AGFEO

kommunizieren mit System

Value Added Phone ST 30

- Operation

Designated use

The value added phone ST 30 is intended for connection to an internal ISDN bus of an AGFEO ISDN telecommunications system.
You can connect the ST 30 to the following AGFEO ISDN telecommunications systems:

- AGFEO ISDN telecommunications systems Basic-Line plus AS 141 plus, AS 191 plus from software version 1.x

- AGFEO ISDN telecommunications systems Business-Line plus AS 33, AS 34 from software version 4.x

- AGFEO ISDN telecommunications system Profi-Line plus AS 40 from software version 3.x

Your authorised dealer can provide you with information on software upgrades.

AGFEO GmbH & Co. KG can accept no liability for damage or loss arising from use of the value added phone ST 30 for any other than its designated purpose.

Safety instructions

- Do not connect or unplug the cord of the ST 30 during a storm.
- Lay the cord of the ST 30 so that no one can step on it or trip over it.
- Make sure no liquid gets inside the telephone, otherwise it may short-circuit.

About this manual

This manual presents a concise guide to operation of the ST 30 and of the features offered by your AGFEO ISDN telecommunications system. For detailed descriptions of the features refer to the system manual.

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Value Added Phone ST 30

Four-line display

10 function keys and LEDs

Label strip

Loudspeaker underneath handset

Microphone

[1] ... [0] **Dial keypad** - Dial phone numbers and input data.

[*] [#] **Star and Hash keys**

[⇧] **Shift key** - Access the second level of function keys, to switch phonebook register (numeric/ alphabetical) and to switch between upper and lower case letters.

[→] **Set key** - Start and end programming.

[🔊] **Loudspeaker key** - Activate the loudspeaker and switch to handsfree operation. The key is illuminated when the loudspeaker is active.

[◄] [►] **Arrow keys** - To scroll through the display where there is more than one function.

[Clear] **Clear key** - Clear an entry.

[OK] **OK key** - Confirm inputs.

[Stop] **Stop key** - Cut a connection or cancel an action.

[📖] **Phonebook key** - Open the phonebook.

[↺] **Redial key** - Dial a recently dialled number.

[✉] **Mail key** - Display the call list. The key is illuminated when an entry is present.

[ ] **10 function keys** - Customisable with first or second level functions.

Installing and Cleaning the ST 30, Inserting the Label Strip

Location

Install your ST 30 at a suitable location. When installing, please note the following points:

- Do not install in locations where the telephone may be splashed by water or chemicals.
- Plastic feet of the telephone:
  Your appliance is designed for use under normal conditions. Chemicals used in the manufacture and care of furniture may deform the telephone's plastic feet, possibly resulting in unpleasant marks. Quite understandably, we cannot be held liable for such damage. We would therefore request that you place your telephone on a non-slip base, especially if it is positioned on top of new or varnished items of furniture.

Cleaning

You can clean your telephone quite easily. Please note the following points:

- Wipe the telephone down with a lightly dampened cloth or use an anti-static cloth.
- Never use a dry cloth (static could damage the electronics).
- Never allow damp to enter the appliance (switches and contacts may be damaged).

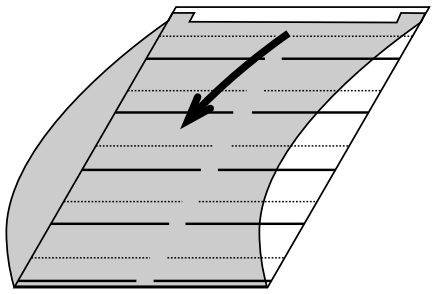
Inserting the label strip for the function

Insert a fingernail at the top between the window and the telephone case and pull the window down so that it bends.

Now you can withdraw it.

Insert the label strip. With the "TK-Set" configuration program you can print labels from a PC.

To refit the window slot it into the recess at the bottom, press it down to bend it and slot it in at the top.



Commissioning

Connecting the telephone

- Plug the Western connector into a slot on the ISDN connection of your AGFEO telecommunications system until it engages audibly in place
- To release the ISDN connecting cable press the retaining lug of the Western connector towards the connector body (using a small screwdriver if necessary) and at the same time pull out the connector by the cable.

Registering the internal number of the telephone

Two value added phones can be connected to each ISDN slot of an AGFEO ISDN telecommunications system (see page 2).

In configuration of the system, each value added phone - like every other terminal appliance - is assigned a primary internal number, and possibly also a secondary internal number, from the system's number stock.

This display appears briefly when you first connect up the ST 30.

```
ST 30 Digital
Logon

AGFEO Telecommunications
```

Then the assigned primary internal numbers of the two telephones are displayed, e.g. 11 and 12.
◄ ► Select the internal phone number you want, e.g. >11<

```
ST 30 Digital
Slot 0 Number >11<12

<> Select
```

OK Press "OK" to log the ST 30 on under the selected internal number.
The display goes out briefly, then the display shown here appears.

```
ST 30 Digital
Logon

AGFEO Telecommunications
```

Then the default display appears. The telephone is logged-on and ready to use.

```
17.May 1999        11:52
--
```

Note

If you need to change the assignment of the internal phone numbers, you can initiate the above logon function by pressing → 9 # 6.
If you disconnect a logged-on value added phone from the internal ISDN slot and subsequently reconnect it to the same slot, you do not need to log on again.
You will need to log the telephone on again if you connect it to a different slot.

Headset

The ST 30 value added phone has a separate connection (a Western socket) for a headset.
Recommended headsets (available from specialist retailers)

Vendor	Model		Vendor's order number
Plantronics	Supra Monaural Polaris	Model P51	32190-04
	Tristar	Model P81	33695-01
with	connecting cable	U10P	38058-01
GN Nordkom	Profile monaural		1861-15-03
	Optima NC monaural		1913-29-01
with	connecting cable		8800-00-01

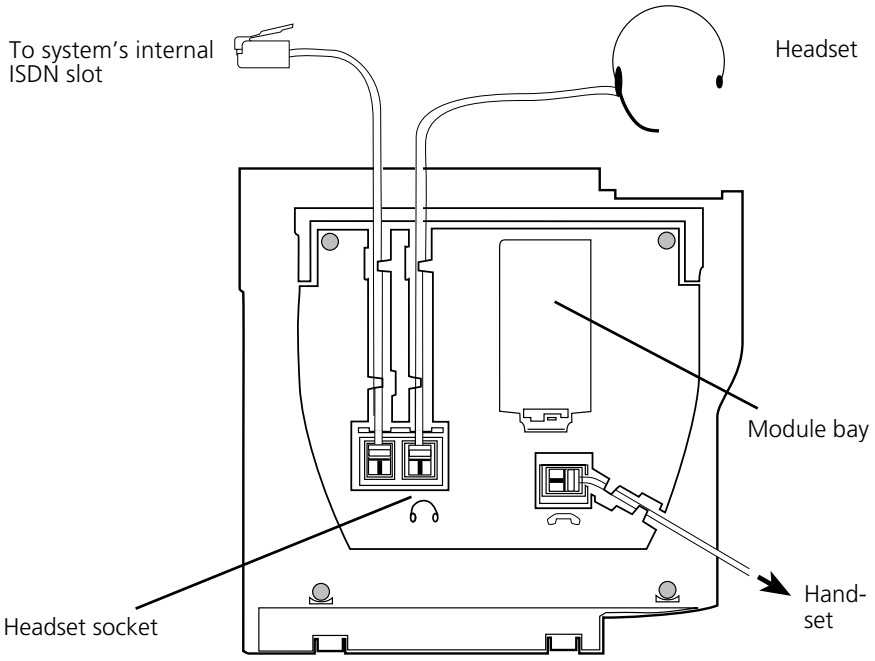
Connecting the headset

The Western socket for the headset is located on the underside of the telephone. It is identified by a headset symbol.

- Plug the headset connector into the socket until it engages audibly.-

- Route the headset cable in the cable channel on the underside of the telephone, to ensure strain relief.

- To unplug the headset cable press the retaining lug of the Western connector towards the connector body (using a small screwdriver if necessary) and at the same time pull out the connector by the cable.



Connections on the underside of the ST 30 value added phone

Programming the "Headset" function key

If you want to use a headset on the telephone, you will need to program one of the customisable function keys on your appliance as the "Headset" key.

→ 3 1 "set 31": Start programming.

Press the function keys whose functions you want to change (pressing the Shift key beforehand to change to the second level if necessary). The current function is displayed.

```
Select function
<  Units
OK MCID
>  Headset
```

◄ ► Use the arrow keys to scroll until the "Headset" function is on the "OK" line.

```
Select function
<  MCID
OK Headset
>  Headset
```

→ End programming.
The "Headset" function key is programmed.

Adjusting the headset volume

→ 2 6 Press "set 26" to adjust the headset volume.

```
Headset volume
3   Setting
1-5 Select
OK Store
```

Adjust the volume. Scale:
1 = very low
5 = very high

→ End programming.

Using the headset

On the value added phone you can use a headset instead of the handset when making calls. Instead of lifting and replacing the receiver, press the "Headset" function key each time.

Example: Answering a call
Your telephone rings.
- Press the "Headset" key to answer the call.
- Conduct your call.
- Press the "Headset" key to end the call.

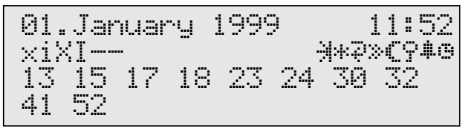
You can also use the
- dial preparation
- on-hook dialling
- open listening

functions of the value added phone in conjunction with the headset.

Telephone Display

The default display of the value added phone

Default condition
- The receiver is on-hook.
- Open Listening/Handsfree is inactive. The loudspeaker key is not illuminated.
- Your telephone is not being called.



1st line: **Date and time**

2nd line:

x	External ISDN connection. An outside line (one B-channel) is busy. The x flashes to indicate an external call.
X	External ISDN connection. Both outside lines (both B-channels) are busy.
i	Internal ISDN connection. A line (one B-channel) is busy.
I	Internal ISDN connection. Both lines (both B-channels) are busy.
–	Both B-channels of the ISDN connection (internal or external) are free.
	Reject Call Waiting
	Do-Not-Disturb on
	Diversion/ISDN Call Forwarding on
	Call Forwarding (call variant 3) on
	Call variant 2 (Night Service) on
	Telephone Lock on
	Alarm Call on
	Appointment Call on

3rd and 4th lines

Busy display for internal users (internal status)

Variant 1 - You have defined no internal user under Internal Status (set 29):
The primary internal numbers of the busy internal user, sorted numerically, are displayed (as shown in the example).
The internal phone number flashes as long as the internal user is being called.
The busy indicator displays up to 16 internal users.

Variant 2 - You have defined a maximum of 16 internal users under Internal Status (set 29):
The internal number of the busy internal user is displayed on the station on which it was defined.

– – – – The internal user selected for the internal status is free.

Programming with the Telephone

You can program your value added phone when it is in the default condition (receiver on-hook, Open Listening/Handsfree inactive) or in call condition. The programming is aborted as soon as you pick up the receiver, replace the receiver or press the "Loudspeaker" key. Anything you have not yet confirmed by pressing **$** is not stored.

If you do not press any key for one minute while in programming mode, the display switches back to its default condition.

Anything you have not yet confirmed by pressing **$** is not stored.

The menu guidance allows you to make key settings on your telephone and on the system quickly and easily.
The programming menu consists of a number of main menus, each giving access to several submenus. At the back of this manual you will find an overview of all the menus (see "Menu Tree").

Selecting a menu using the arrow keys

(→) Start programming mode.

Main menu - Code 1

Main menu - Code 4

(◄)(►) Use the arrow keys to scroll until the menu you want is on the "OK" line.

(OK) Open the selected main menu.
The submenus are listed.
Example:
Main menu - Code 8
Submenu
Submenu - Code 1
Submenu

(◄)(►) Use the arrow keys to scroll until the submenu you want is on the "OK" line.

(OK) Open the selected submenu.
Example: Number -> COLP

(⠿) Enter your setting.
"1": Switch off
"2": Switch on
The setting takes effect immediately.

(→) End programming.

```
Programming menu
<  Software version    #
OK Features            1
>  Phone setup         2
   Keys/Internal names 3
   Speed dial keys     4
   Central  numbers    5
   Charges menu        7
   ISDN features       8
   PABX                9
   Remote              *
   Software version    #
```

```
ISDN features          8
<  Number-> COLP       3
OK ISDN CF             1
>  Number->CLIP        2
```

```
Number->COLP
off
OK Switch off          1
>  Switch on           2
```

Selecting a menu by code digits

You can activate any main menu or submenu directly by way of code digits. The menu tree at the back of this manual presents an overview of the codes.

