select an MSN with the respective Number key and afterwards enter the MSN via number keys. Delete left characters with Minus key. To delete the number clear all characters.

```
MULTI SUBSCRIBER
INPUT NUMBER
MSN2:123456789 ▲▼
: :
```

Complete entry with Programming key. You have thus programmed your MSN. Afterwards you may then enter further MSNs.

```
MULTI SUBSCRIBER
INPUT NUMBER
0:END 1:MSN1 2:MSN2 ▲▼
: :
```

**0** Back to the preceding menu with 0.

```
SUBSCRIBER CONFIG.
TYPE: MULTI SUBSCRIBER
0: END ▲▼
: :
```

**Note:**

If no telephone number is entered, the EURACOM *P4* reacts to all incoming calls. MSNs are 16-figures at the maximum.

## Set up of system connection

In menu "subscriber configuration":

Keysequence: 2

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE ▲
2:CALL SIGNALLING ▼
::
```

1 Press key 1. You are now in menu "subscriber type".

```
SUBSCRIBER CONFIG.
TYPE: PABX MODE
0: ENDE ▲▼
::
```

2 Press key 2. You are now in menu "PABX mode".

```
PABX MODE
INPUT NUMBER
0:END 1:BASE NUMBER
::
```

1 Press key 1 and afterwards enter base number" via Number keys. Correct input: delete left characters with Minus key.

```
PABX MODE
INPUT NUMBER
BASE #:123456789
::
```

Complete entry with Programming key and back to the preceding menu. You have thus programmed the base number.

```
PABX MODE
INPUT NUMBER
0: END 1:BASE NUMBER
::
```

**IMPORTANT NOTE!**

The base number is the part of your phone number without direct dialling in.



## Programming of call signalling

Your EURACOM *P4* is capable of indicating an incoming call in different ways. It is therefore possible to program a ring delay for each of the MSNs each with its own ringing rhythm and also speed of the tone sequence. You can further assign a name to the telephone number. In this case an incoming call additionally will be displayed with the name of the subscriber. You have to program all corresponding settings in the menu “call signalling”. And this is how you get to the menu “call signalling”:

→ → EURACOM *P4* in Idle mode. Press Programming key twice.

```
PROGRAMMING
0:END
1:MAIN SETTINGS
:
```

2 Press key 2. You are now in menu “subscriber config.”.

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE
2:CALL SIGNALLING
:
```

2 Press key 2. You are now in menu “call signalling”

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END
:
```

▲/▼ If necessary, press the Plus or Minus key until the desired menu point is shown.

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END
:
```

eg 2 Press Number key of the menu point. This is how you call up the respective menu.

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
2:RINGER SIGNALLING
:
```

### Note:

You are also able to call up a menu point directly via the respective number. This is achieved without it being shown first in the display thanks to the use of the Plus or Minus key.

## Ring delay

In menu "call signalling"

Keysequence: 2 2

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END ▲▼
::
```

**1** Press key 1. You are now in menu "ring delay".

```
SUBSCRIBER CONFIG.
RING DELAY
0:END 1:MSN1 2:MSN2 ▲▼
::
```

eg **1** Select MSN, which shall be programmed with ring delay, with Number key.

```
SUBSCRIBER CONFIG.
RING DELAY
MSN1: ■■■■□□□□□□
::
```

/ Set delay (possible in ten steps) with Plus or Minus key.

```
SUBSCRIBER CONFIG.
RING DELAY
MSN1: ■■■■■■□□□□
::
```

Complete entry with Programming key. You have then programmed the ring delay for one MSN. Afterwards it is possible to program ring delays for further MSNs.

```
SUBSCRIBER CONFIG.
RING DELAY
0:END 1:MSN1 2:MSN2 ▲▼
::
```

**0** With 0 to preceding menu.

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END ▲▼
::
```

### IMPORTANT NOTE!

Each step represents approx. 5 seconds of ring delay.


## Ringer signalling

In this section you learn how to adjust the tone sequence speed of your ringer melody.


In menu “call signalling”

Keysequence:   2 2


```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END ▲▼
::
```

-  Press key 2. You are now in menu “ringer signalling”.


```
SUBSCRIBER CONFIG.
RINGER SIGNALLING
0:END 1:MSN1 2:MSN2 ▲▼
::
```

- eg  Select MSN, which shall be programmed with ringer signalling, with Number key.


```
SUBSCRIBER CONFIG.
RINGER SIGNALLING
MSN1: ■■■□□□□□
::
```

-  Adjust speed of the tone sequence (ten steps possible) with Plus or Minus keys. The EURACOM P4 is ringing during this set up procedure.

```
SUBSCRIBER CONFIG.
RINGER SIGNALLING
MSN1: ■■■■■□□□□
::
```

-  Complete entry with Programming key. You have then programmed the ringer signalling for one MSN. Afterwards it is possible to program ringer signalling for further MSNs.

```
SUBSCRIBER CONFIG.
RINGER SIGNALLING
0:END 1:MSN1 2:MSN2 ▲▼
::
```

-  With 0 to preceding menu.

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END ▲▼
::
```

## Set up ringer melody

In this section you will be able to set up different ringer melodies.

In menu "call signalling"

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END ▲▼
:
:
```

- 3 Press key 3. You are now in menu "ringer melody".

```
SUBSCRIBER CONFIG.
RINGER MELODY
0:END 1:MSN1 2:MSN2 ▲▼
:
:
```

- eg 1 Select MSN, which shall be programmed with ringer melody, with Number key.

```
SUBSCRIBER CONFIG.
RINGER MELODY
MSN1: ■■■■□□□□
:
:
```

- ▲/▼ Select ringer melody with Plus or Minus keys. The EURACOM P4 is ringing during this set up procedure.

```
SUBSCRIBER CONFIG.
RINGER MELODY
MSN1: ■■■■□□□□
:
:
```

- ↔ Complete entry with Programming key. You have then programmed the ringer melody for one MSN. Afterwards it is possible to program ringer melodies for further MSN's.

```
SUBSCRIBER CONFIG.
RINGER MELODY
0:END 1:MSN1 2:MSN2 ▲▼
:
:
```

- 0 With 0 to preceding menu.

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END ▲▼
:
:
```

**Store phone number with a name**

It is possible to enter a name additionally for each of the programmed telephone numbers. This name will be displayed, if you are called from these numbers.

In menu "call signalling

Keysequence: 2 2

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END
: :
```

**4** Press key 4. You are now in menu "name setting".

```
SUBSCRIBER CONFIG.
NAME SETTING
0:END 1:MSN1 2:MSN2
: :
```

eg Select MSN, which will be assigned to the name, with Number key. Enter name assigned to telephone number via Number keys. With the Plus key to next characters. Delete left characters with Minus key.

```
SUBSCRIBER CONFIG.
NAME SETTING
FOR: JANE
: :
```

Complete entry with Programming key. You have then assigned a name to the phone number.

```
SUBSCRIBER CONFIG.
NAME SETTING
0:END 1:MSN1 2:MSN2
: :
```

**0** With 0 to preceding menu.

```
SUBSCRIBER CONFIG.
CALL SIGNALLING
0:END
: :
```

## Switching (on/ off) of telephone number display

With your EURACOM P4 it is possible to let your own phone number be transferred to your conversation partner during connection set up (number display outgoing). This will then be shown in the display of your partner's ISDN telephone.

It is also possible, to let your telephone number be transferred, when having been called (number display incoming).

In delivery state your EURACOM P4 is programmed in such a way, that the phone number will be shown in both cases. You have to make all corresponding adjustments in the menu "subscriber configuration". And this is how you get to the menu "subscriber configuration".



EURACOM P4 in Idle mode.  
Press Programming key twice.

```
PROGRAMMING
0:END
1:MAIN SETTINGS
```

2 Press key 2. You are now in menu "subscriber configuration".

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TY
2:CALL SIGNALLING
```

3 Press key 3. You are now in menu "number display".

```
SUBSCRIBER CONFIG.
NUMBER DISPLAY
0:END 1:INCOMING
```



If necessary, press Plus or Minus key so often, until the desired menu point is shown.

eg 1 Press number of the menu point. This is how you call up the corresponding menu.

```
NUMBER DISPLAY
INCOMING: ON
0:END 1:ON 2:OFF
```

### Note:

You are also able to call up a menu point directly via the respective number, without letting it be shown before in the display by use of the Plus or Minus key.

## Switching (on/off) of telephone number display

### Phone number display- incoming

---

In menu "number display":

Keysequence: → → 2 3

```
SUBSCRIBER CONFIG.
NUMBER DISPLAY
0:END 1:INCOMING ▲▼
: :
```

- 1 Press key 1. You are now able to switch on or off the number display.

```
NUMBER DISPLAY
INCOMING: ON
0:END 1:ON 2: OFF
: :
```

- eg 2 Press key, eg 2, to switch off the number display. With key 0 you get to the preceding menu.

```
SUBSCRIBER CONFIG.
NUMBER DISPLAY
0:END 1:INCOMING ▲▼
: :
```

### Phone number display- outgoing

---

In menu "number display":

Keysequence: → → 2 3

```
SUBSCRIBER CONFIG.
NUMBER DISPLAY
0:END 1:INCOMING ▲▼
: :
```

- 2 Press key 2. You are now able to switch on or off the number display.

```
NUMBER DISPLAY
OUTGOING: ON
0:END 1:ON 2: OFF
: :
```

- eg 2 Press key, eg 2, to switch off the number display. With key 0 you get to the preceding menu.

```
SUBSCRIBER CONFIG.
NUMBER DISPLAY
2:OUTGOING ▲▼
: :
```

## Programming external line number

Some PABX's need a predialling code, as eg the number "0", to make telephone calls into a network. In order to make use of the directory or the call list in an efficient way, you may here define an external line number (AKZ), being automatically predialled to the telephone number in case of dialling out of one of these lists.

- ➔ ➔ EURACOM P4 in Idle mode.  
Press Programming key twice.
- 2 Press key 2. You are now in menu "subscriber configuration".
- 5 Press key 5. You are now in menu "PABX configuration".
- 1 Press key 1, to select the menu point "Input AKZ"
- eg 0 Enter external line number (three-figures, max.), eg 0.
- ➔ Complete entry with Programming key.  
You have thus programmed the external line number. Afterwards you have to assign the external line number to the dial memories.

```
PROGRAMMING
0:END
1:MAIN SETTING
:
:
```

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE
2:CALL SIGNALLING
:
:
```

```
SUBSCRIBER CONFIG.
PABX CONFIG.
0:END 1:INPUT AKZ
:
:
```

```
SUBSCRIBER CONFIG.
INPUT AKZ
:
:
```

```
SUBSCRIBER CONFIG.
INPUT AKZ
0
:
:
```

```
SUBSCRIBER CONFIG.
PABX CONFIG.
0:END 1:INPUT AKZ
:
:
```



## Assign external line number to the dial memories

This is where you may select, to which dial memories the external line number shall be prefixed during dialling.

In menu "PABX configuration":

Keysequence:   2 5

- 2 Press key 2. You are now in menu assign external line number.
- eg 2 Press Number key for the desired dial memory, eg Dedicated key.
- eg 1 Switch on or off the assignment with Number key 1 or 2.
- 0 With 0 to the preceding menu. You have thus assigned the external line number to a dial memory (in this case Dedicated keys).

