

***smar-tel-i***  
*User Manual for  
System Telephones*



# Dear Customer,

Thank you for deciding to purchase our smar-tel-i.

smar-tel-i is a versatile and easy to use system telephone. As soon as you connect smar-tel-i to an AUERSWALD-PBX with internal  $S_0$  bus, the PBX teaches it everything necessary to function as a system telephone on this exchange.

Similarly, handy menu-guides assist you in using the important functions within the PBX. You also have the option of assigning PBX switching functions to six programmable keys.

Additional comfort is offered by the PBX allocation scheme display that is offered to you when you lift the receiver. Here, for example, you can see in advance whether the internal phone that you want to call is busy or not.

You can also operate the smar-tel-i directly on the Telekom network termination or on that of another provider (see the chapter on *Technical Data* on page 76 for stipulations). In this assistance, smar-tel-i even assumes some of the functions that are normally executed by a PBX, e. g. management of call charges.



Almost without exception, this manual will present operating or programming instructions for the smar-tel-i system telephone in conjunction with an AUERSWALD PBX. Any operating deviations are described in a special reference at the end of the chapter.

This manual refers to the AUERSWALD PBX models ETS-4308 I and ETS-2204 I. **Please note that in some countries AUERSWALD PBXs are marked and sold under different brand names.** If you should own a different AUERSWALD PBX with internal  $S_0$  port, then please refer to the information regarding the smar-tel-i in the PBX manual.

The internal  $S_0$  bus of an AUERSWALD PBX accepts up to four smar-tel-i telephones.

The smar-tel-i does not have the FLASH or R keys which are described in the manuals of the AUERSWALD PBXs. Functions activated by the R key according to the PBX manual can be easily executed with smar-tel-i's soft-keys. For example, dialing a new number during an active connection can be initiated with the soft-key "Con2".

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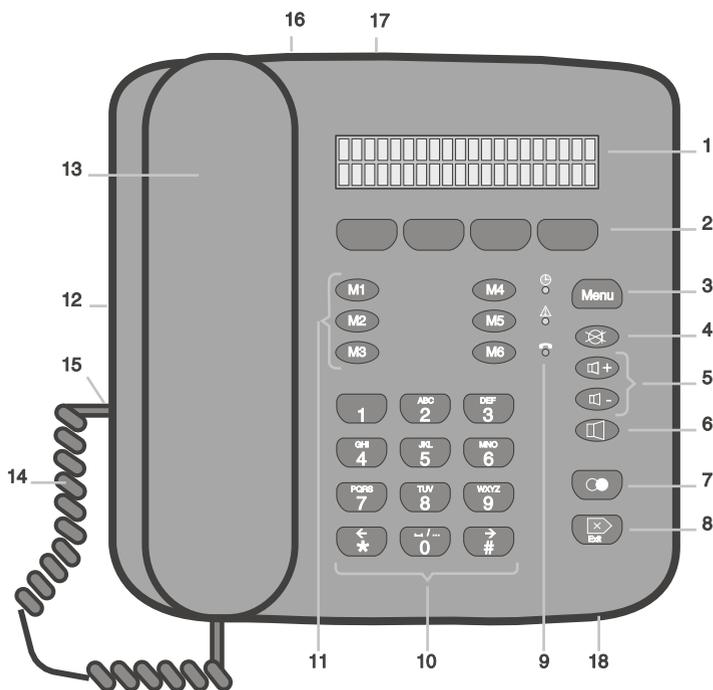


Illustration 1

- 1 Display
- 2 Soft-Keys
- 3 Menu Keys (to view the available menus or menu groups)
- 4 Microphone Key (for muting)
- 5 Loudspeaker Keys (volume)
- 6 Loudspeaker Key (on/off)
- 7 Redialing Key (for selecting one of the 10 numbers last dialed)
- 8 Exit Key (to discontinue menu functions)
- 9 LEDs:
  - top: (green light when a daily appointment alarm is set)
  - middle: (green light for various other settings)
  - bottom: (red light when calls are in the call list)
- 10 Dialing Key Pad (in addition to text and number entry in the program menus)
- 11 Macro or Target Call Keys (M1)-(M6) (for storing frequently dialed numbers or for use as exchange switching functions)
- 12 Slide Switch setting for emergency power
- 13 Receiver
- 14 Coiled Receiver Cord
- 15 Socket for Receiver Cord
- 16 Socket for Connecting Cable
- 17 Stress Relief for Connecting Cable
- 18 Microphone Opening (for speaking hands-free)

Operating and Programming the smar-tel-i is accomplished with **the help of menus**.

Programming can be initiated in a non-working state with the receiver in place by pushing the **menu key**  one or more times which allows viewing the available **menus or menu groups**.

Below the display are four keys, so-called **soft-keys** , which have different functions depending upon where you currently are in the menu itself. The respective function is displayed in the lower display line directly above the soft-key key. In order to **select a menu group, a menu or a function**, the respective soft-key must be pressed.

From any menu, pressing the **exit key**  returns the smar-tel-i to a **non-working state**. Entries that have not been stored will be lost.

smar-tel-i's three **LEDs** have the following meanings:

- The top LED lights up green if a **daily appointment** reminder alarm has been set.
- The middle LED also lights up green indicating that **one or more of the following programs** have been activated in smar-tel-i : call forwarding, call screening, direct calling, disabled dialing, secured set-up, "one-time only" appointment alarm, direct name dialing, ringer muting. Or it blinks, signaling that a smar-tel-i **InterCom call** has been initiated.
- The bottom LED lights up red if **calls** are stored **in the call listing**.

The various **settings** are indicated **by symbols** in the display. Other settings however are communicated by **displayed text** that is for the most part self-explanatory.

### Symbols, that indicate a specific telephone setting:

| Symbol  | Meaning   |
|---|---|
|    | Loudspeaker ON  |
|    | Microphone ON (Loudspeaker ON with receiver replaced) |
|    | Microphone OFF (Muted)                                |
|    | Call Screening ENABLED                                |
|    | Call Screening DISABLED                               |
|   | Secured Set-Up ON                                     |
|  | Call Back when Busy                                   |
|  | Call Forwarding ON                                    |

 If an **arrow** appears in the top line to the **right in the display**, additional information will be shown if the **hash mark key**  is pressed.

### 3 Getting Started

Following a few instructions is all that is necessary in order to start operations with your smar-tel-i. In order that smar-tel-i can function as a system telephone with the internal S<sub>0</sub> bus of your AUERSWALD PBX, the following requirements must be met:

- One of the internal **Multiple Subscriber Numbers (MSNs) 41-48** has been **entered as MSN1** in smar-tel-i (refer to the chapter *Installing MSNs* on page 9).
- Your **PBX uses the 1.1k software version** or higher (confirm using the operator program). Should this not be the case, please execute a PBX software update (refer to the PBX manual).

 Included in your smar-tel-i data medium package is an operator software which you can easily use to program your smar-tel-i. Programming the smar-tel-i is accomplished through the connected PBX (similar to programming the PBX itself through its serial port or, beginning with **software-version 2.0** with an ISDN PC card via the internal S<sub>0</sub> bus).

**Please observe the safety precautions on page 76.**

#### 3.1 Connecting the telephone

Follow and execute the instructions below in order (when being connected, each **plug** must audibly seat **so that it can be heard**):

- 1 Connect the coiled receiver cord to the receiver by pushing the cord plug into the socket on the bottom end of the receiver.
- 2 The other plug of the coiled cord which is still free is inserted into the socket on the left side of the smar-tel-i (refer to Illustration 1 on page 6 / item 15).
- 3 One plug of the smooth connecting cable is inserted into the socket located on the back side of the smar-tel-i (refer to Illustration 1 on page 6 / item 16).
- 4 The other end of the smooth connecting cable is connected to an IAE socket of the internal S<sub>0</sub> bus of your AUERSWALD PBX.

At this point, the smar-tel-i executes a self-test. The LEDs light up and the messages "Please wait" and "Auerswald smar-tel-i" are displayed. Data exchange between smar-tel-i and the PBX immediately follows.

When initially connecting smar-tel-i to the AUERSWALD PBX, it does not have a valid subscriber number (41-48) as a MSN. In this instance, the display notifies you within a few seconds about the necessary entry. The following chapter explains how you proceed with this entry.

Then the data exchange between the two devices continues. smar-tel-i is ready for operation when the LCDs extinguish and the display appears as follows (e. g. when connected to an ETS-4308 I):

```
smar-tel-i ETS-4308I
--> List
```

(only for initial connection or after a power failure)

After a few seconds, this display changes and goes into the normal non-working status of the smar-tel-i (the time is taken from the PBX):

```
13.12.97 14:15
--> List
```

💡 If you do **not** operate your smar-tel-i **with an AUERSWALD PBX**, but rather connect it directly to the network termination of your EURO-ISDN interface, then the time and date are transferred from the ISDN network via a self-initiated (working) external call.

### 3.2 Installing MSNs

In order for the smar-tel-i to function as a system telephone on the internal S<sub>0</sub> bus of your AUERSWALD PBX, **one of the internal subscriber numbers 41-48** must be entered in smar-tel-i as **MSN1**.

#### Example: Entering the subscriber number "41" as MSN1 in the telephone:

- |  |   |   |
|--|---|---|
| <pre>Telephone-Setup ok</pre>            |    | <p>Press the menu key several times until the menu group <b>PHONE-INSTALLATION</b> can be seen in the display (refer to page 31).</p> |
| <pre>Language: ENGLISH change next</pre> |    | <p>Open the menu group.</p>   |
| <pre>MSN ok next</pre>                   |    | <p>Continue to the „MSN“ function.</p>  |
| <pre>MSN1 ok change</pre>                |    | <p>Open the menu.</p>   |
| <pre>MSN1 ok change</pre>                |    | <p>Enter the MSN1.</p>  |
| <pre>PIN Input: _ ok</pre>               |    | <p>Enter the 4-digit PIN ("0000" factory default) and confirm.<br/><b>(Inputting Numbers:</b> refer to page 32).</p>                  |
| <pre>MSN1: _ ok del</pre>                |  | <p>Enter the MSN1 (e. g. "41").<br/><b>(Inputting Numbers:</b> refer to page 32).</p>   |
| <pre>MSN1: 41_ ok del</pre>              |  | <p>Store MSN1 .</p>   |
| <pre>Text: _ ok A&gt;a del</pre>         |  | <p>Exit menu.</p>   |

💡 Use **each of the internal subscriber numbers "41-48" only once for one of the respective ISDN devices**, that are connected to the internal S<sub>0</sub>-bus of your PBX. In the AUERSWALD PBX, the respective subscriber number must be installed as „connected subscriber“.

For example, you can enter the MSN of your Euro-ISDN connection as **MSN2 and MSN3** to insure that the smar-tel-i will continue to operate directly on the network termination should a power failure occur.

If you would like to change or delete an MSN for which a call forwarding has already been installed, you will receive a message regarding this **active call forwarding**. Should the MSN nevertheless be changed or deleted without first deleting the call forwarding, then the call-forwarding remains intact (refer to the chapter *Call-Forwarding* on page 60) This means that all callers who dial this MSN (which is no longer installed in the telephone) will continue to be diverted.

If you do **not** operate your smar-tel-i **on an AUERSWALD PBX**, but rather directly on the network termination of your EURO-ISDN connection, then you can enter into the smar-tel-i three of the multiple call numbers assigned by your provider.

If you **do not** install an **MSN** in smar-tel-i then the telephone will always ring, regardless which of your numbers the caller has dialed.

If by accident a **wrong MSN** has been installed (a number under which your connection can not be reached), then the smar-tel-i does not ring!

A **text** can be stored for every MSN and will be displayed as soon as that MSN is called. For example, it can provide information as to whether a call is a business call or of a private nature.

## 4 Operation

The operation of smar-tel-i is menu-driven and therefore quite easy. It is not necessary to remember a multitude of keys; on the contrary, the alternatives for a given situation are shown in the bottom display line. Execution merely requires pressing the soft-key under the selected function.

Simply try a few functions with the assistance of this manual. You will see how quickly you are able to use your smar-tel-i.

### 4.1 Allocation Schematic (only for AUERSWALD PBXs)

After picking up the receiver, an overview of the subscriber and exchange layout appears. Here you can see in advance whether or not an internal phone that you would like to call is already being used, for example.

**Example: Viewing an allocation schematic (when operating an ETS-4308 I with one internal and two external S<sub>0</sub> ports).**

```
13.12.97      14:15
--> List
```



Lift the receiver

**or**



Press the loudspeaker key

```
Dial:      3:--3-----
End < > 4:-2-----8
```



Subscriber Allocation Overview:  
Subscribers 33, 42 and 48 are busy or at least the receiver has been lifted.  
Go to the Exchange Allocation Overview.

```
Dial:      A:12--
End < >
```



Now the occupancy status of the two exchange lines or the four B-channels is visible (on the first external S<sub>0</sub> port both B-channels are busy; on the second external S<sub>0</sub> port both B-channels are available).  
Return to the Subscriber Allocation Overview.

### Example: Dialing using the number pad.



```
Dial: 3:--3-----
End < > 4:-2-----8
```



Dial the phone number.

```
Dial: 0_
End
```

You see the numbers being dialed.

```
008154711 Call
End
```

The call is completed for the subscriber being dialed. (Alternative text-displays after dialing: refer to page 17).



Instead of picking up the receiver, you can press the **loudspeaker key** at any time. You can then **hear** and **speak** without touching the phone. As soon as the receiver is picked up, the loudspeaker automatically turns off.

Various **alternatives** to this traditional manner of dialing are described in the chapters that follow.

**Dialling** or **calling** a subscriber can be **aborted** by pressing the soft-key under “End”. Renewed dialing can then be started.

Do not forget to **enter the external line access code “0”** for external calls unless your device is programmed in the AUERSWALD PBX as a direct external device. In this case, please read the chapter *Dialing Directly with an External Phone (only for AUERSWALD PBXs)* on page 16.