→	Start programming mode. Example: "Do-Not-Disturb" submenu Code 12 (1 - Main menu, 2 - Submenu)	Programming menu < Software versio # OK Features 1 > Phone setup 2
1	Code 1, Main menu - Features	Features 1 < Busy on Busy # OK Call variant 2 1 > Do-Not-Disturb 2
2	Code 2, Submenu - Do-Not-Disturb	Do-Not-Disturb < Secondary number 3 OK Prim.and sec.number 1 > Primary number 2
⊞	Enter your setting. Enter 1, 2 or 3.	
	Enter your next setting.	
→	End programming.	

Note

Confirm entries: OK Input is stored.

Select menu or function: ◄ ►
Scroll with arrow keys.
Clear entries: Clear Delete flashing input.
↑ Clear Clear entire input.

Single beep (error signal): You have pressed a key which is not permitted in this operation. Refer to the display to see what input is required, and try again.

Abort programming: Press Stop repeatedly. Anything you have not yet confirmed by pressing OK is not stored.

End programming: → (All entries are stored.)

If a call comes in while you are programming:
Lift the receiver. Programming is aborted:
- Everything you have confirmed by pressing OK is stored.
- Anything you have not yet confirmed by pressing OK is not stored.

Telephone Settings

→ 2 Main "Phone setup" menu

```
Phone setup          2
<  Phone setup       #
OK Ringer volume     1
 >  Ring tone        2
 >  Display contrast 3
 >  Automatic mike   4
 >  Loudspeaker volume 5
 >  Headset volume   6
 >  Phone code       7
 >  Charge display   8
 >  Status display   9
 >  Language         0
 >  Call list        *
```

Adjusting the ringer volume

◄ ► Select the "Ringer volume" submenu or press → 2 1.

Adjust the volume. Select on a scale from 1 (very low) to 7 (very high). You hear a brief sample of the new setting.

→ End programming.

```
Ringer volume
3   Setting
1-7 Select
OK Store
```

Adjusting the ring tone

◄ ► Select the "Ring tone" submenu or press → 2 2.

Adjust the ring tone. Select on a scale from 1 (very slow) to 7 (very fast). You hear a brief sample of the new setting.

→ End programming.

```
Ring tone
3   Setting
1-7 Select
OK Store
```

Adjusting the display contrast

◄ ► Select the "Display contrast" submenu or press → 2 3.

Adjust the display contrast. Select on a scale from 1 to 7. The contrast changes immediately.

→ End programming.

```
Display contrast
3   Setting
1-7 Select
OK Store
```

Automatically activating the handsfree microphone

The microphone switches on automatically when you receive an intercom voice message.

◄ ► Select the "Automatic mike" submenu or press → 2 4.

Adjust the microphone. Select 2 (on) or 1 (off).

→ End programming.

```
Automatic mike
off
OK Switch off          1
>  Switch on           2
```

Adjusting the loudspeaker volume

◄ ► Select the "Loudspeaker volume" submenu or press → 2 5.

Adjust the volume. Select on a scale from 1 (very low) to 7 (very high).

→ End programming.

```
Loudspeaker volume
3   Setting
1-7 Select
OK Store
```

Adjusting the headset volume

◄ ► Select the "Headset volume" submenu or press → 2 6.

Adjust the volume. Select on a scale from 1 (very low) to 5 (very high).

→ End programming.

```
Headset volume
3   Setting
1-5 Select
OK Store
```

Phone code

◄ ► Select the "Phone code" submenu or press → 2 7.

Enter the four-digit code or press Clear to clear the displayed code.

→ End programming.

```
Phone code
____

OK Store
```

Charge display

◄ ► Select the "Charge display" submenu or press → 2 8.

Set the charge display. Select 1 (off) or 2 (on).

→ End programming.

```
Charge display
off
OK Switch off          1
>  Switch on           2
```

Status display

◄ ► Select the "Status display" submenu or press → 2 9.

Set the status display. Select 1 (off) or 2 (on).
Example: 2 (switch on). The display switches.

```
Status display
off
OK Switch off          1
>  Switch on           2
```

```
Internal status
-- -- -- -- -- -- -- --
-- -- -- -- -- -- -- --
OK Store
```

Status display variant 1
(without selection of internal phone numbers) Press "OK" and "set". The third and fourth lines on the display show the primary internal phone numbers of the busy internal users in ascending numerical order (as in the example).
The internal phone number flashes as long as the internal user is being called. The busy indicator displays a maximum of 16 internal users.

OK →

```
01.January 1999    12:34
xi
13 15 17 18 23 24 30 32
41 52
```

Status display variant 2
(with selection of internal phone numbers) You can enter a maximum of 16 primary internal numbers of users whose internal status (busy or free) is of importance to you. You can use the arrow keys to place the internal number on the display. The position is reserved for this internal user.

◄ ►

End programming.

→

Example: Internal user 24 is free (--), internal users 13 and 32 are busy.

```
Internal status
24 -- 13 -- -- -- -- --
-- 32 -- -- -- -- -- --
OK Store
```

```
01.January 1999    12:34
xi
--    13
   32
```

Switching language

◄ ► Select the "Language" submenu or press → 2 0.

◄ ► Select the display language.

→ End programming.

```
Language
German
OK Englisch          1
>  German            2
```

Activating/deactivating the call list

◄ ► Select the "Call list" submenu or press → 2 *.

Enter a code digit or select the setting using the arrow keys.

"1": Switch off - External calls are not stored. Internal callers can log themselves in the call list by means of the "Entry in call list" procedure.

"2": Switch on - External calls are stored with the relevant name and number - with the name if held in the system phonebook.

"3": With name only - Only external calls are stored with the relevant names, if the name is held in the system phonebook.

→ End programming.

```
Call list
<  With name only    3
OK Switch off        1
>  Switch on         2
```

Call lists - Examples:

```
Call list        2 of 2
03098765432
from 19:15 FR 07.05.1999
1x to 23456789
```

```
Call list   1 of 2
ALPHA
from 08:24 MO 10.05.1999
2x to private
```

Setting line seizure

◄ ► Select the "Direct outward dial" submenu or press → 2 #.

Enter a code digit or select the setting using the arrow keys.
"1": Switch off - Deactivate direct outward dialling. Line seizure "0" is now active. Direct internal dialling.
"2": Switch on - Activate direct outward dialling (automatic line seizure). Internal dialling with #.

→ End programming.

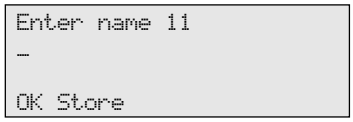
```
Direct outward dial
off
OK Switch off        1
>  Switch on         2
```

Entering user names

→ 3 2 — Select the "Enter name ..." submenu. Your primary internal phone number is displayed.

— Key in the name, with a maximum of 11 characters, by way of the keypad (see below).

→ — End programming.



Entering a name using the number pad:

The cursor flashes at the input position.

2 ··· 0 — Press the key on which the character you want to enter is labelled. If necessary, press the key repeatedly in quick succession to get to the character you want before the cursor automatically moves one position forward.

Example:
2 = A
22 = B
222 = C
2222 = 1

or

◄ ► — Move the cursor directly to the input position using the arrow keys. You can overwrite an existing character or delete it by pressing Clear.

△ — Press △ to switch between upper and lower case letters. The display shows ABC or abc respectively.

Clear — Delete characters from right to left.

△ Clear — Clear entire entry.

Date/time

The display of the date and time is controlled by the ISDN network. On installation of the system the date and time are automatically set when you make your first chargeable external call, and are then maintained by the system. The system time is balanced to the ISDN network clock every time you make a chargeable external call. This means the switch from Summer to Winter time and vice versa is also handled automatically.

Function Keys - Customisable Functions (Overview)

Function	LED	Explanation
Reject		Reject current call. Caller hears busy tone.
Reject Call Waiting		Deactivate Call Waiting tone. Caller hears busy tone. Special function keys programmable: - Reject Call Waiting function for calls on 1st internal phone number - Reject Call Waiting function for calls on 2nd internal phone number - Reject Call Waiting function for calls on 1st and 2nd internal phone number
Do-Not-Disturb		Deactivate tone ringer. Special function keys programmable: - Do-Not-Disturb for calls on 1st internal phone number - Do-Not-Disturb for calls on 2nd internal phone number - Do-Not-Disturb for calls on 1st and 2nd internal phone number - Do-Not-Disturb for internal calls - Do-Not-Disturb for external calls - Do-Not-Disturb for internal and external calls
Call variant 2		Activate or deactivate call variant 2 (Night Service). Special function keys programmable: - Control call variant 2 for each external number in the system selectively. - Control call variant 2 for all external numbers in the system jointly.
Call variant 3		Activate or deactivate call variant 2 (Internal Call Forwarding). Special function keys programmable: - Control call variant 3 for each external number in the system selectively. - Control call variant 3 for all external numbers in the system jointly.
Announcement		Announcement via an audio module or loudspeaker system.
Busy on Busy		Caller hears busy tone if a user is busy when a call is distributed. Special function keys programmable: - Activate Busy on Busy for each call distribution selectively. - Activate Busy on Busy for all call distributions globally.
Call by Call		Select a network provider. Import from LCR.
Intercom		Voice message to value added phones. Special function keys programmable: - Voice message to pre-set internal users.
Units		Display call charges.

Function	LED	Explanation
MCID		Malicious Call Identification. Malicious calls identified by the ISDN exchange.
Remote Scanning		Postdial a stored DTMF tone sequence (1 ... 0, *, #), e.g. to remotely scan an answering machine.
Headset	☐	To operate a headset.
Call Pick-Up		Pick up external calls. Special function keys programmable: Pick up internal calls and external calls from pre-set internal users.
Incognito	☐	Conceal your own phone number from the called party (Calling Line Identification Presentation - CLIP - inactive).
Internal key	☐	Select internal users. Special function keys programmable: Internal call to a pre-set internal user.
ISDN Call Hold		Hold an external call at the ISDN exchange (only usable in multiple subscriber systems).
ISDN Call Forwarding		Activate or deactivate ISDN Call Forwarding.
Conference		Initiate a conference call with internal or external participants.
Loudspeaker volume		Change loudspeaker volume for open listening.
LCR	☐	Activate or deactivate LCR (Least Cost Routing) for your value added phone.
Line key	☐	External line seizure with a pre-set external number of the system. Pick up a call under the number, broker calls. Special function keys programmable: Line keys with pre-set external phone number.
Broker		Broker between several external calls.
Memory		Store an external phone number from the display.
MSN / External		External line seizure with a pre-set external number of the system. Transmit a specific external phone number (MSN), e.g. to split the charges of an outgoing external call. Special function keys programmable: MSN/External key with pre-set external phone number.

Function	LED	Explanation
Relay	☐	Operate the relays. Special function keys programmable: Relay key for relay number.
Reserve		Reserve an outside line (B-channel) if all lines are busy.
Inquiry		Initiate a consultation (inquiry), connect, broker.
Telephone Lock	☐	Lock the value added phone, activate an emergency call/direct call.
Appointment	☐	Activate or deactivate the entered appointment time.
Timer	☐	Activate or deactivate a timer (timer control of the telecommunications system, such as call variants, diversions, relays) Special function keys programmable: Timers 1 ... 9.0
Door	☐	Set up a connection to the door phone unit and to operate the electric door opener. Special function keys programmable: Door for phone unit number
Door Opener		Activate the electric door opener.
Call Transfer		Transfer an external call to an external subscriber.
Divert from	☐	Divert all calls from another phone number to the current phone.
Divert to	☐	Divert all calls to another internal user or external subscriber.
Alarm Call	☐	Activate or deactivate the entered alarm call time.
Forward to		Selective forwarding of an incoming call to another phone number without answering the call.
Speed Dial key **- public** **- privat**		Dial a stored phone number. - The number is stored on your telephone and in the phonebook. - The number is only stored on your telephone.

LED indicators for first-level function keys

Program the functions you use most frequently on the 10 function keys of the first level.

If you program the functions marked with LED ☐ on the first-level function keys, the assigned LEDs indicate the status of the key function.

- LED lit - The function is active.

Line key with programmed external phone number of the system:
- LED flashing slowly - a call is coming in on the external number. Anyone can pick up the call.

- LED flashing rapidly - You are holding a call (for an inquiry or brokering) on the line. Only you can reconnect the call.

- LED lit - The call has been answered by an internal user.

Internal key with programmed external phone number of an internal user:

- LED flashing slowly - An answering machine is assigned to the Internal key. The machine has answered a call. Press the key to take the call.

- LED flashing rapidly - You have the internal user on hold (for an inquiry or brokering) on the line. Only you can reconnect the call.

- LED lit - The internal user is busy. He or she is being called or is conducting a call.

Timer key:
- LED lit - The timer is set. The function is inactive.

- LED flashing - The timer is set and the function is active.

- LED off - The timer is switched off and the function is inactive.