```
SUBSCRIBER CONFIG.
PABX CONFIG.
0:END 1:INPUT AKZ ▲▼
::
```

```
SUBSCRIBER CONFIG.
ASSIGN AKZ
0:END 1:DIRECTORY ▲▼
::
```

```
ASSIGN AKZ
NAME KEY: OFF
0:END 1:ON 2:OFF ▲▼
::
```

```
ASSIGN AKZ
NAME KEY: ON
0:END 1:ON 2:OFF ▲▼
::
```

```
PABX CONFIG.
ASSIGN AKZ
0:END 1:DIRECTORY ▲▼
::
```

**Note:**

If a Dedicated key is occupied with a function, no external line number will be predialled.  
In restricted mode no external line number will be predialled.

## Switching call waiting on/off

You receive another call while making a phone call. This call is indicated by a special waiting tone. If you do not want to be disturbed in general by further calls, you are able to prevent call waiting.

➔ ➔ EURACOM P4 in Idle mode.  
Press Programming key **twice**.

```
PROGRAMMING
0:END
1:MAIN SETTINGS
:|
```

2 Press key 2. You are now in menu  
"subscriber configuration".

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYP
2:CALL SIGNALLING
:|
```

6 Press key 6. You are now in menu "call  
waiting".

```
SUBSCRIBER CONFIG.
CALL WAITING
0:END 1:ON 2:OFF
:|
```

eg 1 Press key 1 or 2, to switch on or off call  
waiting.

0 With 0 to the preceding menu. You have  
thus switched on or off call waiting.

```
SUBSCRIBER CONFIG.
5:PABX CONFIG.
6:CALL WAITING
:|
```

### Note:

It is also possible to switch off call waiting with the Call key only during the time of the conversation.

## Programming of telephone numbers

You are able to program different types of telephone numbers with your EURACOM P4. You can program locked, unlocked and direct call numbers. Locked numbers are telephone numbers, which can not be dialled (eg 0190...). Unlocked numbers are telephone numbers, which you can dial despite a possible dial lock. Direct call numbers are telephone numbers, being dialled immediately after lifting the receiver (or pressing the speaker key) and pressing any key. It is possible to program nine locked and unlocked numbers and one direct call number. You have to program these special phone numbers in menu "locking". And this is how you get to the menu "locking":

  EURACOM P4 in Idle mode.  
Press Programming key **twice**.



```
PROGRAMMING
0:END
1:MAIN SETTINGS
 :
```

**2** Press key 2. You are now in menu "subscriber configuration".

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE
2:CALL SIGNALLING
 :
```

**7** Press key 7. You are now in menu "locking".

```
SUBSCRIBER CONFIG.
LOCKING
0:END 1:DIRECT CALL
 :
```

  It is now possible to select all menu points of the menu "locking" with the Plus or Minus key.

```
SUBSCRIBER CONFIG.
LOCKING
3:LOCKED NUMBERS
 :
```

eg **3** Press number of the menu point. This is how you call up the corresponding menu.

```
SUBSCRIBER CONFIG.
LOCKED NUMBERS
0:END 1:LOCK#1
 :
```

### Note:

You are also able to call up a menu point directly via the respective number, without letting it be shown before in the display by use of the Plus or Minus key.

Programming of locked numbers

In menu "locking":

Keysequence:

```
SUBSCRIBER CONFIG.
LOCKING
0:END 1:DIRECT CALL ▲▼
::
```

Press key 3. You are now in menu "locked numbers".

```
SUBSCRIBER CONFIG.
LOCKED NUMBERS
0:END 1:LOCK#1 ▲▼
::
```

eg Press Number key for the desired locked number.

```
LOCKING
LOCKED NUMBER 3
::
```

Enter telephone number. Correct entry: delete left characters with Minus key.

```
LOCKING
LOCKED NUMBER 3
0190123456789
::
```

Complete entry with Programming key. You have thus programmed the locked number.

```
SUBSCRIBER CONFIG.
LOCKED NUMBERS
0:END 1:LOCK#1 ▲▼
::
```

Programming of unlocked numbers

In menu "locking":

Keysequence:

```
SUBSCRIBER CONFIG.
LOCKING
0:END 1:DIRECT CALL ▲▼
::
```

Press key 4. You are now in menu "unlocked numbers".

```
SUBSCRIBER CONFIG.
UNLOCKED NUMBERS
0:END 1:UNLOCK1 ▲▼
::
```

eg Press Number key for the desired unlocked number.

```
LOCKING
UNLOCKED NUMBER 3
::
```

Enter telephone number. Correct entry: delete left characters with Minus key.

```
LOCKING
UNLOCKED NUMBER 3
071123456789
::
```

Complete entry with Programming key. You have thus programmed the unlocked number.

```
SUBSCRIBER CONFIG.
UNLOCKED NUMBERS
0:END 1:UNLOCK1 ▲▼
::
```

**Note:**

The emergency numbers 110 and 112 are presetted as unlocked number 8 and 9. Unlocked numbers are first active with activated dial lock.

## Programming of direct call numbers

In menu "locking":

Keysequence: → → 2 7

```
SUBSCRIBER CONFIG.
LOCKING
0:END 1:DIRECT CALL ▲▼
: :
```

- 5 Press key 5. You are now in menu "direct call numbers".

```
LOCKING
DIRECT CALL NUMBER
: :
```



Enter the direct call number. Correct entry: delete left characters with Minus key.

```
LOCKING
DIRECT CALL NUMBER
06838123456789
: :
```



Complete entry with Programming key. You have thus programmed the direct call number.

```
SUBSCRIBER CONFIG.
LOCKING
0:END 1:DIRECT CALL ▲▼
: :
```

## Switch on / off direct call

In menu "locking":

Keysequence: → → 2 7

```
SUBSCRIBER CONFIG.
LOCKING
0:END 1:DIRECT CALL ▲▼
: :
```

- 1 Press key 1. You get to the menu "direct call".

```
LOCKING
DIRECT CALL: OFF
0:END 1:ON 2:OFF ▲▼
: :
```

eg 1 You are able to switch on or off the direct call by pressing Number key 1 or 2.

```
LOCKING
DIREKTRUF: AUS
0:ENDE 1:EIN 2:AUS
: :
```

- 0 With 0 to the preceding menu.

```
SUBSCRIBER CONFIG.
LOCKING
0:END 1:DIRECT CALL ▲▼
: : #
```

### Note:

A direct call, switched on, will be indicated by the corresponding display symbol. It is only possible, to switch on the direct call with programmed direct call number. You may also program a Dedicated key with the function direct call

## Switch on/off dial lock

In menu "locking":

Keysequence: → → 2 7

```
SUBSCRIBER CONFIG.
LOCKING
0:END 1:DIRECT CALL ▲▼
 ::
```

- 2 Press key 2. You get to the menu "dial locking".

```
LOCKING
DIAL LOCKING: OFF
0:END 1:ON 2:OFF
 ::
```


- eg 1 You are able to switch on or off the dial lock by pressing Number key 1 or 2.

```
LOCKING
DIAL LOCKING: ON
0:END 1:ON 2:OFF
 ::
```

- 0 With 0 to the preceding menu.


```
SUBSCRIBER CONFIG.
LOCKING
0:END 1:DIRECT CALL ▲▼
 ::
```

**Note:**


The unlocked numbers can also be dialled with activated dial lock. The locked numbers can also not be dialled with the dial lock, switched off. If you have programmed a PIN, you can reactivate the EURACOM P4 for one conversation despite activated dial lock by entering this PIN. The dial lock will be shown in the display by the symbol .

## Programming of own area code


In order to let the name (from the directory) during incoming calls with transferred telephone number always be shown in a correct way. The own area code must be programmed in order that the directory name is shown always in a correct way during calls with transferred telephone number.

  EURACOM P4 in Idle mode.  
Press Programming key **twice**.


```
PROGRAMMING
0:END
1:MAIN SETTINGS
::
```

 Press key 2. You are now in menu “subscriber configuration”.


```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE
2:CALL SIGNALLING
::
```

 Press key 8. You are now in menu “area code”.

```
SUBSCRIBER CONFIG.
AREA CODE
::
```

 Enter your area code via Number keys.  
Correct input: delete left characters with Minus key.

```
SUBSCRIBER CONFIG.
AREA CODE
071
::
```

 Complete entry with Programming key.  
You have thus programmed the area code.

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE
2:CALL SIGNALLING
::
```

## Programming of carrier prefix

You may program a carrier prefix with up to six figures, being inserted, if activated, in front of each dialled phone number. By programming a Dedicated key with **\*\*20**, you are able to switch off this automatic insertion facility at times.



EURACOM P4 in Idle mode.  
Press Programming key **twice**.

```
PROGRAMMING
0:END
1:MAIN SETTINGS
::
```

2 Press key 2. You are now in menu "subscriber configuration".

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR. TYPE
2:CALL SIGNALLING
::
```

9 Press key 9. You are now in menu "carrier code"

```
SUBSCRIBER CONFIG.
CARRIER CODE: OFF
0:END 1:ON 2:OFF
::
```

eg 1 By pressing Number key 1 or 2, you can switch on or off the carrier code.

```
SUBSCRIBER CONFIG.
CARRIER CODE: ON
0:END 1:ON 2:OFF
::
```

### Set up of carrier prefix

3 Press key 3. You get to the menu „carrier code“.

```
SUBSCRIBER CONFIG.
CARRIER CODE
::
```



Enter your carrier code via Number keys.  
Correct input: delete left characters with Minus key.

```
SUBSCRIBER CONFIG.
CARRIER CODE
010999
::
```



Complete entry with Programming key.  
You have programmed thus programmed the carrier code.

```
SUBSCRIBER CONFIG.
CARRIER CODE: ON
0:END 1:ON 2:OFF
::
```



## Programming of message text

It is possible to transmit short messages (so-called UUS messages) with your EU-RACOM P4 during every connection set up.

- ➔ ➔ EURACOM P4 in Idle mode.  
Press Programming key **twice**.

```
PROGRAMMING
0:END
1:MAIN SETTINGS
::
```

- 2 Press key 2. You are now in menu  
"subscriber configuration".

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR: TYPE
2:CALL SIGNALLING
::
```

- 4 Press key 4. You now get to the menu  
"UUS message"

```
SUBSCRIBER CONFIG.
UUS MESSAGE: OFF
0:END 1:ON 2:OFF
::
```

- eg 1 By pressing Number key 1 or 2, you can  
switch on or off the UUS message.

```
SUBSCRIBER CONFIG.
UUS MESSAGE: ON
0:END 1:ON 2:OFF
::
```

## Enter UUS message

- 3 Press key 3. You get to the menu  
"input text"

```
UUS MESSAGE TEXT INPUT
::
```

- Enter your message text (32 characters,  
max.) via Number keys.  
Correct input: delete left characters with  
Minus key.

```
UUS MESSAGE TEXT INPUT
NOW OPEN UNTIL 8PM
::
```

- ➔ Complete entry with Programming key.  
You have thus programmed the message  
text.

```
SUBSCRIBER CONFIG.
UUS MESSAGE: ON
0:END 1:ON 2:OFF
::
```

### Note:

A message text may contain up to 32 characters (including blanks). If the status is activated, the message will be transmitted automatically with every connection set up.

