SHORT USER MANUAL
SYSTEM PHONE
BINTEC CS300

BinTec
Communications

Contents

1   Introduction

BinTec CS 300 system telephones are manufactured exclusively for BinTec by elmeg, the leading manufacturer of ISDN telephones and PABX systems.Not all features described in the User's Manual are currently available with your XCENTRIC.Latest implementation data is available for you at:
http://www.bintec.de/XCENTRIC/de/loesungen/index.html

2   Description

These operating instructions describe the functions for the Bin Tec CS300 ISDN telephone.

You can connect the ISDN telephone at the Euro-ISDN point-to-point connection (DSS1 protocol) provided by your network service provider, or at the internal ISDN connection (point-to-point connection DSS1 protocol) in a PABX system. The ISDN telephone is linked to the ISDN network via an ISDN jack (Western or RJ45). After being connected to the ISDN network, your ISDN telephone is immediately ready for operation and can fully utilize its configured performance features.

Up to eight (8) ISDN terminal devices can be connected and managed at a network termination of a network service provider. Of these eight (8) available lines, one supply line (max. 4 W) is available for ISDN telephones without their own internal power supply. A link can be set up simultaneously for two (2) ISDN terminal devices at each base access terminal (2 B channels, 1 D channel).
An internal ISDN connection for a PABX system is comparable to an ISDN base access terminal (point-to-point connection) of a network service provider. Up to eight (8) ISDN terminal devices can be connected and managed at each internal ISDN connection. The power available at this internal ISDN connection determines how many terminal devices can be supplied with power by the PABX system. Refer to the operating instructions for your PABX, or contact the PABX manufacturer for more details about this. A link can be set up simultaneously for two (2) ISDN terminal devices at each internal ISDN connection.

The CS300 ISDN telephone provides certain system features when connected to an XCentric. The internal connection (S0 bus) on this PABX system interfaces with the CS300 ISDN telephone. Please refer also to the User's Manual for your XCentric.

2.1   Safety instructions

- Unauthorized opening of the system telephone and improper repairs may result in risk of injury for the user.

- Do not expose the inside of the system telephone to any liquids. This can result in electric shock. If you expose the inside of the telephone to liquids the telephone can be destroyed.
- You should not connect or disconnect any lines during thunderstorms.
- To prevent mutual interference, do not install your system telephone in the immediate vicinity of electronic devices such as stereo equipment, electric office equipment or microwave units.

Avoid installing your PABX near sources of excessive heat, e.g. radiators or in rooms with excessive humidity.

The ambient temperature must not be below 0° and should not exceed 40°C.

2.2   Contents of package

- BinTec CS300 ISDN- telephone
- handset with handset connecting cord
- ISDN connecting cord (approx. 3m)
- RS232 connecting cable RJ12 / D-SUB 9-pin (approx. 3m)
- operating instruction
- Label for direct dialing/function keys
- WIN-Tools CD-ROM with: detailed operating instruction;
  configuration manager, telephone directory manager and download manager;
  TAPI driver
  Adobe Acrobat file for the printing of individual labels

2.3   Cleaning and maintenance

The ISDN system telephone has been manufactured for normal, everyday use. When required, clean the ISDN system telephone with a slightly moistened cloth, or with an anti-static cloth. Never use a solvent to clean the phone! Never use a dry cloth. Electrostatic charges could damage the electronics in the system. It is essential that no liquids penetrate into the inside of the ISDN system telephone, as this could destroy the phone.

2.4   Placing the telephone

Please note that the plastic feet of your ISDN system telephone may leave marks on sensitive surfaces, such as furniture. The manufacturer of the ISDN system telephone is not liable for any such damage. Therefore, use appropriate non-skidding pads under the phone.

2.5   User interface of your system telephone


```
01.04.00 10:34        ÷
tbook   vip  quiet
```
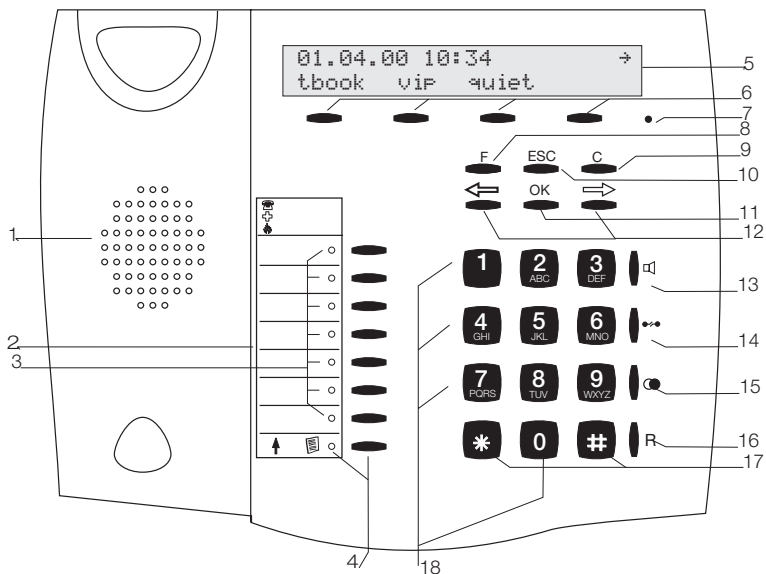
1 Speaker	10 Escape
2 Label panel for VIP keys and function keys	11 Acknowledgement
3 7 direct dialing/ function keys with LED	12 Arrow buttons »left« / »right«
4 Shift button with LED	13 Open listening/ hands-free
5 Display	14 Disconnect
6 4 softkeys	15 Redial
7 Microphone	16 Enquiry
8 Function key	17 Asterix button / number symbol
9 C-button	18 Dial / VIP buttons

Fig. 1: User interface of your telephone

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2.6 Display, Buttons and Pictographs

2.6.1 Display

Date   Time

24 chars

1st line —————
2nd line —————

```
01.04.00 10:34          →
tbook   vip   quiet
```

