

HiPath 2000 HiPath 3000 HiPath 5000

optiPoint 420 economy optiPoint 420 economy plus optiPoint 420 standard optiPoint self labeling key module

Operating Instructions



Global network of innovation

Before You Begin

These operating instructions describe the optiPoint 410 economy/economy plus/standard telephone on your HiPath 2000 and HiPath 3000 / 5000.

They describe all functions you can use from your telephone. You may find that some functions you wish to use are not available on your telephone. This may be due to one of the following reasons:

- The function has not been configured for your telephone address any questions to your service personnel.
- Your communications platform does not support this function contact your service personnel to upgrade your system.

Important Notes

9

K	Do not operate the telephone in environments where there is a danger of explosions.
ORIGINAL	Use only original Siemens accessories. Using other accessories may cause a hazard and will invalidate the warranty and the CE mark.
	Never open the telephone or a key module. If you encounter any problems, contact your service personnel.

CE (customer equipment) does not continue to support emergency dialing after loss of mains power, if battery back up and power fail switchover to emergency analogue phones is not available.

Never allow the telephone to come into contact with staining or aggressive liquids such as coffee, tea, juice, or soft drinks. For information on telephone maintenance \rightarrow Page 123.

The information provided in this document contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products.

An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

The trademarks used are owned by Siemens AG or their respective owners.

Marks



The device conforms to the EU guideline 1999/5/EG, as attested by the CE mark.



This device has been manufactured in accordance with our certified environmental management system (ISO 14001). This process ensures that energy consumption and the use of primary raw materials are kept to a minimum, thus reducing waste production.



All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

The correct disposal and separate collection of your old appliance will help prevent potential negative consequences for the environment and human health. It is a precondition for reuse and recycling of used electrical and electronic equipment.

For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service, the shop where you purchased the product or your sales representative.

The statements quoted above are only fully valid for equipment which is installed and sold in the countries of the European Union and is covered by the directive 2002/96/EC. Countries outside the European Union may have other regulations regarding the disposal of electrical and electronic equipment.

Contents

Before You Begin	
Important Notes	
Marks	
Basic operating instructions	
optiPoint 420 economy/economy plus/standard and	
optiPoint self labeling key module control panel	9
How to Use these Operating Instructions	
Screen Displays	
Accessing Functions 11	
Interactively	
Via the Program/Service Menu 11	
With Function Keys 11	
Functions You Can Use	
Self Labelling Key Function	
Basic and Enhanced Functions	
Additional Team and Executive/Secretary Functions	
Safety Precautions for IP Telephony	
	ر
Making Calls – Basic Functions14	ŀ
Answering Calls	1
Answering a Call With the Handset	
Answering a Call with the Speaker (Speakerphone Mode) 14	
Switching to Speakerphone Mode 15	
Switching to the Handset 15	
Open Listening in the Room During a Call	
Making Calls	
Off-Hook Dialing	
On-Hook Dialing	
Ending the call	
Redialing a Number 18 Turning the Microphone On and Off 19	
Calling a Second Party (Consultation Hold)	
Switching to the Party on Hold (Toggle)	
Transferring a Call	
Call Forwarding	
Using Variable Call Forwarding	
Using Call Forwarding No Reply (CFNR)	
Call Forwarding in the Carrier Network	
and Forwarding Multiple Subscriber Numbers (MSN) (Not for U.S.) 24	
Call Forwarding in the Event of a Telephone Malfunction 25	5

Contents

Usir	ng Callback	26
	Storing a Callback	26
	Answering a Callback	26
	Checking and Canceling a Saved Callback	26
Sav	ing Repertory Dialing Numbers on a Key	28
	Using Repertory Dialing Keys	30
Tele	ephone Settings	31
	Adjusting the Ring Volume	31
	Adjusting the Ring Tone	31
	Adjusting the Attention Ring Volume	31
	Adjusting the display contrast	32
	Adjusting the key label contrast	32
	Adjusting the Speakerphone to the Room Acoustics	32
	Adjusting the Receiving Volume During a Call	33
	Adjusting the Display to a Comfortable Reading Angle	33
	Display backlight	33
	Selecting the Language of Screen Prompts	33

AII		34
	Accepting a Specific Call for Your Colleague	34
	Rejecting Calls	35
	Using the Speakerphone	35
	Answering a Call With a Headset	36
	Answering Calls from the	
	Entrance Telephone and Opening the Door	37
	Accepting a Call From an Answering Machine	38
Dia	ling/Making Calls	39
	En-Bloc Sending / Correcting Numbers	39
	Using a Caller List	
	Speed-dial	42
	Dialing a Number From the Internal Directory	44
	Dialing from the Telephone Database (LDAP)	46
	Using Mailboxes	48
	Talking to Your Colleague With a Speaker Call	48
	Talking to Your Colleague with Discreet Calling	49
	Automatic Connection Setup (Hotline)	49
	Reserve Trunk	49
	Assigning a Station Number (Not for U.S.)	50
	Associated Dialing/Dialing Aid	50
Du	ring a Call	52
	Using Call Waiting	52
	Accepting a Waiting Call (Camp-On)	52
	Preventing and Allowing Call Waiting (Automatic Camp-On)	53
	Turning the Call Waiting Tone On and Off	53
	Parking a Call	54

Placing External Calls on Hold
Conducting a Conference 56
Ending a Conference (Initiator Only) 57
Activating Tone Dialing/DTMF Suffix-Dialing
Recording Calls 59
Transferring a Call after a Speaker Call
(Announcement) in a Group
Trunk Flash
If You Cannot Reach a Destination
Call Waiting (Camp-On)
Busy Override - Joining a Call in Progress 62
Using Night Answer

Saving Functions, Procedures and Appointments.64

Assigning Functions to Keys	64
Assigning a Procedure (Operating Steps) to a Key	68
Appointments Function	70
Saving Appointments	70
Using Timed Reminders	71

Displaying and Assigning Call Charges.....72

Displaying Call Charges (Not for U.S.)	72
Displaying Call Charges for Another Telephone (Not for U.S.)	73
Dialing with Call Charge Assignment	74

Private Sphere/Security75

Turning Ringer Cutoff On and Off	. 75
Turning Do Not Disturb On and Off	. 75
Caller ID Suppression	. 76
Monitoring a Room	. 77
Trace Call: Identifying Anonymous Callers (Not for U.S.)	. 78
Locking the Telephone to Prevent Unauthorized Use	. 79
Locking Another Telephone to Prevent Unauthorized Use	. 80
Saving Your PIN	. 81

Using Other Functions......82

Sending a Message	. 82
Creating and Sending a Message	. 82
Displaying and Deleting Messages You Have Sent	. 83
Answering Messages	. 83
Leaving an Advisory Message	. 84
Deleting Advisory Messages	. 84
Display Number of Waiting Calls and Overload Indication	. 85

Contents

Using Another Telephone Like Your Own for a Call	. 85
Using Another Telephone Like your Own for an Extended Period	
of Time (Mobility)	
Fax Details and Message on Answering Machine	. 87
Resetting Services and Functions	
(System-Wide Cancellation for a Telephone)	. 87
Activating Functions for Another Telephone	. 88
Using System Functions from the Outside	
(DISA: Direct Inward System Access)	. 89
Using functions in ISDN via code dialing (keypad dialing)	. 91
Controlling Connected Computers or Other Programs	
and Telephone Data Service	
(HiPath 3500/3550/3700/3750/3800 Only)	. 92
Communicating with PC Applications over a CSTA Interface	
Controlling Relays (not for HiPath 2000)	
Sensors (HiPath 3300/3350/3500/3550 Only)	. 94
Radio Paging (Not for U.S.)	. 95

Using Other Team Functions	96
Turning Group Call On and Off	
Accepting a Call for Another Member of Your Team	98
Activating and Deactivating a Ringing Group	99
Uniform Call Distribution (UCD)	100

	-
Using Trunk Keys	
Answering Calls With Trunk Keys	103
Making Calls with Trunk Keys	103
Using a Trunk Key to Place a Call on Hold and Retrieve It Again	103
Switching Between Phone Calls on Multiple Trunks	104
MULAP Conference Release	104
Forwarding Calls on Lines	105
Using DSS Keys	107
Using DSS Keys to Answer Calls	107
Calling a Team Member Directly	107
Transferring a Call in Progress.	108
Accepting a Call for Another Team Member	108
Joining or Leaving a Group Call	
(Not for the Executive Telephone in an Executive/Secretary Team)	108
Transferring Calls Directly to the Executive	
(Only in an Executive/Secretary Group)	109

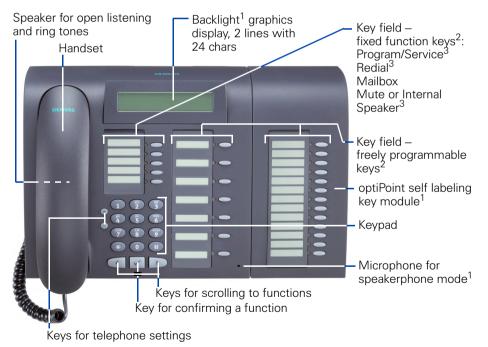
Testing the Telephone110Testing the Telephone Functions110Checking the Key Assignment110
Special Functions in the LAN (PC Network).111Leaving a Hunt Group/Group Call111Transferring Call Forwarding112Using Night Answer113Activating and Deactivating a Ringing Group114Controlling Relays (not for HiPath 2000)115Opening the Door116
Different Displays (HiPath 4000 Environment)117
Changing Key Labels
Entering Text on the Telephone120
Labeling, Documentation and Accessories121Labeling Key Fields121Attaching a Station Number Label121Documentation121Accessories122
Fixing Problems123Telephone Maintenance123Echo Effect123Troubleshooting123Responding to Error Messages on the Screen124Contacts for Resolving Problems125
Index
Overview of Functions/Codes (Alphabetical)131
FCC and Industry Canada Compliance