If you do **not** operate your smart-tel-i with an **AUERSWALD PBX**, but rather connect it directly to the network of your EURO-ISDN interface, then the call will not be displayed. You merely hear the ringing.

## 4. 2. 1 Dialing Preparation

Dialing preparation is the entering of or searching for a telephone number before the start of actual dialing through picking up the receiver or pressing the loudspeaker key.

Dialing preparation is advantageous when long telephone numbers are to be entered. For example, you can use it when long rows of numbers must be entered to program the exchange. Accordingly, you always have the possibility of correcting an entry should you have made a mistake.

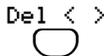
### Example: Dialing using the number pad (with dialing preparation).

```
13.12.97 14:15
--> List
```



Dial the telephone number

```
Dial: 08154711_
del < >
```



The telephone number that has been entered can then be corrected.

```
Dial: 008154711
del < >
```



```
Dial: 008154711_
End
```

The telephone number is dialed.

 **Dialing** can be **aborted** by pressing the soft-key under "End". Renewed dialing can then be started.

If "**direct name dialing**" is activated (refer to the chapter *Direct Name Dialing* on page 41), then numbers can only be dialed if the receiver has been lifted. Otherwise, you will directly access the telephone book entries.

## 4.2.2 Using the Telephone Book

Frequently used telephone numbers can be stored with names in the telephone book (refer to the chapter *Telephone Book / Phone List* on page 39).

**Example: After picking up the receiver, dial Klaus' telephone number.**



```
Dial:      3:--3-----
End < > 4:-2-----8
```



Open the telephone book.

```
Astrid    < > ->
Dial      < >
```



Page to the desired entry.

or



Jump directly to the entry beginning with the letter "K".

(The alphabetical use of the number pad is described on page 33).

```
Klaus     < > ->
Dial      < >
```



Dial the telephone number.

(The number stored under "Klaus" is shown by pressing the hatch key before dialing.)

 If the **soft-key under "Book"** is pressed before lifting the receiver (**dialing preparation**), then sufficient time is also available for longer searches. Furthermore, entry changes are possible.

When **"direct name dialing"** is installed (refer to the chapter *Direct Name Dialing* on page 41), then direct access from a non-working status to the telephone book entries using the number pad is possible. In this case, however, entry changes are not possible.

As soon as more than one MSN has been entered in smar-tel-i, then the "Book" display is replaced by "MSN" display. With the receiver in place, the telephone book can only be accessed using the menu key.

### 4. 2. 3 Using Redialing

The last 10 telephone numbers that were dialed are stored in the redialing memory.

**Example: After picking up the receiver, recall from the redialing memory the telephone number of “Klaus“ which was previously dialed from the telephone book.**

|  |   |  |
|--|---|--|
|  |  |  |
| <pre>Dial: 3:--3----- End &lt; &gt; 4:-2-----8</pre> |  | Display the telephone number last called.  |
| <pre>1: 008154711 Dial</pre>                         |  | Press the key repeatedly until the desired entry has been selected.  |
| <pre>3: Klaus Dial -&gt;</pre>                       |  | Dial the telephone number to be called. (Pressing the soft-key under “->“ <b>displays the telephone number of “Klaus“.</b> ) |

 If the **redialing key** is pressed before picking up the receiver (dialing preparation), then telephone numbers may be altered or entire entries may be deleted.

### 4. 2. 4 Using Target Dialing Keys

The target dialing or macro keys (M1) - (M6) can be programmed with any telephone numbers (target dial telephone numbers) or other useful functions (refer to the chapter *Programming Macro Keys* on page 67). In order to dial a telephone number stored on a target dialing key, simply pressing the key once is sufficient.

**After picking up the receiver, dial with the target dial key (M1).**

|  |   |  |
|--|---|--|
|  |  |  |
| <pre>Dial: 3:--3----- End &lt; &gt; 4:-2-----8</pre> |  | Press the target dial key.                   |
| <pre>Dial: 008154711_ End</pre>                      |   | The telephone number to be called is dialed. |

 If the **target dial key** is pressed prior to picking up the receiver (dialing preparation), your entry can still be corrected. Pressing the soft-key under “OK“ allows the displayed number to be corrected without permanently altering the programming.



## 4. 2. 6 Alternative Text Displays after Dialing

As soon as the number to be called has been entered and smar-tel-i has transferred it to your AUERSWALD PBX, then information is displayed about the call, or that the desired connection is busy, for example.

### Examples of different kinds of information after dialing.

```
Call 42
End      Call-Back
```

The internal subscriber (extension) "42" is dialed. If there is no answer, you can initiate a call-back with "call-back" "when no response" (refer to the chapter *Initiating a Call-Back* on page 18).

```
Call 34
End     Call-Back
```

The call to the internal subscriber was diverted to internal subscriber "34". If there is no answer, you can initiate a call-back at subscriber "34" with "call-back", "when no response" (refer to the chapter *Initiating a Call-Back* on page 18).

```
008154711 busy
End      Call-Back
```

An external subscriber is busy. You can initiate a call-back with "call-back", "when busy." (refer to the chapter *Initiating a Call-Back* on page 18).

```
Bob Call Protection
End Urgent Call-Back
```

The internal subscriber "Bob" has installed call protection. (The name of the internal subscriber must already be stored in the PBX by using the operator program.) With "call-back", you can initiate a call-back "when busy" (refer to chapter *Initiating a Call-Back* on page 18) or with "urgent" an urgency call can be initiated.

```
No Calling Authoriz.
End
```

You do not have a calling authorization mode for the number dialed. (Refer to the AUERSWALD PBX user manual).

```
Exchange Lines Busy
End
```

At the moment it is not possible to initiate an external call because all external lines are busy.

```
User Account Empty
End
```

The credit in the account installed in the AUERSWALD PBX has been used up.

```
Account No.active
End
```

One or more user accounts have been installed in smar-tel-i. Dialing is only possible after entering a valid account number under "account".

```
Blocked
End
```

The number dialed has been disabled as a "blocked" number in smar-tel-i.

```
Dial Lock
End
```

Dialing has been disabled in smar-tel-i.

 If you do **not** operate your smar-tel-i with an **AUERSWALD PBX**, but rather connect it directly to the network termination of your EURO-ISDN interface, then only the following text can be generated in the above examples: “user account active”, “blocked”, and “dialing blocked”. This is because smar-tel-i itself generates this text and not the PBX.

#### 4.2.7 Initiating a Call-Back

If the number of a subscriber is busy and your call is urgent, instead of continually dialing the number, you can activate an automatic call-back “when busy” (CCBS: Completion of Calls to Busy Subscriber). **The subscriber being called must also have this technical capability.** When the connection is no longer busy, your smar-tel-i will ring. When the receiver is picked-up, the telephone number is displayed and automatically dialed. Then the subscriber’s telephone rings.

For internal subscribers, a call-back can be initiated for “**when no response**” and “**when busy**”. Both parties are then simultaneously called by the call-back.

**Example: Initiate a call-back for a subscriber that is momentarily busy.**

```
008154711 busy
End Call-Back
```

Call back 

Activate automatic call-back.

An audible confirmation can be heard and you can replace the receiver. (If you do not hear the audible confirmation, the call-back has not been activated.)

**Example: Call-back as soon as the subscriber has replaced the receiver.**

```
Call-Back 008154711
End ok
```



Prefixed with “call-b”, the number to be called-back appears in the top display line.

 An external call-back (CCBS) **is stored for approximately 45 minutes** and then deleted. An internal call-back is stored indefinitely in the PBX.

The **costs** for the call-back which you initiated are debited to your connection.

If you **do not accept a call-back** it is deleted.

If you do not wish to accept a call-back, then press the soft-key under “end” or exit key . The call-back is deleted.

If you do **not** operate your smar-tel-i with an **AUERSWALD PBX**, but rather connect it directly to the network termination of your EURO-ISDN interface, then instead of an audible confirmation, you will receive the message “Entry” in the display.

For a call-back, instead of “call b” an “r” precedes the call-back number in the display. Up to three call-backs can be initiated and can also be individually deleted. (Refer to the chapter *Deleting Call-Back “When busy”* on page 57.)

## 4.3 Receiving Calls

When you receive an incoming call, the caller's number is displayed even before the receiver is picked up. The technical requirements for displaying the telephone number of a subscriber are the following:

- The call originates from a digital network.
- The caller does not restrict the transmission of his telephone number.
- The function for displaying the telephone number of incoming calls is activated in smar-tel-i (factory default setting).

If the telephone number is not available, then a "0" or "external call" is displayed.

If the number calling has also been entered in your smar-tel-i telephone book, then the caller's name is displayed instead of his telephone number. (Refer to the chapter *Telephone Book / Phone List* on page 39).

If you can not be reached or can not accept a call for any other reason, then the caller's number is stored in the call list if that number is available. You can then dial the number directly from the call list when returning the call. (Refer to the chapter *Returning a Call from the Call List* on page 21).

If for some reason you do not wish to be called by a particular person, then you can prevent this call from reaching you by installing a call-screener (refer to the chapter *Screening calls* on page 55).

Example: Accepting a call.



```
008154711
End ok for
```



Switch the display if necessary.

```
For MSN04/Exch.2
End ok from
```



A caller has dialed the number that is stored in your AUERSWALD PBX as 4<sup>th</sup> MSN of exchange line 2 (2<sup>nd</sup> external S<sub>0</sub> port). ("Exch." is displayed only if there are at least two external S<sub>0</sub> ports.) / Pressing the soft-key under "from" again displays the telephone number of the caller.

 If you **do not** want to **accept a call**, then simply press the **soft-key under "End."**

You accept the call by **pressing the soft-key under "OK."** The loudspeaker activates automatically.

If you already have a call, then the incoming call be signaled as a call-waiting. How a call-waiting can be accepted or refused is described in the chapter *You Have a Call-Waiting Signal* on page 25.

If you are in the process of programming, it will abort as soon as someone attempts to call you.

If you do not operate your smar-tel-i with an **AUERSWALD PBX**, but rather connect it directly to the network termination of your EURO-ISDN interface, then the MSN being called or the text that is stored in smar-tel-i is shown in the lower display line. Terminating the call with “End” is not possible.

If you are in the process of programming, this can be finished while the telephone is ringing after which you can pick up the receiver. By pressing the “Exit” key, programming is aborted and the telephone number of the caller is displayed.

#### 4.3.1 Text Displays When Being Called

For every call, extensive information appears in the display about the caller or the reason for calling.

##### Examples of different kinds of information about call.

```
Kitchen
End ok
```

A call is initiated by an internal subscriber in the “kitchen.” (If the subscriber is not stored in the PBX by the operator program, a name is used that might be stored in the telephone book.)

```
Call-Back 31
End ok
```

This call is a call-back that was originally activated by subscriber 31 or vice versa.

```
Call groups 31
End ok
```

A call to a call group was initiated by subscriber 31.

```
Code Call 3 Sw.cent
End ok
```

Code call 3 was activated by an internal subscriber in the switching centre. (The subscriber name must be stored in the PBX by using the operator program.)

```
Alarm Call
Confirm
```

An alarm was activated on the AUERSWALD PBX. Pressing the soft-key under “confirm” confirms the call.

```
Wake-up Call
End ok
```

You receive a wake-up call. Pressing the soft-key under “OK” activates music on hold over the loudspeaker.

```
Urgent 33
End ok
```

You have activated “call protection” for your telephone. Internal subscriber “33” wants to reach you anyway and has initiated an urgency call.

### 4. 3. 2 Returning a Call from the Call List

Telephone numbers from calls not received are listed in the call list. These numbers are stored along with the number of call attempts, the MSN called, and date and time of the call. (For multiple call attempts, the date and time of the last attempt is stored.)

If a call list exists, then the number of telephone numbers that have been stored are shown in the lower display line. A maximum of 10 numbers can be displayed. If more than 10 calls from different subscribers are received, then the oldest call registered is overwritten.

In order for an entry to be made in the call list, the caller's number must be available for display and must be authorized. Should your smar-tel-i restrict the caller's number, this has no effect. The number is stored anyway.

If a call list exists, the lower LED signals red.

**Example: The last caller on the call list is called back.**

```
13.12.97 14:15
Calls 3 --> List
```



Display the last caller.

```
1:5*008154711 -->
> del --> MSN
```



The subscriber with the number "08154711" has called five times.

Displays the MSN to whom the calls were directed.

```
MSN: 41 -->
> del --> MSN
```



Displays the date and time of the call.

```
13.12.97 12:45 -->
> del --> MSN
```



The last call attempt was on Dec. 13, 97 at 12:45 PM.

(Pressing the soft-key under ">" **pages** to the next entry on the list.

Pressing the soft-key under "delete" **deletes** the entry from the call list.)

 The **call list** can only be **viewed** when the receiver is in place.

If the telephone number of the caller is stored in the telephone book, then the **name** that has been entered there will also be logged in the **call list**.

If you **return the call of a subscriber in the call list** and your call is accepted, then that number is deleted from the call list.

When operating an AUERSWALD PBX, the **MSN** for whom the call was intended is always the internal subscriber telephone number that has been entered as MSN1.

## 4.4 During a Call

While your call is in progress, the top display line contains information about the person with whom you are speaking. Either you see the telephone number that he has transmitted or the name that has been entered in the telephone book if it is available.

The lower display line offers you several functions which you can execute by using the soft-keys.

### 4.4.1 Call Charge Information and Call Duration

The soft-key on the right allows you to switch between the call number (or name) and the accumulated charges (or the accumulated time of the call). In order for call charges to be displayed, the following requirements must be met (in all other instances, the duration of the call is displayed):

- You have initiated an external (working) call.
- The call charge display is activated. (Factory default settings / refer to the chapter *Call Charge Display During and After a Call* on page 42).
- The performance feature “**Advice of Charge During the Call**” (AOCD) has been requested from and activated by the provider.