Text assignment to softkey

4 softkeys

Arrow: further menu items accessible with arrow buttons
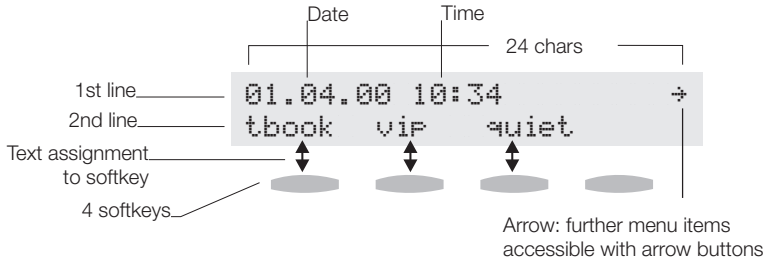
Fig. 2: Display of your telephone

After you connect the system to the ISDN connection, the date and time are shown on the top line of the display. The date and time are imported automatically from the PABX system, or from the ISDN network when you have successfully made a call. Terms are displayed in capital and small letters on the first line. The functions of the softkeys are displayed in capital or small letters (depending on your settings) in the second line.

```
01.04.00 10:34          →
tbook   vip   quiet
```

The text displayed for a function on line 2 is always located above the corresponding softkey. When you press the softkey, the next level is displayed.

```
        Functions
audib adjust prog config
```

2.6.2   Buttons

F   Function button: This key opens the programming menu. If you are already located in a menu and then press the key, either menu-specific functions are shown, or you are moved back one programming step.

```
          Functions
audib adjust prog config
```

ESC   Escape button: Pressing the Esc button during programming returns the telephone to its idle status.

```
          Functions
audib adjust prog config
```

OK   OK key: Pressing this button stores a setting in the telephone. You then hear the acknowledgement signal.

C   C-button: Press this button to move back one menu step in the menu. If you are currently in the input mode, this button can be used to delete individual characters.

⇐ ⇒   Arrow buttons: The arrows »←« and »→« in the right corner on the top line of the display indicate that you can call up further functions on the second line using the arrow buttons.

```
01.04.00 10:34         →
        vip  quiet
```

```
01.04.00 10:34        ←→
unpark       rate
```

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Special feature for changing existing entries

You have various options available to you for changing existing entries (e.g. names or numbers).

Example 1:
You wish to change an existing number / MSN (see page 12), as the telephone is to be used at a different ISDN connection.

| ▦ | When you use the pushbutton set to enter the first digit of the new number the existing number is deleted completely. | `program dial number`
`MSN1>123456` |

| | | `program dial number`
`MSN1>9_` |

| ▦ | Enter the other digits of the new number. | `program dial number`
`MSN1>987654_` |

Example 2:
You wish to change parts of a name in a telephone directory listing (see page 16), because the name has changed (e.g. after a wedding).

| ⇐ ⇒
C | Using the arrow keys, first select the letters of the entry that are to be changed (in this example: the surname »MILLER«) and delete this name using the C button. | `Change tbook data input`
`name>TINA_MILLER` |

| | | `Change tbook data input`
`name>TINA _` |

| ▦ | Now enter the new letters for the new name (in the example the surname »PETERS«). | `Change tbook data input`
`name>TINA PETERS_` |

2.6.3 Entering letters and numbers

The following buttons are configured for the entry of letters and numbers (e.g. telephone directory, VIP-memory).

Button	1. press	2. press	3. press	4. press	5. press	6. press
1	1					
2 ABC	A	B	C	2	Ä	
3 DEF	D	E	F	3		
4 GHI	G	H	I	4		
5 JKL	J	K	L	5		
6 MNO	M	N	O	6	Ö	
7 PQRS	P	Q	R	S	7	ß
8 TUV	T	U	V	8	Ü	
9 WXYZ	W	X	Y	Z	9	
0	(space)	.	,	-	0	/
✳	*					
#	#					

2.6.4   Pictographs

The pictographs (symbols) described in the following have been used in these operating instructions to illustrate some procedures for setting and using the telephone.

↑	Lift up the handset, activate hands free calling, or start initializing selection.
↓	Hang up the handset and end hands free calling. The telephone is idle.
«▷»	A call is signaled. The ringing tone melody sounds.
♪	You are conducting a call.
✳	A three-party conference call is initiated.
⊶	You hear the positive or negative acknowledgement signal.
▦	Select the number, code, character or text.
0 ... 9 ✳, #	Press the appropriate button on the pushbutton set.

3 Installation of the telephone

3.1 Connection of the handset connecting cord

Connect the handset cord as shown in Figure 3. Lay the handset cord in the cord groove and lock it below the two cord retainers.

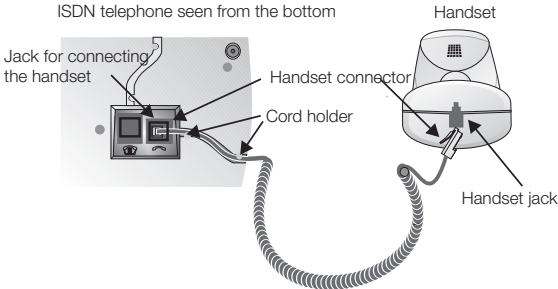Fig. 3: Connection of the handset connecting cord

3.2 Connection of the ISDN connecting cord

Connect the ISDN cord as shown in Figure 4. Then lay the ISDN cord in the cord groove and lock it below the two cord retainers. Ensure that the longer ISDN connector is plugged into the ISDN jack and the shorter ISDN connector into the ISDN jack on the telephone.
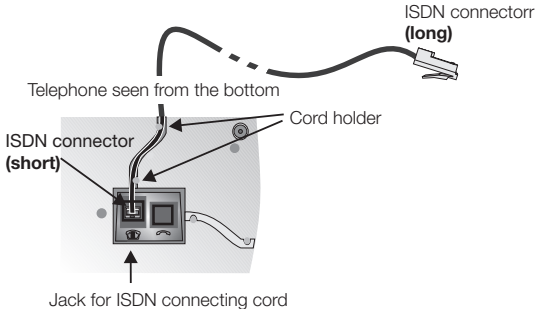
Fig. 4: Connection of the ISDN connecting cord

3.3   Connection of the telephone to the PC

Connect the cable RS232(V.24) as shown in figure 5. Plug the RJ12 connector into the RJ12 jack on the back of the telephone and the 9-pin D-SUB connector onto the corresponding connecting jack of your PC.