Note

If you do not assign a specific function when programming a function key, the key is variable. After pressing the key simply enter the desired phone number or type of function.

Changing a function key assignment

→ 3 1 "set 31": Start programming.

Press the function key whose functions you want to change (pressing the Shift key beforehand to change to the second level if necessary). The current function is: Divert to.

```
Select function
<  Divert from
OK Divert to
>  Alarm call
```

Key in the first letter of the function name, e.g. "B" for Brokering

```
Select function
<  Line key
OK Broker
>  Tone dial
```

or

◄ ► use the arrow keys to scroll until the function you want is on the "OK" line, e.g. Speed dial key – private.

```
Select function
< Speed dial key public
OK Speed dial key private
>  Reject
```

OK Press "OK". If you selected a function key for which you can define special functions, continue as detailed under "Assigning special functions to keys"

or

change another function key.

or

→ end programming.

Assigning special functions to keys

As under "Changing a function key assignment", start programming by keying in "set 31, select your function key and function, and confirm with OK.

"Reject Call Waiting" function key

```
Reject Call Waiting
<  Secondary number    3
OK Prim. and sec. no.  1
>  Primary number      2
```

Enter the internal phone number to which the Reject Call Waiting function is to apply.

→ End programming. With the "Reject Call Waiting" key you can now activate/ deactivate Call Waiting.

"Do-Not-Disturb" function key

Enter the internal phone number to which the Do-Not-Disturb facility is to apply.

```
Do-Not-Disturb
<  Secondary number    3
OK Prim. and sec. no.  1
>  Primary number      2
```

Enter whether the Do-Not-Disturb facility is to apply to external and/or internal incoming calls.

```
Do-Not-Disturb
<  ext. off int. on    3
OK ext. on int. on     1
>  ext. on int. on     2
```

End programming. With the "Do-Not-Disturb" key you can now activate/ deactivate the Do-Not-Disturb facility.

"Call variant 2" and "Call variant 3" function keys (Example shows call variant 2)

```
Call variant 2
External without

OK Store
```

Using the arrow keys select:
`External 23456781` - External number
or
`Office` - name of an external phone number for which the call variant is to be operated with this function key or
`External all` - if the call variant is to be operated for all external phone numbers of the system or
`External without` - if the external number or name of an external subscriber is only to be selected when the call variant is activated.

```
Call variant 2
External 23456781

OK Store
```

End programming.

"Intercom" function key

Enter the internal phone numbers if you always want to talk through to the same value added phones with the Intercom function.
If you do not define any internal numbers, dial the numbers after pressing the key.

End programming.

```
Intercom
__ __ __ __ __
Enter internal numbers
OK Store
```

"Pick-up" function key

Enter the phone numbers of the internal users whose external and internal calls you want to pick up.
If you do not define an internal number, you can press the key to pick up external keys from any internal users.

End programming.

```
Pick-up
__ __ __ __ __
Enter internal numbers
OK Store
```

"Internal key" function key

Enter the phone number of the internal user whom you want to reach directly via the Internal key.
If you do not define an internal number, dial the number after pressing the key.

End programming.

```
Internal key
for internal number __

OK Store
```

"Line key" and "MSN/External" function keys (Example shows Line key)

Using the arrow keys select:
`External 23456781` - external number of your system oder or
`Office` -name of an external phone number for which the key is to be programmed or
`External without` - ("MSN/External" only) - if the external number or name of an external subscriber is only to be selected when the key is pressed.

End programming.

```
Line key
External 23456781

OK Store
```

```
Line key
Office

OK Store
```

```
Line key
Private

OK Store
```

Note

Line key - User-friendly access to a Multiple Subscriber Number (MSN) in a multiple subscriber system or to a direct dialling inward station of a point to point connection (PTP-DDI).

Line key status signalling - The condition of a line is indicated by the assigned LED of a line key. Consequently, a line key can only be programmed on the first key level. To make best use of the facility (such as for brokering), program two line keys for each line.

Off - The line is free. You can seize the line by pressing the line key.

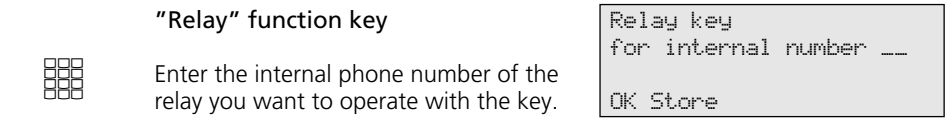
Static on - The line is busy. It cannot be seized.

Flashing slowly - Incoming call or parked call. By pressing the line key anyone can pick up the call. When the receiver is on-hook pressing the line key displays further information on the condition of the line (e.g. the caller number).
Flashing rapidly - You have a call on hold on the line. Only you can reconnect the call.

MSN/External key - The LED is not supported. You can program the key on the second level.

Only one MSN/External key is required on the value added phone. It can be programmed without an external phone number.

"Relay" function key



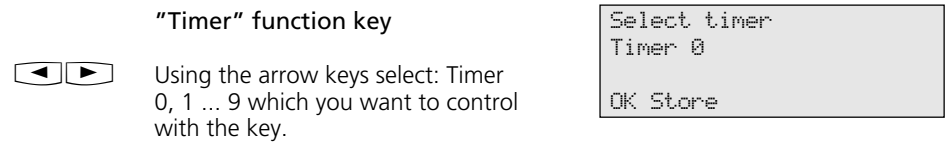
Enter the internal phone number of the relay you want to operate with the key.

End programming.

Note

The "Relay" function key has a general function if you do not enter an internal phone number. When you use the function key you must then select the internal number of the relay.

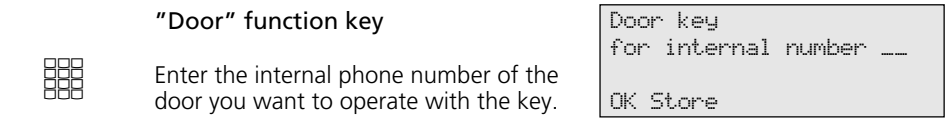
"Timer" function key



Using the arrow keys select: Timer 0, 1 ... 9 which you want to control with the key.

End programming.

"Door" function key



Enter the internal phone number of the door you want to operate with the key.

End programming.

Note

The "Door" function key has a general function if you do not enter an internal phone number. When you use the function key you must then select the internal number of the door.

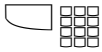
Making Calls

Making calls - "Automatic" line seizure variant

Lift the receiver. The display shows the time at the right.

```
Please dial
-i                    11:52
11
```

To call an internal number:
Press the **"Internal" key** and dial the internal number, e.g. 13, to call extension 13. The name of user 13 is displayed if logged.



```
Call to 13
ANTON
11 13
```

To call an external number:
Dial the external number directly. The system automatically seizes an outside line (B-channel).

```
Call to
98765432
11
```

Making calls - Line seizure variant "0"

Lift the receiver. The display shows the time at the right.

```
Please dial
-i                    11:52
11
```

To call an internal number:
Dial the internal number, e.g. 13, to call extension 13. The name of user 13 is displayed if logged.

```
Call to 13
ANTON
11 13
```

To call an external number:
Press the "0" key to seize any outside line (B-channel). Your external phone number (system number or multiple subscriber number) is displayed.
If logged, a name may be displayed instead of the number. Only the number is transmitted, however.

```
23456781
-i                    11:52
11
```

```
Office
-i                    11:52
11
```

You hear the external dial tone and can then dial the number.

```
Call to
98765432
11
```

Line seizure with MSN/External key

Press the **MSN/External key.**

Select an external phone number or the user's name. The call charges are billed under the selected number.

```
External
Office

< > Scroll
```

When the desired number is displayed, enter the subscriber's number.

```
Office
98765432
```

Lift the receiver. The number is dialled.

```
Call to
98765432
11
```

Line seizure with special MSN/External key or Line key

Press the **MSN/External key** or **Line key.** The call charges are billed under the selected number. If logged, a name may be displayed instead of the number. Only the number is transmitted, however.

```
Office
98765432
```

Enter the number you wish to dial.

Lift the receiver. The number is dialled.

```
Call to
98765432
22
```

Reserving an outside line

When trying to dial an external number you hear the busy tone. The message shown here appears on the display. No outside line (B-channel) is free..

```
B-channels busy
OK Reserve
```

Press OK to reserve an outside line.

```
Reservation
confirmed
```

Replace the receiver.

Reserved call from the system.

```
Your line
```

Lift the receiver. You hear the external dial tone.

Dial the external phone number.

```
Please dial
xi                  11:52
11
```

Note

Barred range - If the telephone system's barred range is programmed for your telephone, you cannot dial the external phone numbers that lie within the barred range. You hear the error tone.

DTMF post-dialling - Is possible for all existing external connections, even in an inquiry, when brokering and during a three-party conference. You can post-dial digits and characters (1...0,* and #)

Preparing dialling - The receiver is on the hook. Enter the phone number. The entered phone number is displayed. Your system telephone begins dialling automatically when you pick up the receiver or when you press the "loudspeaker" key .

Dialling with the receiver on the hook - Press the "loudspeaker" key and dial the phone number. Lift the receiver when the other party answers.

Hand free - Instead of lifting the receiver, you can also press the "loudspeaker" key in all cases. You are then telephoning in the hands free mode. Hands free mode is turned off if you lift the receiver during the call. You can conduct the call through the receiver. To switch to the hands free mode, press the "loudspeaker" key until you have replaced the receiver. To end the call, press the "loudspeaker" key .

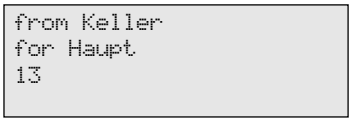
Open listening - Via the built-in loudspeaker other pe´rsons in the room may listen to the call you are conductimg through the receiver. to do this, press the "loudspeaker" key .

Reserving an outside line - The system telephone emits a short signal and Your line appears in the display for 4 minutes if the reserved outside line is free.

Answering Calls

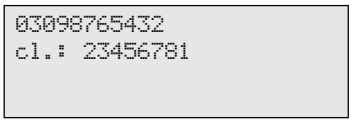
A call comes in for you

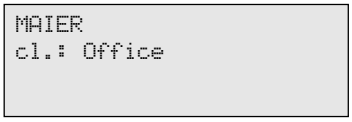
«🔔» **Internal call:** Example
The display identifies the caller while the phone is ringing.



Lift the receiver. The name or extension number, Phone 13 for example, is displayed.

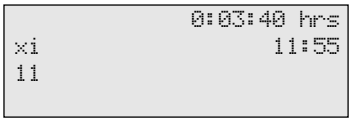
«🔔» **External call:** Examples
1st line of display - Caller's number or name entry in system phonebook, if an entry is logged under that number, e.g. MAIER.
2nd line of display: "cl." for "Calling"; the number being called (your system number with the direct dial extension or your MSN) or a name, e.g. Office.



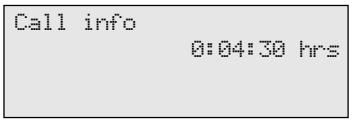


Lift the receiver. You are connected to the caller.

The display changes every 10 seconds. The call duration is displayed.



Replace the receiver to end the call. The call duration is displayed for a further 20 seconds.



You have a call waiting

You are on an internal or external call. Through the receiver you hear the external Call Waiting tones. The display shows the number or name of the second caller and the number or user name the caller has dialled.

```
MAIER
calling Office
11
```

To answer the second call:

Option 1 - Replace the receiver to end the call you are currently conducting. Your phone rings.

Lift the receiver. You are connected to the caller.

```
MAIER
xi
11
```

Option 2 - Press the **"Broker" key.** The first call (e.g. Phone 13) is placed on hold. You are connected to the second caller and can broker between the two calls or forward the call.

```
MAIER
Phone 13
11 13
```

To reject the second call

Press the **"Reject" key**. The caller then hears the busy tone instead of the ringback tone, if you were the only user he or she called.
If the call was distributed to more than one extension the caller continues to hear the ringback tone.

Continue your call.

Call Transfer

Internal call transfer with and without announcement

You are on an external call and want to transfer the call to an internal user.

```
MAIER
xi                    11:52
11
```

To select the internal user:
Press the **Internal key** and dial the internal number, e.g. 13.

```
Call to 13

11 13
```

If the internal user does not answer, press Stop to switch back to the external caller.

Call transfer with announcement
The internal user answers. Announce the external caller.

```
Phone 13
MAIER
11 13
```

Replace the receiver. Internal user 13 and the external caller are connected.

Call transfer without announcement
Replace the receiver before the internal user answers. When the internal user lifts the receiver he or she is connected to the external caller.