## 6. Your telephone set switched to EURACOM PABX

---

|                                                           |            |
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Your EURACOM PABX already makes additional displays and features available in normal mode. The occupation status of the existing ISDN ports and the busy condition of a maximum of eight subscribers will be indicated. You are able to configure these displays as you please (->page 111 "subscriber monitor").

It is possible to connect a PC to your EURACOM P4 and configure your EURACOM PABX in that way eg.

**In order to make use of the features of a EURACOM PABX, you first have to make a telephone call. This is how the EURACOM P4 realises it is connected to a EURACOM PABX.**

But it is also possible to use your EURACOM P4 in system mode (-> page 113, "programming of EURACOM system mode"). The EURACOM P4 will then be controlled by the EURACOM PABX and puts additional features at your disposal. Your EURACOM P4 is therefore capable of receiving announcements independently from every connected terminal equipment. In manager office mode two EURACOM P4 (perhaps also several) create a unit with special features. It is also possible, to program the EURACOM PABX menu guided or look at specific set ups. In this system mode the EURACOM P4 answers only one telephone number, some keys will be used in a different way, some in several modes and the display information is increased.

The number of additional features and extensions are dependend on the software release (starting with release 3) of the EURACOM PABX 141, 180, 181, 182, 260, 261, 262.

During operation of your EURACOM P4 in system mode some display messages will be shown in a slightly different way than before. Some of the features are also presented in a changed condition or not at all. The following overview explains the differences.

| Feature                                                 | Difference                                                                   |
|---------------------------------------------------------|------------------------------------------------------------------------------|
| 6 MSNs                                                  | In system mode only one MSN is used                                          |
| Name assignment                                         | Not applicable, as only one MSN is used                                      |
| Call parking                                            | Not applicable, as the corresponding key is used for intercom                |
| Carrier preselection with direct dialling unconditional | Not applicable, as the PABX offers a more powerful least cost routing (LCR)  |
| Call forwarding                                         | Programming is related to the call forwarding mode of the PABX.              |
| CTI program                                             | The EURACOM P4 is not allowed to be registered as CTI telephone in PABX mode |

## Meaning of display messages

If your EURACOM P4 is connected to a EURACOM PABX, the third line of your display will be used as busy monitor. Up to eight subscribers of the PABX will be displayed with their two-figures internal telephone number. If a telephone number is shown, this has to be interpreted, that the corresponding subscriber has lifted the receiver and perhaps can not be reached.

The symbol line provides you with up to three additional indications for the status of S<sub>0</sub> busses. These symbols may be assigned to the ISDN ports of a single EURACOM PABX as you please.

## Forwarding a subscriber from hold



You are having a conversation with 0304711265 for forwarding on a another internal subscriber and a another subscriber (08152233445) is in hold condition.

```
27.10.98 16:01
030471165
 : : :
 : : :
```

### Forwarding without announcement

- Press Call completion key, you are asked to enter the subscriber with internal destination (in this case subscriber 13) for transfer.

```
27.10.98 16:01
TRANSFER TO: 13
 : : :
 : : :
```

- Press Hold key, the caller 0304711265 will be forwarded to the subscriber und you return to your original conversation partner 08152233445.

```
27.10.98 16:01
08152233445
 13
 : : :
 : : :
```

### Forwarding with announcement

- Press Call completion key twice, you are asked to enter the subscriber with internal destination (in this case subscriber 13) for the switching system.

```
27.10.98 16:01
INTERCOM WITH: 13
 : : :
 : : :
```

- Press Hold key, you are now able to make a voice announcement of the caller (0304711265) to the destination subscriber (13).

```
27.10.98 16:01
13
 : : :
 : : :
```

After the announcement,

- Press Hold key, the caller 0304711265 will be forwarded to the subscriber (13) and you return to your original conversation partner 08152233445.

```
27.10.98 16:01
08152233445
 13
 : : :
 : : :
```

### IMPORTANT NOTE!

- It is only possible to make use of this feature, if your EURACOM P4 is in EURACOM system mode.
- If the subscriber, being the destination, is engaged, you move immediately to your preceding connection.
- If the call is not being accepted, the call will be signalled again for you.

## Making telephone calls in a group (manager/office)

In order to make use of the manager office function, specific conditions have to be arranged

(-> page 114 "programming of manager/office mode"). In the following examples it is assumed, that the used EURACOM *P4* is configured as subscriber 23 connected to the 2. S<sub>0</sub> bus of a EURACOM 182 and is used as an office telephone. For the manager key manager 1 (subscriber 32 on 3. S<sub>0</sub> bus) has been selected.

### Call manager



EURACOM *P4* in Idle mode.  
Lift receiver. Sound of dial tone.

|             |       |
|-------------|-------|
| 27.10.98    | 16:01 |
| PLEASE DIAL |       |
| □ □ □ □ □ □ |       |



Press Dedicated key, programmed with manager function. Manager 1 will be called.

|                   |       |
|-------------------|-------|
| 27.10.98          | 16:01 |
| CALLING MANAGER 1 |       |
|                   | 32    |
| □ □ □ □ □ □       |       |

#### Note:

If you only press the Dedicated key, you have entered the hands-free mode after successful connection.

## Call back to manager

---



You are having a conversation.

|             |       |
|-------------|-------|
| 27.02.99    | 16:49 |
| 08124455123 |       |
| : : : :     |       |



Press Dedicated key, programmed with manager function. Manager 1 will be called.

|                    |       |
|--------------------|-------|
| 27.02.99           | 16:49 |
| CALL BACK MANAGER1 |       |
| : : : :            |       |



Broker's call.




Press Termination key, to end the broker's call and to continue the original conversation.

|             |       |
|-------------|-------|
| 27.02.99    | 16:50 |
| 08124455123 |       |
| : : : :     |       |

---

### IMPORTANT NOTE!

---

- If the manager hangs up, you automatically return to your preceding conversation.
- With  you return again to your original conversation partner, without terminating the connection to the manager.

## Making telephone calls in a group (manager/office)

### Forwarding to manager

---



You are having a conversation.

|          |       |
|----------|-------|
| 27.10.98 | 16:01 |
| 11       |       |
| 11       |       |
| : : : :  |       |



Press Dedicated key, programmed with manager function. Manager 1 will be called.

|                     |       |
|---------------------|-------|
| 27.10.98            | 16:01 |
| CALL BACK MANAGER 1 |       |
| 11                  | 32    |
| : : : :             |       |



Call Back conversation. You may now announce your manager the caller. After you have hung up, your manager is connected to the caller.

|                     |       |
|---------------------|-------|
| 27.10.98            | 16:01 |
| CALL BACK MANAGER 1 |       |
| 11                  | 32    |
| : : : :             |       |



Replace the receiver on hook. Your manager is now speaking to the caller.

|                  |       |
|------------------|-------|
| 27.10.98         | 16:01 |
| CALLER CONNECTED |       |
| 11               | 32    |
| : : : :          |       |

---

### IMPORTANT NOTE!

---

- If the manager is engaged, you are able to return to your preceding call with the Hold key.
- If you press the Termination key before you have established the call back connection to the manager, you return to the subscriber, who should have been connected.

## Forwarding to manager from hold

---



You are having a conversation with 0304711265. Another subscriber is in hold condition (12).

```
27.10.98 16:01
0304711265
12
 [] [] []
```



Press Dedicated key, programmed with manager function. Manager 1 will be called.

```
27.10.98 16:01
CALL BACK MANAGER 1
12 32
 [] [] []
```



Call Back conversation. You may now announce the caller to your manager.

```
27.10.98 16:01
CALL BACK MANAGER 1
12 32
 [] [] []
```



Press Hold key, the caller 0304711265 will be forwarded to the manager und you return to your original conversation partner 12.

```
27.10.98 16:01
12
12 32
 [] [] []
```

---

### IMPORTANT NOTE!

- If the manager is engaged, you are able to return to the caller, asking for connection, by pressing the Hold key.
- If you press the Termination key before you have the call back connection to the manager, you return again to the subscriber, who should have been connected.



## Making telephone calls in a group (manager/office)

### Accepting calls for manager

Calls for the manager are also signalled at the same time at the office telephone. Both are able to accept the call. Specially, if the manager telephone is switched to “silent signalling”, thus no call will be lost.

EURACOM P4 in Idle mode.  
Incoming call for the manager will be signalled by speaker and flashing call LED.

|                  |       |
|------------------|-------|
| 27.10.98         | 16:01 |
| 08152233445      |       |
| CALL FOR MANAGER |       |
| □ □ □ □          |       |



Lift receiver.

|             |       |
|-------------|-------|
| 27.10.98    | 16:01 |
| 08152233445 |       |
| □ □ □ □     |       |

### IMPORTANT NOTE!

- If you are currently having a phone call, the call for the manager will be indicated by call waiting and call LED. You accept the call by pressing the Hold key.
- Accepting of the call by the office will be signalled to the manager by a display message.

### Intercom

With a programmed manager / office key, the first level of the Dedicated key is set to direct key function for the programmed partner. The second level operates as intercom key to the programmed partner.



EURACOM P4 in Idle mode.  
Lift receiver. Sound of dial tone.

|             |       |
|-------------|-------|
| 27.10.98    | 16:01 |
| PLEASE DIAL |       |
| □ □ □ □     |       |



Press Dedicated key, programmed with manager function, twice. Two seconds after first pressing the manager key, the manager will be called.

|                    |       |
|--------------------|-------|
| 27.10.98           | 16:01 |
| INTERCOM MANAGER 1 | 32    |
| □ □ □ □            |       |



Conversation with manager.

|                    |       |
|--------------------|-------|
| 27.10.98           | 16:01 |
| INTERCOM MANAGER 1 | 32    |
| □ □ □ □            |       |

#### Note:

By lifting the receiver, the manager changes from intercom to normal conversation mode.

## Using announcements and intercom

With a EURACOM P4, connected to a EURACOM PABX you are able to make announcements from every connected telephone. These announcements will be signalled at every connected system telephone automatically to the corresponding subscribers. The announcements can only be received from the EURACOM P4 in Idle mode.

### Receiving announcements and intercom

---

EURACOM P4 in Idle mode.

An incoming announcement / intercom is being signalled visually and acoustically. Afterwards the announcement is switched to the speaker.

```
27.10.98 16:01
CALL WITH XX
 : : :
```

During intercom additionally the microphone for hands-free operation is switched on.

```
27.10.98 16:01
CALL WITH XX
 : : :
```

After the end of the announcement the EURACOM P4 returns again to its original state.

```
27.10.98 16:01
 : : :
```

---

### IMPORTANT NOTE!

---

- While in programming mode, the announcement will also be introduced. But in this case the display remains in programming state.
- The announcement / intercom is not being transferred to the call list.
- With an announcement / intercom no forwarding connections can be made.
- With the Termination key the announcement / intercom can be concluded for the own telephone.
- Intercom changes to normal conversation mode by lifting the receiver.

## Making announcements



EURACOM P4 in Idle mode.  
Lift receiver. Sound of dial tone.

```
27.10.98 16:01
PLEASE DIAL
: : : :
```



Press intercom key.

```
27.10.98 16:01
INTERCOM TO:
: : : :
```



Entry of the intercom function  
00: global announcement  
10 to 99: intercom with subscriber

```
27.10.98 16:01
INTERCOM TO: 00
: : : :
```

After positive acknowledgement tone of the EURACOM PABX, it is possible to operate the announcement / intercom.

```
27.10.98 16:01
INTERCOM ACTIV
: : : :
```



Place receiver on hook and terminate announcement / intercom.

```
27.10.98 16:01
: : : :
```

### Note:

If the announcement can not be operated, because no further system telephone can be addressed or the chosen intercom partner is not in system telephone mode, the unsuccessful attempt will be indicated by display message and a negative acknowledgement tone of the EURACOM PABX.