Only use the RS232(V.24) cable delivered with the system, as this is not a standard serial cable.

Jack(RJ12) for connecting the RS232(V.24) cable

RS232(V.24) connector (RJ12)

RS232(V.24) connector (D-SUB 9 poles)

Telephone seen from the back
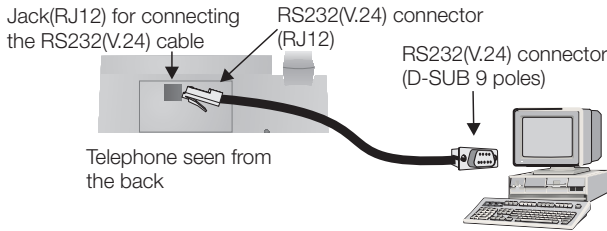
Fig. 5: Connecting of the telephone to the PC

RS232(V.24) cable

RS 232(V.24) connector (9 poles)

```
1
2 o———————o 3
3 o———————o 4
4
5 o———————o 6
6 o———————o 1
7 o———————o 2
8 o———————o 5
9
```

RJ12 connector (6-poles)

Fig. 6: RS232 (V.24) cable

4   Settings

4.1   Telephone numbers (MSN or extension number)

Up to 10 MSNs (extension numbers) can be configured on your telephone. When you enter an MSN or extension number in your ISDN system telephone you are essentially defining that your ISDN system telephone is called using this MSN or extension number when a call is made. If you enter more than one MSN (extension number) in your ISDN system telephone, your phone will ring each time one of these MSNs (extension numbers) is called.
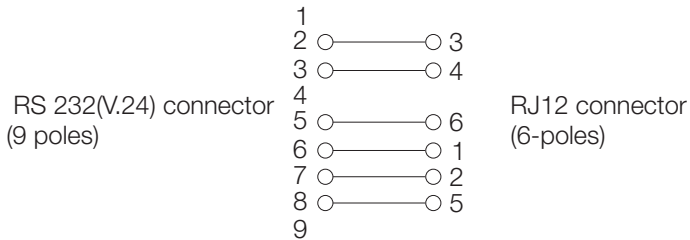
If you are using your telephone on the external ISDN port of your service provider, program your telephone with the MSNs or extension numbers allocated to you by the network service provider. Usually your network service provider will provide you with 3 MSNs (extension numbers). You can apply for further MSNs (extension numbers) from your network service provider.

When you operate your telephone on the internal ISDN connection of a PABX you must enter the internal instead of the external number of your telephone at the PABX. Please observe the instructions in the XCentric manual.

You can define and set a name, a specific melody and its volume for each MSN or extension number that you enter. If, for example, you assign the name »priv.«to a number, »priv.« will appear in the display instead of »msn-1« when that phone is called.

When you call a subscriber, you can select a certain number (MSN) that is transmitted to the subscriber (e.g. for separate charges). If you do not select any number, the number (MSN) that has been entered first in the phone (MSN-1) is used.

> How to configure an MSN (extension number) is described in the following example with MSN1.

4.1.1   Entering MSNs

Begin as follows:

| | | config | msn | ⇐ ⇒ | msn-1 | tnumb |

| | Enter the number (max.26 digits). In the example here: »123456«. | program dial number MSN-1>123456 |

| OK | Confirm your entry by pressing OK. | MSN-1 program   → tnumb sound volume x-fer |

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4.1.2   Other settings for each MSN (extension number)

▔↓▔   ▬   ▬   ▬   ▬
          F
               config   msn   msn-1

You can now make other settings for the selected MSN.

```
    MSN-1 program       ⇒
tnumb sound volume x-fer
```

▬   »sound«   Setting the call signaling melody

▬   »volume«   Setting the volume of the call signaling melody.

▬   »x-fer«   Default setting of an MSN for forwarding of calls (Call Deflection).

▬   »msn_name«   Assign a name to the MSN (max. 5 characters) that is to be shown in the display instead of »msn-1«.

▬   »rate«   Setting up of a charge detail account that is available for making charged calls (for transferring of this outgoing MSNs).

4.2   Volume Settings

- You can make the following acoustic settings at this telephone:
- Speaker volume, set or temporary
- Repeat and volume of the call waiting signal
- Acknowledgement tones, never, for wrong number, or always
- Handset volume, set or temporary
- Volume for the notice signal with the function »Don't disturb«

For more information about these acoustic settings refer to the detailed Operator's Manual on the enclosed CD.

4.3   Call forwarding (call rerouting)

With this telephone you can be reached, even if you are not in the vicinity of your phone. This is made possible by automatic forwarding of calls to any other number.
Call rerouting can be configured separately for any of the entered numbers (MSNs). To utilize the call rerouting function you must have already configured at least one phone number.

The following settings are possible for all MSNs or extension numbers.

»delayed«   Call forwarding delayed
                   All calls for the number for which delayed call forwarding has been con-
                   figured are signaled for a defined time at the exchange office or in the
                   PABX and are then forwarded when this period expires.

»busy«   Call forwarding on busy:
                   The calls for a defined number are forwarded only when the telephone
                   is busy.
                   (For example: There are already two (2) connections made, or one
                   connection has been made and call waiting is not permitted.)

»fixed«   Permanent call forwarding
                   All calls for a number for which "fixed" call forwarding has been confi-
                   gured are rerouted. Your telephone will not ring, when this number is
                   called.

> The following example describes how to set up MSN 1 for permanent call forwar-
> ding.

4.3.1   Activating call forwarding

Begin as follows:

☎	F	●	●	●	●
		adjust	forward	fixed	msn-1

⌨   Enter the number to which the calls are to   `Call forwarding direct`
         be forwarded.   `MSN-1>0123456789_`
         In this example: »0123456789«.