Basic operating instructions

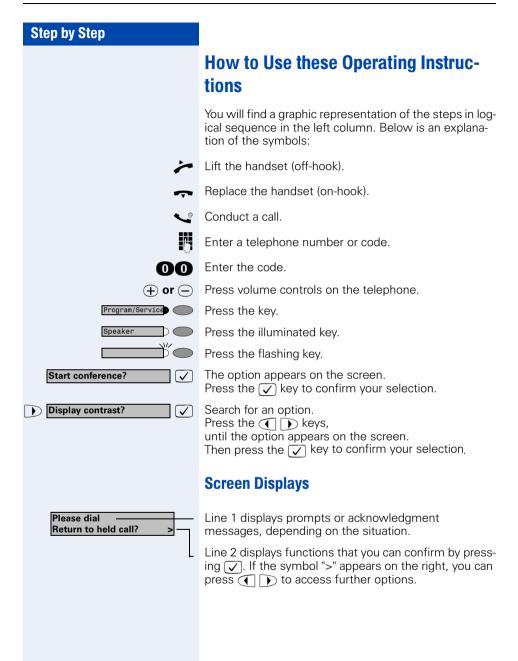
optiPoint 420 ¹	economy	economy plus	standard
Full-duplex speakerphone feature	-	-	\checkmark
Illuminated display	-	-	√
Headset port	-	✓	√
2. LAN-Schnittstelle	-	✓	\checkmark
Interface for add-on equipment	-	-	\checkmark
Option bays	0	0	2

[1] The name and model of your telephone are printed on the base.

optiPoint 420 economy/economy plus/standard and optiPoint self labeling key module control panel



- [1] optiPoint 420 standard only
- [2] With automatic key labeling
- [3] Cannot be changed on optiPoint 420



Class by Class	
Step by Step	
	Accessing Functions
	Interactively
	You can select some functions while the telephone is idle , for example:
Forwarding on	Use \bigcirc to scroll to a function and press \checkmark to execute it.
	You can select other functions directly depending on the situation . Example: you call a number, but the line is busy:
Callback 🗸	Press 🗸 to confirm.
or	
Send message	Use () to scroll to a function and press \checkmark to execute it.
	Via the Program/Service Menu
	First press the "Program/Service" key. You then see a list of selection options, such as: "#0=Reset services" → Page 87.
Program/Service	Press the key.
#0=Reset services?	Use \bigcirc to scroll to a function and press \bigcirc to execute it.
or	
80	Enter the code directly. The Quick-Reference Operating Instructions ("Overview of Functions/Codes (Alphabetical)" \rightarrow Page 131) contain a list of codes. However, they are also displayed on screen along with the corresponding function.
	With Function Keys
	If you saved a function on a key \rightarrow Page 64, you can access it directly as follows:
	Press the Mute key to execute the function.

Functions You Can Use

Self Labelling Key Function

Thanks to the Self Labelling Key function, you do not need to label your telephone's programmable function keys manually. Depending on how they are programmed, your HiPath automatically assigns a standard label to your function keys.

However, if you wish, you can also define your own text labels for the function keys rather than using the standard labels \rightarrow Page 119.

Basic and Enhanced Functions

You can use all basic and enhanced communications platform functions that appear interactively on the screen, in the Program/Service menu, and when you press function keys.

Additional Team and Executive/Secretary Functions

→ Page 102f.

To help working and project groups work together more efficiently, the service personnel can configure a variety of team functions, depending on your preferences when working in the team. You can use these team functions in addition to the basic and enhanced functions.

In addition to call pickup, hunting groups (group call), and call distribution groups, you can also set up teams with multiple lines per telephone.

You can tell if a telephone has trunk keys if your station number and the numbers of your colleagues are programmed on trunk keys. You can access all lines and can also conduct different calls simultaneously on multiple lines.

Another team function category includes the executive/ secretary

functions, which are configured by the service personnel. You can use executive and secretary functions in addition to the basic and enhanced functions as well as other team functions.

An executive/secretary telephone has DSS keys for the executive or secretary, trunk keys for the executive and secretary, as well as ring transfer keys.

Using the Telephone Efficiently

- You probably have certain colleagues or external parties with whom you talk on the phone especially frequently. To dial these numbers faster and more conveniently, you can save them on keys (Saving station numbers for repertory dialing on keys → Page 28).
- All too often you reach a busy line when dialing a number. Amid the confusion of your working day, it's easy to forget to try the number again later on. To avoid this, make it a habit to use the "Callback"
 Page 26 function.

Safety Precautions for IP Telephony

Different methods can be implemented to protect an IP environment from external attacks (denial of service attacks, viruses, etc.) and call monitoring.

There are no special procedures for operating this device. Please contact your service personnel to find out more about IP telephony security.

Making Calls – Basic Functions

Answering Calls

Special default ring signaling is set for your telephone:

- When you receive an internal call, your telephone rings once every four seconds (single-tone sequence).
- When you receive an external call, your telephone rings twice in rapid succession every four seconds (dual-tone sequence).
- When you receive a call from the entrance telephone, your telephone rings three times in rapid succession every four seconds (triple-tone sequence).
- If a call is waiting, you hear a short tone (beep) every six seconds.

Your service personnel can adjust the ring cadence for external and internal calls for you. In other words, different ring cadences can be set for different internal callers.

The number or the name of the caller appears on the display.

Answering a Call With the Handset

The telephone rings. The caller appears on the screen.

(+) or (-)

Raise or lower the volume. Keep pressing the key until the desired volume is set.

Answering a Call with the Speaker (Speakerphone Mode)



Lift the handset.

This function is not available with optiPoint 420 economy/economy plus.

The telephone rings. The caller appears on the screen.



Press the key. The LED lights up. Speakerphone mode.

(➔ or) Raise or lower the volume. Keep pressing the key until the desired volume is set.

Speaker	\square
	or
Release	

Ending the call:

Press the key. The LED goes out.

Press the key.

Notes on speakerphone mode:

- Tell the other party that you are using speakerphone mode.
- The speakerphone works bests at a low receiving volume.
- The ideal distance between the user and the telephone set in speakerphone mode is about 50 cm (approx. 20 inches).

Switching to Speakerphone Mode



This function is not available with optiPoint 420 economy/economy plus.

Precondition: You are conducting a call with the handset.



Hold down the key and replace the handset. (in the U.S.: press the key once and replace the handset). Then release the key and continue the call.

Switching to the Handset

This function is not available with optiPoint 420 economy/economy plus.

Precondition: You are engaged in a call in speakerphone mode.



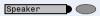
Lift the handset. Continue the call.

Open Listening in the Room During a Call

You can let other people in the room join in on the call. Let the other party know that you have turned on the speaker.

Precondition: You are conducting a call with the hand-set.

Activating ring transfer:



Press the key. The LED lights up.

Deactivating this function:

Press the key. The LED goes out.



Making Calls

Off-Hook Dialing

- Lift the handset.

Internal calls: Enter the station number. External calls: Enter the external code and the station number.

The called party does not answer or is busy:

Replace the handset.

On-Hook Dialing

Internal calls: Enter the station number. External calls: Enter the external code and the station number.

The other party answers with speaker:



Lift the handset.

or On-hook: Use speakerphone mode (not available with optiPoint 420 economy/economy plus).

The called party does not answer or is busy:



Press the key. The LED goes out.

Your system may also be programmed so that you have to press the Internal key before you dial an internal number.

To call an external party, you have to enter an external code before dialing the party's telephone number (Prime Line is not active; contact your service personnel).

Ending the call

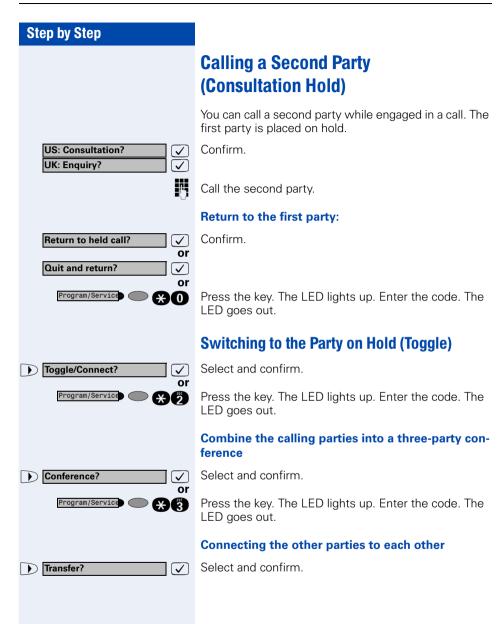
Release Pre

Replace the handset.

Press the key.

Step by Step	
	Redialing a Number
	The last three external telephone numbers dialed are stored automatically. You can redial them simply by pressing a key. The station number appears on your screen for two sec- onds and is then dialed.
Redial	Press the key once to dial the number last dialed.
	Press the key twice to dial the next to the last number dialed.
	Press the key three times to dial the third-to-the-last number dialed.
	Displaying and dialing saved station numbers
Redial	Press the key.
Next?	Press the "OK" dialog key within two seconds to confirm your choice.
Next?	The next stored number is displayed. Press the "OK" dialog key to confirm four selection.
Call?	Select and confirm.
	If this feature is configured (contact your service personnel), account codes entered are also saved \rightarrow Page 74.