## Supervising of a room

With your EURACOM *P4* with installed answering machine it is possible to supervise a room by remote access. But if you do not have installed an answering machine, in system mode you may use the function room surveillance of the EURACOM PABX. The connection to the EURACOM *P4* is first activated with a call and at the same time the microphone of the EURACOM *P4* is switched on.

You therefore have to switch your EURACOM PABX into the room surveillance mode for the EURACOM *P4* to operate. For further advice, see the user manual of your EURACOM PABX.

As soon as the EURACOM *P4* is called, a request for entry of the subscriber PIN is sent by the PABX. The microphone of the EURACOM *P4* is first switched on after correct entry of this PIN.

## Programming of EURACOM monitoring

In the display of your EURACOM *P4* all existing ISDN ports are shown ( $S_0$  bus state). You are therefore always kept informed about the status of these ports. You will see eg, if a  $S_0$  bus is available or occupied.

Furthermore you may assign telephone numbers to the existing eight subscriber display messages (subscriber monitoring).

All adjustments, described in this chapter, may be performed in the menu “EURACOM monitoring”.

And this is how you get to the menu “EURACOM monitoring”:



EURACOM *P4* in Idle mode.  
Press Programming key **twice**.

```
PROGRAMMING
0:END ▲
1:MAIN SETTINGS ▼
: : : : : : :
: : : : : : :
```



If necessary, press the Plus or Minus key so often, until the menu “EURACOM MONITORING” appears.

```
PROGRAMMING
4:EURACOM MONITORING ▲
5:EURACOM SYSTEM MODE ▼
: : : : : : :
: : : : : : :
```

4

Press key 4. You are now in menu “EURACOM monitoring”.

```
EURACOM MONITORING
0:END ▲
1:S0-BUS STATE ▼
: : : : : : :
: : : : : : :
```



You are now able to select all menu points of the menu “EURACOM monitoring” with the Plus and Minus key.

**Assigning ISDN ports**

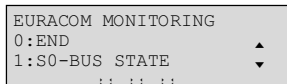
It is possible to assign the existing S<sub>0</sub> bus symbols according to your own ideas to the maximum of four possible ISDN ports of your PABX in a completely free way. You may also switch a symbol inactive, with the consequence, that no ISDN port will be shown at this place. It will not be checked, if this ISDN port is really existing in the PABX.

**Delivery condition:**

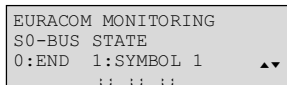
- symbol 1: ISDN port 2
- symbol 2: ISDN port 1
- symbol 3: ISDN port 3
- symbol 4: ISDN port 4

In menu "EURACOM monitoring".

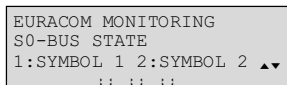
Keysequence: 4



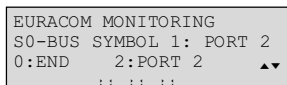
1 Press key 1. You are now in menu "S<sub>0</sub> bus state".



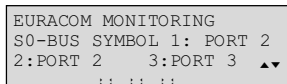
Scroll with Plus and Minus key, until the desired symbol appears. The symbols count from left to right. Symbol 1 therefore is the left, slightly separated positioned symbol.



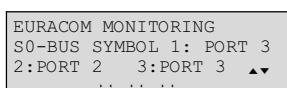
eg 1 Select desired symbol with corresponding Number key (here 1, for symbol 1). The current occupation of the symbol will be displayed.



Scroll with Plus and Minus key, until the desired ISDN port appears.



eg 2 Press corresponding Number key afterwards. You have thus assigned a new ISDN port to the symbol.



## Subscriber monitor

You can furthermore assign telephone numbers to the existing eight subscriber display messages (subscriber monitoring). You can also delete a telephone number with the consequence, that no internal subscriber will be shown at this place. There is no check, if internal subscribers are really existing in the PABX.

### Delivery condition:

Subscriber 1: phone number 11

Subscriber 2: phone number 12

Subscriber 3: phone number 13

Subscriber 4: phone number 14

Subscriber 5: phone number 21

Subscriber 6: phone number 22

Subscriber 7: phone number 31

Subscriber 8: phone number 32

In menu "EURACOM monitoring".

Keysequence: 4

```
EURACOM MONITORING
0:END
1:SO-BUS STATE
: : : : :
```

- Select menu point "subscriber monitor" with Plus and Minus key.

```
EURACOM MONITORING
2:SUBSCRIBER MONITOR
0:END
: : : : :
```

- 2 Press key 2. You are now in menu "subscriber monitor".

```
EURACOM MONITORING
SUBSCRIBER MONITOR
0:END 1:SUBS 1
: : : : :
```

- Scroll with Plus and Minus key, until the desired subscriber appears. The subscriber display messages count from left to right. Subscriber 1 therefore is shown on the left - subscriber 8 on the right display side.

```
EURACOM MONITORING
SUBSCRIBER MONITOR
2:SUBS 2 3:SUBS 3
: : : : :
```

- eg 5 Select desired subscriber with corresponding Number key (here 5, for subscriber 5). The relevant phone number of the subscriber will be displayed.

```
EURACOM MONITORING
SUBSCRIBER 5
21
: : : : :
```

- Enter subscriber phone number via Number key (10 to 99, always two-figures). Delete left character with Minus key.

```
EURACOM MONITORING
SUBSCRIBER 5
33
: : : : :
```









- Complete entry with Programming key. You have thus assigned a phone number

```
EURACOM MONITORING
SUBSCRIBER MONITOR
0:END 1:SUBS 1
: : : : :
```

## Programming of EURACOM system mode

In order to make use of the special features in the system mode, you have to program the EURACOM *P4* for the operation mode EURACOM mode.

### Set up of EURACOM *P4* as system telephone

-   EURACOM *P4* in Idle mode.  
Press Programming key **twice**.
-  Select menu point “subscriber configuration” with Plus and Minus key.
-  Press key 2. You are now in menu “subscriber configuration”.
-  Press key 1. You are now in menu “subscriber type”. The current setting will be displayed.
-  Select menu point “EURACOM mode” with Plus and Minus key.
-  Press key 3. You are now in menu “EURACOM mode”. Then enter the number of the 1. MSN. Delete left characters with Minus key.
-  Complete entry with Programming key and return to the preceding menu. Your EURACOM *P4* is then programmed as system telephone.

```
PROGRAMMING
0:END
1:MAIN SETTINGS
: : : : :
```

```
PROGRAMMING
2:SUBSCRIBER CONFIG.
3:ANSWERING MACHINE
: : : : :
```

```
SUBSCRIBER CONFIG.
0:END 1:SUBSCR: TYPE
2:CALL SIGNALLING
: : : : :
```

```
SUBSCRIBER CONFIG.
TYPE:MULTI SUBSCRIBER
1:MULTI SUBSCRIBER
: : : : :
```

```
SUBSCRIBER CONFIG.
TYPE:MULTI SUBSCRIBER
3:EURACOM MODE
: : : : :
```

```
EURACOM MODE
INPUT NUMBER
0:END 1:MSN
: : : : :
```

```
SUBSCRIBER CONFIG.
TYPE:EURACOM MODE
3:EURACOM MODE
: : : : :
```

### IMPORTANT NOTE!

- The entered phone number is not allowed to be used in EURACOM mode by another EURACOM *P4*, booked in.
- Exiting the programming mode results in registration as a system telephone. The entered MSN 1 will then be checked in the PABX for availability. If the registration is not possible, the EURACOM *P4* changes to multi subscriber mode.

## Programming in EURACOM system mode


The following functions can only be programmed in EURACOM system mode:

- Lock before announcements
- All functions of the manager / office mode
- Programming of EURACOM PABX


And this is how you enter the menu “EURACOM system mode”:


 EURACOM P4 in Idle mode.  
Press Programming key **twice**.

```
PROGRAMMING
0:END
1:MAIN SETTINGS
: : : :
```

 Press Plus or Minus key until the menu “EURACOM system mode” appears.

```
PROGRAMMING
4:EURACOM MONITORING
5:EURACOM SYSTEM MODE
: : : :
```

 Press key 5. You are now in menu “EURACOM system mode”.

 You may now select all menu points of menu “EURACOM system mode” with Plus and Minus key.

```
EURACOM SYSTEM MODE
0:END
1:INTERCOM
: : : :
```



## Switching on / off of announcements and intercom

A system telephone accepts announcements / intercom in any case. Before the global announcement is made, there is the possibility for individual locking.

In menu "EURACOM system mode":

Keysequence: → → 5

```
EURACOM SYSTEM MODE
0:END
1:INTERCOM
: : : : :
```

1 Press key 1. You are now in menu "Intercom".

```
INTERCOM
ANNOUNCEMENT LOCK OFF
0:END 1:ON
: : : : :
```

eg 1 Switch on or off announcement lock with Number key 1 or 2.

```
INTERCOM
ANNOUNCEMENT LOCK ON
0:END 1:ON
: : : : :
```

0 With Number key "0" to the preceding menu.

```
EURACOM SYSTEM MODE
0:END
1:INTERCOM
: : : : :
```

## Programming of manager office mode

The manager / office mode requires two EURACOM P4 in system mode. Configuration is mainly performed by the office telephone. The manager telephone has to select only his Dedicated key.

### Overview of the steps

concerning the office telephone:

- Switch on manager / office mode
- With selection as office telephone decision for desired partner
- Enter phone number of manager
- Selection of Dedicated key for manager function

concerning the manager telephone:

- Selection of Dedicated key for office function

With selection of a Dedicated key as manager / office key, this is reserved in both levels for the manager / office application. Stored dedicated numbers, which might have been prepared remain, but will not be observed. After switching off this mode, these dedicated numbers are available again immediately.

It is also possible to assign telephones to manager / office pairs via the configuration program of the EURACOM PABX. In this case it is sufficient, to switch on the manager / office mode. The EURACOM P4 then works in its already configured operation mode.

### Switching on manager office mode

In menu “EURACOM system mode”:

Keysequence: → → 5

```
EURACOM SYSTEM MODE
0:END
1:INTERCOM
 : : : :
```

- 2 Press key 2. You are now in menu “Manager / Office mode”.

```
MANAG. OFF. MODE
0:END
1:ACTIVATE MODE
 : : : :
```

- 1 Press key 1. You are now in menu “Activate mode”.

```
MANAG. OFF. MODE
ACTIVATE MODE: OFF
0:END 1:ON 2:OFF
 : : : :
```

- eg 1 Switch on or off manager / office mode with Number key 1 or 2.

```
MANAG. OFF. MODE
STATE ON
0:END 2:OFF
 : : : :
```

- 0 With Number key “0” to the preceding menu.

```
MANAG. OFF. MODE
0:END
1:ACTIVATE MODE
 : : : :
```

### Programming office telephone set

As office telephone set you determine your corresponding partners. With entry of the telephone number the corresponding EURACOM P4 will already be prepared as manager telephone.

You are in menu “EURACOM system mode” and have switched on “manager / office mode” as described above.