OK   Confirm your entry by pressing OK. Call forwarding has been registered. The three dots at the right lower corner flash alternately.

```
Call forwarding direct
MSN1>0123456789      ...
```

Call forwarding has been configured. You see this display for about 10 seconds.

```
MSN-1
 Direct call forwarding!
```

```
    call forwarding
 off delayed busy  fixed
```

4.3.2   Deactivating call forwarding

Begin as follows:

☎   F   ▬   ▬   ▬   ▬

           adjust   forward   off   msn1

4.4   Call waiting

If, during an ongoing call, a second call comes in for you, the second call is signaled when "Call waiting on" is set. When "Call waiting off" is set, the caller only hears a busy signal.
A waiting call is indicated by a brief acoustic signal in the handset and also displayed. You can set the volume of the call waiting signal and select whether a waiting call is to be signaled only one time, or several times.

When »Station guarding« is set, the call is indicated as described on page 25. If you have configured "Hands-free calling" for an active connection, waiting calls will only be signaled optically in the display.

Begin as follows:

☎   F   ▬   ▬

           adjust   wait

▬   Press the softkey below »no« to inhibit the call waiting function. Use the softkey below »ok« to enable the call waiting function.

```
 Call waiting enable?
No    ok
```

```
     Settings       →
forward wait      date
```

4.5   Other Settings

- You can also make the following settings at your telephone:
- Appointments
- Call filter
- Date and time
- Control settings (Softkey display, Headset, etc.)
- Direct dial-in call
- MSN display
- Display during an ongoing call
- Display language
- Dialing filter
- Safeguard configuration using PIN (Password)
- Charge rate information /Tariff factor, Currency, etc.)
- Standard Park code
- Emergency operation

Making and using these settings is explained in the detailed Operator's Manual on the enclosed CD.

4.6   Programming the phone directory

You can store up to 250 names (20 characters max.) and telephone numbers (26 digits max.). To select a name, you can page through the directory using the arrow buttons, or enter the specific first letter(s) of the name using the pushbutton set.

If the name of the caller is to be shown in the display instead of the caller's number, this number must be entered in the telephone directory with that name (including prefix and, when used with a PABX the line access digit).
Display of the caller name is only made when the transmitted number corresponds to the number stored in the phone directory.

If the telephone is disconnected from the ISDN network and then reconnected, or if the data for the telephone directory are transferred to the system telephone via the PC program, the directory must be reorganized internally. This process takes place automatically and may require a few minutes. During this time, the telephone directory of your telephone is not available for use.

4.6.1   Directory entries

Each button of the pushbutton set is labelled with three or four letters of the alphabet. You can advance through the letters by pressing the appropriate button repeatedly (see page 7). The letters are shown in the display one after the other as you press the button. If there are two consecutive letters on the same button of the pushbutton set, press the right arrow button after entering the first letter and then enter the next letter. You can also change the position where the letters are entered using the arrow buttons (e.g. for entering a space).

Begin as follows:

🔽	F	▬	▬	▬
		Prog	tbook	new

▦	Enter the name.	` Input  telephone  book`
	In this example: »J.DEAN«.	`name>J.DEAN`
OK	Confirm your entry by pressing OK.	

▦	Enter the telephone number.	` Input  telephone  book`
	In this example: »0987654321«.	`tnumb>0987654321`
OK	Confirm you entry by pressing OK.	

	If you wish to make further entries proceed	`Tel. drctry`
	as described above.	`◇     delete list   new`

4.6.2   Editing entries in the directory

Begin as follows:

🔽	F	▬	▬	▬
		Prog	tbook	list

▦	Enter the first letter of the directory entry	` Make initial select.`
⬅ ➡	and/ or search it with the arrow buttons.	`name>M`

OK	Confirm your entry by pressing ok.	

C	Delete the existing characters by pressing	`Change tbook data input`
	the C button.	`name>J.DEAN`

🔢	Enter the new letters. In this example: »J.DEANNOY«.	`Change tbook data input` `name>J.DEANNOY`
OK ▬	Confirm your entry by pressing OK.	

C ▬	Delete the existing telephone number by pressing the C button.	`Change tbook data input` `tnumb>0987654321_`

🔢	Enter the new number. In this example: »0123456789«.	`Change tbook data input` `tnumb>0123456789_`
OK ▬	Bestätigen Sie die Eingabe mit OK.	

	To edit further entries proceed as described above.	`name>J.DEANNOY` `T:0123456789`

4.6.3   Further information about the phone directory

For further information about the telephone directory for your phone refer to the detailed Operator's Manual on the enclosed CD. For example, deleting phone directory entries, reorganization of the phone directory, assigning special call ringing signals to individual phone directory entries.

4.7   Programming VIP numbers

You can program VIP numbers for each of the ten buttons 1 ... 0 including a name (20 characters max.) and a telephone number (26 digits max.).

4.7.1   Programming VIP entries

The following example describes how to program a VIP entry for destination »V5«. If you wish to program further entries, proceed as described for »V5«.

Begin as follows:

↓☎	F ▬	▬	▬	▬	⇐ ⇒	OK ▬
		Prog	vip	new	Select VIP destination	

🔢	Enter the name of the VIP entry »V5«. In this example: »BEATRICE«.	```Program VIP name V5:BEATRICE_```
OK	Confirm your entry by pressing OK.	

🔢	Enter the telephone number. In this example: »0123456789«.	```Program VIP number V5>0123456789_```
OK	Bestätigen Sie die Eingabe mit OK.	```Reprogram VIP ↔ V5:BEATRICE```

4.7.2   Editing VIP entries

Begin as follows:

↓☎	F	━	━	━	⇐ ⇒	OK
		Prog	vip	list	Select VIP destination	

C	Delete the existing entry by pressing the C button and enter the new name for this VIP entry.	```Program VIP name V5:BEATRICE```
🔢	In this example, the name is left unchanged.	
OK	Confirm your entry by pressing OK.	
C	Delete the existing telephone number by pressing the C button.	```Program VIP number V5>0123456789```
🔢	Enter the new number. In this example: »0987654321«.	```Program VIP number V5>0987654321_```
OK	Confirm you entry by pressing OK.	``` Select VIP ↔ V5:BEATRICE```

4.8   Programming direct dialing numbers

Direct dialing is initiated using the direct dialing keys ☰ . Each of the 7 keys can be programmed with two direct dialing numbers. Using the Shift button you can switch between the two levels for direct dialing. Pressing the shift button is indicated by »[↕]« on the top line in the display.
You can also program other typical system functions for the direct dialing buttons in addition to the ones described here.