External call transfer

You are on an external call and want to transfer the call to another external subscriber.

```
MAIER
-i                    11:52
11
```

Select the external subscriber you want to connect to.
Seize an outside line and dial the external number. External subscriber 1 waits, possibly connected to music on hold.
If the called subscriber does not answer, press Stop to switch back to the holding external subscriber.

```
Call to
87654321
11
```

Continued on next page

You are talking to the new external party. The subscriber on hold cannot listen-in.

```
87654321
MAIER
11
```

Press the **"Call Transfer" key** (must be programmed) to transfer the call.

```
Transfer call
Please hang up
11
```

Replace the receiver.

Transferring an Outside Line

An internal user calls you. The user, whose external access is otherwise restricted, wants you to connect him or her to an outside line.

```
Phone 13
-i                    11:52
11 13
```

Seize an outside line. You hear the external dial tone of the free outside line.

```
Office
-i                    11:52
11 13
```

Press the **"Call Transfer"** key.
You have transferred the free outside line. The internal user can dial an external number.

```
Transfer call
Please hang up
11 13
```

Replace the receiver.

Forwarding a Call while the Phone is Ringing

You can forward a call to an internal user or external subscriber while the phone is ringing. Then you do not have to answer the call.

To be able to forward calls to an external subscriber the ISDN "Call Deflection" feature must be available on your exchange and be enabled for the line.

«🕭» An external call comes in. The display identifies the caller

```
MAIER
calling Office
11 13
```

Press the **"Forward to" key**.
You can forward the call to an internal or external phone number.

```
Forward to

OK Internal number     1
>  External number     2
```

2 Select forwarding to an external phone number, for example.

```
Forward to
_
```

Key in the external number you want to forward to, choose an entry from the phonebook or press a speed dial key.

```
Forward to
61793015
```

OK Press OK to confirm. The call is forwarded to the external number you selected. The call to your system is cleared.

```
17.May 1999       11:52
--
```

Reject call during ringing

Press the "**Reject**" key. The caller then hears the busy tone instead of the ringback tone, if you were the only user he or she called.
If the call is being distributed to more than one extension the caller continues to hear the ringback tone.

Call Waiting/Return Call

Initiating Call Waiting/Return Call

You have called user 13, for example, and he or she is busy.
You want to indicate a call waiting and request a return call.

```
Phone 13
busy
11 13 15
```

OK Press OK. The busy user hears the Call Waiting tone.
You hear the internal Call Waiting tone.

Replace the receiver. If your call was not answered you request the return call.

Return Call

As soon as the called user is free your phone rings and your display indicates "Return call".

```
Return call from 13
for phone 11
11 13
```

Lift the receiver. Phone 13 is automatically recalled.

The user answers:
Conduct your call as usual.

The user does not answer:
You hang up and are thereby logged in the call list.

Replace the receiver.

Second Call Busy

Programming and controlling Reject Call Waiting

Start the function by pressing ⇒ and the **"Reject Call Waiting" key** or ⇒ 1 4 . The display shown here appears if primary and secondary internal phone numbers are programmed for your telephone.

```
Reject Call Waiting
<  Secondary number    3
OK Prim. and sec. no.  1
>  Primary number      2
```

Enter the internal phone number(s) to which the Reject Call Waiting function is to apply and confirm. Example: Secondary number

```
Reject Call Waiting -/21
off
OK Switch off          1
>  Switch on           2
```

"1": Activate Reject Call Waiting
"2": Deactivate Reject Call Waiting

End programming. The setting takes effect immediately. With the "Reject Call Waiting" key you can easily activate or deactivate the pre-programmed Reject Call Waiting function later.

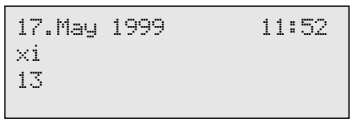
Activating /deactivating Second Call Busy

The receiver is on-hook. Press the **"Reject Call Waiting"** key to activate/ deactivate the programmed Reject Call Waiting function.
On - The LED on the key is lit, for 20 seconds the display indicates , "Reject Call Waiting on".
Off - The LED on the key is off, for 20 seconds the display indicates "Reject Call Waiting off".

```
Reject Call Waiting -/21
off
```

Call Pick-Up

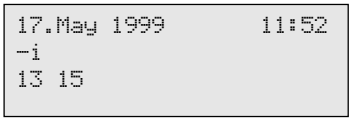
Picking up an external call without using a function key



Another phone is ringing. On the display the x flashes and the internal extension being called, e.g. 13, is displayed. You want to pick up the incoming external call.

Lift the receiver. Press OK. You are now connected to the external caller and can conduct your call as usual.

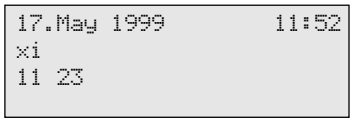
Picking up an external/internal call using a function key



You hear or see on the display that extension 13 is being called. The 13 flashes.

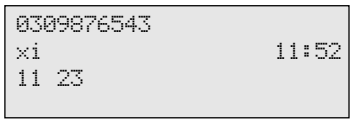
Lift the receiver. Press the **"Call Pick-Up"** key. You are now connected to the caller (extension 15) and can conduct your call as usual.

Taking a call from the answering machine



An external call has triggered the answering machine (e.g. internal number 23).

"Automatic" call pick-up variant



Lift the receiver. Press the **"Internal"** key and dial the internal number, e.g. 23, to take the call. You are connected to the caller and can conduct your call as usual.

Call pick-up variant "0"

Lift the receiver. Dial the internal number, e.g. 23, to take the call. You are connected to the caller and can conduct your call as usual.

Call List

Logging into a call list

You call internal user 13, for example, but no one answers.
You want to log into the extension's call list.

```
Call to  13
Anton
11 13
```

Press OK.

```
Call list

11 13
```

Replace the receiver. You have logged yourself into the call list.

Viewing a call list

The receiver is on-hook. The illuminated Mail key indicates that there is at least one entry in the call list.

To view the last entry press the Mail key. The display indicates:
- 1st of 2 entries (example)
- Name or number of caller
- Time/date of his/her last call
- Number of call attempts and name/ external phone number called.

```
Call list          1 of 2
ALPHA
from 08:24 MO 10.05.1999
2x to private
```

You now have several options:

Scroll: Scroll to view more entries.

```
Call list          2 of 2
03098765432
from 19:15 FR 07.05.1999
1x to 23456789
```

Dial: Lift the receiver. The number of the list entry is automatically dialled.
If the user answers, the entry is deleted from the call list.
If the user does not answer, the entry is retained.

```
Call to
03098765432
11
```

Clear: Press Clear. The displayed entry is deleted.

Stop: Press Stop to cancel viewing the call list.

The Mail key remains illuminated as long as there is still an entry in the call list.

Do-Not-Disturb - Disabling the Ringer

Programming and controlling Do-Not-Disturb

Start the function by pressing "set" and the **"Do-Not-Disturb"** key or [→] [1] [2]. The display shown here appears if primary and secondary internal phone numbers are programmed for your telephone.

```
Do-Not-Disturb
<  Secondary number    3
OK Prim. and sec. nb.  1
>  Primary number      2
```

Enter the internal phone number(s) to which the Do-Not-Disturb facility is to apply and confirm. Example: `Prim. and sec. number`

```
Do-Not-Disturb 11/21
<  ext. off int. on    4
OK ext. off int. on    1
>  ext. off int. on    2
>  ext. off int. on    3
```

Select whether the Do-Not-Disturb facility is to be active and/or inactive for internal and/or external incoming calls, and confirm.

End programming. The setting takes effect immediately. With the "Do-Not-Disturb" key you can easily activate or deactivate the pre-programmed Do-Not-Disturb facility later.

Activating /deactivating Do-Not-Disturb

The receiver is on-hook. Press the **"Do-Not-Disturb"** key to activate/deactivate the programmed Do-Not-Disturb facility.
On - The LED on the key is lit, for 20 seconds the display indicates `"Do-Not-Disturb on"`.
Off - The LED on the key is off, for 20 seconds the display indicates `"Do-Not-Disturb off"`.

```
Do-Not-Disturb 11/21
on
```

Switching Call Variant

Activating/deactivating call variant 2 (Night) / 3 (CF)

Press "set" and the "**Call variant 2**" key (→ 1 1) or the "**Call variant 3**" key (→ 1 9). Example shows call variant 2.

```
CVA 2 Night service
<  External all      off
OK Office            off
>  23456781          on
```

◄ ► Select the external phone number/name or door for which call variant 2 is to be activate or deactivated or select "External all" to activate or deactivate call variant 2 (Night) for "all" external phone numbers and the doors.

OK Confirm your selection.

```
CVA 2 Night service
Office
OK Switch on          2
>  Switch off         1
```

"1": Deactivate call variant 2 (off)
Call variant 1 (Day) is active.
"2": Activate call variant 2 (on)

OK - Select more external phone numbers and activate the call variant.
or
→ End programming.

Activating/deactivating call variant 2 / 3 using a function key

Press the **"CVA 2 (Night)"** or **"CVA 3 (CF)" key.**
Example: Call variant 2 for the external number - Office is activated.
As a check the moon symbol is indicated on the default display.

```
CVA 2 Night service on
Office
```

Press the "CVA 2 (Night)" key. Call variant 2 is deactivated. if previously active. Call variant 1 (Day) for the external number - Office is activated.

```
CVA 2 Night service  off
Office
```

The moon symbol has disappeared from the default display.

Announcement

The receiver is on-hook. Press the **"Announcement"** key.
The acknowledgement tone sounds.
You can make your announcement in handsfree mode
or
user the receiver.

```
Announcement
Please speak
```

After making your announcement, press the "Loudspeaker" key if in handsfree mode or replace the receiver.

Autodial

Programming an autodial number

→ 5 6 Call up the "Autodial" submenu.

```
Autodial
_
Enter number
OK Store
```

Enter an external phone number.

→ End programming.

Note

After programming the external phone number check the autodial function. Activate autodial, lift the receiver, wait for the external number to be dialled and check that the destination is correct.

Programming an autodial number

→ 1 * Call up the "Autodial" submenu.

```
Autodial
off
OK Switch on          2
>  Switch off         1
```

„1": Switch off autodial.
„2": Switch on autodial.

→ End programming.
Autodial is set up.
When you lift the receiver you hear the special dial tone.

```
Autodial
9876543
```

Busy on Busy

Programming and controlling Busy on Busy

Start the function by pressing "set" and the **"Busy on Busy"** key or → 1 ⌗.

Select the external phone number or name of an external subscriber.

OK Confirm your selection.
In the example the external number 23456781 has been selected.

"1": Deactivate Busy on Busy (off)
"2": Activate Busy on Busy (on)

OK - Select more external phone numbers and activate Busy on Busy.
or
→ End programming.

```
Busy on Busy
<  Private            off
OK 23456781           off
>  Office             on
```

```
Busy on Busy
23456781        off
OK Switch on          2
>  Switch off         1
```

Activating/deactivating Busy on Busy

The receiver is on-hook. Press the **"Busy on Busy"** key to activate/deactivate the programmed function.

```
Busy on Busy on
23456781
```

Intercom Function

Intercom voice message to value added phones

The receiver is on-hook. Press the **"Intercom"** key. If no users are defined, enter the internal numbers of the value added phones you want to reach.

```
Intercom
11 13 15 -- --
```

o. Press the "Loudspeaker" key to talk through the loudspeaker in handsfree mode, or use the receiver.
If at least one of the selected value added phones is free, you and the people you are talking to hear the acknowledgement tone. You can then talk.

```
Intercom
Please speak
11 13 15
```

o. After sending your voice message, press the "Loudspeaker" key if in handsfree mode or replace the receiver. The procedure is ended.

Intercom voice message while on an external call

You are on an external call and want to announce the call to an internal user, but do not know which phone the user is currently on.

Press the **"Intercom"** key. If no users are defined. enter the internal numbers of the value added phones you want to reach and confirm with OK.
If at least one of the selected value added phones is free, you and the people you are talking to hear the acknowledgement tone. You can then talk.

```
Intercom
Please speak
11 13 15
```

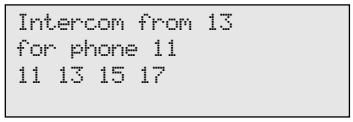
If the person you were looking for hears the message and lifts the receiver, he or she alone is connected to you internally. The intercom function is terminated. You can talk as usual.
To transfer the external call to the located internal user, replace the receiver. The two other parties are connected.

```
Phone 13
03098765432
11 13
```

When you hear an intercom voice message through your phone

You hear the acknowledgement tone and then an intercom voice message.

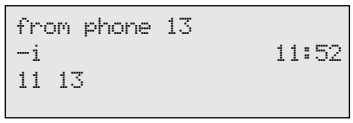
```
Intercom from 13
for phone 11
11 13 15 17
```



If you want to speak to the caller:

o. Press the "Loudspeaker" key to talk through the loudspeaker in handsfree mode, or use the receiver. You alone are then connected to the caller.
If you are the only person the intercom voice message was directed to, and if you have enabled automatic activation of your handsfree microphone ("set 24"), you can immediately talk to the caller in handsfree mode.