Step by Step Turning the Microphone On and Off To prevent the other party from listening in while you consult with someone in your office, you can temporarily switch off the handset microphone or the handsfree microphone. You can also switch on the handsfree microphone to answer an announcement via the telephone speaker (speaker call, \rightarrow Page 35). Speakerphone mode is not available with optiPoint 420 economy/economy plus. Precondition: You are conducting a call. The microphone is switched on. Mute Press the key. The LED lights up. or Mute Press the illuminated key. The LED goes out. or Select and confirm Mute on? \checkmark or Mute off? \checkmark \mathbf{D} or Program/Service Press the key. The LED lights up. Enter the code for "on" or "off". 860 or #60





Transferring a Call

If the person you are speaking to wants to talk to another colleague of yours, you can transfer the call that colleague.

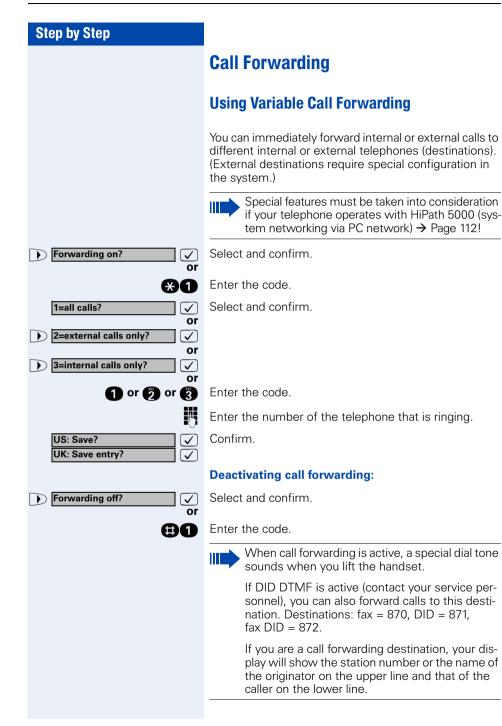
Confirm.

Enter the number of the party to which you want to transfer the call.

Announce the call, if necessary.

Replace the handset.

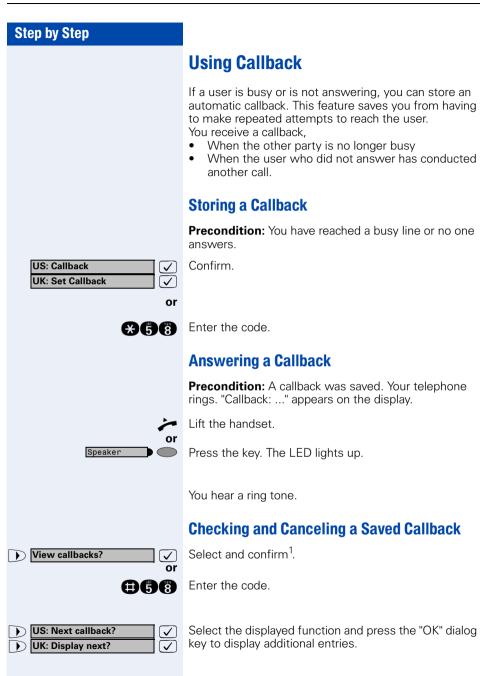
Select and confirm¹.



Step by Step	
	Using Call Forwarding No Reply (CFNR)
	Calls that are not answered after three rings (=default, can be adjusted by service personnel) or that are received while another call is ongoing can be automatically forwarded to a specified telephone.
Program/Service	Press the key. The LED lights up.
More features?	Select and confirm.
► *495=CFNR on? ✓ Or	Select and confirm.
*495	Enter the code.
Ü	 Enter the destination number. Enter the internal station number for internal destinations Enter the external code and the external station number for external destinations
Save entry?	Confirm.
	Deactivating Call Forwarding No Reply:
Program/Service	Press the key. The LED lights up.
More features?	Select and confirm.
▶ #495=CFNR off?	Select and confirm.
or #495	Enter the code.
Delete?	Confirm.
	If CFNR is enabled, the following briefly appears on the display when you replace the handset: "CFNR to:".

Step by Step	
	Call Forwarding in the Carrier Network and Forwarding Multiple Subscriber Num- bers (MSN) (Not for U.S.)
	If this function has been configured (contact your service personnel), you can forward calls to your assigned multiple subscriber number (MSN) (DID number) directly within the carrier network. For example, you can forward your phone line to your home phone after business hours.
Trunk FWD on?	Select and confirm.
★64	Enter the code.
1=immediate? ✓ or ▶ 2=on no answer? ✓ Or ▶ 3= on busy?	Select and confirm the line type you wish to use.
or or 🥑 or 🕄	Enter the code.
B	Enter your DID number.
Ŋ	Enter the destination number (without the external code).
Save?	Confirm.
	Deactivating call forwarding:
Forwarding - trunk off	Select and confirm.
#64	Enter the code.
	Confirm the displayed call forwarding type.
or or 2 or 3	Enter the activated call forwarding type.
ß	Enter your DID number.

Step by Step	
	Call Forwarding in the Event of a Telephone Malfunction
	If this feature is configured (ask the service personnel), you can define an internal or external call forwarding destination that becomes effective when your tele- phone is not working.
Program/Service	Press the key. The LED lights up.
▶ *9411=CFSS on ✓ Or	Select and confirm.
*9000	Enter the code.
18	Enter the station number of the destination.
US: Save entry?	Confirm.
	Deactivating call forwarding/deleting a destination:
Program/Service	Press the key. The LED lights up.
) #9411=CFSS off or	Select and confirm.
#9400	Enter the code.
Delete?	Confirm to deactivate call forwarding and delete the for- warding destination.
Or Delete?	Select and confirm to deactivate call forwarding without deleting the forwarding destination.
	Changing the call forwarding destination (if for- warding is active):
Program/Service	Press the key. The LED lights up.
*9400	Enter the code.
▶ US: Change? ✓ ▶ UK: Change entry? ✓	Confirm.
8	Change the station number of the destination.
US: Save entry?	Confirm.

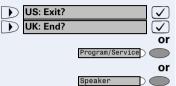


Delete?

Deleting a displayed entry:

Press the "OK" dialog key to confirm your selection.

Ending callback display:



Select and confirm.

Press the key. The LED goes out.

Press the key. The LED goes out.

Step by Step	
	Saving Repertory Dialing Numbers on a Key
	You can save frequently-dialed station numbers on pro- grammable keys that are unassigned by default. External and internal station numbers, as well as func- tions/procedures (comprising several operating steps) can be stored on these keys \rightarrow Page 64.
	In addition, the keys can be programmed on two separate levels if you have configured a key as the "switching" key (Shift key \rightarrow Page 64). Depending on the key assignment and programming of your HiPath system ("Extended Key Functionality"; refer to relevant service personnel), dual-level key assignment permits several assignment combinations. Corresponding displays guide you through this process \rightarrow Page 124. If you save internal station numbers, you can choose whether to save an LED display for the key (=Save with LED) or not (=Save without LED). The LED display indicates the various states (\rightarrow Page 66, \rightarrow Page 107).
Program/Service	Press the key. The LED lights up.
► ¥91=Prog. feature key? ✓ Or	Select and confirm.
66	Enter the code.
Program/Service	Press the key. If the key is already in use, its assignment appears on the screen.
+=Next layer?	Make a selection and confirm to save the station num- ber on the second level.
Or ⊕ US: Change key? UK: Change feature?	Confirm.
Repdial key?	Confirm.
8	Enter the station number.

Step by Step	
	If you make a mistake:
Previous?	Select and confirm. This deletes all digits entered.
	The system telephone automatically recognizes if you want to save an internal or an external station number. The options "Save without LED" or "Save with LED" are only available for internal station numbers.
Save with LED?	Confirm.
or Save without LED?	Select and confirm to save the repdial key without LED display.
Key label?	Select and confirm to update automatic key labeling. For more information, see \rightarrow Page 119.
US: Exit? ✓ UK: End? ✓	Confirm.
Or US: Another key? UK: Program another key? V	Select and confirm.
Or US: Clear key?	Select and confirm.
	Simply press the key to dial a stored telephone number \rightarrow Page 30.
	You can do this while a call is in progress.
	For information on display messages when saving station numbers \rightarrow Page 124.

Using Repertory Dialing Keys

Precondition: You have saved a station number on a repertory dialing key \rightarrow Page 28.

Press the key on which the number is saved. If the station number is located on the second level, first press "Shift".



You can also press the repertory dial key during a call. This automatically sets up a consultation \rightarrow Page 20.

Step by Step	
	Telephone Settings
	Adjusting the Ring Volume
⊕ or → US: Ring volume? ✓ UK: Ringer volume? ✓	Press these keys while the phone is idle. Confirm.
⊕ or ⊝ ✓	To raise or lower the volume: Keep pressing the keys until the desired volume is set. Save.
	Adjusting the Ring Tone
+ or - US: Ring tone?	Press these keys while the phone is idle. Select and confirm.
€ or ⊖	To adjust the ring tone: Keep pressing the keys until the desired tone is set.
\checkmark	Save.
	Adjusting the Attention Ring Volume
	If you belong to a team that uses trunk keys, the tele- phone can alert you to other calls in the team even when you are engaged in another call \rightarrow Page 108. You hear the attention ring.
(+) or $(-)$	Press one of these keys while the phone is idle.
US: Attention Ring Vol?	Select and confirm.
(+) or (−)	To raise or lower the volume: Keep pressing the keys until the desired volume is set.
\checkmark	Save.