4.8.1 Programming dtmf or keypad sequences

The following example describes how to program the direct dialing button 5. If you wish to configure further buttons proceed as described for Button 5.

Begin as follows:

⬇ ☎	● F	● Prog	● direct	● new	⬅ ➡ Select direct dial button	OK

▦   Enter the telephone number or the dtmf/keypad sequence (26 digits max.).
In this example: Telephone number »0123456«.

```
 Program keys
5_> 0123456_
```

If you wish to program a tone frequency or keypad sequence press the Shift button and set the desired entry mode in the display before you input the digits.

(No character)	Telephone number
»T«	DTMF sequence (Tone frequency dialing)
»K«	Keypad sequence (Keypad function)

OK   Confirm your entry by pressing OK.

```
Prog. new direct dial ↔
5_:  0123456
```

4.8.2 Programming a function

You can program the following function for the direct dialing keys of your phone:

- MSN assignment (transmitting of a defined MSN to the party you are calling)
- Carrier/Provider prefix (prefix for a defined network service provider code)
- Activating/Deactivating the call filter
- Activating/Deactivating call rerouting
- Activating direct dial-in calling

Settings

Programming function keys

The following example describes how to program the function key 2a. If you wish to program other buttons, or edit an already programmed button, proceed as described for Button 2a.

Begin as follows:

⤹	F	—	—	—	⇐ ⇒	OK
		Prog	direct	function	Select direct dial button	

⇐ ⇒ OK	Use the arrow keys to select the desired function. In this example: »call forwarding«. Confirm your choice by pressing OK.	Function for key 2a?↔ call forwarding
▦	Enter the index of the telephone number (MSN) that is to be forwarded. In this example: Telephone number with index »3«.	2a / call forwarding number>3_
▦	Indicate the type of call rerouting. »1« - permanent »2« - delayed »3« - on busy In this example: »2«.	2a / call forwarding number>32_
▦	Enter the number to which the calls are to be forwarded. In this example: »123456«.	2a / call forwarding number>32123456
OK	Confirm your entry by pressing the OK button. You will then see the button programming. In this example: Call rerouting "delayed" for number (MSN) 3 to the final number 123456.	Prog. new direct dial ↔ 2a:F MSN3,delaye→123456

Settings

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4.8.3   Programming the elmeg T300 keyboard extension

If you are using your telephone with the elmeg T300 keyboard extension module, you can also conduct two-level programming for a further 24 buttons. You can program numbers (DTMF or keypad sequences) and functions for these buttons. When you are using the BinTec CS300 together with an XCentric, you can program the typical system features.
You can get to the second level on the keyboard extension module by pressing the Shift button on your phone.

> For more information about the direct dialing keys, programmable functions and configuration of keys on the elmeg T300 key extension module, refer to the detailed Operator's Manual on the enclosed CD.

4.9   Additional Information in the Display

When the telephone is in the idle state, addi-tional information about functions/perfor-mance features that have been configured are shown on the top line of the display. In this example: »DVqC«.

```
01.04.00 10:34   DVqC  →
tbook  vip  quiet
```

To obtain further information about set functions press the right arrow button and then the softkey below »info«.
If several functions have been set, press the arrow button or the softkey below »info«, to view the various settings.

```
01.04.00 10:34   DVqC ↔
unpark      charges info
```

```
Call forwarding direct↔
(1→0123456789)     info
```

Displays	Configured function
»D«	Active date set
»V«	Dial control, call filter or configuration protection active
»q«	Function »Station guarding« (only brief signal) active
»Q«	Function »Station guarding« (complete) active
»C«	call forwarding active

Settings

5   Settings at a PABX

You can make the following settings when you use your telephone at an internal ISDN PABX system. Configuration of these settings is described in the detailed Operator's Manual on the enclosed CD.

- Max. MSN length that is to be assigned to the internal subscribers of a PABX system
- Automatic access to outside line
- Line access digit (digit(s) that must be dialed to conduct calls to "outside" lines)
- Setting the type of PABX system
- Emergency operation
- Function keys for XCentric

If you are using your telephone with XCentric you can program the existing direct dialing keys with functions that are typical for your system.

6   Operation

6.1   Starting a call

6.1.1   Dial number - no correction possible

Dial number

6.1.2   Dial number - correction possible

Dial number

To change the number or to correct a wrong entry, select the wrong figure with the arrow buttons and press ☏ to delete it.

If you wish to conduct the call using the handset, just lift it up after dialing the number. Any time during a call you can switch back and forth between hands-free calling, speaker function and use of the handset.
After you have dialed the number you can also press the speaker button to have the number dialed and to use hands-free calling.
If a call can not be put through, (e.g. number is inhibited via the calling filter, or the account for the number/MSN is empty), this message will appear in the display »number inhibited«.

6.1.3   Other options for dialing without lifting the handset

The option of dialing without lifting the handset and of correcting or adding to a number also exists during dialing:
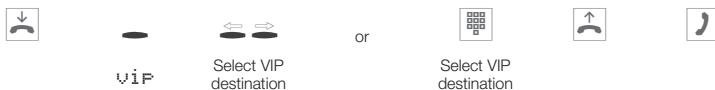
- from the redialing memory (see page 26).
- from the caller/memo list (see page 27).
- from the telephone directory (see page 15).
- from the VIP memory (see page 17).
- from the direct dialing memory (see page 18).

If you are using one of these options, you can make further entries prior to initiating the call. You can define which number (MSN), if any, is to be transmitted to the party being called.
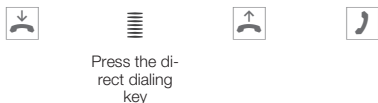
Dialing from the telephone directory

↓⌣	▬	▦	and / or	⇐ ⇒	↑⌣	𝄩
	tbook	Enter first letter.		Select entry		

Dialing from the speed dialing memory

↓⌣	▬	⇐ ⇒	or	▦	↑⌣	𝄩
	vip	Select VIP destination		Select VIP destination		

Dialing from the direct dialing memory

↓⌣	☰	↑⌣	𝄩
	Press the direct dialing key		

6.1.4   Initiating a call using a set number (MSN)

You can conduct an internal or external call such that a defined number (MSN) is transferred from your telephone to the party you are calling. This number must have been entered previously in your telephone. When you call, either number that is transmitted is shown in the second line of the display (»msn1…msn10«) or the name that you have assigned to this number (MSN). You can initiate dialing using the set number (MSN) as explained in the following, or you can use a programmed function key for this.