Keysequence: → → 5 2

```
MANAG. OFF. MODE
0:END
1:ACTIVATE MODE
 : : : :
```

- ▲/▼ Press Plus or Minus key so often, until the menu “office” appears.

```
MANAG. OFF. MODE
2:MANAGER
3:OFFICE
 : : : :
```

- 3 Press Number key 3. You are now in menu “office”. You can now determine your partners more detailed.

```
OFFICE
0:END
1:MANAGER_1 2:MANAGER_2
 : : : :
```

- eg 1 You have selected manager 1. Next determine his phone number and the corresponding dedicated number.

```
MANAGER_1
0:END
1:NUMBER 2:DIRECT DIAL
 : : : :
```



## Programming of manager office mode



After selection of first number input, enter the two-figure internal telephone number of manager.

```
MANAGER_1
NUMBER
_
: : : : :
```



Complete your entry with Programming key. You are now in preceding menu.

```
MANAGER_1
0:END
1:NUMBER 2:DIRECT DIAL
: : : : :
```

2

With selection of the Dedicated key you will be asked to press the Dedicated key, being prepared to call this partner. The number of the Dedicated key will be displayed.

```
OFFICE
MANAGER 1
DIRECT DIAL FOR MANAGER1:
: : : : :
```



Complete entry with Programming key and return to preceding menu.

```
MANAGER_1
0:END
1:NUMBER 2:DIRECT DIAL
: : : : :
```

---

### IMPORTANT NOTE!

---

- Continue with further managers in the same way.
- The maximum numbers of available managers per office is depends on the software release of the PABX.
- Only one office telephone can be assigned to a manager telephone.

## Programming manager telephone set

Concerning the manager telephone you only determine the Dedicated key for the office. Resulting from the set up of the office telephone, your EURACOM P4 was already activated for the manager / office mode.

In menu "Manager / office mode":

Keysequence: → → 5 2

```
MANAG. OFF. MODE
0:END
1:ACTIVATE MODE
: : : :
```

- 2 To determine the Dedicated key, select manager mode with 2.

```
DIRECT DIAL
MANAGER
1:DIRECT DIAL
: : : :
```

- 1 Press key 1. You will be asked, to press the Dedicated key with to call the office. The number of the Dedicated key will be displayed.

```
DIRECT DIAL
MANAGER
DIRECT DIAL FOR OFFICE? _
: : : :
```

- Complete entry with Programming key and return to the preceding menu.

```
MANAG. OFF. MODE
0:END
1:ACTIVATE MODE
: : : :
```

### Note:

The maximum of numbers of available manager / office pairs and therefore the maximum of numbers of available office telephones is depends upon the software release.

## Programming of EURACOM PABX

You are able to program the EURACOM PABX menu guided via your EURACOM P4. These features are only related to PABX functions.

As far as you change the configuration of your own subscriber number affects the settings of your EURACOM P4, these data will be adjusted. It should be noted that certain PABX functions are named in a similar way to those of the direct call of the EURACOM P4 telephone, but are executed in a different manner.

One example for this is automatic dialling (hotline), having a similar function as the direct call of the EURACOM P4. With automatic dialling the key stroke causes an abortion of this condition and the start of “normal dialling”. With direct call this however will be activated with key stroke. In this case it would be possible to use both features and to configure them accordingly.

Which functions of the PABX will be able to be programmed, is dependent on the software release of the PABX and the programming authorization level.

In menu “EURACOM system mode”:

Keysequence: 5

```
EURACOM SYSTEM MODE
0:END
1:INTERCOM
: : : :
```



Press Plus or Minus key until the menu “Program PABX” appears.

```
EURACOM SYSTEM MODE
2:MANAG. OFF. MODE
3:PROGRAM PABX
: : : :
```

3

Press Number key 3. You are now in menu “Program PABX”.

```
PROGRAM PABX
0:END
1:SUBSCRIBER OWN
: : : :
```



Scroll to the further menu points with Plus or Minus key. Select corresponding menu point with Number key.

```
PROGRAM PABX
1:SUBSCRIBER OWN
2:SUBSCRIBER OTHER
: :
```

```
PROGRAM PABX
2:SUBSCRIBER OTHER
3:PABX 4:SERVICE
: : : :
```

## 7. Answering machine

---

|                                             |            |
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The EURACOM *P4* is prepared for upgrading with an answering machine module. The EURACOM *P4* recognizes the upgrade module automatically and then puts at your disposal the corresponding functions for use and programming.

## Installation of answering machine

### Installation

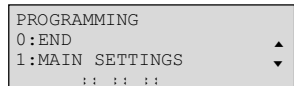
- ▶ Prior to installation unplug the EURACOM *P4* from ISDN socket. As a consequence current date and time will be lost!
- ▶ Before starting with installation, you have to discharge yourself by touching an appropriate, grounded metallic part (eg water pipe, radiator pipe), to prevent possible electrostatic charge.
- ▶ Remove cover on base of telephone.
- ▶ Plug in module and close cover again.
- ▶ Afterwards connect plug again to ISDN socket and perform the settings of the answering machine. With the first call you make, date and time will be taken from network again, if your network provider is transmitting them.

The EURACOM *P4* recognizes a connected answering machine module automatically. The menu structure of the menu, being called up by the Message key as also the programming menu for set up are changed.

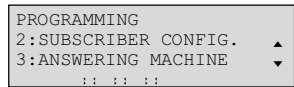
All functions of the answering machine module can be programmed in menu “answering machine” of the EURACOM *P4*. And this is how you get to the menu “answering machine”:



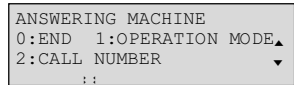
EURACOM *P4* in Idle mode.  
Press Programming key **twice**.



Press Plus or Minus key until the menu “Answering machine” appears.



Press key 3. You are now in menu “Answering machine”.



You may now scroll to all menu points of menu “Answering machine” with Plus and Minus key.

## Programming of operation mode

Where your answering machine is required to make only an announcement or record messages, the following is the programming procedure:

In menu "Answering machine":

Keysequence:

```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBER ▼
: :
```

Press key 1. You are now in menu "Operation mode".

```
ANSWERING MACHINE
OPERATION MODE
0:END 1:ANNOUNCEMENT ▲▼
: :
```

Scroll to the corresponding menu points with Plus or Minus key. Selection of the menu point by number input.

```
ANSWERING MACHINE
OPERATION MODE ▲
0:END 1:ANNOUNCEMENT ▼
: :
```

## Announcement mode

Press key 1. You are now in menu "Announcement". Select an announcement with the corresponding Number key. With Number key 3 you adjust your answering machine to "only announcement mode"

```
ANSWERING MACHINE
ANNOUNCEMENT: ANNOUNC.1
0:END 1:ANNOUNC.1
: :
```

## Recording mode

In menu "Operation mode":

Keysequence:

```
ANSWERING MACHINE
OPERATION MODE
0:END 1:ANNOUNCEMENT ▼
: :
```

Press Plus or Minus key until the menu "Recording" appears.

```
ANSWERING MACHINE
OPERATION MODE
2:RECORDING ▲▼
: :
```

Press key 2. You are now in menu "Recording". Select a recording mode with the corresponding Number key. Scroll to the corresponding menu points with Plus or Minus key. Selection of the menu point by number input.

```
ANSWERING MACHINE
RECORDING: HIGH QUAL
0:END 1:STANDARD ▲▼
: :
```

### IMPORTANT NOTE!

In "Auto mode" it will first be recorded with normal compression. If the recording capacity has been reduced, then will be recorded with the highcompression.



## Installation of answering machine

### Programming the call number

- In menu "Answering machine":  
Keysequence: 3
- 2 Press key 2. You are now in menu "call number".
- Set the call number between 1 and 9 with Plus or Minus key. The call number indicates, after how many ringing signals the answering machine accepts the call.
- Complete entry with Programming key.
- ```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBER ▼
: :
```
- ```
OPERATION MODE
CALL NUMBER
■■■■□□□□
: :
```
- ```
OPERATION MODE
CALL NUMBER
■■■■■□□□
: :
```
- ```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBER ▼
: :
```

### Number assignment

In this mode it is possible, to program the answering machine to:

- accept all calls only for the EURACOM P4
- accept only calls for one or several selected MSN
- have an own MSN and being addressed only via this number.

All these settings can be done in the menu "Number assignment". And this is how you get to the menu "Number assignment":

- In menu "Answering machine":  
Keysequence: 3
- Press Plus or Minus key, until the menu "Number assignment" appears.
- 3 Press key 3. You are now in menu "Number assignment".
- It is now possible to scroll to all menu points of the menu "Number assignment" with the Plus and Minus key.
- ```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBER ▼
: :
```
- ```
ANSWERING MACHINE
3:NUMBER ASSIGNMENT ▲
4:REMOTE ACCESS PIN ▼
: :
```
- ```
ANSWERING MACHINE
NUMBER ASSIGNMENT
0:END 1:ALL MSN ▲▼
: :
```

Number assignment to all MSN

In menu "Number assignment":

Keysequence: 3 3

```
ANSWERING MACHINE
NUMBER ASSIGNMENT
0:END 1:ALL MSN  ▲▼
  ::
```

- 1 Press Number key 1. You are now in menu "All MSN".

```
ALL MSN: ON
NUMBER ASSIGNMENT
0:END 1:ON 2:OFF  ▲▼
  ::
```



Switch on or off the assignment to all MSN with Number key 1 or 2. With number 0 back to the preceding menu without change.

Note:

If assignment to all MSN is switched on, the setting for assigning to individual MSN is ineffective but remains stored and will be activated with switching off the assignment to all MSN.

Number assignment to individual MSN

In menu "Number assignment":

Keysequence: 3 3

```
ANSWERING MACHINE
NUMBER ASSIGNMENT
0:END 1:ALL MSN  ▲▼
  ::
```

- Press Plus or Minus key, until the menu "Individual MSN" appears.

```
ANSWERING MACHINE
NUMBER ASSIGNMENT
2:INDIVIDUAL MSN  ▲▼
  ::
```

- 2 Press Number key 2. You are now in menu "Individual MSN".

```
INDIVIDUAL MSN
NUMBER ASSIGNMENT
0:END 1:MSN1 2:MSN2  ▲▼
  ::
```

- Scroll to the desired MSN with Plus and Minus key and select with corresponding Number key. The current setting will be displayed.

```
MSN 1: ON
NUMBER ASSIGNMENT
0:END 1:ON 2:OFF  ▲▼
  ::
```

- eg
 - 2 Switch on or off the assignment for this MSN with Number key 1 or 2 (in this case switch off MSN 1) or return with 0 to the preceding menu without change.

```
MSN 1: OFF
NUMBER ASSIGNMENT
0:END 1:ON 2:OFF  ▲▼
  ::
```



IMPORTANT NOTE!

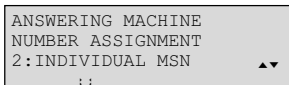
- All MSN, programmed for the EURACOM P4, as also the special MSN (the individual MSN for the answering machine) will be offered for assignment.
- You are able to assign more than one MSN to the answering machine, if programmed a multi subscriber connection.

Programming special MSN

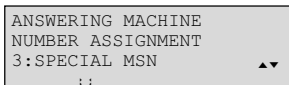
The “special MSN” is a specially assigned MSN for the answering machine.