Step by Step	
	Adjusting the display contrast
	The display has four contrast levels that you can set ac- cording to your light conditions.
\oplus or \bigcirc	Press one of the keys while the phone is idle.
Display contrast?	Select and confirm.
⊕ or —	Change the display contrast (1 4). Press the key repeatedly until the desired level is obtained.
\checkmark	Save.
	Adjusting the key label contrast
	The key labels have four contrast levels that you can set according to your light conditions.
\oplus or \bigcirc	Press one of the keys while the phone is idle.
► Key label contrast?	Select and confirm.
(<u>+</u>) or (−)	Change the display contrast (1 4). Press the key repeatedly until the desired level is obtained.
\checkmark	Save.
	Adjusting the Speakerphone to the Room Acoustics
	This function is not available with optiPoint 420 economy/economy plus.
	To help the other party understand you clearly while you are talking into the microphone, you can adjust the tele- phone to the acoustics in your environment: "Quiet room", "Normal room" and "Noisy room".
(+) or (-)	Press one of these keys while the phone is idle.
Speakerphone mode?	Select and confirm.
(+) or (−)	To set the room type: Keep pressing these keys until the setting you want appears on the screen.
\checkmark	Save.

Adjusting the Receiving Volume During a Call

You are engaged in a call.

 $(\ \)$ or $(\ \)$ To raise or lower the volume: Keep pressing the keys until the desired volume is set.

(+) or (-) simultaneously

y Save.

Adjusting the Display to a Comfortable Reading Angle

You can swivel the display unit. Adjust the display unit so that you can clearly read the screen.

Display backlight

This function is only available with optiPoint 420 standard.

When operating optiPoint 420 standard, e.g. when dialling a call number, a display backlight switches on automatically. The backlight switches off automatically a few seconds after the last action is completed.

Selecting the Language of Screen Prompts



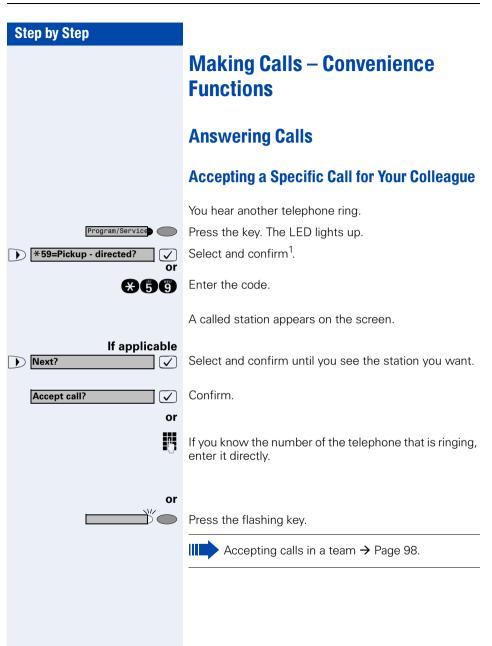
Press the key. The LED lights up.

Confirm.

Confirm.

Enter the code.

Select the language you wish to use (such as "Spanish") and press the "OK" dialog key to confirm.



Mute off?

Release



You can reject calls which you do not wish to take. The call is then signaled at another definable telephone (contact your service personnel).

The telephone rings. The caller is displayed.

Press the key.

If a call cannot be rejected, your telephone will continue to ring. The message "currently not possible" (UK) or "Feature not available" (US) is displayed (e.g in the case of recalls).

Using the Speakerphone

A colleague addresses you directly over the speaker with a speaker call. You hear a tone before the announcement. The other party's name or station number appears on the screen.

You can conduct the call with the handset or in speakerphone mode.

Speakerphone mode is not available with optiPoint 420 economy/economy plus.



or

 \checkmark

or

Lift the handset and answer the call.

Press the "OK" key to confirm your selection and answer the call.

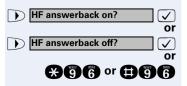
Press the key and answer the call.

If handsfree answerback is enabled (see below), you do not need to switch on the microphone you can answer directly. You can answer immediately in speakerphone mode.

If handsfree answerback is disabled (default setting), follow the procedure described above.

Placing a speaker call to a colleague \rightarrow Page 48.

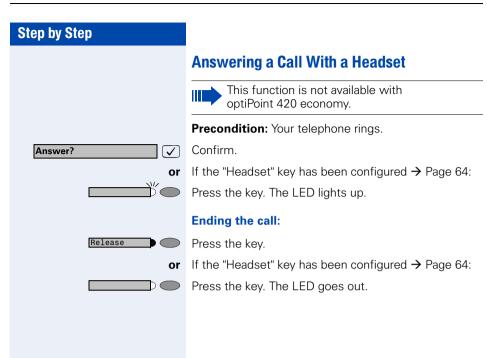
Enabling and Disabling Handsfree Answerback



Mute

Select and confirm.

Enter the code for "on" or "off".



Open door?

*61=Open door?

Answering Calls from the Entrance Telephone and Opening the Door

If an entrance telephone has been programmed, you can use your telephone to speak to someone at the entrance telephone and to activate a door opener. If you have the proper authorization (contact your service personnel), you can activate the **door opener**, enabling visitors to open the door themselves by entering a 5-digit code (using a DTMF transmitter or installed keypad).

Speaking to visitors via the entrance telephone:

Precondition: Your telephone rings.

Lift the handset within thirty seconds. You are connected to the entrance telephone immediately.

or



Lift the handset after more than thirty seconds.

Dial the entrance telephone number.

Opening the door from your telephone during a call from the entrance telephone:

√ or

*61

Program/Service

Confirm.

Opening the door from your telephone without calling the entrance telephone:

Press the key. The LED lights up.

Select and confirm.

Enter the code.



Dial the entrance telephone number.



Special features must be taken into consideration if your telephone operates with HiPath 5000 (system networking via PC network) → Page 116!

Step by Step	
	Opening the door with a code (at the door):
0	After ringing the bell, enter the five-digit code (using the keypad or a DTMF transmitter). Depending on how the door opener has been programmed, a doorbell call signal may or may not be forwarded.
	Activating the door opener:
Program/Service	Press the key. The LED lights up.
► 89=Door opener on?	Select and confirm.
or	Enter the code.
B	Dial the entrance telephone number.
	Enter the five-digit code. Default code = "00000".
Or 3=change password?	Select the displayed function and press the "OK" dialog key to change the code.
▶ 1=enable with ring? ✓ Or	Select and confirm.
2=enable w/o ring?	You can also open the door without a doorbell ring.
	Deactivating the door opener:
Program/Service	Press the key. The LED lights up.
#89=Door opener off?	Select and confirm.
or #89	Enter the code.
	Accepting a Call From an Answering Machine
	You can accept a call from any answering machine if the machine is connected to your system (contact your ser-
	vice personnel) and you have programmed the answer- ing machine number on a key \rightarrow Page 64. The LED lights up. Press the key.

Step by Step	
	Dialing/Making Calls
	• •
	En-Bloc Sending / Correcting Numbers
	If this feature is configured (contact your service per- sonnel), a connection is not attempted immediately when a station number is entered. This means that you can correct the number if necessary. The station number is only dialed at your specific re- quest.
ß	Internal: enter station number. External: enter external code and station number.
	Dialing entered/displayed numbers:
7	Lift the handset.
Or Dial?	Confirm.
	Correcting numbers entered:
Delete number?	Select and confirm. The last digit entered in each case is deleted.
	Enter the required digit(s).
	Canceling en-bloc sending:
End?	Select and confirm.
Speaker Or	Press the key. The LED goes out.
Release	Press the key.
	A station number can only be corrected as it is being entered. Station numbers stored for num- ber redial, for example, cannot be corrected.

Using a Caller List

If you are unable to accept an external or internal call, the call attempt is stored in the caller list. You can store answered calls either manually (both internal and external calls) or automatically (external calls only; contact your service personnel for details). Your telephone stores up to ten calls in chronological order. Each call is assigned a time stamp. The most recent entry not yet answered in the list is displayed first. Multiple calls from the same caller do not automatically generate new entries in the caller list. Instead, only the most recent time stamp for this caller is updated and its number incremented.

Retrieving the Caller List

Precondition: Service personnel has set up a caller list for your telephone.

Select and confirm¹.

Enter the code.

√ or

88

The last call is displayed on the screen.

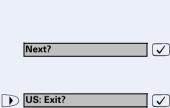
To view other calls, confirm each subsequent display.

Ending Retrieval

Select and confirm.

Press the key. The LED goes out.