↓⌣	▦	OK ▬	F ▬	▬	▬	↑⌣	𝄩
	Dial number			msn	msn1 ... msn10		
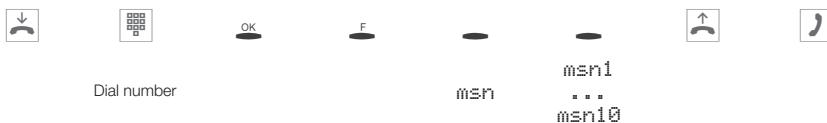
6.1.5   No number transmission

During an external or internal call, you can prevent the number from being transmitted (displayed) to the party you have called. You can set this function specifically for the next call, or permanently.

↓⌣	▦	OK ▬	F ▬	▬	↑⌣	𝄩
	Dial number			secret		

6.2   Accepting a call

In its initial state the telephone will accept all calls, regardless of the service or the selected MSN. If two calls are signaled simultaneously the first one is accepted when you lift the handset. The second call is then no longer signaled or indicated in the display. The second caller will then hear the busy signal.
The telephone number of the caller is shown on the first line in your display. The second line shows the MSN on the right (msn1...msn10), or the name of the MSN under which this particular telephone number is entered.

⤓̱	«◁»	↑̱	꒡

No number transmission

When a call is signaled, you can decide before accepting the call whether your number is to be transmitted to the caller. If your phone is the final destination of call rerouting you can use this procedure to prevent the caller from seeing the final destination phone number (i.e. yours).
You can set this function specifically for the next call, or permanently.

⤓̱	«◁»	⇒	▬	↑̱	꒡
			secret		

6.3   »Station guarding«

You have the option of setting your ISDN system telephone to "Station guarding". In the idle state an »r« or »R« in the upper line of the display shows that the function »Station guarding« is activated.

»no«   The function »Station guarding« is deactivated.

»complete«   Calls are signaled optically only (»R« shown in the display).

»ok«   Calls are signaled first by a brief acoustic signal and then only optically
                     displayed (»r«).

⤓̱	▬	▬
	quiet	no/complete/ok

6.4   Redialing

The previously dialed telephone number is stored in the redial memory.

> If the connection between the ISDN system telephone and the ISDN network is in-terrupted, the redial memory is deleted.

| ↓☎ | ↑☎ | ⑊• | ☏ |

6.4.1   Expanded redialing

In the expanded redialing function the 20 previous calls, connections and dialed tele-phone numbers are stored. You can view these by pressing the ⑊• button or the arrow buttons and subsequently have them redialed automatically.

| ↓☎ | ⑊• | ⑊• | OK̲ | ↑☎ | ☏ |
| | | Select entry | | | |

The last dialed number is displayed. At the end of the second line the status of this entry is indicated by the letters displayed there.

»ט«	connection
»Я«	Call-Box
»◫«	Calls configured for automatic redialing.
no entry	You placed a call to somebody but did not reach him/her, or his/her line was busy.

If you wish to clear an MSN from the expanded automatic number redialing, to import an MSN into the memo list or phone directory, refer to the corresponding section in the de-tailed Operator's Manual on the enclosed CD.

6.4.2   Automatic redialing

If you placed a call to a subscriber whose number is busy or who does not answer, you can then activate automatic redialing which will call that same subscriber again after about 10 seconds.

| ↑☎ | ▦ | ☏ | ⑊• | or | ━ | ↓☎ |
| | Dial number | Subscriber busy or does not answer | | | autodial | |

26
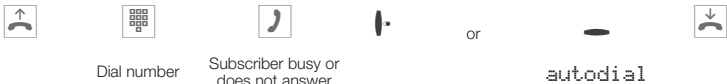
After around 10 seconds the hands-free calling function of your phone is activated and the number is dialed automatically.
This is repeated for up to around 2 minutes.
Up to 20 call attempts are made if the subscriber can still not be reached.

> If you hear the busy signal you can cancel automatic redialing by pressing the redial button.

Suspending automatic redialing

You can suspend automatic redialing that you have started any time using the appropriate procedure and place a normal call. To suspend automatic redialing, press the button ▮◁ during automatic redialing.
After the call automatic redialing starts again.

Deactivating automatic redialing

You can deactivate automatic redialing at any time. There are no further call attempts.

To deactivate automatic redialing during automatic dialing press ⎯ᴱˢᶜ.

If you like to deactivate automatic redialing in the idle state of the phone, proceed as follows:

auto   ok

6.5   Caller and memo list

The phone has a combined caller and memo list. A maximum of 20 entries are stored. Entries in the caller or memo list are indicated by the softkey »list« in the lower row of the display. You always have the most current entries in the list. The most recent entry is displayed first.
If the number in this entry is identical to a number in the telephone directory the name is displayed instead of the number. You can also view the time and the date of an entry as well information (if applicable) about it. If you lift up the handset of your phone while you are viewing an entry in the list, that caller is then called automatically. Single entries can be selected for deletion.

> If the ISDN system telephone is disconnected from the ISDN network all of the entries in the list are canceled.

Caller list

Calls that you do not accept, or that you specifically refuse, are stored in the caller list.
Entries in the caller list are indicated by the flashing LED of the Shift button.
A maximum of 20 calls are stored. Further calls will then overwrite the oldest entries.
When a call is made with a subscriber from the caller list (you call or you are called) the entry is automatically deleted and transferred into the redial memory.

Scratchpad memo

You can store a telephone number under a scratchpad memo. You can not input letters or any other special characters. A maximum of 10 entries can be stored. When a call is made with a subscriber from the scratchpad list (you call or you are called) the entry is automatically deleted and transferred into the redial memory.
You can enter a memo during a call or in the idle state. The following entries in the list are possible.