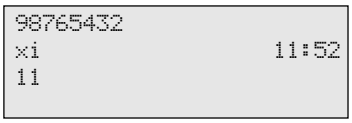
```
from phone 13
-i                 11:52
11 13
```



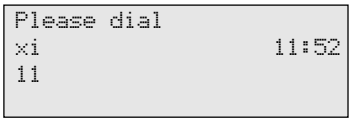
o. Press the "Loudspeaker" key if in handsfree mode or replace the receiver. The call is ended.

Call Hold

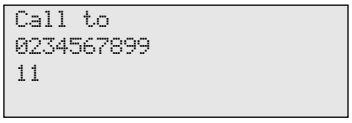
You are on an external call (multiple subscriber system).



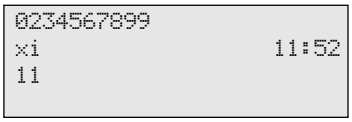
Press the **"ISDN Hold"** key.
You hear the external dial tone.



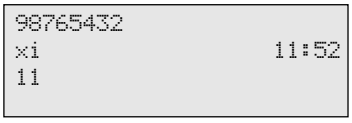
Dial the number of the external subscriber you want to consult.



The caller on hold cannot listen-in. The display shows the phone number to indicate that you are talking to subscriber 2.
If the person you are calling does not answer, press Stop to switch back to the holding subscriber.



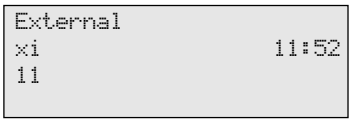
You can use the **"ISDN Hold"** key to switch between the two external subscribers (brokering).



Pressing Stop clears the current external call, and you can immediately talk to the caller on hold.

Malicious Call Identification

You are being pestered by a caller and want the exchange to identify him or her.



Press the **"MCID"** key. You hear the acknowledgement tone from the exchange.

Replace the receiver.

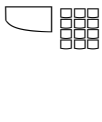
Conferencing

Three-party conference, internal

You are on an internal call.

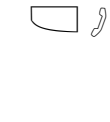
Call the internal user you want to include in the conference, e.g. 17.

Press the **"Internal"** key and dial the internal number, e.g. 17, Shipping department.



Talk to user 17.

Press the **"Conference"** key.
The conference participants hear the acknowledgement tone.

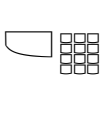


Three-party conference, internal/external

You are on an external call.

Call the additional external subscriber or internal user you want to include in the conference.
Example: Three-party conference - one internal user and two external subscribers.

Seize an outside line and dial the external number.



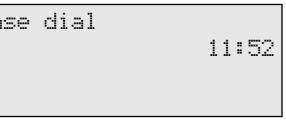
Talk to the second external subscriber.

Press the **"Conference"** key.
The conference participants hear the acknowledgement tone.

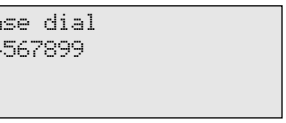
ISDN three-party conference

You are on an external call (multiple subscriber system) and want to talk to another external subscriber at the same time.

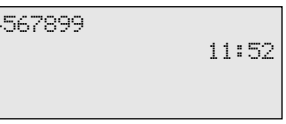
Press the **"ISDN Hold"** key. You hear the external dial tone.



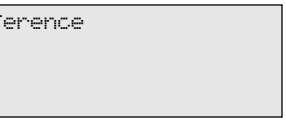
Dial the number of the external subscriber you want to consult.



When the person you are calling answers you can announce the three-party conference. The caller on hold cannot listen-in.
If the person you are calling does not answer, press Stop to switch back to the holding subscriber.



If the called party does answer, you can talk to both external subscribers simultaneously after pressing the **"Conference"** key.



Replace the receiver to end the three-party conference.

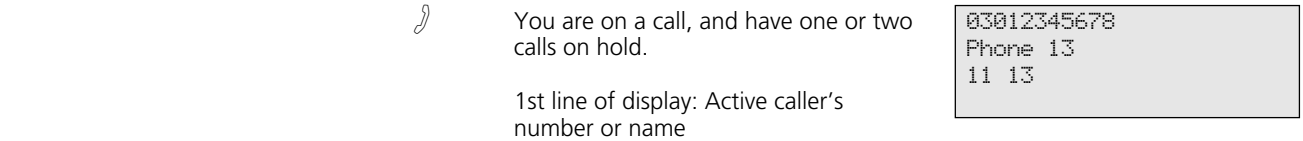
Least Cost Routing (LCR)

Press the **"LCR"** function key to activate or deactivate the LCR function for your phone. Example shows LCR active.

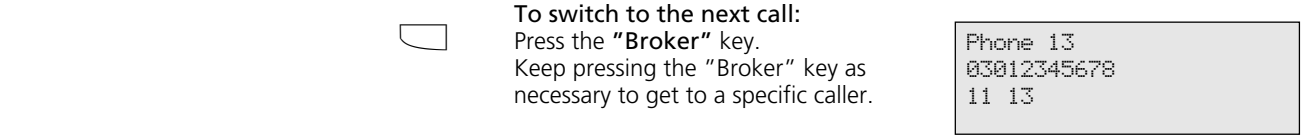
Brokering

You are on a call, and have one or two calls on hold.

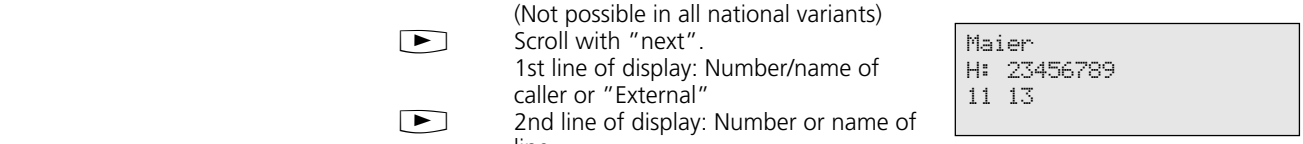
1st line of display: Active caller's number or name
2nd line of display: Number or name of next call on hold.
"External" if no number is identified.

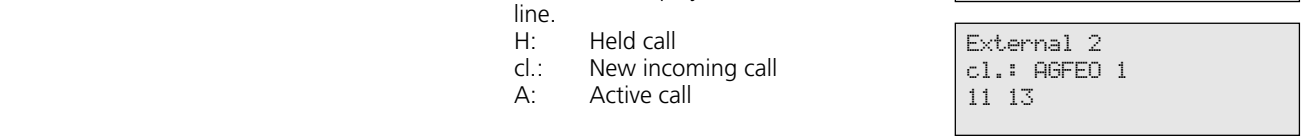


To switch to the next call:
Press the **"Broker"** key.
Keep pressing the "Broker" key as necessary to get to a specific caller.

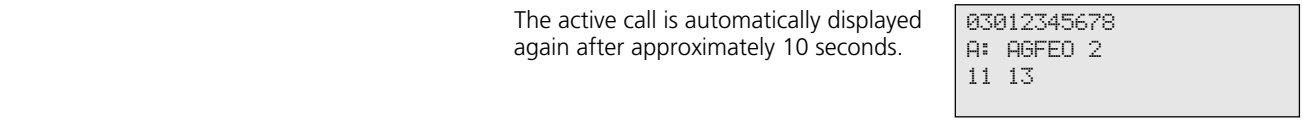


or
To view the calls on hold during the active call:
(Not possible in all national variants)
Scroll with "next".
1st line of display: Number/name of caller or "External"
2nd line of display: Number or name of line.
H: Held call
cl.: New incoming call
A: Active call

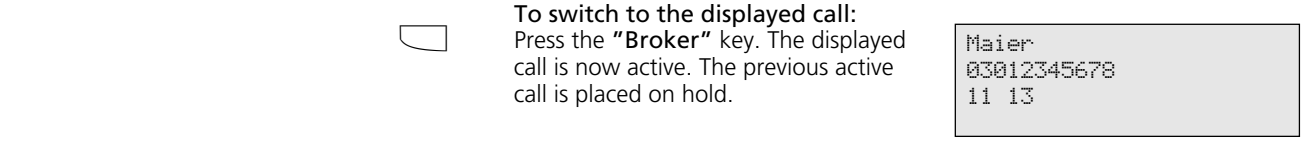




The active call is automatically displayed again after approximately 10 seconds.



To switch to the displayed call:
Press the **"Broker"** key. The displayed call is now active. The previous active call is placed on hold.



Storing a Memory Number

Storing a memory number/name

The receiver is on-hook. You want to store the name and number shown on the display.

```
MAIER
03098765432
```

Press ! . The name and number are stored in the memory.

Press ! again to return to the default display.

```
Features
N0. -> Memory
```

Viewing and dialling a memory number

Press the **"Memory"** key. The first external phone number in the memory, with the name where logged, is displayed.

```
MAIER
03098765432

< > Scroll
```

o. Press the **"Memory"** key or use the arrow keys to select one of the last five external numbers.

```
Call to
03098765432
11
```

Lift the receiver. The selected number is autodialled.

Importing a memory number/name (example: speed dial programmed)

Press "set" and **Speed Dial (private).**

```
Speed dial key
_
Enter number
OK Store
```

o. Press the **"Memory"** key. The first phone number in the memory is displayed. Scroll through any further numbers. An existing speed dial number is overwritten.

```
Speed dial key
03098765432
< > Scroll
OK Store
```

OK Store your input. The name belonging to the number is displayed. Overwrite it with a different name as necessary.

```
Speed dial key
MAIER
Enter number
OK Store
```

End programming.

Notes

The numbers and names, where logged, of the last five incoming or outgoing external calls are automatically stored in the memory.

Call by Call

Lift the receiver and press the **"Call by Call"** key. The pre-set network provider is displayed and selected.

```
MOBILCOM
01019
```

Postdial the local area code and number of the subscriber you are calling or select from the redial or speed dial functions.
The outside line is automatically seized. When the subscriber answers, conduct your call as usual.

```
MOBILCOM
052123456789
```

Parking an External Call

To park an external call

You are on an external call, which you want to park.

```
98765432
xi                    11:52
11
```

OK — Park the call.

```
98765432
Call parked
11
```

Replace the receiver. The call is parked for a maximum of 4 minutes. On the display the "x" character assigned to a B-channel flashes. The parked subscriber hears music on hold.

To resume the external call

Lift the receiver.

```
98765432
xi                    11:52
13
```

OK — Resume the call, e.g. on extension 13.

You can conduct your call as usual.

Notes

To resume the external call:
- using system phones ST 20, ST 25 please press the OK key,
- using an ST 30, press a slowly blinking line key to get a parked call (see page 25),
- using analog phones, please dial ✱ 2 2.

Room Monitoring

Setting up room monitoring

→ 1 0 Call up the "Room monitoring" submenu.

"1": Switch off room monitoring
"2": Switch on room monitoring

```
Room monitoring
off
OK Switch off          1
>  Switch on           2
```

Select whether an acoustic warning is to be delivered before activating room monitoring.

"1": Acoustic warning off
"2": Acoustic warning on

```
Acoustic warning
off
OK Switch off          1
>  Switch on           2
```

→ End programming.

Example: Room monitoring set up.

```
Room monitoring
Acoustic warning
```

Room monitoring from an internal extension

Lift the receiver.

Call the monitoring phone, e.g. extension 13.

```
Phone 13
-i                    11:52
11 13
```

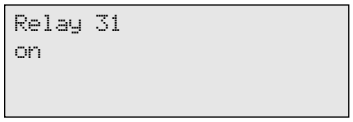
Listen-in to the room.
While monitoring remember that you, too, may be heard in the room you are monitoring.

Operating Relays

Activating/deactivating a relay

Press the **"Relay"** key.

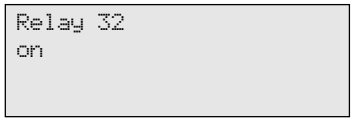
Enter the internal phone number of the relay, e.g. 31. The relay is activated or deactivated immediately. If the relay is a pulse relay, the second line of the display remains unchanged.



Stop — Return to default display.

Activating/deactivating a relay using a special function key

Press the **"Relay"** key to activate or deactivate the relay. If the relay is a pulse relay, the second line of the display remains unchanged.



Stop — Return to default display.

Inquiry

Inquiry (consultation) by phone

You are on an internal or external call. Example shows external call, number 03012345678.

```
03012345678
xi                  11:52
11
```

Internal inquiry
Press the **Internal** key and dial the internal number, e.g. 13.

```
Call to 13
03012345678
11 13
```

External inquiry
Press the **"Broker"** key and dial the external number, e.g. 9876543.

```
Call to
9876543
11
```

You are talking to the person you have consulted. The subscriber on hold cannot listen-in.

```
9876543
03012345678
11
```

To return to the subscriber on hold:
Press Stop. The inquiry call is cleared.
or
Press the **"Broker"** key. The inquiry call is placed on hold.