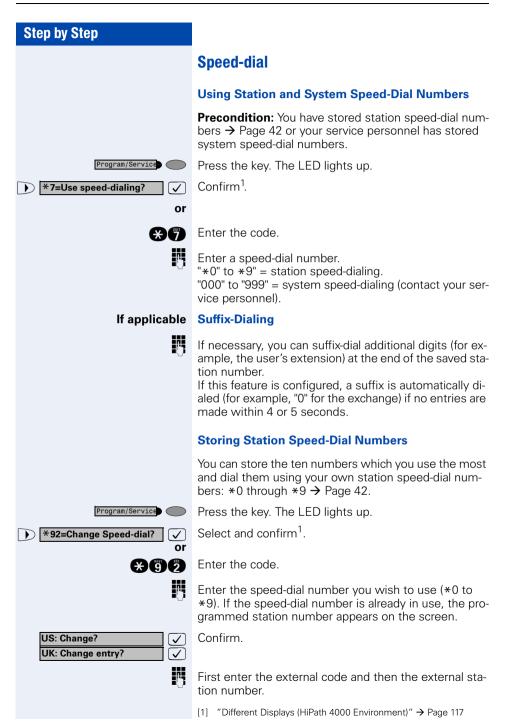
Press the key. The LED goes out.



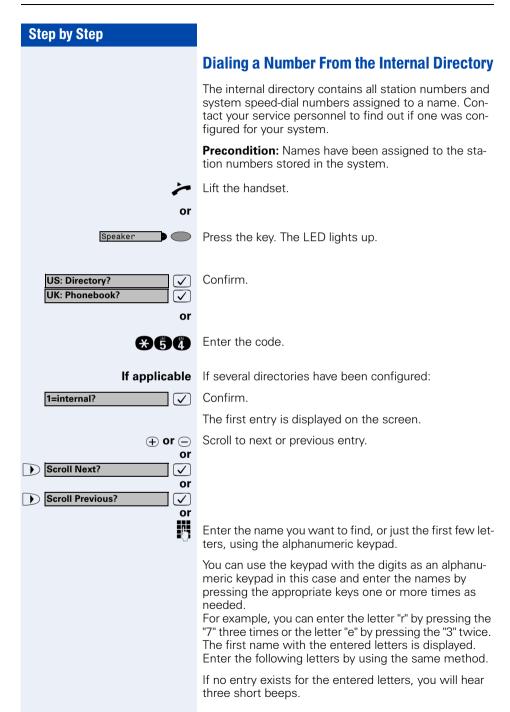
Caller list?

\mathbf{D}	US: Exit?		\checkmark
\mathbf{D}	UK: End?		\checkmark
			or
		Program/Service	\bigcirc
			or
		Speaker	\bigcirc

Step by Step	
	Displaying the Call Time and Additional Call Information
	Precondition: You have retrieved the caller list and the selected call is displayed (black square at the beginning of line).
Add'l information?	Select and confirm. Information about caller name, call number and call time will be displayed.
	Dialing a Station Number from the Caller List
	Precondition: You have retrieved the caller list and the selected call is displayed.
Call?	Select and confirm.
	The caller is automatically deleted from the caller list when a connection is finally set up.
	Removing an Entry from the Caller List
	Precondition: You have retrieved the caller list and the
	selected call is displayed.
Delete?	
Delete?	selected call is displayed.
Delete?	selected call is displayed. Confirm. Saving the Other Party's Station Number
Delete? Save number? Or Program/Service	selected call is displayed. Confirm. Saving the Other Party's Station Number in the Caller List (Redial) Precondition: You are engaged in a call or have called
Save number?	selected call is displayed. Confirm. Saving the Other Party's Station Number in the Caller List (Redial) Precondition: You are engaged in a call or have called an external party.
Save number?	selected call is displayed. Confirm. Saving the Other Party's Station Number in the Caller List (Redial) Precondition: You are engaged in a call or have called an external party. Confirm.
Save number?	selected call is displayed. Confirm. Saving the Other Party's Station Number in the Caller List (Redial) Precondition: You are engaged in a call or have called an external party. Confirm.
Save number?	selected call is displayed. Confirm. Saving the Other Party's Station Number in the Caller List (Redial) Precondition: You are engaged in a call or have called an external party. Confirm.



Step by Step	
US: Save? VIX: Save entry? VIX: Save entry?	Confirm.
or	lf you make a mistake:
Previous?	Select and confirm. This deletes all entered digits.
US: Next?	Confirm.
US: Change? VK: Change entry?	Select and confirm.
or Delete?	Select and confirm.
US: Exit	Select and confirm.



If applicable Delete Character? \checkmark If applicable **Delete Line?** \checkmark \mathbf{b} Call? $\overline{\checkmark}$ or Add'l information? \checkmark

To enter a space, press the "0". Pressing "1" or "#" automatically displays the first entry in the internal directory. The "*" key has no function here.

Select and confirm each letter to be deleted. The last letter entered is deleted. If all letters are deleted, the first entry in the directory will be displayed again.

Select and confirm. All entered letters are deleted, and the first entry in the internal directory is displayed again.

The entry you wish to dial appears on the screen.

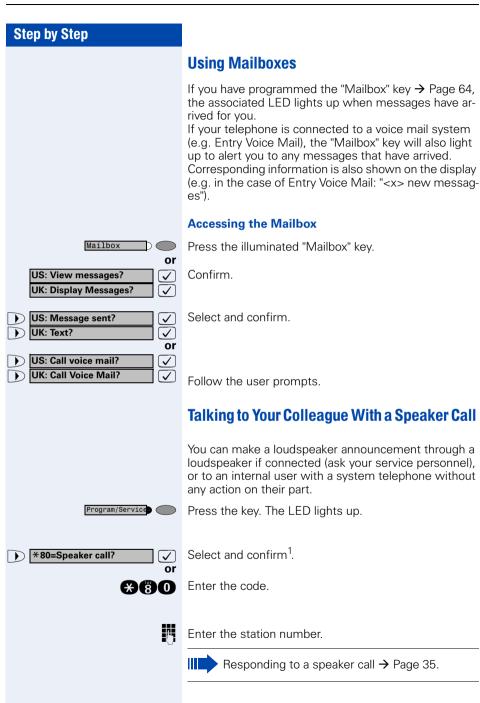
Select and confirm.

Select and confirm.

Information about caller name, call number and/or central speed dial number will be displayed.

Step by Step	
	Dialing from the Telephone Database (LDAP)
	If configured (ask your service personnel), you can search for directory data in the LDAP database and dial the number of any subscriber you find there.
	Precondition: The LDAP search feature has been configured in the system.
~	Lift the handset.
or	
Speaker	Press the key. The LED lights up.
US: Directory?	Confirm.
or	
*64	Enter the code.
004	
If applicable	If several directories have been configured:
▶ 2=LDAP? ✓	Select and confirm.
U	Enter the name you wish to search for using the keypad (max. 16 characters). You can enter an incomplete name, e.g. "mei" for "Mei- er".
	You can use the keypad with the digits as an alphanu- meric keypad in this case and enter the names by pressing the appropriate keys one or more times as needed. For example, you can enter the letter "r" by pressing the "7" three times or the letter "e" by pressing the "3" twice.
If applicable	If configured (ask your service personnel), you can also search for surname and first name. To separate surname and first name by a space, enter "0". You can enter incomplete names, e.g. "mei p" for "Meier Peter"
If applicable Delete Character?	Select and confirm. The letter entered last is deleted.
	In large databases, the results of the search may be incomplete if too few characters are entered \rightarrow Page 47.

Step by Step	
Search?	Confirm. The name is searched for. This may take a few seconds.
	The result is displayed:
	If only one name is found, it is displayed.
Call?	Confirm.
	If several names are found (max. 50), the first name is displayed.
⊕ or ⊝	Scroll to the next or the previous entry.
Or Scroll Next?	
Or Scroll Previous?	
	Select and confirm.
	If no name is found:
	If your search does not yield any name corresponding to your query, you can extend the range of the search, e.g. by deleting characters.
Change search string?	Select and confirm. For further procedure, see above.
	If too many names are found:
	If more than the maximum of 50 names are found cor- responding to your query, only an incomplete list of re- sults can be displayed.
	You can view these results, select any of the names, or change the search string (e.g. narrow the search by en- tering more characters).
	In this case it is advisable to narrow down the search so that all corresponding names can be displayed.
Show results?	Confirm, to view the incomplete list. For further procedure, see above
or	Narrow the search down.
Change search string?	Select and confirm, in order to change the search string. For further procedure, see above



Talking to Your Colleague with Discreet Calling

If this function has been configured (ask your service personnel), you can join an ongoing call conducted by an internal user at a system telephone with display. You can listen in unnoticed and speak to the internal user without being overheard by the other party (discreet calling).

Lift the handset.



Enter the code.

Enter your internal station number.

Your service personnel can protect your telephone against discreet calling.

Automatic Connection Setup (Hotline)

If this function is configured (contact your service personnel), the system automatically sets up a connection to a preset internal or external destination.

Lift the handset.

Depending on the setting, the connection is either set up **immediately** or only **after** a preset **period of time** (hotline after a timeout).

Reserve Trunk

If this feature is configured (contact your service personnel), you can reserve a busy trunk for your own use. When the trunk is free, you receive a call and a message appears on the display.

Precondition: The message "US:Currently busy UK:busy at the moment" appears on your screen.

Confirm.

When the reserved trunk becomes free:

Your telephone rings. The display shows " Trunk is free".



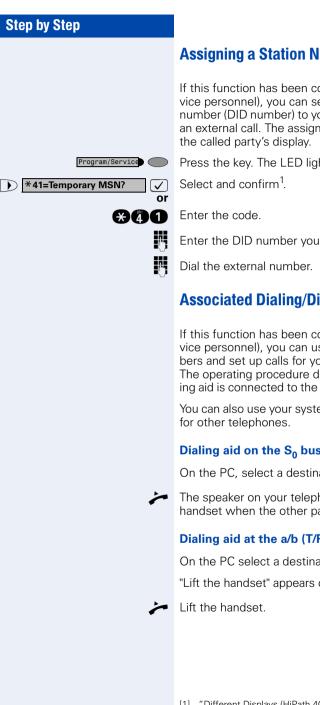
 \checkmark

Reserve trunk?