- Manual entry.
- Telephone number from short dialing memory.
- Telephone number from directory.
- Telephone number from direct dialing memory.
- Telephone number from redial memory.

6.5.1   Viewing memos in the list

▲   The telephone is idle. The softkey»list«
in the lower row of the display indicates
that a memo or an entry is present in the
list.

```
01.04.00 10:34          →
tbook  vip   quiet  list
```

▬   Press the softkey below »list«.

```
01.04.00 10:34          →
tbook  vip   quiet  list
```

The most current entry is shown in the display.

```
Call-Box today  07:55 ↔
 1:JOHNSON,E.          *
```

In the upper row of the display you see the type of entry: (»Call-Box« or »Memo«) the date (for the first two days »today« or »yesterday«) and the time. In the lower row you see the telephone number (and the name, if applicable) and the state of the entry.

»*«	New call
»m«	Memo
»a«	Call-Box
»i«	rejected / ignored call (see page 16)

You can view other entries using the arrow buttons.

```
Memo  yesterday 15:42 ↔
3:112233445566
```

— F

If you wish to view more information about the entry, press the F button.

```
Call  29.03.00  08:04 ↔
5:PETERS,J.
```

—

You have the option to delete the entry or view more. Press the softkey below »info«.

```
 5/PETERS,J.          a
tbook delete?      info
```

—

On the top line of the display you can see for which previously entered numbers (MSNs) the entry was made.

```
FOR MSN-5
                   info
```

—

The number of calls is now displayed on the bottom line of the display (in this example:»2«).
Press the softkey below »info« to stop viewing the information.

```
5:PETERS,J.          ↔
  ( 2 A)           info
```

—

If you want to delete the entry, press the softkey below »delete?«.

```
 5/PETERS,J.          a
tbook delete?      info
```

6.5.2 Select from the caller or memolist

| ⤓ | — | ⇐ ⇒ | ↑ | | or | | ⊫ | | ⌇ |

　　　list　Select entry

Operation

6.6 Call waiting, Enquiry call, Broker`s call, Three-party conference, Call transfer, Call-back on busy(CCBS)

Call waiting

If during an ongoing call, a second call comes in for you, the second call is signaled when "Call waiting on" is set (see page 14).
The "Call waiting" function is not possible when already more than one connection is established at your telephone.

call waiting   or   call with subscriber 2;
accept   Subscriber 1 is put on hold
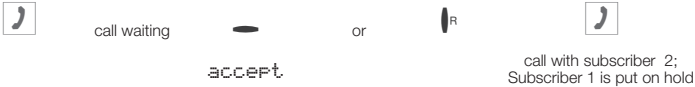
Enquiry call

You have the option of establishing up to three (3) other connections during an ongoing call using the enquiry call function. You can also use the MSN assignment key, a line key or a connection key to initiate an enquiry connection.

Call with sub-   Subscriber 1   Dial number   Call with sub-
scriber   is put on hold   scriber 2
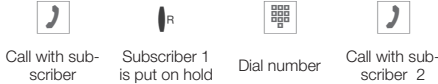
If you wish to set up further connections, proceed as described above.
An active connection can be terminated by pressing . You can return to the call that was previously put on hold. If there are no other calls on hold, a new connection can then be set up.

Broker`s call

If you have more than one connection active at your system telephone (call waiting or enquiry call) (max. of four connections), you can talk to these parties alternately. For this, there are up to four (4) softkeys available, depending on the number of connections on hold.

Call with sub-   conn1   Call with sub-   conn1   Call with sub-   conn1   ...
scriber   ...   scriber   ...   scriber   ...   etc.
                  conn4   conn4   conn4

If you have configured connection and line keys you can also carry out Broker's calls between different callers using these keys. Additional information about the corresponding connections is displayed when you press the shift key and the softkeys be-low»conn1«, »conn2«, »conn3« or »conn4«.
To terminate an active connection, press . You are then returned to the call that was previously put on hold.

Three-party conference

If you have an active connection and a connection on hold at your system telephone, you can initiate a conference call with these two parties. All three parties can speak to one another.
Conference calls are not possible with more than two (2) connections at your phone.

| Call with sub-scriber 1 | | | conn2 | Call with sub-scriber 2 | | conf | Conference with sub-scriber 1 and 2 |

To end the three-party conference, press the softkey below »back_to«. You are reconnected with the subscriber of the last previous active connection. The other subscriber is then put on hold.

Call transfer(switching)

When a call is transferred, the active subscriber and the subscriber for the connection previously put on hold are always connected with one another.

You can initiate an enquiry call yourself (e.g. in order to announce the call) and can then transfer the call.

| Call with sub-scriber 1 | Subscriber 1 is put on hold | Dial number | Call with sub-scriber 2 | x-fer |

Please note that this performance feature (ECT - Explicit Call Transfer) must be supported by the PABX system when transferring two (2) external calls, or, when you use your phone directly on the NTBA, by your network service provider.

Call-Back on busy (CCBS)

Using the function "automatic call-back on busy" you can reach a party whose line is busy as soon as he/she hangs up the handset at the end of his/her call. You are then notified by the exchange office that the party for which CCBS has been configured can now be reached. As soon as you accept this information, the selected party is called automatically.
This feature must be applied for at your network service provider. You can configure three call-backs at a time. The call-back is deleted after a time period defined by the network service provider (approx. 45 minutes).
If the ISDN system telephone is disconnected from the ISDN network, e.g. by parking a call, a requested call-back on busy is canceled.

| Dial number | Subscriber busy | clbckbusy | |

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6.7   Other functions

The detailed Operator's Manual on the enclosed CD described other functions supported by this phone, for example:

- Rejecting or forwarding of calls during a call phase
- Muting (deactivating the microphone to, for example, make a room inquiry call)
- Speaker function (activating a built-in speaker while the ongoing call is continued over the handset)
- Hands-free calling (a call is conducted using the built-in microphone and speaker instead of over the handset)
- Operation of the telephone via an optional headset that can be connected
- Announcement and intercom functions to other (system) telephones
- Parking and unparking of calls on the same ISDN connection
- Malicious call identification (MCID) during ongoing call and after the caller has hung up the handset
- Keypad or DTMF/ pulse dialing (controlling of function or performance features from the exchange, or in a PABX system during an ongoing call)
- Charges (view or clear charge detail accounts for individual MSNs, for the previous call, or the sum of the charges accrued)
- CTI via TAPI (Standard interfaces through which the telephone and computer communicate and work together)

6.8   Service Functions

The following service functions are available in the telephone and are described in the detailed Operator's Manual on the enclosed CD.