**Example: Retrieving call charges during a call.**

Müller  
End Con2 Park Cost

Cost  


Display charges for the current call.

12.24 DM  
End Con2 Park No.

No.  


Switch back in order to display the name.

 When the charge display is deactivated, the soft-key to the right offers a switch to “Time” (accumulated call time).

The accumulated call charges during a call will be displayed when replacing the receiver simply if the performance feature “Advice of Charge at the End of the Call” (AOCE) is present at the end of a call (and assuming that the call charge display is turned on).

From the menu group TELEPHONE-SETTINGS, the cost per unit charge can be set (refer to the chapter *Charge Rates* on page 45). The factory default setting for this factor depends upon the country version of your smar-tel-i.

### 4.4.2 Terminating a Call

Terminating a call is not only possible by replacing the receiver; it is also possible by pressing a key should you wish to immediately place another call.

**Example: Terminating a call by pressing a key.**

Müller  
End Con2 Park Cost

End  


Terminate the call.  
A new call can be immediately initiated without replacing the receiver.

### 4. 4. 3 Initiating a Consultation with a Second Caller

When you have a question during a call that needs clarification, then use Consultation to call a second party without terminating the original call.

**Example: Suspend a call in order to initiate a consultation with an internal subscriber.**

```
Müller
End Con2 Park Cost
```

Con2  


Suspend the call.  
You hear the dial tone.

```
Dial: 3:--3-----
End < > 4:-2-----8
```



Dial the number of the second party to be consulted and wait until he answers.

```
2: kitchen
End Con1 Conf Cost
```

End  


You are connected with the second party.  
Terminate this call.

```
Müller
End Con2 Park Cost
```

Now you are only connected with first party and can continue the call.

 When the **subscriber** who was called for consultation is **busy or can not be reached**, then also press the soft-key under “End” in order to return to the first caller.

**When the subscriber on hold replaces the receiver**, it can be seen that the “1” or “2” preceding the telephone number of your current party disappears. This call can now be continued without further hindrance.

**When the current party replaces the receiver**, the soft-key under “End” must be pressed in order to return to the subscriber on hold.

You can switch your party by replacing the receiver. If you wish to switch two parties, either a corresponding calling authorization mode must be set for your device or one of the two exchange access lines must be initiated with “67” and the exchange access code “0.” ( Refer to the PBX manual).

If you do **not** operate your smar-tel-i with an **AUERSWALD PBX**, but rather connect it directly to the network termination of your EURO-ISDN interface and the receiver has been replaced instead of pressing the soft-key under “End,” you will hear **short sequential signals** for eight seconds after replacing the receiver. Smar-tel-i is signaling that subscribers are still waiting in the background on the exchange. Please lift the receiver. You are then connected with a subscriber again and this call can then be terminated in the usual manner.

If smar-tel-i is operated on any other PBX, switching can be activated at the telephone. (Refer to the chapter *Enabling / Disabling the Exchange* on page 56).

#### 4. 4. 4 Alternating Between Two Calls

If you are in the middle of a consultation call, the connection with that party must not necessarily be terminated. It is possible to speak alternately with both parties (alternating). To change between the two, press the respective soft-key under "Con1" or "Con2".

 **Tip:** Refer to page 23.

#### 4. 4. 5 Initiating a Conference with Two Callers

During a conference, you can speak with two parties at the same time.

**Example: From a consultation call initiate a conference, and after a while switch both parties together.**

```
2: kitchen
End Con1 Conf Cost
```

Conf  


You are in the middle of a consultation call.  
Switch all three parties together.

```
C2: kitchen
End Con1 split Cost
```

Con1  


The telephone number of the subscriber with whom you last spoke is displayed (in this case, the second party called).

Switch to the telephone number of the external subscriber in order to check call charges, for example.

```
C1: Müller
End Con2 split Cost
```



Switch the two parties together.

 **When one of the parties hangs up the receiver,** continue calling with the other party in a normal fashion.

**The parties whom you have called are switched together** when you replace the receiver. If you want to switch two subscribers, you must either configure a corresponding user authorization for your telephone, or initiate one of the two external access lines with "67" and the external line code "0."

If you do **not** operate your smar-tel-i with an **AUERSWALD PBX**, but rather connect it directly to the network termination of your EURO-ISDN interface, **then simply replacing your receiver** will deactivate the connection between all three parties.

Pressing the soft-key under "End" will deactivate the connection to the subscriber whose telephone number appears in the display.

If the soft-key "Split" is pressed instead of "End," then the connection to the subscriber shown in the display will not be deactivated. You continue to speak with him while the other party now waits on hold. It is now possible to alternate between the two parties.

## 4. 4. 6 You Have a Call-Waiting Signal

If you are in the middle of a call, then an incoming call is signaled as a call-waiting if this function has been activated. (refer to the chapter *Activating / Deactivating Call-Waiting* on page 56). The caller hears a dial tone although your telephone is busy. You now have the choice of accepting or refusing the call.

### Example: Accepting a call-waiting.

```
03087654321
End accept
```

accept  


While you have a call, you are also being called. You hear the call-waiting tone (two times, short) and the telephone number of the caller is shown in the upper line of the display. Accept the call.

```
2: 03087654321
End Con1 Conf Cost
```

You are connected with the waiting call. The original caller now waits on hold (Consultation Call).

 From the consultation call, you can now **alternate between the two calls or initiate a conference**.

The **performance feature “Call-Waiting” (CW)** must be requested from and activated by your provider.

Instead of pressing the soft-key under “accept”, it is possible to use the soft-key under “End” in order to **terminate the original call**. You are then immediately connected with the waiting call.

If you **do not want the original call to be interrupted**, then either ignore the call-waiting tone or press the **EXIT** key  in order to **reject the waiting call**. That caller now hears a busy signal.

## 4. 4. 7 Muting the Microphone

If you want to temporarily interrupt a call in progress and would also like to prevent the other party from hearing what is happening in the room, then the microphone can be muted. You can still hear your party, but he can no longer hear you.

The top display line indicates the muting with a symbol.

### Example: With the receiver picked-up, mute a call temporarily.

```
003087654321
End Con2 Park Cost
```



Mute the microphone.

```
003087654321
End Con2 Park Cost
```



You can recognize that the microphone has been muted by the symbol in the top line of the display.

Reactivate the microphone. The symbol disappears from the display.

#### 4.4.8 Parking a Call / Terminal Portability (TP)

The “parking a call / terminal portability” function allows you to suspend an active call for a short interval (a maximum of three minutes) if, for example, you want to:

- leave the immediate area, or
- unplug smar-tel-i from an IAE receptacle in order to re-plug it into another IAE receptacle on the same ISDN connection (internal S<sub>0</sub> bus).

**Example: Park a call to the internal S<sub>0</sub> bus of an AUERSWALD PBX, re-plug smar-tel-i and then resume your call.**

|  |   |   |
|--|---|---|
| <pre>003087654321 End Con2 Park Cost</pre> |  | Park<br>You have an active call.<br>Initiate parking.   |
| <pre>Park-Code: ok del</pre>               |  | ok<br>Confirm parking without entering a parking code.  |
| <pre>Line Parked --&gt; List</pre>         |  | The display indicates that the connection has been parked.<br>Replace the receiver and re-plug the cable. |
| <pre>13.12.97 14:15 --&gt; List</pre>      |  | Menu<br>As soon as smar-tel-i is ready to operate after re-plugging, initiate de-parking                  |
| <pre>Resume Code: ok del</pre>             |  | ok<br>Confirm parking without entering a parking code.  |
| <pre>Please lift handset. ok del</pre>     |  |   |

-  A call can not be parked in conjunction with an installed user account. Since the call will be resumed with the same telephone, any **code** that has been entered **will be ignored by the PBX**.

If you do **not** operate your smar-tel-i with an **AUERSWALD PBX**, but rather connect it directly to the network termination of your EURO-ISDN interface, then the parked call can also be de-parked with another telephone on the same ISDN connection.

The parked connection can be assigned a code (one or two digits) which must be entered again when resuming the call. In case that two calls are parked on the same ISDN connection, the park-code assures that each party resumes “his” parked call. Only one park code can be assigned at any one time.

If you operate different telephone models on your ISDN connection, then it is possible that another device will only store a one-digit parking code! In this case, do not park a call with a two-digit code, since it might not be possible to resume the call with a different telephone.

## 4.5 Doorbell and Door Voice Contact (only for AUERSWALD PBXs)

If the door terminal is connected to your AUERSWALD PBX, you can open the door with the smar-tel-i without first speaking with the visitor. If a doorbell is pressed whose signal is switched to your device, then your smar-tel-i rings and displays a doorbell in the display.

If you are in the middle of a call when the doorbell rings, the doorbell will be displayed, regardless of the doorbell setting.

**Example: The doorbell rings, and you want to speak with the visitor before opening the door.**



```
Doorbell 2
End ok open Light
```



Accept the call from the door.

```
Door terminal
End open Light
```



Open the door and, at the same time, switch the third relay (stair-well light).

```
Door terminal
End open Light
```



Terminate the door voice contact.

**Example: The doorbell rings while you are in the middle of a call, and you would like to speak with the visitor without terminating your current call.**

```
008154711
End Con2 Door Cost
```



Open the door menu.

```
Doorbell 1
End ok open Light
```



You are still speaking with the external subscriber.  
Accept the door voice contact (consultation).

```
2: Door terminal
End Con1 open Light
```

The external subscriber waits on hold.

 As soon as “open” is seen in the display, you can **open the door** by pressing the soft-key under it. The display will only offer “open” when the second relay is installed as door relay and the subscriber has been authorized to open the door (refer to the PBX User Manual).

As soon as “Light” has been offered in the display, **the third relay** can be **switched** by pressing the soft key under it. By pressing the soft-key under “open,” the door can be opened and the third relay can be switched simultaneously. “Light” will only be offered in the display if the third relay is installed and is set as a door relay (for example, stair-well light). (Refer to the PBX User Manual).

## 4.6 Dialing with an Installed Users Account

When one or more user's accounts are installed in your smar-tel-i, a call can only be initiated after entering a valid account number. (Refer to the chapter *User Accounts* on page 46).

**Example: You have a user's account. Initiate a call.**

|   |   |                                       |
|---|---|---------------------------------------|
| <pre>13.12.97      15:32 ----- Acct</pre> |  | Prepare to enter your account number. |
|---|---|---------------------------------------|

|  |   |  |
|--|---|--|
| <pre>Acct-No.: _ ok          del</pre> |  | Enter and confirm your 4-digit account number. (The digits are displayed as stars (****)). |
|--|---|--|

|   |  |  |
|---|--|--|
| <pre>120.00 DM      15:32 ----- --&gt; List</pre> |  | The credit on your account is displayed. Initiate the call as usual. |
|---|--|--|

 In order to initiate a call, the account credit must equal **at least two charge units**. Should sufficient credit be indicated but, when dialing, the display “**Cost Account Empty**” appears, then a **cost account** has been installed in the **AUERSWALD PBX** in addition to the user account in the telephone. (Refer to the PBX User Manual).

If you install users accounts in the telephone and wish to limit a user to internal calls, this can be achieved by installing user account with a credit of two charge units. As long as only internal calls are made over this account, the credit will remain unused.

## 4.7 Non-display of MSN for Ensuing Calls

If you have enabled the transmission of your telephone number with outgoing calls (refer to the chapter *Call Number Display* on page 58), but would like to restrict this function for individual calls, then such calls should be initiated as follows.

**Example: Restrict the transmission that displays your telephone number.**

|  |   |  |
|--|---|--|
| <pre>13.12.97      14:15 ----- --&gt; List</pre> |  | Prevent the displaying of your telephone number with the next outgoing call. |
|--|---|--|

|   |  |                             |
|---|--|-----------------------------|
| <pre>13.12.97      14:15 ----- xxx List</pre> |  | Initiate the call as usual. |
|---|--|-----------------------------|

 The ISDN feature **CLIR** (calling line identification restriction at the B-subscriber) must be **requested from and activated by your provider**.

**Conversely**, a continually restricted call number display **can be reactivated before each outgoing call**. (Refer to the chapter *Call Number Display* on page 58).

Additionally, the option of restricting telephone number display transmission exists **using the AUERSWALD PBX function** (refer to the PBX user manual). If you use this function, the telephone number will be continually restricted in any case.

#### 4.8 Selecting Working MSNs

In order for individual MSN cost accounting to function on a direct connection (i.e. without installing a PBX) smar-tel-i has an MSN call charge counter (refer to the chapter *Call Charges for Individual MSNs* on page 44). If you have installed several MSNs in your smar-tel-i, then "MSN" will appear over the right soft-key instead of "Book." You can use this to select the particular MSN call charge counter that is to assume the accrued call charge costs for a given call (and simultaneously to select which MSN is being transmitted with the outgoing call).

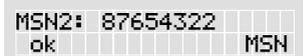
**Example: Select a working MSN before initiating a call.**



13:12:97      14:15  
--> MSN

MSN  

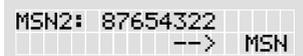

Search for the desired MSN.



MSN2: 87654322  
ok      MSN

ok  


Select the MSN displayed.



MSN2: 87654322  
--> MSN

ok  


Initiate the call as usual.

 The telephone number will not be transmitted with the call if the call number transmission has been restricted. Nevertheless, any call charges incurred will accrue to the respective MSN call charge counter.

**Alternativ, when operating an AUERSWALD PBX, individual call number transmission and call charge accounting are achieved by the different settings available for business and private exchange access (refer to the PBX user manual).**

## 5 Programming

You will probably wish to change only a very small number of the functions described in this chapter. For this reason it is a good idea to use the table of contents or the index to look up the functions that are of interest to you.

Nevertheless, it is advisable to read through the following section, *Programming Basics*, since it provides necessary information regarding searching for functions and the inputting of numbers and letters.