In menu “Number assignment”:

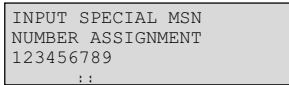
Keysequence:



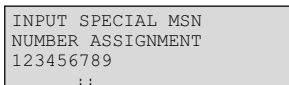
Press Plus or Minus key until the menu “Special MSN” appears.



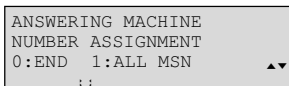
Press Number key 3. You are now in menu “Special MSN”. The current setting will be displayed.



Enter MSN for answering machine with Number key. Delete left character with Minus key.



Complete entry with Programming key. You have thus programmed an own MSN for the answering machine.



Setting up PIN remote control

In order to make sure, that no unauthorized person is able to access your answering machine, it is possible to program a Remote access PIN here.

In menu "Answering machine":

Keysequence: 3

```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBER ▼
:
:
```



Press Plus or Minus key, until the menu "Remote access PIN" appears.

```
ANSWERING MACHINE
3:NUMBER ASSIGNMENT ▲
4:REMOTE ACCESS PIN ▼
:
:
```



Press Number key 4. You are now in menu "Remote access PIN". Afterwards enter your **old** PIN.

```
ANSWERING MACHINE
REMOTE ACCESS PIN
OLD PIN: XXXX
:
:
```



Complete entry with Programming key.

```
ANSWERING MACHINE
REMOTE ACCESS PIN
INPUT NEW PIN: XXXX
:
:
```



Enter **new** PIN with Number keys. Delete left characters with Minus key.

```
ANSWERING MACHINE
REMOTE ACCESS PIN
INPUT NEW PIN: 2222
:
:
```



Complete entry with Programming key.

```
ANSWERING MACHINE
REMOTE ACCESS PIN
INPUT NEW PIN: XXXX
:
:
```



Repeat input of the new PIN.

```
ANSWERING MACHINE
REMOTE ACCESS PIN
INPUT NEW PIN: 2222
:
:
```



Complete entry with Programming key. You have thus programmed a new remote access PIN.

```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBER ▼
:
:
```

IMPORTANT NOTE!

- Remote control is active, if a remote access PIN unequal "0000" is programmed.
- If the remote access PIN is set to "0000", a check of the current remote access PIN is omitted.

Installation of answering machine

Programming of time limit

This is where you may determine, how much time shall be available for a recording. You may determine eg, that callers have available a maximum of 60 seconds for their messages.

In menu "Answering machine":

Keysequence: 3

```
ANSWERING MACHINE
0:END 1:OPERATION MODE ▲
2:CALL NUMBER ▼
: :
```



Press Plus or Minus key, until the menu "Time limit" appears.

```
ANSWERING MACHINE
5:ANNOUNCEMENTS ▲
6:TIME LIMIT ▼
: :
```



Press Number key 6. You are now in menu "Time limit".

```
ANSWERING MACHINE
TIME LIMIT: 180 SEC
0:END 1:30 SEC ▲▼
: :
```



Scroll to the desired time (30, 60, 120, 180 seconds and unlimited) with Plus and Minus key.

```
ANSWERING MACHINE
TIME LIMIT: 180 SEC
4:180 SEC 5:UNLIMITED ▲▼
: :
```



Select the desired time with the corresponding Number key (in this case: unlimited).

```
ANSWERING MACHINE
TIME LIMIT:UNLIMITED
0:END 1:30 SEC ▲▼
: :
```



With 0 back to the preceding menu. You have thus programmed the time limit.

```
ANSWERING MACHINE
0:END 1:OPERATION MODE ▲
2:CALL NUMBER ▼
: :
```

Note:

With the setting "unlimited", the recording time will be voice-driven. A break of 10 seconds causes then the end of the recording. In case of a programmed post-announcement, this will be heard afterwards.

Monitoring calls automatically

It is possible to adjust your answering machine in that way, that every time a message is recorded the speaker will be switched on. You will then monitor the message of your caller.

In menu "Answering machine":

Keysequence: 3

```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBER ▼
: :
```



Press Plus or Minus key, until the menu "Monitoring" appears.

```
ANSWERING MACHINE
7:MONITORING ▲
8:CALL TRANSFER ▼
: :
```

7

Press Number key 7. You are now in menu "Monitoring".

```
ANSWERING MACHINE
MONITORING: ON
0:END 1:ON 2:OFF
: :
```



Switch on or off "Monitoring" with number key 1 or 2.

```
ANSWERING MACHINE
MONITORING: OFF
0:END 1:ON 2:OFF
: :
```

0

With 0 back to the preceding menu. You have thus programmed the automatic monitoring.


```
AANSWERING MACHINE
7:MONITORING ▲
8:CALL TRANSFER ▼
: :
```

Switch on / off of answering machine

Switching on


 EURACOM P4 in Idle mode.
Press Message key.

```
ANSWERING MACHINE
0:END      1:ON  2:OFF  ▲
3:REPLAY  4:MAILBOX ▼
::
```

 Switch on answering machine with
Programming key. Message LED will be
switched on.

```
27.10.98      16:01
::
```

Switching off

 Switch off answering machine with
Termination key. Message LED turns off.

```
27.10.98      16:01
::
```

IMPORTANT NOTE!

- The message LED indicates the status of the answering machine.
- Switching on or off can also be performed via the menu with Number keys 1 and 2.

Recording of announcements

This is where it is possible, to record your individual message text. This message will then be heard by your callers. You may record two different message texts and one "only message text". After the "only message text" no message can be left by your callers. This message text is for information only. A typical "only message text" would be eg "This is company xy. Our telephone number has changed. Please dial..." But it is also possible, to record another text to be heard by the caller after his message (end message text). A typical end message text would be eg "Thank you very much for your message. I will call back".

In menu "Answering machine":

Keysequence: 3



Press Plus or Minus key, until the menu "Announcements" appears.

```
ANSWERING MACHINE
0:END 1:OPERATION MODE
2:CALL NUMBER
::
```

5

Press Number key 5. You are now in menu "Announcements".

```
ANSWERING MACHINE
5:ANNOUNCEMENTS
6:TIME LIMIT
::
```

1

Record message text 1 after lifting the receiver. The message may be timed between 6 and 30 seconds.

```
ANSWERING MACHINE
ANNOUNCEMENTS
0:END 1:ANNC.1
::
```



Place receiver on hook, to complete the recording. After 60 seconds it will be terminated automatically. Afterwards the message will be repeated automatically again. You have thus recorded your individual message text

```
ANSWERING MACHINE
PLEASE HOOK OFF
::
```

```
ANSWERING MACHINE
ANNC.1 PLAYBACK
::
```

IMPORTANT NOTE!

- Same procedure for announcement 2, "only announcement" and end message.
- The "only announcement" message may be timed between 6 and 60 seconds.
- The end announcement can be timed between 0 and 20 seconds.

Recording a message

It is possible for you, to record messages on your answering machine yourself, without making a call. It is thus possible to leave a message eg for your family members. These messages will then be signalled like a normal call.

- M** EURACOM *P4* in Idle mode.
Press Message key.
- ```
ANSWERING MACHINE
0:END 1:ON 2:OFF ▲
3:REPLAY 4:MAILBOX ▼
 ::
```
- ▲/▼** Scroll to desired menu point with Plus and Minus key. Select menu point with number.
- ```
ANSWERING MACHINE
5:SPEECH MSG  ▲
6:TEXT MESSAGE  ▼
      ::
```
- 5** Select menu point "Message". Record message via the receiver. The length of the message may be varied between 0 and 60 seconds.
- ```
ANSWERING MACHINE
PLEASE HOOK OFF
 ::
```
- ↔** The recording can be completed with the programming key. After 60 seconds it will be completed automatically. The message will then be repeated automatically. You have then recorded your individual message text.
- ```
ANSWERING MACHINE
REPLAY MESSAGE
      ::
```

Call up of the answering machine

Your answering machine is prepared to record messages up to 40 minutes. Each message will be recorded with date, time and telephone number (if available). During replay of messages you may skip messages and clear single messages purposely. While listening to a message, the phone number of the subscriber will be shown in the display of your EURACOM P4. If you lift the receiver, this number will be dialled immediately.

If a caller does not record a message, he is only listed in the caller list. Calls with recorded message are only stored in the answering machine and not in the caller list. The caller may abort your announcement with key *****. He is then able to record his message immediately.

IMPORTANT NOTE!

Call waiting, hold, broker's call and three-party is not possible with the answering machine. During a conversation no further caller is able to record on the answering machine.

Listen to messages

M EURACOM P4 in Idle mode.
Press Message key.

```
ANSWERING MACHINE
0:END      1:ON    2:OFF  ▲
3:REPLAY  4:MAILBOX ▼
      ::
```

3 Select menu point "replay".

```
REPLAY ANSWERING MACHINE
0:END      1:NEW   2:ALL  ▲
3:MAILBOX  4:SPEED MSG ▼
      ::
```

▲/▼ Scroll to the desired menu point with Plus and Minus key. Select menu point with corresponding Number key.

IMPORTANT NOTE!

- "New" describes messages, not yet replayed.
- "Old" describes messages, having been replayed at least once.
- After selection of NEW or ALL the messages will be replayed in chronological order.
- You can change the level of the speaker with key 1 to 9, if you listen the message.

Call up of the answering machine

Skip messages

You replay messages of your answering machine.

```
ANSWERING MACHINE REPLAY
MESSG.1 30.10.98 14:59
022369430321
::
```



With Plus key to next message.

```
ANSWERING MACHINE REPLAY
MESSG.2 30.10.98 17:00
01727298856
::
```



With Minus key to last message.

```
ANSWERING MACHINE REPLAY
MESSG.1 30.10.98 14:59
022369430321
::
```

IMPORTANT NOTE!

- You may scroll forwards and backwards by pressing Plus and minus key several times.
- Pressing the Programming key completes the replay.

Call back to recorded message, just heard

While listening to a message, the telephone number of the subscriber will be shown in the display of your EURACOM P4. If you lift the receiver, this number will be dialled immediately.

You are listening to messages of your answering machine. The telephone number of the caller will be shown in the display.

```
ANSWERING MACHINE REPLAY
MESSG.2 31.12.98 14:00
022369430321
::
```



By lifting the receiver the displayed telephone number will be dialled.

```
01.01.99 15:00
022369430321
::
```



If the called subscriber is lifting the receiver, it is possible to speak to him. Connection terminated. EURACOM P4 in Idle mode.

```
0,121 POUNDS 15:01
022369430321
::
```

```
01.01.99 15:02
::
```

Clear recorded messages

You are listening to messages from your answering machine.

```
ANSWERING MACHINE REPLAY
MESSG.02 31.05.98 14:00
022369430321
::
```



Press Termination key. Reconfirmation of the clear function.

```
ANSWERING MACHINE REPLAY
MESSG.02 DELETE?
022369430321
::
```



Confirm deletion with the Programming key. With every other key back without deletion.

```
31.05.98 19:00
::
```

Do you want delete all OLD messages:

Keysequence: 3 5

```
ANSWERING MACHINE REPLAY
5: CLEAR OLD ▲
6: CLEAR ALL ▼
::
```

Do you want delete ALL messages:

Tastenfolge: 3 6

Monitoring and accepting calls

It is possible to monitor a current recording at all times and to accept the call, if necessary.