Room consultation (muting)

You are on an internal or external call. Example shows external call, number 03012345678.

```
03012345678
xi                  11:52
11
```

Press the **Internal** key. The call is placed on hold. You can talk without the telephone caller hearing.

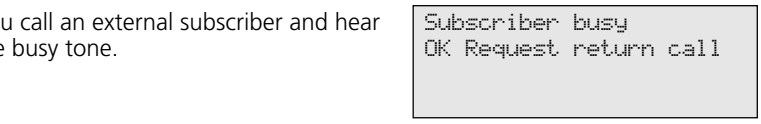
```
Internal call
Phone __
11
```

Press Stop to resume the telephone call.

Return Call

Requesting a return call

You call an external subscriber and hear the busy tone.



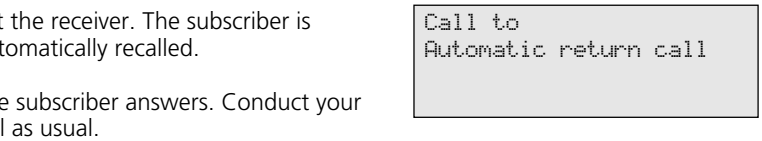
Press OK to request a return call.

Replace the receiver.

Rückruf

As soon as the called user is free your phone rings and your display indicates the return call.

Lift the receiver. The subscriber is automatically recalled.



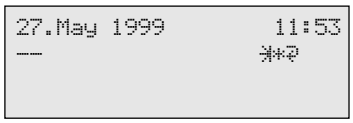
The subscriber answers. Conduct your call as usual.
If the subscriber does not answer, you hang up and are thereby logged in the external subscriber's call list.

Viewing Status Messages

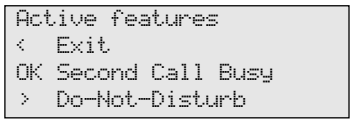
As soon as you have activated a function on your ST 30 a symbol indicates the fact on the display. You can view the status of the individual functions one after another on the display.

Scrolling through displays

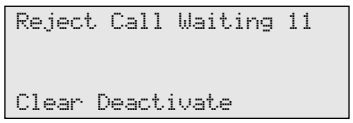
The receiver is on-hook. The symbols on the display indicate that functions are active.



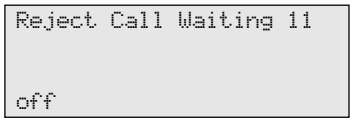
◄ ► You can scroll to view the active features one after another. Any displayed feature can be deactivated.



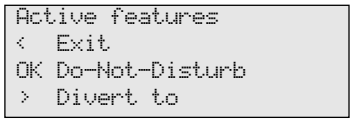
OK Press OK, and select the feature (e.g. Reject Call Waiting). The active Reject Call Waiting function is displayed.



Clear Press Clear to deactivate Second Call Busy. The inactive Second Call Busy function is displayed.



◄ ► Scroll to view more features.



Return to default display:
Automatic - after approx. 20 seconds
Stop Immediate - by "Stop"

Storing Numbers in the Phonebook

→ 📖 Call up the "Central numbers" main menu.

The phonebook is provided as an alphabetically or numerically sorted register.
You can use the Shift key "-Taste ⇧ to change register.

```
Central numbers   5
<  Autodial          6
OK Add entry         1
>  Edit entry        2
>  Clear entry       3
>  Emergency numbers 4
>  Direct call number 5
>  Autodial          6
```

Storing a phonebook number

OK Select the "Add entry" submenu. The first free memory slot is displayed, e.g. index 210.

```
Add entry 210
_
Enter number
OK Store
```

⌨ Enter external phone numbers excluding the "0" for outside line seizure.

OK Store your input.

```
Add entry 210

Enter name
OK Store
```

⌨ Enter the name - refer to the instructions under "Settings - Entering a subscriber name".

OK Confirm your input.

OK - Store more numbers
or
→ End programming.

Changing a phonebook number

◄ ► OK Select the "Edit entry" submenu and confirm.
The phonebook is displayed in numerical order.

```
Enter index
000 ... 299

< > Scroll
```

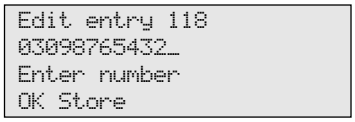
⇧ Switch to alphabetical order.

```
Select entry ___
A ... Z
```

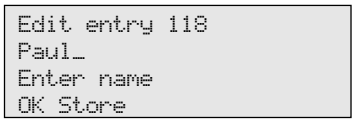
⌨ Key in the first letter of the name.
Example: P.
The first entry beginning with the entered letter is displayed.

```
Select entry P__
<  Olli
OK Paul
>  Paul D-Netz
```

◄ ► OK — Select the name using the arrow keys and confirm.
Confirm the number with OK
or
simply overwrite an old number with a new one or press Clear to clear character-by-character
or press ⇧ Clear to clear the entire input.



OK — Store your input.
Confirm the name with OK
or
simply overwrite an old name with a new one or
press Clear to clear character-by-character or
press ⇧ Clear to clear the entire input.

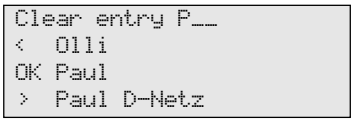


OK - Store more numbers
or
→ — End programming.

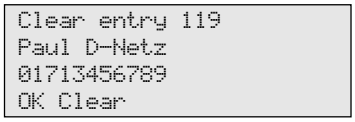
Clearing a number from the phonebook

◄ ► OK — Select the "Clear entry" submenu and confirm.
The phonebook is displayed in alphabetical order.

Key in the first letter of the name.
Example: P.
The first entry beginning with the entered letter is displayed.



◄ ► OK — Select the name using the arrow keys and confirm.



OK — Confirm the deletion or cancel with Stop

OK - Clear more numbers
or
→ — End programming.

Entering an emergency number

◄►OK Select the "Emergency numbers" submenu and confirm.

```
Select emergency number
* or #
```

Select an emergency number key, e.g. *.

Enter the emergency number.

```
Emergency number 1
_
Enter number
OK Store
```

OK Store your input.

OK - Enter more emergency numbers
or
→ End programming.

Entering a direct call number

◄►OK Select the "Direct call number" submenu and confirm.

```
Direct call number
_
Enter number
OK Store
```

Enter the direct call number.

OK Store your input.

OK - Continue in the phonebook menu
or
→ End programming.

Entering an autodial number

◄►OK Select the "Autodial" submenu and confirm.

```
Autodial
_
Enter number
OK Store
```

Enter the phone number.

OK Store your input.

OK - Continue in the phonebook menu
or
→ End programming.

Dialling Phonebook Numbers

The phonebook is provided as an alphabetically or numerically sorted register for selection of the stored numbers.

You can use the Shift key ⇧ to change register.

Phonebook (numerical)

📖 Open the phonebook.
You are in the numerical register.

⌨ Enter the speed dial number.
The name and number are displayed.

or

◄ ► Use the arrow keys to scroll to the name you are looking for.

📞 o. 🔊 Lift the receiver or press the "Loudspeaker" key. An outside line is automatically seized and the displayed phone number is autodialled.

```
Enter index
000 ... 299

< > Scroll
```

```
Select entry 117
Olli
02213456789
< > Scroll
```

Phonebook (alphabetical)

📖 Open the phonebook.
You are in the numerical register.

```
Enter index
000 ... 299

< > Scroll
```

⇧ Use the Shift key to switch to the alphabetical register.

```
Select entry ___
A ... Z

< > Scroll
```

⌨ Key in the first letter of the name you are looking for, e.g. A. The first entry beginning with the entered letter is displayed.

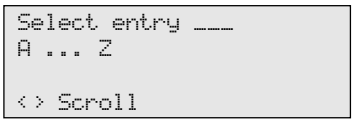
```
Select entry A __
<  Ziegler Gertrud
OK AGFEO
>  Anton
```

◄ ► Use the arrow keys to scroll to the name you are looking for.

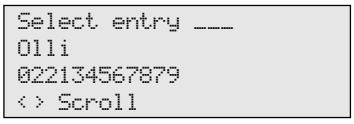
📞 o. 🔊 Lift the receiver or press the "Loudspeaker" key. An outside line is automatically seized and the displayed phone number is autodialled.

Redialling a phonebook entry

Open the phonebook. You are in the last register used (numerical or alphabetical).
Use the Shift key to change register as necessary.



Press the "Redial" key.
The last entry dialled - or merely displayed - in this register is redisplayed.



o.

Lift the receiver or press the "Loudspeaker" key. An outside line is automatically seized and the displayed phone number is autodialled.

Telephone Lock - Emergency Call / Direct Call (Baby Call)

Locking/unlocking the telephone

The receiver is on-hook. Press the **"Telephone Lock"** key to lock or unlock the telephone.
If the display prompts you for the phone code when you try to unlock, enter the code number.

```
17.May 1999          11:52
--
```

Locking/unlocking the telephone without using a function key

[→] [1] [3]

Open the "Telephone lock" submenu.
If the display prompts you for the phone code when you try to unlock, enter the code number.

```
Lock phone
off
OK Switch on          2
>  Switch off         1
```

"1": Off - Unlock telephone
"2": On - Lock telephone
Example shows "2" - Unlock telephone.
The display shows "?".

```
17.May 1999          11:52
--                      ?
```

Emergency call

The telephone is locked. The receiver is on-hook. The emergency numbers are stored.

```
Emergency call /
Baby call
* or #
```

Select emergency key * or # .
Example shows „[*]".
The emergency number is displayed.

```
Emergency call 1
1234567
```

o. [🔊] Lift the receiver or press the "Loudspeaker" key for handsfree operation. The number is autodialled.

Direct call (Baby call)

The telephone is locked. Lift the receiver. The direct number is stored.
.

```
Baby call
```

[►] Pressing any key autodials the stored direct call number. You can conduct your call as usual.

```
Baby call
2345678
```

Appointment Call - One-off Appointment

Programming and controlling an appointment call

Start the function by pressing "set" and the **"Appointment"** key or → 1 5.

Key in the 4-digit time and confirm. Clear any existing entry by pressing Clear or simply overwrite it.

Enter the 6-digit date.

Store your input. The appointment call is activated.
As a check the clock symbol is indicated on the default display.

```
Appointment time ?
__:__

OK Store
```

```
Appointment date
__.__.__

OK Store
```

Deactivating an appointment call

Press the **"Appointment"** key. The appointment call is deactivated.

The clock symbol has disappeared from the default display.

To deactivate without using the "Appointment" key: → 1 5, clear time by pressing Clear then →.

```
13:15   21.06.99
Appointment off
```

Activating an appointment call

Press the **"Appointment"** key. The appointment call is activated.

Return to the default display. As a check the clock symbol is indicated on the display.

```
13:15   21.06.99
Appointment on
```

Acknowledging an appointment call

The appointment reminder sounds at the pre-set time. Your display indicates "Appointment".

Acknowledge the appointment call. The displays relating to the appointment have disappeared.

```
Appointment
--                          ◷
```

Activating/Deactivating Timers

Press the **"Timer"** key to control the programmed timer in the system.

"1": Activate/deactivate timer. The timer function is switched at the programmed times.
"2": Activate or deactivate timer function immediately regardless of programmed times.

Stop — Return to default display.

```
Timer 3
Timer off, Function off
OK Timer on              1
>  Function on           2
```

Door Call Diversion to an External Subscriber

Start the function by pressing "set" and the **"Divert to"** key or → 1 7.

```
Divert to
Destination __
```

Key in the internal number of the door from which you want to divert the door call to an external destination, e.g. 20.

```
Divert 20 to

OK Internal number       1
>  External number       2
```

2 — Diversion to "external number".

```
Divert 20 to
_
Enter number
OK Store
```

OK — Enter the external diversion destination number and confirm.

```
Divert 20 to
<  Unanswered            3
OK All                   1
>  Busy                  2
```

1 — Set diversion of "all" calls. A door call is initiated immediately.

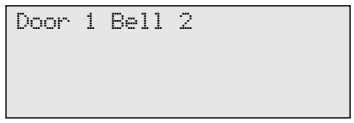
"1": Deactivate diversion
"2": Activate diversion

```
Divert 20 to
on
OK Switch on             2
>  Switch off            1
```

→ — End programming.

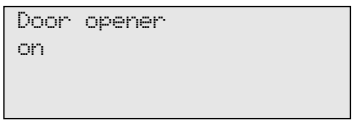
Operating Door Phone Unit and Door Opener

The receiver is on-hook. Your hear the door bell on your telephone.