### 5.1 Programming Basics

smar-tel-i programming is simple and menu-guided. In order to configure functions that are already familiar to you, detailed instructions are in many cases unnecessary. It is often sufficient to know in which menu-group a given function can be found, and above all, which keys must be activated in order to get there.

The two sub-sections that follow contain important information for you. Following this information are explanations of how to input numbers or text during the programming of smar-tel-i.

#### 5.1.1 Overview of Menu Groups

Most of smar-tel-i's programming and querying functions are incorporated in four menu groups that can be accessed through repeatedly pressing the menu key. A brief overview of the menu groups follows:

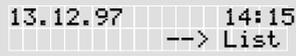
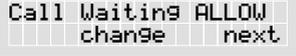
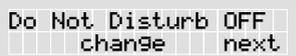
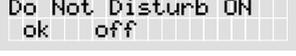
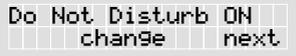
| SETTINGS  | USEFUL APPLICATIONS  | INFORMATION  | PHONEINSTALLATIONS  |
|---|--|--|---|
| Call-Forwarding<br>Call Screening<br>Direct Calling<br>Blocked (Disabled)<br>Dialing<br>Blocked (Secured)<br>Set-up<br>Appointment<br>Blocked (Disabled)<br>Numbers | Call-Waiting<br>Call Charge Display<br>Direct Name Dialing<br>Ringer Muting<br>Memo<br>Deleting<br>Malicious Caller identification<br>Switching<br>Delete Call-Back<br>Total Call-Charge Counter | No. of Phone Book Entries<br>MSN-Call Charge Counter (optional)<br>Account Status (optional)<br>Disable Call-Waiting (optional)<br>Emergency Call / Fire<br>Special Emergency Number (optional)<br>Exchange Code (optional)<br>Disabled Numbers (optional)<br>Software Version | MSN<br>Language<br>Melodies & Volume<br>Time / Date<br>Call charge per Unit<br>Currency<br>PIN Modification<br>MSN Call Charge Counter<br>User Account<br>Call Number Display<br>Special Emergency Call<br>Exchange Code<br>Software-Update |

## 5. 1. 2 Menu-guided Applications

The description of each function indicates the respective menu group (or menu) where it may be found. How to open menus and make changes are described with examples in the following text: **To search for a menu-group** (or the menus “Telephone Book”, “Macro-key-Functions” and “Query Functions”), continually press the menu key , until the desired menu-group (or the desired menu) is shown in the display.

In order **to exit a menu** and return to a non-working status, press the exit-key  or lift the receiver. Be aware that settings will be lost unless they have been stored.

**Example: In the menu-group USEFUL APPLICATIONS, activate the function “Do Not Disturb”:**

|  |   |  |
|--|---|--|
|    |    | The receiver is in place. smar-tel-i is in a non-working status.<br>Search for “Useful Applications” in the display. |
|    |    | Open the menu-group Useful Applications.   |
|    |    | Search the display for “Do Not Disturb OFF.”   |
|    |    | Open the function “Do Not Disturb.”  |
|    |    | Activate the function “Do Not Disturb.”  |
|   |   | Store the setting.   |
|  |  | Continue by changing to the next function.   |
| <b>or</b>  |  | Return to the menu-group Useful Applications.  |
| <b>or</b>  |  | Return to a non-working status.  |
| <b>or</b>  |  | Exit the menu in order to dial a number.   |

### 5. 1. 3 Information about Menu Groups

In contrast to the other menu groups, the INFORMATION Menu group can only be queried for information about settings that have already been configured.

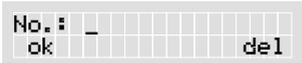
In accordance with factory default settings, the only information that you can see in the INFORMATION menu group at delivery is the number of telephone book entries, the emergency call numbers and the software version of your smar-tel-i. As soon as you enter a blocked (disabled) telephone number in your smar-tel-i, this can also be seen in the INFORMATION menu group, for example (optional).

In order to go to the INFORMATION menu group, press the menu-key several times while the receiver is in place.

### 5. 1. 4 Inputting Numbers

“Inputting Numbers“ is offered while many functions are being set, for example when disabling numbers, special emergency numbers, time and date.

You can recognize when numbers are to be entered because the lower display line offers the following selection for the soft-key:



(Example of a telephone book entry)

Now by pressing the number-key  (dialing key-pad) numbers can be entered. Numbers are always entered at the point where the cursor (underline) is.

You can **move** the **cursor with the keys**  (right) and  (left).

**Exception:** When **programming** a call number to a **macro- / target dial key**, the keys  and  are also used to input the “star“ and “hatch“ symbols.

By pressing the soft-key under “**del**“, you can delete the numbers that are underscored by the cursor.

Pressing the soft-key under “**OK**“ terminates the input mode.

 **Inputting the PIN** is an exception to this rule. The numbers being entered are represented in the display as stars in order to maintain confidentiality. Deleting numbers once they have been input is no longer possible.

Charge rate units, user account credit, time and date **can not be deleted; they can only be written-over.**

When setting the appointment reminder, the soft-key under “**del**“ **has a different function.** You can either delete the entire time (four digits) or display the current date.

## 5. 1. 5 Inputting Text

Inputting text is offered to you for the following functions: telephone book, memo, installing MSNs, user accounts, special emergency calls and the appointment reminder.

You can recognize the mode for entering letters when the lower display line offers the following selection for the soft-keys:

Name: \_      A>a   del      (Example from a telephone book entry)

Now it is possible by pressing the respective key-pad numbers **to enter** letters, numbers or various other **characters**. These are always entered at the point where the cursor (underline) is located. For example, by pressing the  key three times, you get the third letter on that key - an "L".

The **cursor** can be **moved** left and right with the keys  (right) and  (left).

It is possible to **shift between capital and lower-case letters** by pressing the soft-key under "A>a" (small) or vice-versa.

If you wish to **delete a character**, move the cursor under the character and press the soft-key under "del".

The following table offers an over-view of the available figures:

| Key   | Figures under A>a      | Figures under a>A      |
|---|------------------------|------------------------|
|    | space bar 1            | space bar 1            |
|    | ABC2ä                  | abc2ä                  |
|    | DEF3                   | def3                   |
|    | GHI4                   | ghi4                   |
|    | JKL5                   | jkl5                   |
|  | MNO6ö                  | mno6ö                  |
|  | PQRS7                  | pqrs7                  |
|  | TUV8ü                  | tuv8ü                  |
|  | WXYZ9                  | wxyz9                  |
|  | space bar /.:()-&+!/?0 | space bar /.:()-&+!/?0 |

**Example: Store the name “Hanna” in the telephone book / phone list.**

```
Name: _
ok      A>a del
```



Enter “H.”

```
Name: H_
ok      A>a del
```



Shift from capital to lower-case letters.



Enter “a.”

```
Name: Ha_
ok      a>A del
```



Enter “n.”

```
Name: Han_
ok      a>A del
```



Enter “n.”

```
Name: Hann_
ok      a>A del
```



Enter “a.”

```
Name: Hanna_
ok      a>A del
```



Now if you wish to change anything, move the cursor with the left cursor key under the letter to be changed.

```
Name: Hanna
ok      a>A del
```



Now you can **delete** the letter .....

**or**  

... input a character before the letter.

 If you wish to write **two consecutive** letters that are on the **same key**, (for example “a” and “b”), pause after entering the first letter until the cursor has moved a space or move the cursor yourself to the right using the  key.

### 1 Dialing the exchange line access code each time

You dial the exchange line access code each time (for example, "0") before the actual telephone number. The following should be observed in this regard:

- You also have the option of initiating exchange line access with various codes (for example, private and targeted access with the AUERSWALD PBX).
- For call numbers that are stored directly in the telephone such as blocked (disabled) numbers, special emergency numbers, telephone book entries, target dial numbers and direct dial numbers, the exchange line access code must also be entered.
- When operating an AUERSWALD PBX, the exchange line access code must also be entered for screening calls and call-forwarding.

### 2 Installing a "Direct Exchange Telephone" when operating an AUERSWALD-PBX.

You can install smar-tel-i as a direct exchange telephone. The PBX then connects you directly with the exchange when the receiver is picked-up. The following should be observed in this regard:

- Telephoning with the exchange becomes easier; however internal call require pressing an additional key (refer to chapter *Dialing Directly with an External Phone (only for AUERSWALD PBXs)* on page 16).
- Automatic exchange access does not apply to target or private exchange access. These must be initiated with the usual numbers and prior pressing of the soft-key under "internal call" (refer to the chapter *Dialing Directly with an External Phone (only for AUERSWALD PBXs)* on page 16).
- When entering an exchange number in the call-forwarding function, the exchange line access code must also be included.

### 3 Entering the exchange line access code when operating other PBXs

If you operate your smar-tel-i on a different PBX, an exchange line access code can be installed on the telephone (with a maximum of three digits). smar-tel-i automatically installs the exchange access when the receiver is picked-up. The following should be observed in this regard:

- If your PBX automatically adds an exchange access code to the telephone number of an incoming call (for example the AUERSWALD PBX) then this will also be stored in smar-tel-i's call list. When returning a call from the call list, this code must be deleted because smar-tel-i automatically executes an exchange access when the receiver is picked-up. In the case of call screening, you must enter the exchange access code in call screening. (In addition, please observe the instructions of your PBX).

## 5. 2. 1 Entering Exchange Line Codes

In order to enter the public telephone network when operating a PBX, an exchange access code (for example a "0") must be dialed before the telephone number. By using the following smar-tel-i function, smar-tel-i automatically executes an exchange line access when the receiver is picked-up if you enter the digits (a maximum of 3) that are required for an exchange line access on your PBX (refer to your PBX user manual).

### Example: Install "0" as an exchange line access code .

Search for the function under the menu-group **PHONE-INSTALLATIONS** (refer to page 31).

```
Ext.Line Code NO
change      next
```

change  


Open the menu.

```
PIN Input:  _
ok
```

 ok  


Enter a 4-digit PIN ("0000" factory default setting) and confirm. (**Inputting Numbers**: refer to page 32).

```
Ext.Line Code:  _
ok              del
```



Enter the exchange line access code.

```
Ext.Line Code:  0_
ok              del
```

ok  


**Store the exchange line access code.**

 **If your PBX automatically adds an exchange access code to the telephone number of incoming calls** (for example the AUERSWALD PBX) then this will also be stored in smar-tel-i's call list. When returning a call from the call list, this code must be deleted because smar-tel-i automatically executes an exchange access when the receiver is picked-up. In the case of call screening, you must enter the exchange access code.

**When operating an AUERSWALD PBX, please use the PBX function "Direct Exchange Device" (refer to the PBX user manual), which is easier to use, in place of the function integrated into the telephone itself.**

## 5.3 Basic Settings

The following section describes setting the time and date as well as melodies and dial tone volume.

### 5.3.1 Melodies and Volume

smar-tel-i offers you selection of eight different melodies for playing during holding intervals. The volume can be adjusted in 8 steps (0-7). Factory default settings at delivery are melody 1 and volume 3.

**Example: For MSN1 install the holding-melody 2 with a volume of 6.**

Search for the function under the menu-group **PHONE INTALLATIONS** (refer to page 31).

|                                       |  |  |
|---------------------------------------|--|--|
| Call Signal & Volume<br>ok next       | ok<br>      | Open the menu.   |
| Call Signal MSN1: 1<br>ok change Test | change<br>  | Initate the changing of the setting.<br>("Test" replays the current setting.)  |
| Call Signal MSN1: 1<br>ok - +         | + -<br>     | Change the melody that has been installed.                                     |
| Call Signal MSN1: 2<br>ok - +         | ok<br>      | Store the settings.  |
| Call Signal MSN1: 2<br>ok change Test | ok<br>      | Change to setting of the volume  |
| Call Volume MSN1: 3<br>ok change Test | change<br> | Initiate the changing of the setting.<br>("Test" replays the current setting.) |
| Call Volume MSN1: 3<br>ok - +         | + -<br>   | Change the existing volume.  |
| Call Volume MSN1: 6<br>ok - +         | ok<br>    | Store the setting.   |

 **The ringing tone of the MSN is turned off with a volume of "0".**



## 5. 4 Telephone Book / Phone List

The telephone book is used for entering useful or frequently called telephone numbers with their names. Telephone numbers that have been input can be searched for in the telephone book and then directly dialed from it. You can learn how this works by referring to the chapter *Using the Telephone Book* on page 14.

When your smar-tel-i displays an incoming call and that number is already entered in the telephone book, then the name to which the number belongs is displayed instead of the number itself.

In order to speed the access to telephone book entries, direct name dialing can also be activated (refer to the chapter *Direct Name Dialing* on page 41).

### 5. 4. 1 Telephone Book Entries / Phone List Entries

Up to 100 names can be stored in the telephone book which are automatically sorted alphabetically. A name can have a maximum of 20 letters, and a telephone number can have a maximum of 21 numbers.

**Example: Store the telephone number “030 87654321“ under the name of “Hanna“.**

Select the menu **TELEPHONE BOOK / PHONE LIST** (refer to page 31).

```
Phone List
ok
```



Open the menu.

```
Phone List
new < >
```



Create a new entry.

```
Name: _
ok A>a del
```



Enter the name.  
(**Inputting Text:** refer to page 33).

```
Name: Hanna_
ok A>a del
```



Change to the number-entry mode.

```
No.: _
ok del
```



Input the telephone number **with area code**.  
(**Inputting Numbers:** refer to page 32).

```
No.: 03087654321_
ok del
```



Store the entries.

 In some cases **when operating a PBX**, the **exchange access code** must be entered in the telephone book (example: 0 030 87654321). You can determine whether this is required in your case by reading the chapter *Alternatives for Initiating Exchange Line Access* on page 35.

## 5. 4. 2 Changing Telephone Book Entries / Phone List Entries

Telephone book entries can be changed or deleted at any time.