Answering machine has accepted.

```
02.06.98 15:00
RECORD MESSAGE
MONITORING
::
```



Press Message key.

```
02.06.98 15:01
RECORD MESSAGE
::
```



Lift the receiver, if you want to accept the call.

```
02.06.98 15:02
022369430321
::
```

IMPORTANT NOTE!

- If automatic monitoring is switched on, the selection of "monitoring" is of no significance.
- If a call is accepted, the already recorded message of the caller up to this moment will be deleted.

Recording of conversations

It is possible to record a telephone conversation at all times. In this case you can avoid written notes eg But please inform your conversation partner about it.



You are having a conversation.

02.12.98	15:02
022369430321	
⋮	



Press Message key. The current conversation will be recorded.

02.12.98	15:02
022369430321	
RECORDING	
⋮	



Press Message key again. The recording will be terminated early.

02.12.98	15:02
022369430321	
⋮	

IMPORTANT NOTE!

- At the end of the conversation the recording will be completed automatically.
- During replay a recording will be treated as a normal call.

Transfer of messages

With the EURACOM P4 it is possible to signal newly received messages immediately to any telephone number (call transfer). This may be a mobile number, any telephone or a pager number. A programmed announcement will be transmitted to the mobile telephone and a programmed number sequence to the pager. But this telephone number must first be programmed.

Overviewing to the steps:

- Record call transfer announcement or enter pager message.
- Enter call transfer telephone number
- Switch on / off call transfer

You may perform all settings in menu “call transfer”.
And this is how you get to the menu “call transfer”:

In menu “Answering machine”:

Keysequence: **3**

```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBERS
::
```



Press Plus or Minus key until the menu “call transfer” appears.

```
ANSWERING MACHINE
7:MONITOR ▲
8:CALL TRANSFER ▼
::
```

8

Press Number key 8. You are now in menu “call transfer”.

```
ANSWERING MACHINE
CALL TRANSFER
0:END 1:ANNOUNCEMENT▲▼
::
```

Recording call transfer announcement

In menu “call transfer”:

Keysequence: **3** **8**

```
ANSWERING MACHINE
CALL TRANSFER
0:END 1:ANNOUNCEMENT▲▼
::
```

1

Press key 1, to record your message via receiver. The message may vary between 6 and 60 seconds.

```
ANSWERING MACHINE
PLEASE HOOK OFF
::
```



You can complete the recording with the Programming key. After 60 seconds it will be completed automatically. After recording the message will be replayed automatically.

```
ANSWERING MACHINE
ANNOUNCEMENT PLAYBACK
::
```

Transfer of messages

Enter call transfer pager message

In menu “call transfer”:

Keysequence:

```
ANSWERING MACHINE
CALL TRANSFER
0:END 1:ANNOUNCEMENT ▲▼
: :
```



Press Plus or Minus key until the menu “pager” appears.

```
ANSWERING MACHINE
CALL TRANSFER
2:PAGER 3:NUMBER ▲▼
: :
```



Press key 2. You are now in menu “pager”. Afterwards enter the characters, that shall be transmitted.

```
ANSWERING MACHINE
PAGER-MESSAGE
023468#723
: :
```



Complete entry with Programming key.

```
ANSWERING MACHINE
CALL TRANSFER
2:PAGER 3:NUMBER ▲▼
: :
```

Enter call transfer phone number

In menu “call transfer”:

Keysequence:

```
ANSWERING MACHINE
CALL TRANSFER
0:END 1:ANNOUNCEMENT ▲▼
: :
```



Press Plus or Minus key until the menu “number” appears.

```
ANSWERING MACHINE
CALL TRANSFER
2:PAGER 3:NUMBER ▲▼
: :
```



Press key 3. You are now in menu “number”. Afterwards enter the telephone number your calls shall be transmitted to (= call transfer number).

```
ANSWERING MACHINE
CALL TRANSFER
017146371234
: :
```



Complete entry with Programming key.

```
ANSWERING MACHINE
CALL TRANSFER
2:PAGER 3:NUMBER ▲▼
: :
```

Note:

The call transfer number is your phone number, if you select “announcement”, or your pager number, if you select “pager”.

Switch on / off call transfer

In menu "call transfer":

Keysequence: → → 3 8

```
ANSWERING MACHINE
CALL TRANSFER
0:END 1:ANNOUNCEMENT ▲▼
::
```



Press Plus or Minus key until the menu "state" appears.

```
ANSWERING MACHINE
CALL TRANSFER
4:STATE ▲▼
::
```



Press key 4. You are now in menu "state". Switch on call transfer to telephone with key 1, to pager with key 2 and switch off call transfer in general with key 3.

```
ANSWERING MACHINE
CALL TRANSFER: ANN.ON
0:END 1:ANN. ON ▲▼
::
```

```
ANSWERING MACHINE
CALL TRANSFER: OFF
2:PAGER ON 3: OFF ▲▼
::
```

Programming of VIP function

With the VIP function a caller may interrupt the function of the answering machine by entry of a code. The EURACOM P4 then signals via the tone ringer as usual. And this is how to get to the menu "VIP":

In menu "Answering machine":

Keysequence: → → 3

```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBER ▼
::
```



Press Plus or Minus key until the menu "More functions" appears.

```
ANSWERING MACHINE
9:MORE FUNCTIONS ▲
0:END 1:OPERATION MODE ▼
::
```



Press Number key 9. You are now in menu "More functions".

```
ANSWERING MACHINE
MORE FUNCTIONS
0:END 1:VIP-FUNCTION ▲▼
::
```



Press key 1. You are now in menu "VIP".

```
ANSWERING MACHINE
VIP-FUNCTION
0:END 1:STATE 2:CODE
::
```


Programming of VIP-function

Switch on / off VIP

In menu "VIP":

Keysequence:   3 9 1

```
ANSWERING MACHINE
VIP-FUNCTION
0:END 1:STATE 2:CODE
::
```

1

Press key 1. You are now in menu "state".

```
VIP-FUNCTION
STATE: OFF
0:END 1:ON 2:OFF
::
```



Switch on or off VIP function with number key 1 or 2.

```
VIP-FUNCTION
STATE: ON
0:END 1:ON 2:OFF
::
```

Enter VIP code

In menu "VIP":

Keysequence:   3 9 1

```
ANSWERING MACHINE
VIP-FUNCTION
0:END 1:STATE 2:CODE
::
```

2

Press key 2. You are now in menu "code".

```
VIP-FUNCTION
INPUT CODE:
::
```



Enter four-figured code with Number keys.
Delete left characters with Minus key.

```
VIP-FUNCTION
INPUT CODE:1234
::
```



Complete entry with Programming key.
You have thus entered your VIP code.

```
ANSWERING MACHINE
VIP-FUNCTION
0:END 1:STATE 2:CODE
::
```

Releasing room surveillance

With the function room surveillance it is possible to monitor a room from remote via the hands-free microphone. You can lock the room surveillance to be protected against unnoticed monitoring.

In menu "Answering machine":

Keysequence: 3



Press Plus or Minus key until the menu "More functions" appears.

```
ANSWERING MACHINE
0:END 1:OPERATION MODE▲
2:CALL NUMBERS ▼
: :
```



Press Number key 9. You are now in menu "More functions".

```
ANSWERING MACHINE
9:MORE FUNCTIONS ▲
0:END 1:OPERATION MODE ▼
: :
```



Press Plus or Minus key until the menu "Room inspection" appears.

```
ANSWERING MACHINE
MORE FUNCTIONS
0:END 1:VIP-FUNCTION ▲▼
: :
```



Press key 2. You are now in menu "Room inspection".

```
ANSWERING MACHINE
MORE FUNCTIONS
2:ROOM INSPECTION ▲▼
: :
```



Switch on or off „Room inspection“ with Number key 1 or 2.

```
ANSWERING MACHINE
ROOM INSPECTION: OFF
0:END 1:ON 2:OFF
: :
```

Use of mailbox

The mailbox is a special speech memory, which can record speech, can be listened to or cleared from local or remote location. In any case only one mailbox message at the same time can be stored.

M

EURACOM P4 in Idle mode.
Press Message key.

```
ANSWERING MACHINE
0:END      1:ON   2:OFF
3:REPLAY  4:MAILBOX
          : ;
```

4

Select menu point "mailbox".
Record mailbox message via the receiver.
The message may vary between 0 and 60 seconds.

```
ANSWERING MACHINE
PLEASE HOOK OFF
          : ;
```

→

Complete the recording with the
Programming key. Within 60 seconds it
will come to an automatic stop.
After the recording the mailbox message
will be repeated automatically.

```
ANSWERING MACHINE
MAILBOX RECORDING
          : ;
```

Using remote control facility

With input of a remote control PIN unequal "0000", the remote control is activated. If the remote control is switched on, you may control your answering machine remotely from any telephone with DTMF (tone dialling). If during remote control your phone is ringing for two extra ring periods this indicates no messages have been received. Therefore there is no need for being connected to your answering machine. If you have forgotten to switch on your answering machine, you can also do this from remote, as long as the remote control is permitted. Therefore let your telephone ring more than one minute. The answering machine then accepts the call and you may switch on the answering machine after receiving the request tone.

Switch on answering machine from remote

- ▶ Dial your number.
- ▶ After receiving request tone, dial # PIN #.
- ▶ Wait for acknowledgement tone.
- ▶ Switch on answering machine with * 01 *.

Initiate remote control

Assuming the answering machine is switched on:

- ▶ Dial your number.
- ▶ During a announcement: dial # PIN #
- ▶ Wait for acknowledgement tone.

After the acknowledgement tone it is possible to make use of the different functions of your answering machine via code numbers.

List of codes, overview

Reproduction of new messages	11
of all messages	12
call transfer announcement	13
announcement 1	14
announcement 2	15
end announcement	16
only announcement	17
mailbox message	18
complete	0
Next message	#
Last message / repeat message	*
Clear current message	2
Clear	
all old messages	22
call transfer announcement	23
announcement 1	24
announcement 2	25
end announcement	26
only announcement	27
mailbox message	28
Record call transfer announcement	33
announcement 1	34
announcement 2	35
end announcement	36
only announcement	37
mailbox message	38
complete	0
Switch off answering machine	* 00 *
Announcement operation, announcement 1	* 11 *
Announcement operation, announcement 2	* 12 *
Announcement operation, only announcement	* 13 *
Asking for remaining memory (per tone = approx. 2 min.)	* 2 *
Switch off call transfer	* 50 *
Switch on call transfer announcement	* 51 *
Switch on pager	* 52 *
Switch on room surveillance	* 60 *
Switch off room surveillance	0
Recording, normal compression	* 21 *
Recording, high compression	* 22 *
Recording, auto compression	* 23 *
Define time limit (30 seconds)	* 30 *
60 seconds	* 31 *
120 seconds	* 32 *
180 seconds	* 33 *
unlimited	* 34 *

Calling as VIP

- ▶ Dial up the desired connection.
- ▶ Answering machine accepts the call.
- ▶ During announcement: enter # **VIP code** #.
- ▶ Answering machine is interrupted, call will be signalled by tone ringer again.

8. Problem-solving

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Troubleshooting

Whenever your EURACOM P4 does not function, never assume there is a major technical problem. First carry out a check to see if any of the cords are connected properly. If the problem persists, endeavour to repair matters yourself to save time and money before calling the EURACOM service center.