Lift the handset. You hear the CO dial tone.



Enter the number of the external station.



Assigning a Station Number (Not for U.S.)

If this function has been configured (contact your service personnel), you can selectively assign a specific number (DID number) to your telephone before making an external call. The assigned number then appears on

Press the key. The LED lights up.

Enter the DID number you wish to use.

Associated Dialing/Dialing Aid

If this function has been configured (contact your service personnel), you can use a dialing aid to dial numbers and set up calls for your telephone.

The operating procedure depends on whether the dialing aid is connected to the So bus or the a/b (T/R) port.

You can also use your system telephone as a dialing aid

Dialing aid on the S₀ bus:

On the PC, select a destination and start dialing.

The speaker on your telephone is switched on. Lift the handset when the other party answers.

Dialing aid at the a/b (T/R) port:

On the PC select a destination and start dialing.

"Lift the handset" appears on the PC screen.



50



*67

p,

ß

Dialing aid from your telephone for another telephone:

Press the key. The LED lights up.

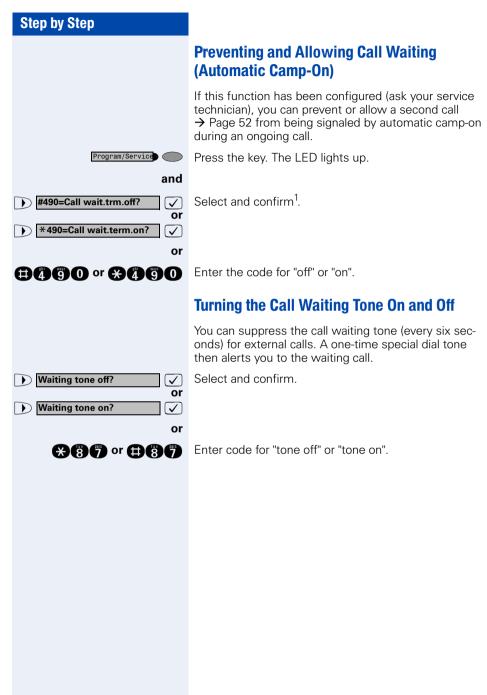
Select and confirm.

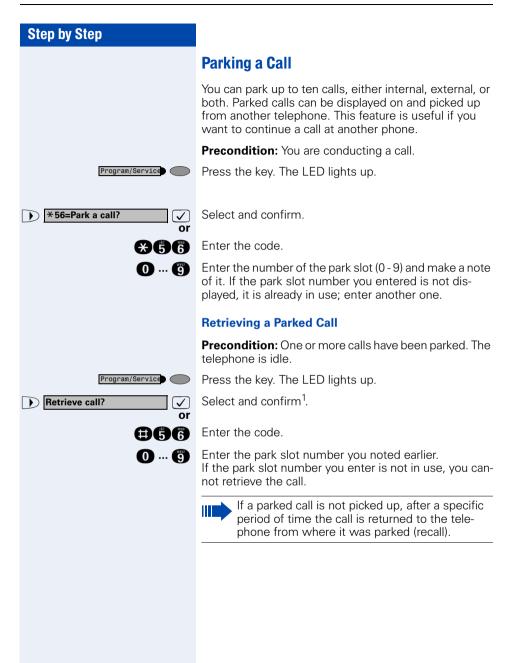
Enter the code.

Enter the internal station number ("Dial for:").

Enter the number you wish to dial.

Step by Step	
	During a Call
	Using Call Waiting
	Callers can still reach you while you are engaged in an- other call. A signal alerts you to the waiting call. You can either ignore or accept the waiting call. When you accept the waiting call, you can either end the first call or place it on hold and resume the call later on. You can also bar call waiting or the call waiting tone \rightarrow Page 53.
	Accepting a Waiting Call (Camp-On)
	Precondition: You are engaged in a phone call and hear a tone (every six seconds).
	Ending the first call and answering the waiting call:
÷	Replace the handset. Your telephone rings.
~	Answer the second call. Lift the handset.
	Placing the first call on hold and answering the sec- ond call:
Call waiting?	Select and confirm.
or	
Program/Service	Press the key. The LED lights up. Enter the code.
*55	You are connected to the call waiting party immediately. The first party is placed on hold.
	Ending the second call and resuming the first one:
Quit and return?	Confirm.
Or Program/Service (*)	Press the key. The LED lights up. Enter the code.
م ب	Replace the handset. "Recall:" appears on the screen. Lift the handset.

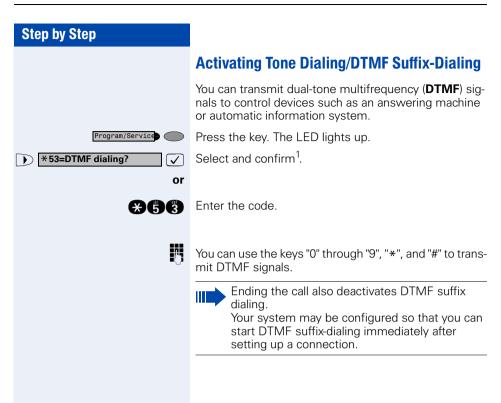






Step by Step	
	Conducting a Conference
	In a conference call, you can talk to as many as four other parties at the same time. These may be internal or external users.
	Call the first party.
Start conference?	Select and confirm.
B	Call the second station. Announce the conference.
Conference?	Select and confirm.
Program/Service 🔿 🏵	Press the key. The LED lights up. Enter the code. The LED goes out.
	A tone sounds every 30 seconds to indicate that a con- ference is in progress. Contact your service personnel for instructions on how to turn it off.
	If the second party does not answer:
Return to held call?	Confirm.
or	
*0	Enter the code.
	Adding Up to Five Parties to the Conference (Initiator Only)
Add party?	Confirm.
	Call the new party. Announce the conference.
Conference?	Select and confirm.
Program/Service (*)	Press the key. The LED lights up. Enter the code. The LED goes out.
	Checking Which Parties Are in the Conference (Initiator Only)
View conf parties?	Select and confirm. The first station appears on the screen.
Next?	To display other stations, confirm each subsequent display.
Exit list?	To exit the list: Select and confirm.

Step by Step	
	Removing Parties From the Conference (Initiator Only)
View conf parties?	Select and confirm. The first station appears on the screen.
Next?	To display other stations, confirm each subsequent d play.
Remove party?	Select and confirm.
	Leaving a Conference
US: Leave conference? Image: Conference in the second	Select and confirm.
or	Replace the handset, if this feature is configured (cor tact your service personnel).
	Ending a Conference (Initiator Only)
End conference?	Select and confirm.
Program/Service	Press the key. The LED lights up. Enter the code. The LED goes out.
or	Replace the handset, if this feature is configured (cor tact your service personnel).
	Removing the ISDN Central Office Party From the Conference (Only for U.S.)
Drop last conf. party?	Select and confirm.
or Program/Service	Press the key. The LED lights up. Enter the code. The LED goes out.



Recording Calls

If configured (ask your administrator), you can record calls.

Precondition: You are conducting a call, the "Recording" key is configured \rightarrow Page 64.

Press the illuminated "Recording" key. The LED lights up.

An announcement notifies you and the person you are speaking with that recording has begun. A beep will also sound every 15 seconds until recording has concluded.

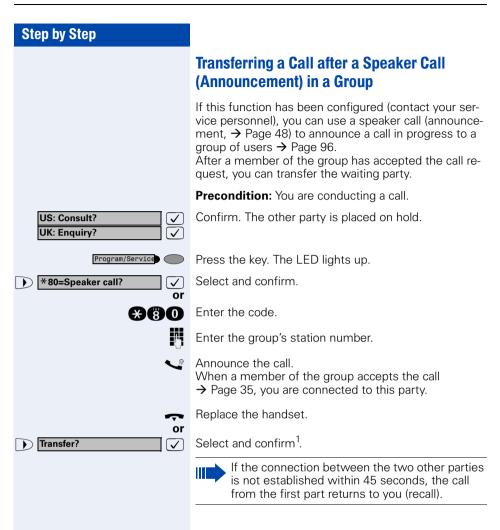
While a call is being recorded, a third party cannot be added to the call.

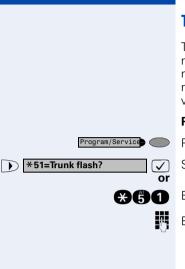
Ending Recording

Press the illuminated "Recording" key. The LED goes out.

Playback

The steps required for playing back a recording depend on the voice memory system (see the corresponding Operating Manual or \rightarrow Page 48).





Trunk Flash

To activate ISDN-type services and features through the network carrier's analog trunks or those of other communications platforms (such as "consultation hold"), you must send a signal to the trunks before dialing the service code or telephone number.

Precondition: You have set up an external connection.

Press the key. The LED lights up.

Select and confirm¹.

Enter the code.

Enter the service code and/or telephone number.