**Example: Change the name “Hanna“ in the telephone book to “Johanna“:**

Select the menu **Telephone Book** (refer to page 31).

```
Phone List
ok
```



Open the menu.

```
Phone List
new < >
```



**Page to entry which is to be changed.**

**or**



Jump to the **entry beginning with** the letter “H.”  
(Using the number pad for letters is described on page 33).

```
Hanna ->
new change < >
```



Initiate changing the entry.

```
Name: Hanna_
ok a>A del
```



Change name.  
(**Inputting text:** refer to page 33).

```
Name: Johanna
ok a>A del
```



Change to numerical input mode.

```
No.: 03087654321_
ok del
```



Now the telephone number can be changed.  
Store changes.

 The **factory default setting** includes 10 useful telephone numbers that have already been entered. These can, of course, be changed or deleted at any time.

### 5. 4. 3 Direct Name Dialing

The setting “Direct Name Dialing ON“ allows you to directly access telephone book entries from the number pad while the receiver is still in place. This means that when you press the key  three times, then the first entry beginning with the letter “L“ appears (assuming that it exists).

When direct name dialing is activated, then the middle LED lights up green.

#### Example: Activate Direct Name Dialing.

Search for functions under the menu-group USEFUL APPLICATION (refer to page 31).

```
Name Dialing OFF
change next
```

change  


Open the menu.

```
Name Dialing OFF
ok on
```

on  


Activate “Direct Name Dialing.“

```
Name Dialing ON
ok off
```

ok  


Store the setting.

 **Dialing Preparation** (dialing numbers with the receiver in place) is **no longer possible** when Direct Name Dialing is activated. In this case, dialing numbers is only possible when the receiver has been picked up or the loudspeaker has been turned on.

## 5.5 Controlling Costs

The following chapter describes the options that smar-tel-i offers you for controlling costs.

### 5.5.1 Call Charge Display During and After a Call

During a call the accumulated call charges are displayed after pressing the soft-key to the right. This function presupposes the following technical considerations:

- It is an external outgoing (working) call.
- The call charge is activated.
- The performance feature “Advice Of Charge During the Call” (**AOCD**) must be requested from and activated by your provider.

Should one of these requirements not be met, only the length of the call will be displayed. If only the length of the call is of interest, then the call charge display can be deactivated with the following function.

**Example: Deactivate the “advice of charge during the call”.**

Search for the function under the menu-group USEFUL APPLICATIONS (refer to page 31).

```
Charge Indicator ON
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
```

change  
○

Open the menu

```
Charge Indicator ON
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
```

off  
○

Deactivate the advice of charge display.

```
Charge Indicator OFF
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
```

ok  
○

Store the setting.

💡 The cost per unit charge rate can be set in the menu-group PHONE-INSTALLATIONS. (Refer to the chapter *Charge Rates* on page 45).

If the feature installed is the “advice of charge at the end of the call” (**AOCE**), then the charges accumulated during the call will only be displayed at the end of the call when the receiver is replaced.

## 5. 5. 2 Total Call Charges

All charges incurred with smar-tel-i are collected and stored in Total Call Charges independent of the installed user account. This charge display can be reset at any time. For example, by regularly resetting the call charge display, charges accumulating daily or weekly can be periodically controlled.

### Example: Reset the Total Call Charges to zero.

Search for the function under the menu-group USEFUL APPLICATIONS (refer to page 31).

|          |       |    |      |  |
|----------|-------|----|------|--|
| Charges: | 12.36 | DM |      |  |
| del      |       |    | next |  |



Reset (delete) the display to "0".

 The **transmission of charge units** must be requested from and activated by your provider.

Resetting this display does not influence the **MSN call charge counter**.

Your **AUERSWALD PBX** offers you additional alternatives for **call charge accounting**. (Refer to the PBX user manual).

### 5.5.3 Call Charges for Individual MSNs

When installing MSN call charge counters, you have the option, for example, of separating business and private calls by using MSN1 for business and MSN2 privately. A private call must then be initiated with a working MSN2. (Refer to the chapter *Selecting Working MSNs* on page 29). This MSN will also appear in the display of the party being called unless its transmission has been restricted. In any case, the call charges incurred will be accumulated by the MSN call charge counter.

#### Example: Enable the call charge counter for MSN1.

|  |   |  |
|--|---|--|
| <pre>MSN Charge Counter ok      next</pre>     |  | Open the menu.   |
| <pre>Counter1 OFF ok change</pre>              |  | The MSN1 counter is displayed. Initiate a change to the setting.   |
| <pre>Counter1 OFF ok on</pre>                  |  | Enable the counter.  |
| <pre>Counter1: ON  -&gt; ok off      del</pre> |  | Store the setting .<br>(--> Pressing the hatch key <b>displays the accrued call charges</b> . / "del" (Reset) <b>returns the counter to "0"</b> .) |

 The **performance feature "Call Charge Unit Transmission"** must be requested from and activated by your provider.

The display of accrued call charges must not necessarily coincide with the sum of your **telephone billing**.

The **INFORMATION** menu-group (refer to page 32) informs **you of the counter status** (charges, units, and the sum of multiple counters).

A call charge counter can only be installed for the **MSN entered** in the smar-tel-i (refer to the chapter *Installing MSNs* on page 9).

Due to technical reasons, call charges that originate from an **automatic call-back "when busy"** are always added to the MSN1 call charge counter.

If a **working MSN is not selected** prior to calling, the call charge units are automatically added to the MSN1 call charge counter.

If a **counter is disabled**, the status of its call charge is automatically lost.

**On the other hand, when operating an AUERSWALD PBX, call charges can be separated by using the business and private exchange line accesses (refer to the PBX user manual).**

## 5. 5. 4 Charge Rates

The charge rate determines the cost per call-unit and at delivery is factory set for each country. For Germany e.g. the charge rate is set at DM 0.12 and it can be varied in a range between

DM 0.12 and DM 9.99; the currency may be changed as well.

### Example: Set a charge rate of DM 0.20.

```
Chargeunit:DM  0.12
change      next
```

change  


Search for the function under the menu-group **PHONE-INSTALLATION** (refer to page 31).

Open the menu.

```
PIN Input:  _
ok
```

 ok  


Enter a 4-digit PIN ("0000" factory default setting) and confirm.

(**Inputting Numbers:** refer to page 32).

```
Chargeunit:DM  0.12
ok
```



Enter the desired rate per call charge unit.

(**Inputting Numbers:** refer to page 32).

```
Chargeunit:DM  0.20
ok
```

ok  


Store the setting.

### Example: Change the currency from DM to EURO.

Search for the function under the menu-group **PHONE-INSTALLATIONS** (refer to page 31).

```
Currency: DM
change   next
```

change  


Open the menu.

```
Currency:  DM_
ok      A>a del
```



Delete the old currency and enter the new currency.

(**Inputting Text:** refer to page 33).

```
Currency:  EURO_
ok      A>a del
```

ok  


Store settings.

 If the charge rate is changed, the costs registered for the **MSN and the total call charge counters** are then reset to zero.

The charge rate can be separately set for smar-tel-i and the **AUERSWALD PBX call charge function** (refer to the PBX user manual). The telephone setting applies only to the call charge display during a call, and to the total and the MSN call charge counters. Setting the PBX differently is useful when smar-tel-i is used as a customer phone with a higher rate (for example, a hotel). smar-tel-i then shows the amount that the customer must pay while the PBX shows the costs that actually accrue.

The following section shows you ways of protecting yourself against unexpectedly high telephone bills and the unauthorized use of your smar-tel-i.

### 5. 6. 1 User Accounts

If several persons have access to your smar-tel-i, yet only certain persons are authorized to use it, you can manage this situation by installing user accounts. smar-tel-i accepts up to four user accounts (allowance accounts). A four-digit account number is issued for each user account and must be input by the individual authorized to use the account prior to dialing a telephone number. (Refer to the chapter *Dialing with an Installed Users Account* on page 28). Additionally, a credit is made available for each user account.

Individuals, who have not been authorized a users account can use the telephone in a very limited manner only. They can receive calls and dial emergency and special-emergency numbers. If the credit of a user account is depleted, the account-authorized individual can no longer initiate a phone call. In order to initiate a call, this account must maintain a minimum credit of two call charge units. **If credit is depleted during a call, then the call is suspended.**



The **call charge unit factor** must **NOT be set at DM 0,00!**

In order to set up a user account, the following **data must be completely entered**: the name of the account user, a four-digit account number and a credit (maximum DM 999,99). Afterwards you can change any of these data at any time. Deleting the name of an account user or an account number also deletes the entire user account.

User accounts can only be correctly managed if the performance feature **AOCD** (Advice of Charge During the call) is requested from and **activated** by your provider.

If user accounts have been installed in the telephone and you want to authorize an individual to call **internally** only, then this can be realized by setting up an account with a credit of two call charge units. As long as only internal calls are made on this phone, the credit will remain unused.

The **INFORMATION** menu-group (refer to page 32) provides the following information **for accounts that have been installed**: the number of call units already used, the name of the account-authorized individual, and the amount of credit still unused.

For user accounts, a call can **not be parked**.

A **direct call can not** be made on a user account phone, and conversely a user account can not be used for an installed direct call.

A **user account can be deleted** by deleting the name or the account number of the user.

If you have chosen a **new provider** (e. g. over "010..." call charges are not currently transmitted. The account is therefore inactive. However, you do have the option of disabling such numbers (refer to the ensuing chapter).

It is possible to install a **call charge account for each subscriber telephone** on your **AUERSWALD PBX** (refer to the PBX user manual). If you enter a credit there as well, then it should not be smaller than the sum of your smar-tel-i user account credits in order to avoid limiting this credit sum.



## 5. 6. 2 Blocked (Disabled) Numbers

With the use of disabled numbers, telephone numbers can be blocked, preventing them from being called. smar-tel-i accepts up to nine blocked numbers with a maximum of five digits. For example, calling foreign numbers or information can be prevented by disabling the numbers "00" for foreign calls or "0190" for information.

**Example: Block (disable) the dialing of all telephone numbers beginning with the number "0190".**

```
Restricted Numbers 0
change next
```

change  


Search for the function under the menu-group **SETTINGS** (refer to page 31).

The current number of existing blocked numbers is shown.  
Open the menu.

```
PIN Input: _ _ _ _
ok
```

 ok  


Enter a four digit PIN ("0000" Factory default setting) and confirm.  
(**Inputting Numbers**: refer to page 32).

```
Restr.-No1: _ _ _ _
ok del
```



Enter the first blocked number (a maximum of five digits).  
(**Inputting numbers**: refer to page 32).

```
Restr.-No1: 0190_
ok lös ch
```

ok  


Store the blocked numbers.

 A blocked number can not be entered if it is already being used as a **special emergency number** or as a **direct call telephone number**.

In order to **change** a blocked number, that entry must be deleted and the new entry must be input.

The blocked number **that has been entered** can be seen using the **INFORMATION** menu-group (refer to page 32).

When **operating a PBX**, the **exchange line access code** must also be entered in some instances You can determine whether this is necessary in your case by reading the chapter *Alternatives for Initiating Exchange Line Access* on page 35. Please observe in this regard that a telephone number can also be dialed with the **private or targeted exchange access**.

Be aware that a blocked number can be dialed using a private provider (for example, a telephone number beginning with "010..."). Therefore, these numbers should be blocked as well.

In addition to the nine blocked numbers of your telephone, the 10 blocked numbers of your AUERSWALD PBX can also be used (refer to the PBX user manual).

Be aware that an **unabled number entered in the AUERSWALD PBX** has no influence over the nine blocked numbers in smar-tel-i.

### 5. 6. 3 Direct Calling / Babyphone

In order to be able to dial automatically when directly connected to the network terminal (i.e. when not using a PBX), smar-tel-i has a direct-call function. When you enable direct call on your smar-tel-i, the direct call number entered will be **automatically dialed after picking up the receiver and pressing any key** (for example, this allows a small child to dial without assistance in an emergency). As long as the direct-call function is enabled, only the telephone number that has been entered can be called. It is not possible to initiate another call. If the direct call is enabled, the middle LED signals green and the display shows the text "Direct Call".

#### Example: Enable a direct call / babyphone to the telephone number 0172 445678.

Search for the function under the menu-group **SETTINGS** (refer to page 31).

```
Babyphone OFF
ok change next
```

change  


Open menu.

```
No. :
ok change
```

change  


Initiate entering the direct call number.

```
No. : _
ok del
```

 ok  


Input the direct-call telephone number and store.

(**Inputting numbers:** refer to page 32).

```
No. : 01724445678
ok change
```

ok  


Change to On/ Off.

```
Babyphone OFF
ok on
```

on  


Switch Direct Call to On.

```
Babyphone ON
ok off
```

ok  


Store the setting.

 When you disable Direct Call, you do not necessarily have to delete the telephone number you have entered. Simply confirm with "ok." In order to enable Direct Call the next time, you only need to switch it to "On".

A direct-call number may not be input as a **blocked (disabled) number**.

If a **user-account** is installed, a **direct call** is **not** possible.

If **blocked (disabled) dialing** is activated, a direct call is not possible.

When blocked (disabled) dialing is activated, calls can still be received without limitation.

In some cases when operating a PBX, the exchange access code must also be entered. You can determine whether this is required in your case by reading the chapter *Alternatives for Initiating Exchange Line Access* on page 35.

**If you are operating an AUERSWALD PBX, please use the PBX function “Immediate connection without dialing” instead of this telephone-integrated function. (Refer to the PBX user manual).**

### 5. 6. 4 Disabling the Dialing Function

Disabled Dialing almost completely blocks dialing with smar-tel-i. Calls **can be received** but **no call can be initiated** except for the emergency numbers and the special emergency numbers if installed. (Refer to the chapter *Special Emergency Calls* on page 51).

If dialing is disabled, the middle LED signals green and in the display over the right soft key, the word PIN appears. In addition, any attempt to dial a number prompts the message “Blocked Dialing.”