- Read out firmware version and other information via the telephone
- Setting the telephone using the programs on the WIN-Tools CD: Configuration Manager, Phone Directory Manager and Download Manager
- Download of new firmware
- RESET - Clearing of all data to return to the initial status

7 Index

Brief Description of Functions

BinTec
Communications

Enquiry call

↑	♪	R	▦ Dial number	♪

Broker`s call

↑	♪	R	▦ Dial number	♪	⇨	conn1 ... conn4

Three-party conference call

↑	♪	R	▦ Dial number	♪	conf

Call transfer with prior notice

↑	▦ Dial number	♪	R	▦ Dial number	♪	x-fer

Parking

↑	♪	⇨	park	▦ Enter parking code	OK	↓

Unparking

↓	⇨	unpark	▦ Enter parking code	OK	↑	♪

Malicious call identification

↓	«◁»	↑	♪	⇨	mcid

Call forwarding
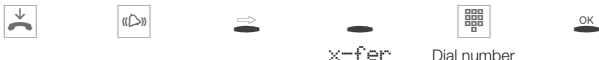
↓	«◁»	⇨	x-fer	▦ Dial number	OK

Expanded redialing

⬇📞 |• |• or ⬅⇒ OK ⬆📞 📞

Search num-ber   Search number

Automatic redialing

⬆📞 📟 📞 ▬ or |• OK ⬇📞

Dial number   Subscriber
busy   auto

Deactivate automatic redialing

⬇📞 |• ▬F ▬ ▬

auto ok

Call-back on busy

⬆📞 📟 📞 ▬ ⬇📞
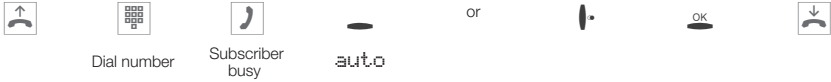
Dial number Number busy clbckbusy

Selection of outgoing numbers (MSNs)

⬇📞 📟 ▬OK ▬F ▬ ▬ ⬆📞 📞

Dial number   msn msn1
...
msn10

Activate call forwarding

⬇📞 ▬F ▬ ▬ ▬ ▬ 📟 ▬OK

adjust forward delayed msn1 Dial number
busy ...
fixed msn10

Deactivate call forwarding

⬇📞 ▬F ▬ ▬ ▬ ▬ ▬OK

adjust forward off msn1
...
msn10

Station guarding

⬇📞 ▬ ▬

quiet no/ok
complete
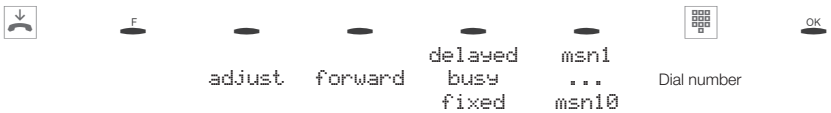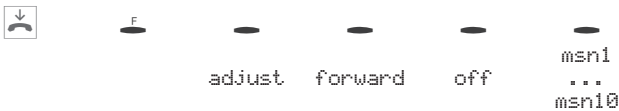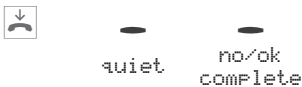
Dialing from caller list, telephone directory or short dialing memory

⬇📞 ▬ ⬅⇒ ⬆📞 📞

list/tbook/vip Select entry

Guarantee Performance

1. Bintec Communication AG takes over a 12-month guarantee for this appliance in accordance with the following conditions, calculated from the date of purchase from the dealer, which must be documented by the original invoice or other documentation.

2. The guarantee claims are to be submitted through the specialist dealer from whom the appliance was purchased.

3. The guarantee includes the removal of all damage or defects of the appliance occurring within the guarantee period, which can be proven to stem from material or production faults. Any damage or defects arising from connection, which is not in accordance with the instructions, incorrect handling as well as non-observance of the instructions on programming and use as well as force majeure are excluded. The manufacturer is free to choose to replace the appliance with an appliance of equal value instead of carrying out a repair. Additional claims for compensation are not valid.

4. The guarantee does not cover those defects which only affect the value or usual use of the appliance insignificantly. Additional costs, such as e.g. for installation, journey time and travel, are expressly excluded.

5. This manufacturer's guarantee lapses if alterations have been made to the product or the product is operated in another country, for which it has neither been developed nor manufactured.

6. The fulfilment of guarantee requires that the appliance is sent in complete, packed so as to protect it from breakage or shocks (where possible in the original packaging) with proof of guarantee. The despatch takes place at the expense and risk of the client.

7. Should the inspection result in the fact that it is not a case of guarantee or that the product has no faults the repair and inspection costs shall be at the expense of the client.
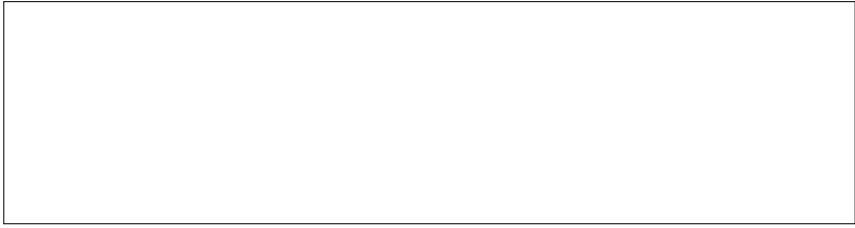
CE 0188 X

This device meets the requirements stipulated by the EC guidelines:

98/13/EG   Telecommunication transmitting equipment
73/23/EWG   Low-voltage devices
89/336/EWG   Electromagnetic compatibility

The Bintec ISDN-telephone has therefore been given the CE mark.

BinTec
Communications