Your ISDN connection is equipped with a network termination of your network provider. For power supply reasons this device is connected to the mains of your department or house. **In case of a power failure your EURACOM P4 might not be in working condition at all or only in restricted mode.** Check the fuses in this case or rather wait for return of the mains power supply provided by the electric company.

Display is off

- Cord is unplugged:
Check ISDN plug on EURACOM P4 and on socket for correct placement.
- Power failure:
Re-establish power supply.
- Display contrast with wrong setting:
Set display contrast.

Date / time wrong

- Plug is unplugged:
Check plug on EURACOM P4 and on socket for correct placement.
- Power failure:
Re-establish power supply and make a telephone call.
- You have not made a call:
If your network provider supplies you with time: make a telephone call. In other case: Set date and time in menu.

No dialling tone with lifted receiver

- Plug of one of the cords is not connected properly:
Check all plugs of the EURACOM P4 on receiver, telephone and on the socket for proper placement.
- Power failure:
Re-establish power supply or switch your EURACOM P4 to restricted power mode authorization.

Dialling not possible

- Telephone locked (symbol in display):
Unlock telephone.

Your conversation partner cannot hear you

- Microphone is switched off (symbol in display):
Switch on microphone again.

No ringer tone when called

- “Silent signalling” is activated:
Switch off “silent signalling”.

No incoming calls possible

- Wrong multiple subscriber number programmed:
Check multiple subscriber number and program again, if necessary.
- Call forwarding is switched on (LED on):
Switch off call forwarding.

ISDN service can not be used

- This service is not activated by your network provider
(display information: SERVICE NOT AVAILABLE):
Let this service be activated by your network provider.

During operation with a EURACOM PABX further specific problems may occur:

No S₀ bus status display

- Your EURACOM PABX does not support this function:
Read release number and upgrade PABX.

No subscriber monitoring

- Your EURACOM PABX does not support this feature yet:
Read release number and upgrade PABX.
- The preset subscribers are not configured in the PABX:
Check setting and program correct subscribers.

No registration as system telephone

- Your EURACOM PABX does not support this function yet:
Read release number and upgrade PABX.
- The programmed telephone number is already reserved for another system telephone:
Check setting and program correct telephone number.
- No EURACOM mode selected:
Check setting.

IMPORTANT NOTE!

In some cases it might be of help if you unplug and the reintroduce the cord plug (reset of software).

Never open the telephone yourself. If you manage to repair the failure on your own, our EURACOM service center is at your disposal.

Making telephone calls with headset

We recommend to connect a headset via an adapter box which is available from your EURACOM sockist. This has the advantage, that headset and receiver can be connected both at the time and used alternatively without the need for rearranging the telephone on each occasion.

Therefore plug the cord of the adapter box instead of the receiver cord into the receiver socket at the base of the telephone. Plug the receiver and the headset into the prepared sockets of the adaptor box.

To make use of the headset you have to switch on the respective operation mode in the EURACOM P4 (-> page 78).



EURACOM P4 in Idle mode.
Press Programming key **twice**.

```
PROGRAMMING
0:END          ▲
1:MAIN SETTINGS ▼
: : : : : :
```

1 Press key 1. You are now in menu "main settings".

```
MAIN SETTINGS
0:END          ▲
1:CHANGE PIN   ▼
: :
```

▲/▼ Press Plus or Minus key until the menu "others" appears.

```
MAIN SETTINGS
8:RINGER VOLUME ▲
9:OTHER FUNCTIONS ▼
: :
```

9 Press key 9. You are now in menu "others"

```
MAIN SETTINGS
OTHER FUNCTIONS
0:END 1:HEADSET ▲▼
: :
```

1 Press key 1. You are now in menu "headset".

```
MAIN SETTINGS
HEADSET: OFF
0:END 1:ON 2:OFF
: :
```

eg 1 Switch on headset operation mode with key 1 or off with key 2.
With key 0 back to preceding menu.

```
MAIN SETTINGS
OTHER FUNCTIONS
0:END 1:HEADSET ▲▼
: :
```

Note:

In headset operation mode the hook switch has no function. Hands-free operation is not possible. Line activation is operated via the speaker key. By pressing the speaker key for a long time (approx. 1,5 seconds) the speaker phone mode will be switched on or off.

Your telephone and your PC

Minimum requirement for your PC

Your PC should meet at least the following requirements:

- Operating system Windows 95 or Windows NT
- 3,5" disc drive
- 1 MB of free hard disc space
- VGA graphic card (640 x 480 pixel)
- RS 232C interface with 9-pin D-Sub socket

Connect telephone with PC

Install only with PC switched off !

- ▶ Unplug connection cord of your EURACOM *P4* from ISDN socket.
Display turns off.
- ▶ Plug the end of the cord with the D-Sub plug into the corresponding socket of the PC.
- ▶ Thread in the end of the cord with the Western plug into the socket, named "RS 232" on the bottom side of your EURACOM *P4*.
- ▶ Thread cord into the cable channel.
- ▶ Connect ISDN connection cord of your EURACOM *P4* to the ISDN socket again. Display messages are re-established again. With the first external call, date and time will be refreshed (as far as your network provider is transmitting these data).

Install PC programme

- ▶ Insert the provided 3,5" disc to the respective drive of your PC.
- ▶ Start the file "setup.exe". You are guided automatically through the installation menus. Please follow the instructions.

The program is self-describing. Should you still have questions about it, please call up the help function.

With the program it is possible, to establish the directory of your EURACOM *P4* and work with it in a comfortable way. It is also possible to update the software of your EURACOM *P4* with this program.

As a user of one of the EURACOM PABX's 141F, 141, 180F, 180, 181F, 181, 182F, 182, 260F, 260, 261F, 261, 262F or 262 you can have access to files, having been established with programmes of these PABX's.

Further important notes

Positioning EURACOM P4

Concerning the variety of different surface materials of furniture it might be possible, that these receive unpleasant marks, when in contact with parts of the housing (eg base of set). It is therefore recommended, to place the EURACOM P4 on a non-slip surface.

Care and cleaning

When cleaning your EURACOM P4, please:

- Never use a dry cloth (electrostatic charge might cause damages to the electronics).
- Be careful that no humidity enters the telephone (switches and contacts might be damaged).
- Please avoid the use of other cleaning materials and detergents.

Disconnecting cords

Always disconnect ISDN connecting cord from the ISDN socket first. All plugs can be disconnected by pressing the plastic hook in direction of the plug and pulling out the plug at the same time.

CE certificate

The EURACOM P4 is manufactured according to the requirements of the following present European specifications:

Specification Short name

89/336 EWG Electromagnetic compatibility

91/263 EWG Telecommunications terminal equipment

73/23 EWG Low voltage specification

The conformance was proved, the respective declarations and specifications are placed on deposit with the manufacturer.

Futher important notes

Technical data

Euro ISDN basic network access

Connection

Protocol

Operation mode

TNV-1 circuit

Basic access: 2xB-, 1xD- channel

DSS1 (Euro ISDN)

Multiple subscriber mode (point-to-multipoint)

System connection (point-to-point)

EURACOM PABX system mode

Power supply

phantom feeding

Power consumption

Operation without answering machine

typ. 300 mW

Operation with answering machine

typ. 650 mW

Idle mode

< 100 mW

Restricted mode

yes, with reduced performance

Ambient temperature

Operation

+5 to +40 °C

Transportation

-25 to +70 °C

Storage

-25 to +55 °C

Relative humidity

Operation at 23°C

45% to 75%

5 to 40 °C

25% to 80% (without dew)

Storage

20% to 90% (without dew)

Housing

Dimensions

265 x 75 x 210 mm

Material

ABS

Weight

appr. 1000 g

Connection cords

ISDN

Western 4/8, length 3 m

Receiver

Western 4/4, spiral

PC

Western 4/4, to 9-pin D-Sub, length 2 m

PC interface

Connection

Western 4/4, to 9-pin D-Sub, length 2 m

Transmission rate

9600 bit/s, no parity, 1 stop bit

Answering machine (option)

Recording mode

full digital

Recording time

with high quality: 14 minutes

with reduced quality: 40 minutes

Data storage during power failure

10 years (no battery needed)

Warranty certificate

The manufacturer guarantees a warranty of 12 months for the EURACOM *P4*, starting from the date stated on receipt from the reseller, excluding compensation, change or other claims. Please keep your receipt for prove of purchasing date.

All parts covered by this warranty, which have been damaged by production or through material failures, will be repaired or replaced free of charge.

Excluded from warranty are damages or disturbances caused by improper use, natural wear and tear or manipulation by a third party. We are not liable for damages caused by Force Majeure or during transportation.

The warranty is not extended if warranty repairs have been carried out.

Conditions for warranty service via EURACOM service center

With the EURACOM *P4* you have acquired a top quality ISDN telephone manufactured in line with today's technical needs for connection to the public ISDN network and to EURACOM PABXs.

Should you encounter disturbances with your system however, you are welcome to take advantage of our preexchange service via the EURACOM service center.

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For your notes

-  **ringing symbol**
symbolizes activated silent signalling
-  **speaker symbol**
symbolizes activated speaker or hands-free mode.
-  **microphone symbol**
symbolizes activated microphone mute mode
-  **S₀-bus symbol**
symbolizes the occupation status of the assigned S₀-bus
no symbol: S₀-Bus not existing
no bar: S₀-Bus in Idle mode
upper bar : B1-channal occupied
lower bar: B2-channal occupied
two bars : 2 B-channals occupied
-  **keyboard symbol**
symbolizes the keyboard lock, switched on
-  **direct call symbol**
symbolizes the direct call, switched on

Switch on answering machine

- ▶ Dial your number.
- ▶ After receiving request tone, dial # PIN #.
- ▶ Wait for acknowledgement tone.
- ▶ Switch on answering machine with *01*

Switch on answering machine from remote

- ▶ Dial your number.
- ▶ After receiving request tone, dial # PIN #.
- ▶ Wait for acknowledgement tone.
- ▶ Switch on answering machine with *01*.

After: Use the functions of answering machine about the difficult code numbers.

Codes

Reproduction of new messages	11
of all messages	12
call transfer announcement	13
announcement 1	14
announcement 2	15
end announcement	16
only announcement	17
mailbox message complete	18
complete	0
Next message	#
Last message / repeat message	*
Clear current message	2

Codes, continuation

Clear	all old messages	22
	call transfer announcement	23
	announcement 1	24
	announcement 2	25
	end announcement	26
	only announcement	27
	mailbox-message	28
Record	call transfer announcement	33
	announcement 1	34
	announcement 2	35
	end announcement	36
	only announcement	37
	Mailbox message	38
	complete	0
	Switch off answering machine	*00*
	Announcement operation, announcement 1	*11*
	Announcement operation, announcement 2	*12*
	Announcement operation, only announcement	*13*
	Asking for remaining memory (per ton=appr. 2 min)	*2*
	Switch off call transfer	*50*
	Switch on call transfer announcement	*51*
	Switch on pager	*52*
	Switch on room surveillance	*60*
	Switch off room surveillance	0
	Recording, normal compression	*21*
	Recording, high compression	*22*
	Recording, auto compression	*23*
	Define time limit (30 seconds)	*30*
	60 seconds	*31*
	120 seconds	*32*
	180 seconds	*33*
	unlimited	*34*



ACKERMANN

Systems that connect

Internet <http://www.ackermann.com>



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