#### Example: Activate blocked dialing on the smar-tel-i.

Search for the function under menu-group **SETTINGS** (refer to page 31).

```
Dial Lock OFF
change      next
```

change  


Open the menu.

```
PIN Input:  _
ok
```

 ok  


Enter a four-digit PIN (“0000” Factory default setting) and confirm. (**Inputting Numbers**: refer to page 32).

```
Dial Lock OFF
ok  on
```

on  


Activate blocked dialing.

```
Dial Lock ON
ok  off
```

ok  


Store the setting

#### Example: Deactivate blocked dialing on the phone.

```
13.12.97 14:15
--> PIN
```

PIN  


The display is inoperative when blocked dialing has been activated. Initiate entering the PIN.

```
PIN Input:  _
ok
```

 ok  


Enter a four-digit PIN (“0000” Factory default setting) and confirm. Following the menu in order to deactivate (see above). (**Inputting Numbers**: refer to page 32).

## 5. 6. 5 Special Emergency Calls

In addition to the default emergency numbers, smar-tel-i accepts two special emergency numbers which can be dialed even when dialing is blocked or a user account has been installed and the valid account is not available.

**Example: Enter the number of “Daddy’s Office” as the 1<sup>st</sup> special emergency number.**

```
Spec. Emergency No. 0
change next
```

change  


Search for the function under the menu-group **PHONE-INSTALLATIONS** (refer to page 31).

The number of special emergency call numbers that are currently stored is displayed. Open the menu.

```
PIN Input: _ _ _ _
ok
```

ok  


Enter a four-digit PIN (“0000”) (**Inputting Numbers:** refer to page 32).

```
E1: EMPTY
change next
```

change  


Initiate entering the first special emergency phone number.

```
E1: _ _ _ _
ok del
```



Enter the special emergency phone number. (**Inputting Numbers:** refer to page 32).

```
E1: 47110815_
ok del
```

ok  


Change to the mode for entering names.

```
Name: _ _ _ _
ok A>a del
```



Enter the desired name. (**Inputting Text:** refer to page 33).

```
Name: office_
ok a>A del
```

ok  


Store the settings.

 The special emergency numbers that have been entered can be seen in the **INFORMATION** menu-group (refer to page 32).

In some cases **when operating a PBX**, the **exchange access code must also be entered**. You can determine whether this is required in your case by reading the chapter *Alternatives for Initiating Exchange Line Access* on page 35.

Be sure that limited exchange access programmed in your **AUERSWALD PBX** does not interfere with dialing a special emergency number that has been entered in smar-tel-i.

For example, if you use the emergency call priority setting of your **AUERSWALD PBX** with the emergency call abbreviated dialing numbers (110-119), then it is advisable to enter two of these emergency call abbreviated numbers (111, 113-119) as special emergency call numbers in smar-tel-i. Also, be aware that the default numbers in smar-tel-i are no longer valid as soon as the factory default settings of the abbreviated dialing numbers have been changed in the PBX.

## 5. 6. 6 Securing the Set-Up

By keeping the PIN confidential (refer to the chapter *Changing the PIN* on page 53), you already have the possibility of protecting certain settings from being changed or deleted. Securing the set-up by enabling “Set-Up Lock” protects all smar-tel-i settings from unauthorized programming. For example, in this manner you can prevent changes or entries to the telephone book.

If “Set-Up Lock” has been enabled, then the  key functions in a manner that is limited as noted below:

- Parked calls can be departed.
- The telephone book mode only permits paging and selecting a number for dialing.
- The INFORMATION menu can only be paged through.
- The “set-up lock” can be disabled (a PIN entry is necessary).

If “Set-Up Lock” has been enabled, the middle LED signals green and the  symbol appears in the display.

### Example: Enable the “Set-Up Lock” function for smar-tel-i.

Search for the function under the menu-group **SETTINGS** (refer to page 31).

```
Set-Up Lock OFF
change      next
```

change  


Open the menu.

```
PIN Input:  _
ok
```

 ok  


Enter a four-digit PIN (“0000” Factory default setting) and confirm. (**Inputting numbers**: refer to page 32).

```
Set-Up Lock OFF
ok   on
```

on  


Enable Set-Up Lock.

```
Set-Up Lock ON
ok   off
```

ok  


Store the Setting.

### Example: Disable the “Set-Up Lock” function for smar-tel-i.

```
13.12.97  ?  14:15
--> List
```



The display reverts to a non-working status when “Set-up Lock” is enabled.

Search in the menu for “Set-up Lock ON.”

```
Set-Up Lock ON
change      next
```

change  


Open the menu.

Follow menu instructions to disable the function (see above).

 The **macro keys or targeted dialing keys** can be used without interruption.

## 5. 6. 7 Changing the PIN

The PIN (Personal Identification Number / factory default setting “0000“ ) is a four-digit confidential number which is designed to protect the following settings in smar-tel-i from unauthorized modification:

|                                 |                              |
|---------------------------------|------------------------------|
| Exchange Access Code,           | User Account,                |
| Blocked Set-Up,                 | Blocked (Disabled) Numbers,  |
| Deletion of all settings,       | Deleting the Telephone Book, |
| Installing MSNs,                | Changing PINs,               |
| Special Emergency Call Numbers, | Charge Rate Units.           |
| Blocked (Disabled) Dialing,     |                              |

### Example: Change a PIN.

Search for the function under the menu-group **PHONE INSTALLATIONS** (refer to page 31).

```
Change PIN?
yes         no
```

yes

Open the menu.

```
Old PIN:   _
ok
```

ok

Enter the old four-digit PIN (“0000“ Factory default setting) and confirm.  
**(Inputting Numbers:** refer to page 32).

```
New PIN:   _ del
ok
```

ok

Enter the new PIN and confirm.  
**(Inputting Numbers:** refer to page 32).

```
Repeat PIN: _ del
ok
```

ok

In order to assure correct input (typing errors!), enter the new PIN again and reconfirm.

 If you have **forgotten** your **PIN**, it can **only** be recovered with the help of the operator program using your **AUERSWALD PBX**.

## 5.7 Protection from Intruding Calls

Whether or not you decide to accept an incoming call can be determined by a glance at the display showing the caller's number. Sometimes however just ringing of the telephone is disturbing. If this is the case, ringing can be stopped with the "Ringer Muting" function; or a selected group of potential callers can be allowed to be switched through with the function "Call-Filter ACCEPT."

For telephone numbers of callers that you do not want to accept, you can install the function "Call-Filter REJECT."

### 5.7.1 Muting the Ringer / Do Not Disturb

The Ringer Muting function switches-off the smar-tel-i ringer. However, the display continues to show incoming calls. Those calls not accepted are entered in the call list (in the factory default setting, this function is disabled).

You can, of course, continue to call with your telephone.

If Ringer Muting is switched-on, the middle LED signals green, and the information text "Do Not Disturb" appears in the display.

**Example: Turn-off the ringer temporarily so that smar-tel-i does not ring.**

Search for the function under the menu-group **USEFUL APPLICATIONS** (refer to page 31).

```
Do Not Disturb OFF
change next
```

change  


Open the menu.

```
Do Not Disturb OFF
ok on
```

on  


Activate "Ringer-Muting".

```
Do Not Disturb ON
ok off
```

ok  


Store the setting.

 Alternatively, "Call Protection" for given subscribers can also be activated in your AUERSWALD PBX rather than using the smar-tel-i function (refer to the PBX user manual). In emergencies, internal subscribers can then reach you with an urgency call; but exchange subscribers can no longer call your smar-tel-i, and entries are no longer made in the call list. Activating and deactivating call protection can be done with a smar-tel-i macro key after it has been properly programmed. (Refer to the chapter *Placing Exchange Functions on Macros (only AUERSWALD PBXs)* on page 67).

## 5.7.2 Screening calls

Using the Call-Screening function, you can reject (or accept) incoming calls from selected subscribers, **assuming that these subscribers transmit their telephone numbers**. A maximum of five screened numbers can be entered. These may then **all be blocked** (smar-tel-i can not be reached by these callers) or they **may all be accepted** (smar-tel-i can **only** be reached by calls from these subscribers).

The filter can be deactivated without having to delete the filter numbers. If the call-screening function is activated, the middle LED signals green and the display shows the symbol  (filter action accept) or  (filter action reject).

**Example: Install the filter number “030 87654321” as “filter action reject,” so that smar-tel-i does not ring when this number is calling.**

Search for the function under the menu-group **SETTINGS** (refer to page 31).

```
Call Screen OFF
change      next
```

change  


Open the menu.

```
S1
ok  change
```

change  


Initiate entering the filter number.

```
S1:
ok      del
```



Enter the first filter number with the **area code**.

(**Inputting Numbers**: refer to page 32).

```
S1:03087654321_
ok      del
```

ok  


Store the filter number.

```
S2
ok  change
```

ok  


Terminate the enter mode.

```
Call Screen OFF
ok  allow  block
```

block  


Press the soft-key under “block” so **that ringing is blocked for** incoming calls of the number entered.

(If your smar-tel-i is to ring **only** when this **number calls**, then press the soft-key under “allow”).

```
Call Screen blocked
ok  allow  off
```

ok  


Store the settings.

 The **area code must always be entered** as well, otherwise the telephone number can not be recognized due to technical reasons.

In some cases when operating a **PBX**, the exchange access code must also be entered. You can determine whether this is required in your case by reading the chapter *Alternatives for Initiating Exchange Line Access* on page 35.

## 5.8 Enabling / Disabling ISDN Functions

If you have requested from your provider the ISDN services and functions described in the following sections and if they have been enabled, you can decide in each case if you would like to use any given service with your smar-tel-i.

### 5.8.1 Activating / Deactivating Call-Waiting

If you do not want to be disturbed by incoming calls, this function can deactivate call-waiting on your smar-tel-i. In the factory default setting, Call-Waiting is enabled (refer to the chapter *You Have a Call-Waiting Signal* on page 25).

#### Example: Disabling Call-Waiting (deactivating).

Search for the function under the menu-group **USEFUL APPLICATIONS** (refer to page 31).

```
Call Waiting ALLOW
change next
```

change  


Open the menu.

```
Call Waiting ALLOW
ok off
```

off  


Deactivate Call-Waiting.

```
Call Waiting OFF
ok allow
```

ok  


Store the setting.

 The **performance feature “Call-Waiting“ (CW)** must be requested from and activated by your provider.

In order to function, Call-Waiting **must also be enabled in the Auerswald PBX.**

### 5.8.2 Enabling / Disabling the Exchange

Since as a rule switching a call is not possible with a direct connection to the network terminal (i.e. operating without a PBX), switching a call in smar-tel-i is disabled in this operative configuration. After replacing the receiver during a consultation call, you will hear short, sequential rings for a period of eight seconds. smar-tel-i is signaling that a subscriber is still waiting on hold. Please pick-up the receiver. You are then connected again with the caller and the call can be terminated as usual.

If you connect your smar-tel-i to a PBX, then switching a call with this function can be activated. (Please follow the instructions of the PBX user manual).

### Example: Activate the “Switching” function.

Search for the function under the menu-group **USEFUL APPLICATIONS** (refer to page 31).

```
Call Transfer OFF
change      next
```

change  


Open the menu.

```
Call Transfer OFF
ok         on
```

on  


Activate switching.

```
Call Transfer ON
ok         off
```

ok  


Store the setting.

 **If you are operating an AUERSWALD PBX, switching is always automatically activated in order to completely utilize all PBX functions.**

### 5. 8. 3 Deleting Call-Back “When busy”

With smar-tel-i operating directly on the EURO-ISDN network terminal, you can view and delete in the switching location the “Completion of Calls to Busy Subscriber” (CCBS) that you have installed with smar-tel-i (refer to the chapter *Initiating a Call-Back* on page 18).

#### Example: Delete in the switching location a call-back for the number “030 555222.”

Search for the function under the menu-group **USEFUL APPLICATIONS** (refer to page 31).

```
Call-backs active 2
ok              next
```

ok  


The number of active call-backs is shown.  
Display the first call-back number.

```
C: 03087654321
del           next
```

next  


Display the next call-back number.

```
C: 030555222
del           next
```

del  


Delete the call-back number displayed.

 **A maximum of three call-backs** can be activated **simultaneously** .

**When operating an AUERSWALD PBX, this function is not available. However, an external call-back will be automatically deleted from the switching location after 45 minutes.**

## 5. 8. 4 Call Number Display

The ISDN network offers the option of displaying the telephone number of an incoming call under the heading of “Calling Line Identification Presentation“ (CLIP). When you call someone else, your **own** telephone number (MSN) is displayed to the party accepting the call; and conversely, the telephone number of a **party calling** you is displayed with the incoming call to your telephone.

You can decide at any time whether you want to use this feature:

- If you do not want to view the telephone number of a caller, switch off the function “display the callers’ telephone number“.
- If you want to prevent the transmission of your own MSN to the party you are calling, switch off the function “Calling Line Identification Restriction“ (CLIR).

Both features for displaying telephone numbers are activated in the factory default setting at delivery.

### Example: Restrict / switch off the transmission of your own telephone number.:

Search for the function under the menu-group **PHONE-INSTALLATIONS** (refer to page 31).

```
Caller-ID Display
ok                next
```



Open the menu.

```
Show Own ID ON
ok  off
```



Deactivate the display of your own telephone number.

```
Show Own ID OFF
ok  show
```



Store the setting.

```
Show Own ID OFF
change next
```

If you want to **change the display of the callers’ number** on your telephone, press the soft-key under “next“.

 Displaying your own telephone number at the phone of the party being called can also be **restricted / or allowed on an individual basis** (refer to the chapter *Non-display of MSN for Ensuing Calls* on page 28).

When **operating an AUERSWALD PBX**, your “own“ number is not the one entered in smar-tel-i as an MSN (e.g. 41), but rather the MSNs entered in the PBX of your ISDN terminal.

You also have the option of **restricting** the display of your “own“ telephone number **with the help of the PBX function** (refer to the PBX user manual). If you use this function, the telephone number will always be restricted in any case.