Step by Step	
	If You Cannot Reach a Destination
	Call Waiting (Camp-On)
	Precondition: You have dialed an internal number and hear a busy signal. It is important that you reach the called party.
Camp-on	Wait (approx. 5 seconds) until "Camp-on" appears on the display and the busy tone is followed by the ring tone.
	The called party can then respond $ ightarrow$ Page 52
	The called party can prevent automatic call waiting \rightarrow Page 53.
	If this feature is configured (contact your service personnel), you will hear the ring tone and the message "Camp-on" is immediately displayed.
	Busy Override - Joining a Call in Progress
	This function is only available if it has been configured by the service technician (contact your service person- nel).
	Precondition: You have dialed an internal number and hear a busy signal. It is important that you reach the called party.
● Override?	Select and confirm.
or	
₹6 2	Enter the code.
	The called party and person to whom this party is talk- ing hear an alerting tone every two seconds. If the called party has a system telephone with display, the following appears on the screen: "Override: (station no. or name)".
	You can now start talking.

Night answer on?

*=default?

US: Save?

UK: Save entry?

Night answer off?

Using Night Answer

If appropriately authorized, you can activate night answer mode to forward all external calls straight to a specific internal telephone (night station), for example, during your lunch break or after office hours. The night station can be defined by service personnel (standard night answer service) or by you (temporary night answer service).

Special features must be taken into consideration if your telephone operates with HiPath 5000 (system networking via PC network) → Page 113!

Activating this function:

Select and confirm.

Enter the code.

√ or

 \checkmark

or

or

 \checkmark

V

u or ∎₽₽₽

Press the "OK" dialog key to confirm (standard night answer service).

Enter the code (standard night answer service).

Enter the destination number (= temporary night answer service).

Confirm.

Deactivating night answer:

Select and confirm.

Enter the code.

Service personnel can also configure an "automatic night answer service". The automatic night answer service activates at specific times for your telephone depending on how it is programmed.

You can deactivate the automatic night answer service or replace it with a night answer service you configured (see above).

Saving Functions, Procedures and Appointments

You can save a frequently dialed number \rightarrow Page 28, or frequently used functions/procedures (comprising several operating steps) on any free key on your telephone or add-on device

You can use dual-level key assignment if you have configured a key as the "switching" key (Shift key) and "Extended Key Functionality" is active (refer to relevant service personnel).

In addition to functions/procedures, you can save external or internal station numbers (without LED display) on the second level \rightarrow Page 28.

Corresponding displays guide you through this process → Page 124.

Assigning Functions to Keys

Press the key. The LED lights up.

Select and confirm.

Enter the code.

Press the key. If the key is already in use, its assignment appears on the screen.

US: Change key? UK: Change feature? \checkmark

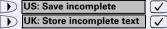
Program/Service

Confirm.

Select and confirm the function, such as "Do not disturb".

All programmable functions appear on the screen. See Quick-Reference Operating Instructions (Appendix): section ... about function keys.

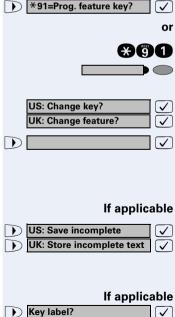
If applicable



Select and confirm.

Some functions (such as "Call forwarding") accept incomplete entries. This means you have to add more digits later on when you activate the function by pressing a key.

Select and confirm to update automatic key labeling. For more information, see \rightarrow Page 119.



US: Exit?	
UK: End?	
US: Another key?	_

UK: Program another key?

Confirm.

✓ ✓ or

1

Select and confirm.

Now press the key to access the function directly. If the function can be turned on and off, such as "Do not disturb", pressing the key multiple times turns the function on and off.

For information on display messages when saving functions \rightarrow Page 124.

Meaning of LED Signals for Saved Functions:

Call forwarding, Call forward. no reply, Forwarding - trunk, Forward Line, US:Night answer UK:Night Service, Do not disturb, Changeover, Advisory message, Ringer cutoff, HF answerback on/off, US:Join/ leave group UK:Hunt group join/leave, Caller ID suppression, Call wait.term., Waiting tone off, Ring Transfer, Recording, Door opener on/off, Control Relay (not for HiPath 2000), Ringing group on, Shift Key, UCD (Available on/off, Work on/off, Night answer on/off), US: MULAP Privacy Release UK: Privacy Release: Saved function is not active.

Saved function is active.

Callback:

You have not set a callback.

You have set a callback.

Mute (on/off):

The microphone is switched on.

The microphone is switched off.

Headset:

The headset is switched off.

The headset is switched on.

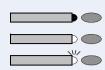
Flashing slowly - call can be taken via headset.

Caller list:

No calls saved.

Call request saved.

Step by Step	
	Repdial key (internal), Direct station select: The other party is not engaged in a call.
	The other party is engaged in a call or has activated do not disturb.
	Flashing rapidly - A caller is trying to reach you, please pick up the phone. Flashing slowly - A caller is trying to reach another party, who has not yet answered.
	Mailbox: No messages present.
	Message(s) present.
	Call key, General call key, Trunk key, MULAP Key, Temporary MSN: No call on assigned trunk.
	Active call on assigned trunk.
	Flashing rapidly- A call has arrived on this line; press the key to pick up the call. Flashing slowly - A call on this line was placed on hold.
	Trunk group key: At least one trunk is free.
	All trunks in the trunk group are busy.
	View call charges: No chargeable calls have been made since the last time call charges were displayed.
	Chargeable calls have been made since the last time call charges were displayed.
	Call forwarding, Forward Line:
	Flashing slowly - Either you or your trunk is the destina- tion of a forwarded call.
	Fax details/answering machine: No fax received or no message on answering machine.
	Fax received or message on answering machine.
	View number of calls: No callers waiting.
	Flashing rapidly - Callers waiting (a certain number is exceeded). Flashing slowly - Callers waiting (a certain number was reached).



Data I/O Service:

No connection to an application.

Active connection to an application.

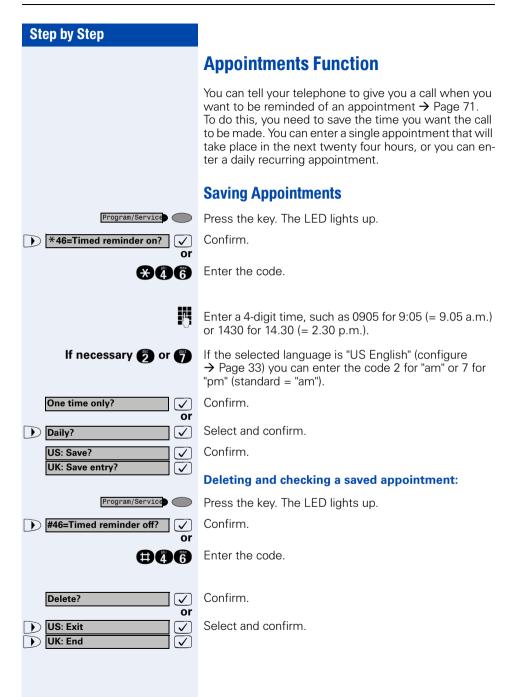
Flashing slowly - Connection to application temporarily interrupted.

The following functions are assigned to keys which have no LED:

Repdial key (external), Procedure key, Trace call, Speeddial, Release call, Clear, US:Lock all phones UK:Telephone Lock, Send message, US:Directory UK:Phonebook (1=internal, 2=LDAP), Call waiting, US:Connect/ Toggle UK:Shuttle, Conference, Speaker call, Retrieve line, Reserve trunk, Release trunk, Temporary Phone, Override, US:Park UK:Call Park, Pickup - directed, Pickup - group, Account code, Show call charges, Radio paging equip, Answer page, Timed reminder, Open door, DTMF dialing, Recall key, Room monitor, Hold key, US:Consult internal UK:Enquiry, US:Consult UK:Enquiry, Associated dial, Associated serv., Tel. data service, Mobile Logon, Discreet Call

Step by Step	
	Assigning a Procedure (Operating
	Steps) to a Key
	Station numbers and functions which require additional inputs, i.e. comprise several operating steps, can be saved to a single key on your telephone.
	Using the associated dial function, for example \rightarrow Page 51, you can save all the remaining inputs re- quired (station number of the calling party + the station number to be dialed) to a single key. Station numbers which require additional inputs but also dial pauses can also be stored.
Program/Service	Press the key. The LED lights up.
▶ *91=Prog. feature key? ✓	Select and confirm.
or	
*91	Enter the code.
	Press the key. If a function has already been assigned to this key, a corresponding message is displayed.
US: Change feature?	Confirm.
Procedure key?	Confirm.
	Enter the procedure, e.g. " *67 231 089123456 ". *67= code for associated dial 231= station number of the calling party 089123456 = number to be dialed.
If necessary	To insert pauses, press this key (a "P" is displayed).
US: Save entry? UK: Save?	Confirm.
or	If you make a mistake:
Previous?	Select and confirm. This deletes all digits entered.
If applicable	
Key label?	Select and confirm to update automatic key labeling. For more information, see \rightarrow Page 119.
US: End? ✓ UK: Exit? ✓	Confirm.

Step by Step	
or	
US: Program another key?	Select and confirm.
	Select the stored procedure by pressing a key. Procedures containing functions which can be switched on/off can be activated by pressing the key, and deactivated by pressing the same key again.
	You can also press a procedure key during a call. The stored digits are automatically sent as DTMF signals \rightarrow Page 58.
	For information on display messages when saving procedures \rightarrow Page 124.



Using Timed Reminders

Precondition: You must have saved a timed reminder → Page 70. The current time is the time stored.

US:	Reminder:
UK:	Reminder at:

Speaker

The telephone rings. The timed reminder appears on the screen.