Lift the receiver. You are connected to the door intercom and can talk to the visitor.

To open the door press the **"Door"** or **"Door Opener"** key.
The door opener is activated for 3 seconds.
The display shown here appears as an indicator and you hear the acknowledgement tone.



Calling the door phone unit / Picking up a door call

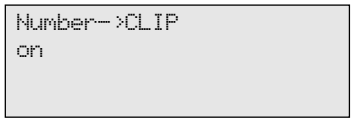
Lift the receiver. Press the **"Door"** key (e.g. "Door 1"). You hear the acknowledgement tone. You are connected to the door intercom and can talk to the visitor.

Replace the receiver.
The procedure is ended.

Line Identification

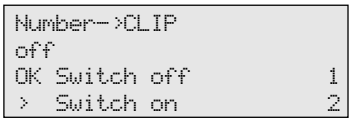
Activating/deactivating Calling/Connected Line Identification (CLIP/COLP) using a function key

Press the **"Incognito"** key to activate or deactivate display of your phone number to the person you are calling.
Example shows CLIP active.



Activating/deactivating Calling Line Identification Presentation (CLIP) ——

→ 8 2 — Call up the „Number–>CLIP" submenu.

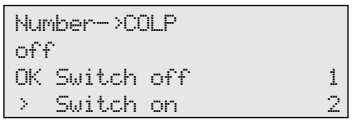


⌨ — "1": Switch off CLIP
"2": Switch on CLIP

→ — End programming.

Activating/deactivating Connected Line Identification (COLP)——————

→ 8 3 — Call up the „Number–>COLP" submenu.

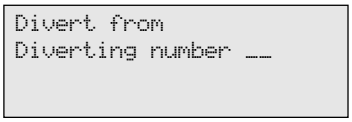


⌨ — "1": Switch off COLP
"2": Switch on COLP

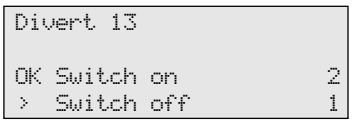
→ — End programming.

Divert From - Diverting Calls from Other Telephones

→ ▭ — Start the function by pressing "set" and the **"Divert from"** key or → 1 8.



⌨ — Enter the internal phone number whose calls you want to divert to your phone, e.g. 13.



⌨ — "1": Deactivate Divert From
"2": Activate Divert From

→ — End programming.
All calls for extension 13 now ring on your phone.

Divert To - Diverting Calls to Another Telephone

Diversion by the system

Programming and controlling Divert To

Start the function by pressing "set" and the **"Divert to"** key or → 1 7.

```
Divert to
Destination ___
```

Enter the internal phone number whose calls you want to divert to another internal or external user, e.g. 13.

```
Divert 13 to

OK Internal number     1
 > External number     2
```

"1": Divert to internal user
"2": Divert to external subscriber

```
Divert 13 to
_
Enter number
OK Store
```

Enter the external phone number of the diversion destination and confirm.

Set the diversion criterion.
"1": Divert all calls
"2": Divert when busy
"3": Divert when unanswered (after 15 seconds)

```
Divert 13 to
<  Unanswered          3
OK All                 1
 > Busy                2
```

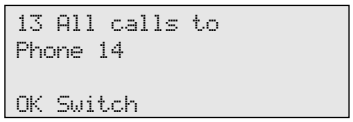
"1": Deactivate Divert To
"2": Activate Divert To

```
Divert 13 to

OK Switch on           2
 > Switch off          1
```

End programming.

Programming and controlling Divert To

Start the function by pressing the **"Divert to"** key. The current status of a programmed diversion is displayed.



◄ ► Select the next diversion as necessary.

OK Switch the selected diversion (on/off).

► Activate/deactivate the diversion of the second internal number or another diversion as necessary.

Stop Return to default display.

Diversion by ISDN Exchange (Call Forwarding)

Start programming the destination for Call Forwarding by pressing "set" and the **"ISDN Call Forwarding"** key or →81.

```
ISDN CF Position 1
No entry

OK Store
```

Select a blank entry to program the Call Forwarding or overwrite an existing entry as appropriate.

Select the external phone/number of your ISDN connection for which you want to program Call Forwarding, and confirm.

```
ISDN Call Forwarding
<  Private
OK 23456781
>  Office
```

Enter the external destination number (excluding the "0" for outside line seizure) and confirm.

```
ISDN Call Forwarding
_
Enter number
OK Store
```

Select the Call Forwarding variant:
"1": Deflect all calls
"2": Deflect when busy
"3": Deflect when unanswered (after 15 seconds)

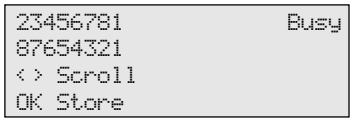
```
ISDN Call Forwarding
<  Unanswered          3
OK All                 1
>  Busy                2
```

→ - Program more call forwarding or end programming.

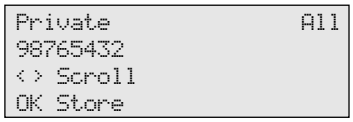
You can activate Call Forwarding by pressing the "ISDN Call Forwarding" key.

Programming Call Forwarding

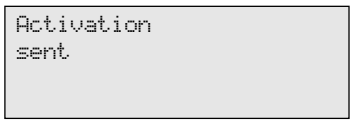
Press the **"ISDN Call Forwarding"** key. The display indicates for which external phone number in your system call forwarding is active (on) or inactive (off), to which phone number, and the forwarding variant.



You can scroll to view more call forwarding settings. In the example call forwarding is deactivated for the external phone number labelled Private.



Press OK to activate the displayed call forwarding ("on").



You deactivate an active call forwarding in the same way. Wait for the acknowledgement from the ISDN exchange to appear on the display. It may take up to 60 seconds to appear.

Press Stop to return to the default display. The symbol „»"appears on the display to indicate that call forwarding is active.

Call charges

→ 7 — Call up the „Call-charges" main menu.

```
Charges menu          7
<  Stop recording     5
OK Own charges        1
>  All charges        2
   Print charges      3
   Start recording    4
```

Call charges - Displaying the last connection/total

OK — Select the „Own charges" (→ 7 1). The call charges for your last call are displayed. **If a charge limit is entered,** the available balance remaining is displayed
or
if no charge limit is set, the sum total of current call charges is displayed.

```
Last call
                  0,12DM
Total           123,28DM
Limit            11,72DM
```

→ — Stop - Continue in the Charges menu or end programming.

Call charges - Displaying and deleting all charges

► OK — Select the „All charges" submenu (→ 7 2). If the display prompts you for the phone code, enter it in 4-digit format.

```
Charges of int.no.    11
                123,28 DM

<> Scroll
```

Enter the internal phone number directly
or
◄ ► scroll to view the call charges of the relevant user.

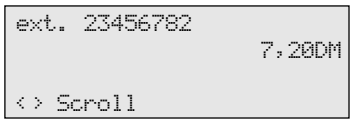
```
Charges of int.no.    23
                  9,72DM

<> Scroll
```

Clear — Clear the displayed call charges.

```
Charges of int.no.    23
cleared

<> Scroll
```

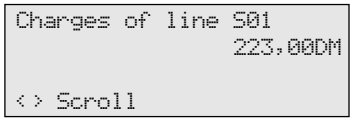
◄ ► — Scroll on to view and/or clear more call charges as necessary.

◄ ► Scroll, for example to charges recorded under an external phone number (the external number or name is displayed),

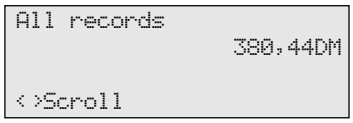


or

◄ ► Charges of a S0 line



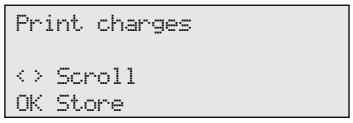
◄ ► or all charges (all records)



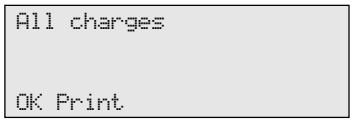
Stop - Continue in the Charges menu or end programming.

Call charges - Printing certain total connection costs

► OK Select the „Print charges“ submenu (→ 7 3). If the display prompts you for the phone code, enter it in 4-digit format.



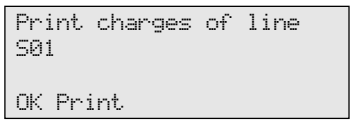
OK Confirm if you want a printout of all call charge totals (of all users, numbers, S0 lines)



or

◄ ► scroll to print specific call charges. Sequence: Users, External phone numbers, S0 lines, All records
Follow the procedure detailed under "Viewing and clearing call charges".

Example:



Confirm your selection.

Stop - Continue in the Charges menu or end programming.

Starting charge recording

►OK — Select the „Start recording“ submenu (→ 7 4). If the display prompts you for the phone code, enter it in 4-digit format.

```
Start recording
Select internal number

<> Scroll
```

Enter the internal phone number of the user whose charges you want to record directly
or
◄ ► scroll to the relevant user.

```
Start recording int.no.
13 ?
<> Scroll
OK Store
```

OK — Confirm. The user can now make calls with unrestricted outside line access.

```
Recording int.no. 13
started

OK set Stop
```

→ Stop - Continue in the Charges menu or end programming.

Stopping charge recording

►OK — Select the „Stop recording“ submenu (→ 7 5). If the display prompts you for the phone code, enter it in 4-digit format.

```
Stop recording
Select internal number

<> Scroll
```

Enter the internal phone number of the user whose charge you want to stop recording directly
or
◄ ► scroll to the relevant user.

```
Stop recording int.no.
13 ?
<> Scroll
OK Store
```

OK — Confirm. The total call charges are printed out. The user's outside line access is set to "incoming calls only".

```
Recording int.no. 13
stopped

OK set Stop
```

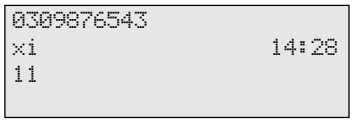
→ Stop - Continue in the Charges menu or end programming.

Viewing Your Own Call Charges

On your value added phone you can view your own call charges provided you have ordered the "advice of charge during and at end of call" feature from your network provider.

Viewing call charges during a call

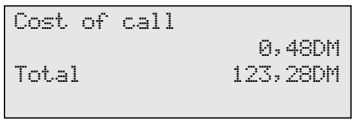
You are on an external call.



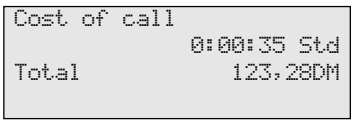
Advice of charge on your value added phone is active (→ 2 8 1), with no charge limit

In the course of an external call the current call charges are indicated on the first line of the display for a maximum of 5 seconds after each metering pulse. Otherwise the external phone number is displayed. By pressing the **"Units"** key you can view your current call charges at any time for a maximum of 5 seconds.

At the end of the call the charges of the last call are displayed for 20 seconds. Then the time is displayed.



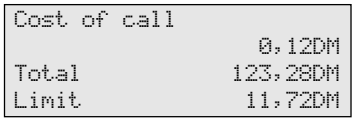
If no call charges are advised, the call duration is displayed.



Advice of charge on your value added phone is active (→ 2 8 1), with a charge limit

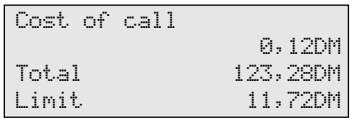
In the course of an external call the current call charge limit is indicated on the first line of the display for a maximum of 5 seconds after each metering pulse. Otherwise the external phone number is displayed. By pressing the **"Units"** key you can view your current call charge limit at any time for a maximum of 5 seconds.

At the end of the call the remaining balance is displayed for 20 seconds. Then the time is displayed.



Call charges - Viewing the charges for the last call/total charges

The receiver is on-hook. Press the **"Units"** key or → 7 1. Your call charges are displayed.



Stop — Exit the display.

Redial

Extended redial

The receiver is on-hook. Press the "Redial" key. The last dialled external phone number is displayed.

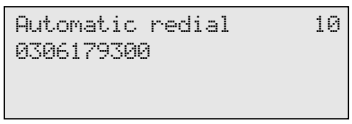
"Redial" key o. ◄ ► — Press the "Redial" key or use the arrow keys to select one of the last five external numbers dialled.

Lift the receiver. The displayed external number is dialled.

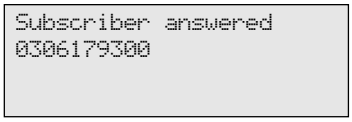
Automatic redial

You can dial any external phone number shown on the display while your receiver is on-hook.

OK — Press OK to initiate an automatic redial. The display indicates how many times the system attempts to connect to the called subscriber. Any activity on your telephone aborts the automatic redial.



When the connection is made the loudspeaker is activated. The called party answers.