The **performance features** “**Calling Line Identification Presentation**“ (**CLIP**), and “**Calling Line Identification Restriction at the B-Subscriber**“ must be requested from and activated by your provider.

## 5. 8. 5 Malicious Caller Identification

When operating on the network terminal of your Euro-ISDN connection “Malicious Caller Identification“ allows you to have the switching location determine the telephone number of a malicious caller. The following requirements must be met:

- The “Malicious Caller Identification“ feature (MCID) must be requested from and confirmed by your provider.
- The “Malicious Caller Identification“ function must be activated in your smar-tel-i.
- One of the targeted dialing keys (M1) through (M6) must be installed as the “malicious caller identification“ key. In order to catch a malicious caller, press this key during the call or up to 30 seconds after replacing the receiver.

### Example: Activate the “Malicious Caller Identification“ function.

Search for the function under the menu-group **USEFUL APPLICATIONS** (refer to page 31).

```
Trace Caller OFF
change next
```

change  
○

Open the menu.

```
Trace Caller OFF
ok on
```

on  
○

Activate “Malicious caller identification“.

```
Trace Caller ON
ok off
```

ok  
○

Store the setting.

### Example: Put the “Malicious Caller Identification“ function on the target dial key (M6) .

```
13.08.97 14:15
--> MSN
```

(M6)

Select the target dial key.

```
M6:
ok change
```

change  
○

Open the menu.

```
M6: _
ok < > del
```

← \* ← \* 1

Enter the following symbols.  
(**Inputting Numbers**: refer to page 32)

```
M6: **1_
ok < > del
```

ok  
○

Store the setting.

The programming of the **target dial key** can not be changed until the “Malicious Caller Identification“ function has been deactivated.

**This function is not available when operating an AUERSWALD PBX.**

## 5. 8. 6 Call-Forwarding

This function allows you to switch a call from your smar-tel-i to another internal extension or to an external subscriber. Based on this procedure, call-forwarding switching can be installed in your Auerswald PBX (refer to the PBX user manual).

### ISDN has three kinds of Call-Forwarding:

|                           |  |
|---------------------------|--|
| “Unrestricted“ (CFU):     | The call is immediately forwarded.   |
| When “Busy“ (CFB)         | The call is forwarded only when the phone is busy.                                   |
| When “No Response“ (CFNR) | If the phone is not answered within a given time period, then the call is forwarded. |

**Example: Forward all smar-tel-i calls to the external telephone number “01724445678“.**

Search for the function under the menu-group **SETTINGS** (refer to page 31).

```
Call Forwarding OFF
ok                next
```



Open the menu.

```
F1 OFF
? change        next
```



Prepare to change the setting.

```
F1 OFF
ok inst delay busy
```



Set Call-Forwarding.

```
F1 INSTANTLY
ok off delay busy
```



Initiate the entering of a call-forwarding target number.

```
No.: _
ok                del
```



Enter the forwarding target (including area code).  
(**Inputting numbers**: refer to page 32).

```
No.: 001724445678_
ok                del
```



Activate the entering of the settings.

```
Processing...
```

Display shows that settings are being registered in the PBX.

```
F1 INSTANTLY 0017244
? change        next
```

The specific setting is displayed.

 When **call-forwarding has been installed**, the middle LED signals green and the display shows the  symbol.

When **call-forwarding is deactivated**, the forwarding target remains intact. If you wish to forward calls always to the same telephone number, you may simply activate or deactivate this function. This switching on-and-off can be placed on a macro key to simplify the procedure (refer to the chapter *Placing Exchange Functions on Macros (only AUERSWALD PBXs)* on page 67).

If you wish to forward your calls to an external telephone number, then you must also enter the **exchange access code**.

If you wish to forward one of the MSNs of your ISDN connection, then this can be accomplished with the help of the PBX "**MSN/DDI Call-Forwarding**" (refer to the PBX user manual).

If you do **not** operate your smar-tel-i with an **AUERSWALD PBX**, but rather connect it directly to the network termination of your EURO-ISDN interface, then the performance feature "Call-Forwarding" must be requested from and activated by your provider.

Every telephone number (MSN) that you have entered in your smar-tel-i can be separately forwarded to another external telephone number. Pressing the soft-key under "?" displays which MSN is being forwarded with the respective diversion.

## 5.9 Memory Functions

The appointment reminder and memo functions can be used in order to remind yourself and others of important appointments or to leave a message.

### 5.9.1 Memo-Leaving a Message in the Display

You can leave a short message on the display of your smar-tel-i with the “Memo” function (with a maximum of 20 characters). In a non-working state, the first line of the display then shows a message instead of the time and date.

**Example: Store the message “I am at Adrian’s.”**

Search for the function under the menu-group **USEFUL APPLICATIONS** (refer to page 31).

```
Memo OFF
change next
```

change  


Open the menu.

```
Memo OFF I am _
ok on a>A del
```



Enter the text.  
(**Inputting text:** refer to page 33).

```
o OFF I am at work!_
ok on a>A del
```



Activate message display.

```
o ON I am at work!_
ok off a>A del
```



Store the setting.

```
Memo ON I am at wor
change next
```



Displays reminder of text.

 The display can be **turned off** without having to delete the text.

### 5.9.2 Appointment Reminder

smar-tel-i accepts programming for up to three appointment reminders. A one-time only appointment reminder rings at the time / date that you set. A daily appointment reminder rings daily at the same time. If the reminder should no longer be in effect for the following day, then it must be deleted using the APPOINTMENT REMINDER menu.

An appointment reminder emits a pip-tone for 60 seconds unless you turn it off by picking up the receiver or pressing a key. During this interval, the display either shows a memo (if it has been entered) or the message “Alarm”.

**Example: Enter an appointment reminder for the birthday of M. Beck for 15 August 97 at 00:05 AM.**

```
Wake-Up Calls 0
  change      next
```

change  
○

Search for the function under the menu-group **SETTINGS** (refer to page 31).

The number of currently existing appointment reminders is displayed.  
Open the menu.

```
W1:
ok  change /
```

change  
○

Initiate the entering of the appointment reminder.

```
W1 Time:      14:15
ok           del
```



The current time is displayed.  
Enter the time for the appointment reminder (00:00 until 23:59).  
**(Inputting Numbers:** refer to page 32).  
Pressing the soft-key under “del” deletes the time that is displayed.

```
W1 Time:      00:05
ok           del
```



Change to the mode for setting the date.

```
W1 Date:      13.08.97
ok  daily    del
```



The current date is displayed.  
Overwrite the date.  
(Pressing the soft-key under “del” again shows the current date.)  
(Pressing the **soft-key under “daily”** activates the **daily appointment reminder.**)

```
W1 Date:      15.08.97
ok  daily    del
```



Change to the mode for inputting text.

```
W1 Memo:      _
ok           A>a del
```

The text that is to appear with the ringing of the appointment reminder can be input here. A maximum of 20 characters can be entered.  
**(Inputting Text:** refer to page 33).

```
mo: Birthday M. Beck
ok           A>a del
```



Store the settings.

 Assure that your smar-tel-i shows the correct time.

If a one-time only appointment reminder is installed, the middle **LED** signals green. As long as a daily appointment reminder is installed, the top LED with the time icon signals green.

Your **AUERSWALD PBX** offers additional alarm alternatives (refer to chapter *Query Functions (only for AUERSWALD PBXs)* on page 65).

The DELETE menu offers you two possibilities:

- deleting the entire telephone book with all entries, or
- resetting all setting changes that have been programmed with smar-tel-i menu functions to the factory default status.

**Example: Return all settings that have been changed by smar-tel-i programming to the factory default settings.**

Search for the function under the menu-group **SETTINGS** (refer to page 31).

```
Reset
ok      next
```



Open the menu.

```
PIN Input:  -
ok
```



Enter a four-digit PIN (“0000“ Factory default setting) and confirm. (**Inputting numbers:** refer to page 32).

```
Clear Phone List?
ok      no
```



Answer question with no.

```
Clear Settings?
ok      no
```



Answer question with yes.

```
Reset ALL Settings?
no      yes
```



Delete all installations.

```
Are you sure?
yes     no
```



Re-confirm the deletion.

**Exceptions to the deletion of “installations“** are the telephone book, the macro / target dial keys and the query functions. The telephone book can be separately deleted as follows: at the query “Delete telephone book?“ press the soft-key under “yes“ instead of under “no“.

**Existing call-forwarding installations** are not deleted with this procedure.

## 5. 11 Query Functions (only for AUERSWALD PBXs)

With the “Query Functions” menu you have the option of querying settings that have been changed in your AUERSWALD PBX and also to change them in part. A list of possible actions follows:

- **Query the switching status of relays 1-3** and switch **relays 1-3 on or off** (if they have previously been installed as “universal relays”) (Subscribers require remote switching authorization for switching on or off. Refer to the PBX user manual).
- **Query, set or activate the subscriber wake-up time.**
- **Manually switch day / night operations, turn automatic day / night switching on or off; and query the times for automatic day / night switching** (Subscriber requires authorization for manual day / night switching. Refer to the PBX user manual).
- **Query call-charge sums and the status of user account call-charges of a subscriber** (displayed in DM).

**Example: Query and activate the times for automatic day / night switching.**

Select the **QUERY FUNCTIONS** menu (refer to page 31).

```
Query Functions
ok
```

ok  
○

Open the menu.

```
Relays 1
ok on < >
```

< >  
○

Page to the function “Day / Night Switching”.

```
Day / Night Switch
ok < >
```

ok  
○

Open the menu “Day / Night Switching”.

```
Day Operation/Manual
ok Night Auto Time
```

time  
○

Query the switching times that have been set.

```
Mon Tm 07:00 N12:30
ok Day 13:00 19:00
```

ok  
○

Change to the setting menu.  
(Using the soft-key under “Day” you can switch back and forth between the individual week days.)

```
Day Operation/Manual
ok Night Auto Time
```

Auto  
○

Activate automatic day / night switching (manual switching is also possible).

```
Day Operation / Auto
ok Night Manual Time
```

ok  
○

Store the settings.

**Example: Change the subscriber wake-up time to Mondays-Fridays / 15:30 and activate “Always wake”.**

Select the menu **QUERY FUNCTIONS** (refer to page 31).

```
Query Functions
ok
```



Open the menu.

```
Relays 1
ok on < >
```



Page to the function “Wake-up time”.

```
Wake-up time
ok < >
```



Open the menu “Wake-up time”.

```
A: Sat 22:45 Off
ok Day Time Type
```



Delete the time that has been set.

```
A: Sat --:-- Off
ok Day Time Type
```



Enter the time.

```
A: Sat 15:30 Off
ok Day Time Type
```



Select “Mo-Fr”.

```
A: Mo-Fr 15:30 OFF
ok Day Time Type
```



Select “always wake-up”.

```
A: Mo-Fr 15:30 Always
ok Day Time Type
```



Store the settings.

 Programming and switching with smar-tel-i are also subject to certain authorizations (e. g. remote authorization, programming switch to “Programming authorization”; refer to the PBX user manual).

## 5. 12 Programming Macro Keys

smar-tel-i has six macro keys, (M1) to (M6). Each key can assume a given function.

### 5. 12. 1 Placing Target Call Numbers on Macros

If you store a telephone number on a macro key, this key then functions as a target call key. Simply pressing the key dials the number.

**Example: Store the telephone number “08154711“ on the macro key (M1) .**

|   |   |   |
|---|---|---|
| <pre>13.12.97 14:15 --&gt; List</pre>     |  | Select the macro key.   |
| <pre>M1: ok change</pre>                  |  | Open the menu.  |
| <pre>M1: _ &lt; &gt; del</pre>            |  | Enter the telephone number.<br>( <b>Inputting numbers:</b> refer to page 32). |
| <pre>M1: 08154711_ ok &lt; &gt; del</pre> |  | Store the telephone number.   |

 In some cases when **operating a PBX**, the **exchange access code** must also be entered. You can determine whether this is required in your case by reading the chapter *Alternatives for Initiating Exchange Line Access* on page 35.

If the macro key selected **is already programmed with another function**, refer to another menu instead of the one described above. However, if you wish to program this key with a telephone number, the existing function must be overwritten as described in the next chapter.

### 5. 12. 2 Placing Exchange Functions on Macros (only AUERSWALD PBXs)

In the “Macro-key function“ menu, you are offered the option of selecting a switching or a query function from the AUERSWALD PBX in order to store it on a macro key. Then, pressing the key opens a small menu that informs you about the PBX status, and depending upon the function, allows changes in switching.

The following functions are available:

- Switching **Day / Night Operations** (Subscriber requires authorization for manual day / night switching, refer to the PBX user manual).
- Activate / Deactivate **protection from intruding calls**.
- Activate / Deactivate **call forwarding** (must be initially installed with the menu so that the target telephone number is available; refer to the chapter *Call-Forwarding* on page 60).

- Activate / Deactivate **Relays 1-3** (if available and installed as “universal switching relays”; subscriber requires remote switching authorization; refer to the PBX user manual).
- Query **user account status** in DM and in units (user account must be installed for subscribers; refer to the PBX user manual).
- Store **target call numbers** (as described in the previous chapter, a telephone number can be entered here; after storing with “OK”, you are returned to the “Macro-key Function” menu).

**Example: Place the function “Call-Protection” (Protection from Intruding Calls) on the macro key  $\textcircled{M6}$  :**

```
Macro Key Functions
Dial M1 - M6
```



Select the **MACRO-KEY FUNCTION** menu (refer to page 31).

Select the macro key.

```
M6:Target Call No
ok < >
```



Page to the desired function.

```
M6:Call Protection
ok < >
```



Store the selected function.

You may then immediately select a further macro key.

After selecting a macro key, its current function is displayed. Then you have three options:

1. You want to keep the function and confirm with “OK”,
2. You overwrite the function with another function,
3. You delete the function by selecting “delete” (then the key is no longer programmed and you can enter a target call number any time as described in the previous chapter).