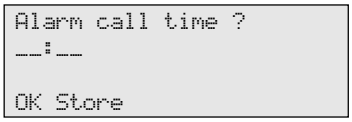


Lift the receiver or press the "Loudspeaker" key, otherwise the connection will be cut after 10 seconds.

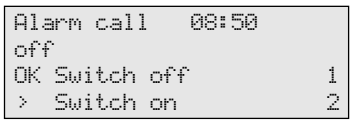
Alarm Call - Recurring Appointment

Storing an alarm call

Press "set" and the **"Alarm Call"** key or set → 1 6 to start alarm call programming.



Key in the 4-digit time and confirm. Clear any existing entry by pressing Clear or simply overwrite it.



"2": Activate alarm call. As a check a bell symbol is indicated on the display.

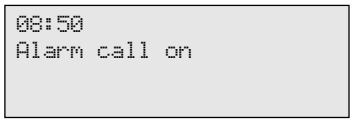
or

"1": Deactivate alarm call. You can reactivate the alarm call later by pressing the **"Alarm Call"** key. The entered time remains stored.

End programming.

Activating/deactivating an alarm call

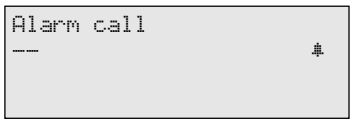
Press the **"Alarm Call"** key to activate/ deactivate the alarm call function. Example shows alarm call active.



Stop — Return to default display. As a check a bell symbol is indicated on the display.

Acknowledging an alarm call

((🔔)) — The alarm call reminder sounds at the pre-set time. It rings for a maximum of 1 minute, its volume increasing as it does so.



To deactivate the display text and the alarm call:

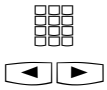
Stop — Acknowledge the alarm call. The next alarm is delivered at the same time the next day.

Storing and Dialling Speed Dial Numbers

Storing a phone number on a "public speed dial" key

Press "set" and the desired **"public speed dial"** key. For the second level, first press Y then the speed dial key.

```
Select entry ____
A ... Z
```



Locate the phone number you want from the phonebook (see "Phonebook - Dialling a number").

```
Select entry
<  Ziegler Gertrud
OK AGFEO
>  Anton
```

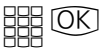
Confirm your selection.

End programming.

Storing a phone number on a "private speed dial" key

Press "set" and the desired **"private speed dial"** key. For the second level, first press ⇧ then the speed dial key.

```
Speed dial key
_
Enter number
OK Store
```



Enter the number (by way of the keypad, memory or redial function) and confirm. Clear any existing entry by pressing Clear or simply overwrite it.

```
Speed dial key
_
Enter name
OK Store
```

Enter the name - refer to the instructions under "Settings - Entering a subscriber name" - and confirm.

End programming.

Dialling a number by a speed dial key

Lift the receiver and press the speed dial key. The stored phone number is displayed and dialled. The outside line is automatically seized. When the called party answers, you can conduct your call as usual.

```
AGFEO
03061793O0
```

Protecting the Functions of the Telecommunications System against Unauthorised Use (Code Numbers)

→ 9 * Call up the „Codes“ submenu

```
Codes                 9*
<  Switchbox code      3
OK Setup code          1
>  Charge code         2
```

Setup code

OK Select the „setup code“ submenu (→ 9 * 1) to protect access to the system setup.

```
Setup code
off
OK Switch off          1
>  Switch on           2
```

Keypad "2": Activate setup code (as in example)
"1": Deactivate setup code
Clear any existing setup code displayed by pressing Clear. The setup code 2580 (default) is displayed.
Keypad OK Press OK to confirm or enter a new four-digit setup code and confirm.

```
Setup code
2580

OK Store
```

→ Stop - Continue in the Codes menu or end programming.

Charge code

◄ ► OK Select the „Charge code“ submenu (→ 9 * 2).
to protect access to the functions under → 7.

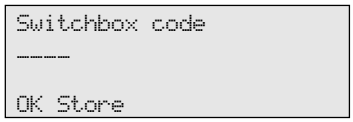
```
Charge code
____

OK Store
```

Clear any existing charge code displayed by pressing Clear and confirm with OK
or
Keypad OK enter a new four-digit charge code and confirm.

→ Stop - Continue in the Codes menu or end programming.

Switchbox code

[OK] Select the „switchbox code“ submenu ([→] [9] [*] [3]). The switchbox code protects access to the telecommunications system’s switchbox. Without this code the switchbox is inactive.

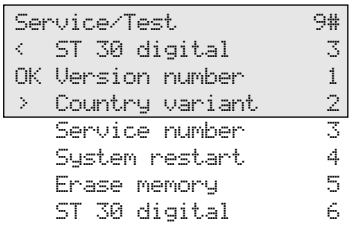


Clear any existing switchbox code displayed by pressing [Clear] and confirm with [OK]
or
[⌨] [OK] enter a new four-digit switchbox code and confirm.

[→] [Stop] - Continue in the Codes menu or end programming.

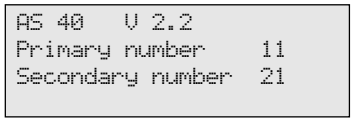
Service / Test

[→] [9] [#] Select the „Service/Test“ If the display prompts you for the setup code when you press 9, enter it in 4-digit format.



Version number

[OK] Select the „Version number“ submenu ([→] [9] [#] [1]). Information displayed: System type, software version number, primary and secondary internal phone numbers.



[→] [Stop] - Continue in the Service/Test menu or end programming.

Country variant

[◄] [►] [OK] Select the „Country variant“ submenu ([→] [9] [#] [2]).

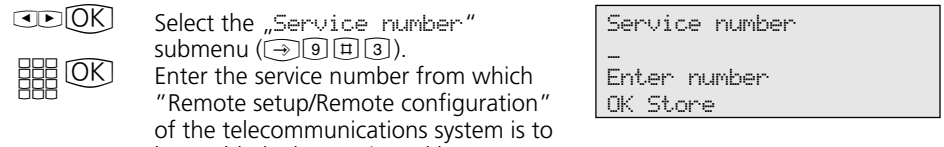
[→] [Stop] - Continue in the Service/Test menu or end programming.

Service number

◄► OK — Select the „Service number“ submenu (→ 9 # 3).

OK — Enter the service number from which "Remote setup/Remote configuration" of the telecommunications system is to be enabled when activated by you (→ *) .

```
Service number
_
Enter number
OK Store
```

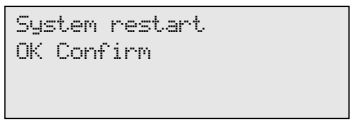


→ — Stop - Continue in the Service/Test menu or end programming.

System restart

◄► OK — Select the „System restart“ submenu (→ 9 # 4).

```
System restart
OK Confirm
```



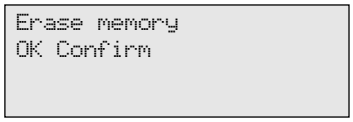
OK — Perform a system restart (reset). All connections are cut and programming is aborted.
or

→ — Stop - Continue in the Service/Test menu or end programming.

Erase memory (default condition)

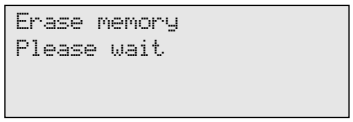
◄► OK — Select the „Erase memory“ submenu (→ 9 # 5).

```
Erase memory
OK Confirm
```



OK — Erase the memory. This takes about 2 minutes. All connections are cut and programming is aborted. The system is reset to its default condition.
or

```
Erase memory
Please wait
```



→ — Stop - Continue in the Service/Test menu or end programming.

ST 30 digital

For instructions on operation see "Registering the internal number of the telephone" under "Commissioning".

Remote Setup/Remote Configuration

Enabling remote servicing

(→) (*) Select the "Remote service" main menu.

Enter the remote servicing number (programming access phone number).

OK Confirm with OK.

Choose whether remote servicing is to be enabled.
"1": Without access to the central phonebook
"2": Complete with access to the central phonebook.

(→) End programming. Remote servicing is permitted for 8 hours.

```
Remote service number
_
Enter number
OK Store
```

```
Remote service
030123456789
OK Without phonebook   1
 > With phonebook      2
```

Menu Tree

→ 1

Leistungsmerkmale	1	
< Busy on Busy	#	
OK Call Variant 2	1	- Night service on/off
> Do-Not-Disturb	2	- Internal/external, on/off
Telephone lock	3	- On/off
Second Call Busy	4	- On/off
Enter appointment	5	- Time, date, on/off
Enter alarm time	6	- Time, on/off
Divert to	7	- Internal user/External subscriber, on/off
Divert from	8	- Internal user, on/off
Call forwarding	9	- Internal Call Forwarding, on/off
Room monitoring	0	- On/off
Autodial	*	- On/off
Busy on Busy	#	- External number, on/off

→ 2

Phone setup	2	
< Direct outward dial	#	
OK Ringer volume	1	- Set
> Ring tone	2	- Set
Display contrast	3	- Set
Automatic mike	4	- Activate/deactivate
Loudspeaker volume	5	- Set
Headset volume	6	- Set
Phone code	7	- Enter to lock your telephone
Charge display	8	- Activate/deactivate
Status display	9	- Activate/deactivate
Language	0	- Display texts (German/English/...)
Call list	*	- On/off/With name only
Direct outward dial	#	- Automatic line seizure, on/off

→ 3

Keys/Internal names	3	
OK Function keys	1	- Change key assignment
> User names	2	- Enter

→ 4

Speed dial keys	4	- Numbers/names

→ 5

Central numbers	5	
< Autodial	6	
OK Add entry	1	- Phonebook number/name
> Edit entry	2	- Phonebook number/name
Clear entry	3	- Clear
Emergency numbers	4	- Enter
Direct call number	5	- Enter
Autodial	6	- Enter number

→ 7

```
Charges menu          7
<  Stop recording     5
OK Own charges        1
>  All charges        2
   Print charges      3
   Start recording    4
   Stop recording     5
```

- Display
- Users/Ext./S0/All records
- Users/Ext./S0/All records
- Start for user
- Stop for user

→ 8

```
ISDN features         8
<  Number->COLP       3
OK ISDN-CF            1
>  Number->CLIP       2
   Number->COLP       3
```

- Ext.no./All/Busy/Unanswered
- On/off
- On/off

→ 9

```
Phone system          9

OK Codes              *
>  Service/Test       #
```

→ 9 *

```
Codes                 9*
<  Switchbox code     3
OK Setup code         1
>  Charge code        2
   Switchbox code     3
```

- Enter
- Enter
- Enter

→ 9 #

```
Service/Test          9#
<  ST 30 digital      8
OK Version number     1
>  Country variant    2
   Service number     3
   System restart     4
   Erase memory       5
   ST 30 digital      6
```

- Display
- Display
- Enter number
- Reset
- Default condition
- Logon

→ *

```
Remote service number
_

OK Store
```

- Enter number

```
OK Without phonebook  1
 >  With phonebook    2
```

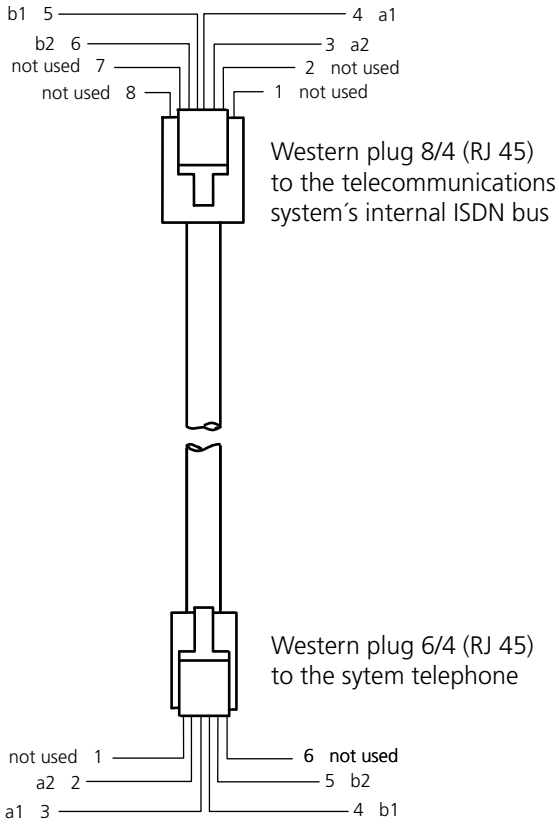
- Enable
- Enable

→ #

```
AS40   V 3.0
Primary number 11
Secondary number 21
```

- System type/software version
- Primary internal phone number
- Secondary internal phone number

ISDN connecting cable ST 30 - Terminal assignment



CE

This appliance conforms to the following EU Directives:
73/23/EEC, Low voltage equipment
89/336/EEC, Electromagnetic compatibility
The telephone bears the CE mark accordingly.

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