Programming and switching with smar-tel-i is also subject to certain authorizations (e. g. remote switching authorization, program switch to “programming authorization”; refer to the PBX user manual).

**Example: Activate the  $\textcircled{M6}$  macro key “Call-Protection” that was previously programmed with that function.**

```
13.12.97 14:15
--> List
```



Press the macro key.

```
Call Protection Off
ok on
```



Activate the call protection.

```
Call Protection On
ok off
```



Store the setting.



The **changes** that you have made with smar-tel-i still remain intact.

If the phone is installed as “**Direct Exchange Phone**” in the AUERSWALD PBX, then an **exchange access code** is not entered as a prefix to the server telephone number.

If you do **not** operate your smar-tel-i with an **Auerswald PBX**, then an **exchange access code** is **not entered** as a prefix to the server telephone number.

### 5. 13. 2 Updating Other System Telephones (only for AUERSWALD PBXs)

For each other additional smar-tel-i that is connected to your AUERSWALD PBX, an update can be executed with an internal connection to a telephone having the newest version of the software in order to save telephone charges.

In this regard, you do not need to know which or if a telephone has the newer software. The AUERSWALD PBX automatically checks to see which smar-tel-i that is connected to it has the newest software.

The start and course of the update are for the most part exactly as described in the previous chapter except for the telephone number.

**Delete the server telephone number and enter the following program sequence: „7 P 971“.**

(P stands for the public password of the PBX (“2” as factory default setting). The number sequence is “7 2 971“, if the public password of the PBX has not been changed)

 You have the option of **automatically** starting this internal **software update from the PBX** (refer to the chapter *Automatically Starting smar-tel-i Software Updates* on page 72).

If the update is prematurely aborted with the message “Software is up-to-date“ then there is **no smar-tel-i connected with newer software**.

If two ISDN devices have **the same MSN**, the update can fail. Please change one of the MSNs or execute the update with the exchange.

For **further information** refer to the previous chapter.

## 5. 14 New AUERSWALD PBX Functions

The following chapter describes a few new operating and programming functions for your AUERSWALD PBX (ETS-4308 I or ETS-2204 I), which you can use if you operate one or more smar-tel-i's as system telephones on the internal S<sub>0</sub> bus.

### 5. 14. 1 System Telephone Speaker-Phones and Announcements (InterCom)

The smar-tel-i system telephone is equipped with an InterCom function.

This means that you can call a smar-tel-i from any extension phone of your AUERSWALD PBX and make an announcement in that room without the necessity of someone in the room actively accepting the call.

In addition to activating the speaker, smar-tel-i can also activate the microphone (hands-off telephoning), so that anyone in the vicinity can converse with you over the InterCom connection.

In order to operate the InterCom function on your system telephone, it must be authorized by the extension in question (refer to the following chapter).

#### Call a system telephone and use it for an announcement or to telephone hands-free:



for an announcement



extension number (e. g. 41)



dial tones



for speaking in a room.

or



for hands-off telephoning

 An announcement or hands-free telephoning is **limited to 120 seconds**. Then the connection is automatically terminated.

If your smar-tel-i is called with the InterCom function, the **middle LED blinks** and the display shows "InterCom" and the subscriber who is calling. After one ring, smar-tel-i accepts the call automatically. By pressing the soft-key under "OK" or by picking up the receiver, you can **initiate a normal call**.

### 5. 14. 2 Enabling / Disabling InterCom

If you would like to use the smar-tel-i InterCom function described in the previous chapter, it must be enabled for the respective extension.

#### Enabling / Disabling InterCom on a system telephone:



the designated phone



public password



1: enable / 0: disable

### 5. 14. 3 Automatically Starting smar-tel-i Software Updates

If you merely wish to execute the first software update (refer to the chapter *Software-Updates* on page 69), then the start of the updates for all the other smar-tel-i's can be left to the AUERSWALD PBX. The AUERSWALD PBX registers the new version number of the smar-tel-i and starts updating the other phones **serially** at an appropriate time in a half-hour rhythm. With the following program functions, you can activate / deactivate the automatic start and determine the start-time (e. g. at night because smar-tel-i does not support any telephone functions during updates). This function is deactivated in the factory default setting. In the event it is activated, the start-time has been set at 00:00.

#### Activate / Deactivate the Automatic Start Mode for Software Updates:



Programming phone



Private Password



1: On / 0: Off

#### Change the start-time for automatically executing updates:



Programming phone



Private Password



4-digit time: 00-23 (hours) and 00-59 (minutes)



If an **update is aborted** (e. g. due to failed transmission) and not restarted by the PBX, you may then find a telephone that no longer supports the telephone functions. In this case, you must restart the update yourself (refer to the chapter *Software-Updates* on page 69). If this update using an internal connection is not successful, then execute an update over the exchange connection externally to the server.

## 6 Appendix

In the Appendix you will find further important information about your smar-tel-i.

### 6.1 Factory Default Settings

At delivery, your smar-tel-i has been set as follows:

|                                 |  |
|---------------------------------|--|
| Appointment Reminder            | No Entries   |
| Blocked (Disabled) Dialing      | OFF  |
| Blocked (Disabled) Numbers      | No Entries   |
| Blocked (Secured) Set-Up        | OFF  |
| Call Number Display             | Own No.: Display / Callers' No.: Display                 |
| Call Charge Display             | ON   |
| Call-Forwarding                 | OFF  |
| Call-Screening                  | OFF  |
| Call-Waiting                    | AUTHORIZED   |
| Charge Rate                     | (country specific)                                       |
| Direct Calling / Babyphone      | OFF  |
| Direct Name Dialing             | OFF  |
| Emergency Call / Fire           | (can not be changed)                                     |
| Emergency Power Authorization   | OFF (slide switch in the direction of the receiver cord) |
| Exchange Code                   | NONE   |
| Malicious Caller Identification | OFF  |
| Melodies / Volume               | 1 / 3  |
| MSN                             | No Entry   |
| PIN (Password)                  | 0000   |
| Ringer Muting / Do Not Disturb  | OFF  |
| Special Emergency Numbers       | No Entries   |
| Switching                       | ON (OFF when operating on the network terminal)          |
| Telephone Book / Phone List     | 10 Entries   |
| Time / Date                     | --:-- / --:--  |
| User Account                    | A1-A4 Empty  |

### Performance Features of EURO-ISDN Connection (if activated)

- Call Waiting (CW)
- Conference with 3 Parties (3PTY)
- Calling Line Identification Restriction (CLIR)
- Call-Forwarding (CFB, CFNR, CFU)
- Automatic Call-back when busy (CCBS)
- Malicious Caller Identification (MCID)
- Terminal Portability (TP)

### Security Functions

- Emergency current at the exchange
- Direct call (Baby call)
- Three appointment alarms (once/ daily)
- Emergency number memory with priority
- Password security (PIN)
- Ringer Muting
- Call-screening for up to five numbers
- Nine blocked (disabled) numbers, five digits
- Telephone Lock (Blocked (disabled) numbers).

### Managing Call-charges

- Call charges counter per MSN, e.g. separation of business and private calls (when operating with an AUERSWALD PBX with internal S<sub>0</sub> port this feature is assumed by the PBX).
- Cost accounts for four users
- Various charge rates per unit can be set

### Telephone Book

- 100 entries, alpha-numeric with capital and lower-case lettering
- Six target telephone numbers programmable on function keys
- Telephone numbers with names
- Re-dialing (10 phone numbers/can be deleted)
- Call list (10 phone numbers with time & date)

### Display

- Two line LCD with 20 characters each
- Settings are shown in display as text\*
- Display time and date
- Display charges
- Display functions that can be activated by soft-keys

### Other Comfort-Features

- MFC dialing during a call
- Dialing corrections
- Dialing preparation
- Consultation / Switching with soft-key
- Eight melodies
- Three LEDs for daily appointment reminder, display of special settings
- Hands-off telephoning
- Phone speakers (volume adjustable)
- Microphone muting

### System Telephone Performance Features\*

- Display of call and extension (internal subscriber) status
- Display of door and switching functions
- Activating of extension and switching functions without complicated key combinations
- Four soft-keys for special situational functions required of a system telephone
- Automatic initializing and activation of system functions when turning on the PBX
- Six function keys freely programmable; can be used for target dialing or function procedures
- Automatic hands-off telephoning for internal calls can be programmed (InterCom)
- Announcements on the system telephone (InterCom)
- Automatic software updates with the PBX and copy-function for other connected system telephones

\* Functions relevant to system telephones that are only usable with AUERSWALD PBXs having an internal S<sub>0</sub> port.

## 6.3 Emergency Operation with the smar-tel-i

The smar-tel-i can also be operated during a power failure. It has emergency power priority when the slide switch for emergency power on the left side is positioned toward the rear in the direction of the display (refer to the overview-illustration at the front).

If smar-tel-i is not positioned to emergency power, it is not possible to use the telephone during a local power failure!

If you operate your smar-tel-i **on an AUERSWALD PBX**, you have two options for maintaining operations.

- ① PBX operations can be maintained for five hours during a power failure by using an uninterrupted power supply from Auerswald. You can then continue to telephone, both internally and externally. Four ISDN telephones (e.g. smar-tel-i) continue to be supplied on the internal bus. ISDN devices that have their own power supply are not functional in this case.
- ② You use an ISDN-AUTOSWITCH (Art.-Nr.: 90484). This switches a telephone that is set for emergency current during a power failure from the internal  $S_0$  bus to the network terminal of your EURO-ISDN interface. This telephone will then be supplied by the “emergency supply” of the switching station (only sufficient for one telephone). Telephoning internally with the PBX is no longer possible.

If your smar-tel-i is operated **directly on the network terminal** of your EURO-ISDN interface, current is supplied directly from the switching station during a local power failure. This “emergency supply” is only sufficient for one end-device per ISDN connection. Therefore only one end-device may be set for emergency current per ISDN connection. Then, only one telephone can be used that is being supplied with emergency current.

**If the smar-tel-i is operating under emergency conditions, the following functions are limited:**

- The display turns off after being approximately 30 seconds in a non-working state.
- Dialing is only possible by picking-up the receiver or after pressing the loudspeaker key (no dialing preparation).
- The time mode no longer functions. Accordingly, appointment calls are no longer possible. Additionally, the call list does not store time and date. After power has been restored, the time must be reset.

## 6.4 Technical Data

### Power Supply

Normal Operation: Idle State < 100 mW Active 380 mW 24...42 V

Emergency Operation: Idle State < 25 mW Active 380 mW 32...42 V

### ISDN

Connection: S<sub>0</sub> basic access as PTMP connection.

Protocol: DSS1 (Euro-ISDN)

### Environmental Conditions

Operation: +5°C up to +35°C

Transportation: -5°C up to +40°C

Storage: 0°C up to +35°C

### Miscellaneous

BZT-license: D 132 574 J / D 132 580 J (German documents)

Measurements (W/H/D): 175 / 90 / 190 mm

Weight: 730 g

Line connection ISDN: 4,0 m long; both ends IAE plug connector

Line connection receiver: 0,5 m long; coiled; both ends RJ plug connector

Technical changes are reserved

## 6.5 Safety Precautions

- Read the operating instructions carefully and save them for future reference. If questions arise, consult a qualified professional. Servicing should only be done by a qualified professional. In any case, do not open the equipment yourself.
- Prevent plug contacts from being touched by pointed, metallic or damp objects.
- Place the equipment on a base that is not slippery; it can be the case that paint and synthetic surface of some furniture are aggressive toward and do soften the synthetic equipment foot-supports. If this should occur, it is possible that undesirable marks may be left on furniture surfaces. The manufacturer can understandably not be held liable for such damages.
- Do not expose the equipment to continual sunshine or other sources of heat.
- Protect the equipment from dampness, dust, aggressive liquids and fumes.
- Do not expose the equipment to strong electromagnetic fields (electric motors, cellular telephones, TV, video, radio and household appliances. In such instances, speech quality can be impaired
- Join equipment connecting cables only to their designated sockets. Do not substitute connecting cable plugs.
- Do not carry the equipment by its connecting cables.
- Never use the telephone in wet rooms (bathrooms).
- Clean the equipment with a soft, damp, or anti-static cloth only. Do not use cleaning products or other chemical substances.

Ask your dealer about any questions you might have regarding your AUERSWALD equipment.

Through cooperation, schooling opportunities and continually updated information, the dealer has become our competent partner and yours.

Questions can be more quickly and precisely answered if you have already collected all necessary information such as, for example, the exact AUERSWALD equipment involved and how it is being used (as a system telephone or as a normal ISDN telephone).

You can answer many questions yourself by referring to the user manual. Outside of Germany, please contact our importer or the distributor in your area.

The AUERSWALD GmbH & Co. KG guarantees this product for 24 months from the date of purchase. If disturbances should occur during operation, please contact your dealer or supplier. We reserve the right to repair or replace defective products. Parts used in this regard are new or comparably new. Replaced parts become the property of AUERSWALD GmbH & Co. KG.

Excluded from this warranty are all damages incurred through improper handling, operator errors, misuse, external influences, voltage surges and lightening, product modification and changes or additions to the product. Furthermore, this warranty excludes all parts subject to normal wear (such as batteries, safety fuses, etc.) Also excluded are shipping damages, consequential damages and the cost of downtime and time in transit.

Warranty claims are invalidated by unauthorized repairs. This warranty will be implemented only upon presentation of a certified receipt (cash register receipt or invoice).

In case of repairs, send the equipment carefully packed (if possible with the original packaging and shipping container) with a detailed problem description, post paid to your dealer or directly to AUERSWALD (refer to the user manual cover for the address). Outside of Germany, please send the equipment to our importer or the distributor in your area.

Shipments sent without pre-paid freight or shipping charges cannot be accepted.

Please inform yourself about the conditions of repair before returning your equipment and include a telephone number where you can be reached for any questions that may arise. This will ensure that your equipment is quickly repaired and returned to you.

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