Press the key twice.

Lift the handset and replace it again.



or

If you fail to answer the timed reminder, it repeats five times and is then erased.

Displaying and Assigning Call Charges

Displaying Call Charges (Not for U.S.)

For the current call:

The display usually shows call charges at the end of a call (default setting).

If you wish to display charges continuously during a call in progress, your service personnel must request this feature from your carrier.

Indication of the cost of a telephone call has to be requested from the service provider and has to be installed by an authorized technician.

Depending on the setting, during or after the call, the display will show the cost of the telephone call.

Some carriers also let you display toll-free external calls. The message "Free of Charge" appears on the screen either before or during the call.

If the cost indication facility has not been installed, the display will show the dialled number and/or the length of the telephone call.



If a call is transferred, the charges are assigned to the telephone to which the call was transferred.

For all calls and the last one conducted:

The connection charges for the last chargeable call conducted are displayed first. Five seconds later, the total accumulated connection charges appear.

Press the key. The LED lights up.

Select and confirm¹.



√ or

Program/Service

*65=Show call charges?

Enter the code.

Step by Step Next? \checkmark Print? \checkmark or **Delete?** \checkmark or Add'l information? D \checkmark or US: Exit? \mathbf{b} \checkmark UK: End? V

Displaying Call Charges for Another Telephone (Not for U.S.)

If this function is configured (contact your service personnel), you can display and print the chargeable calls for other telephones (such as a pay phone).

Precondition: You have programmed the function "View call charges" on a key \rightarrow Page 64.

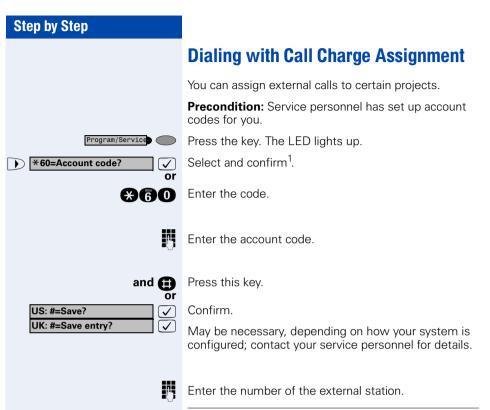
The LED lights up to indicate that a you have conducted chargeable call since the last time you viewed the charges.

Press the "View call charges" key.

The chargeable calls appear on the screen.

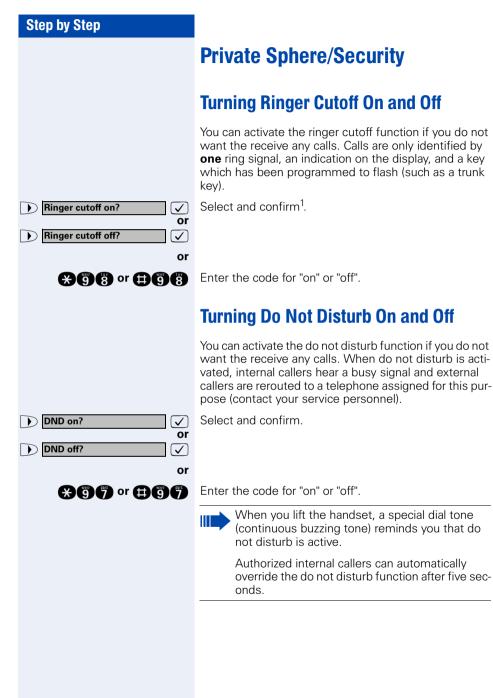
To display further chargeable calls, confirm each subsequent display.

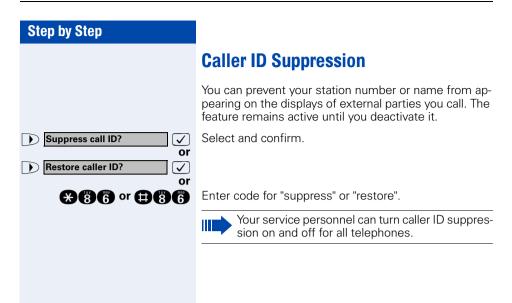
Select and confirm.

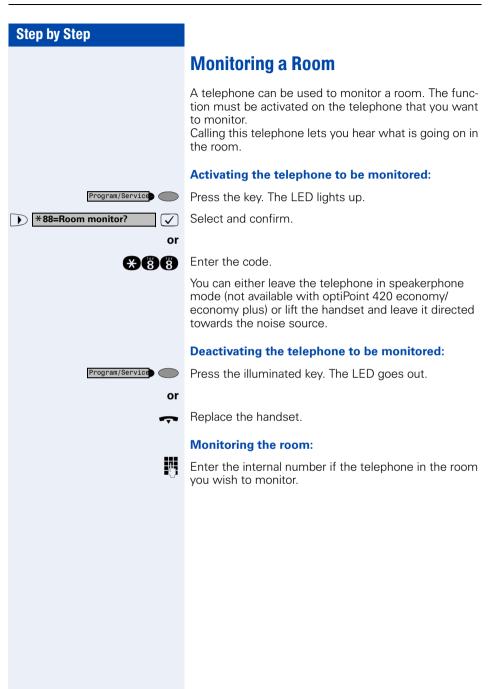


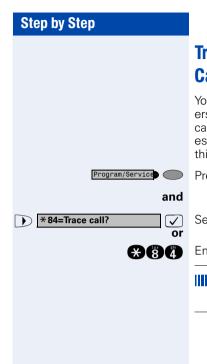


You can also enter the account code during an external call.









Trace Call: Identifying Anonymous Callers (Not for U.S.)

You can have the carrier identify malicious external callers. You can save the caller's station number during the call or for 30 seconds after the call ends. However, it is essential that you do not replace your handset during this time.

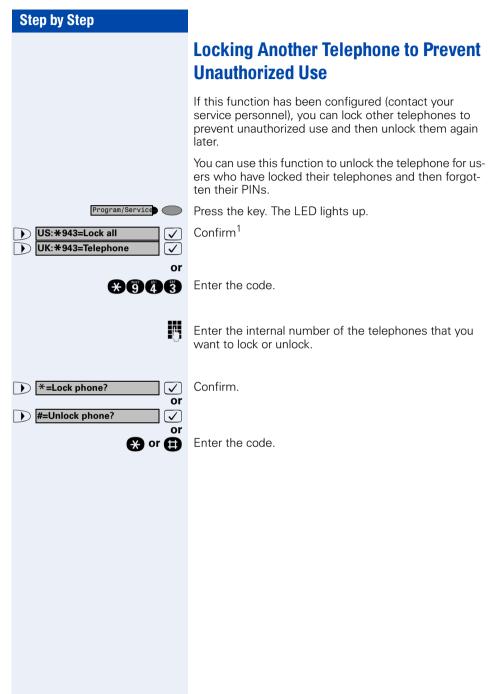
Press the key. The LED lights up.

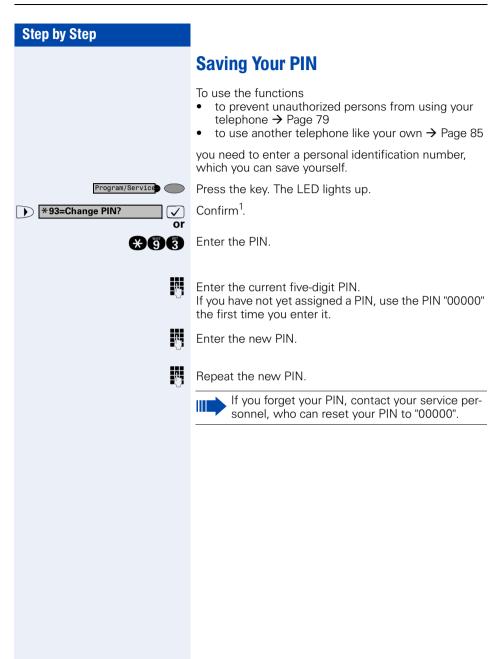
Select and confirm.

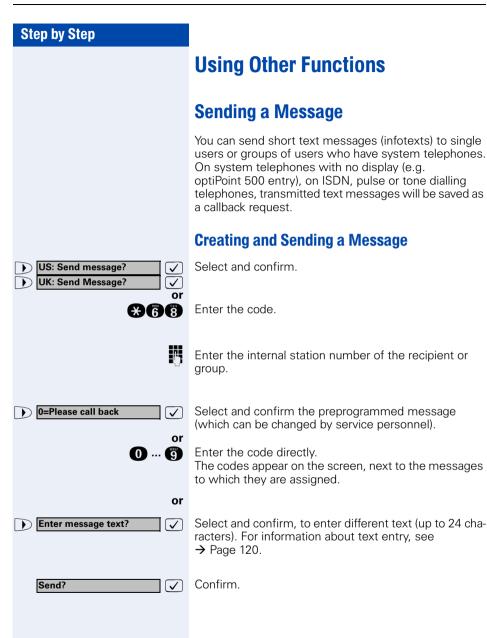
Enter the code.

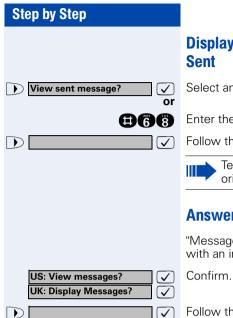
After you have finished tracing the call, the data is stored on the carrier's system. Now contact your service personnel.

Step by Step	
	Locking the Telephone to Prevent Unauthorized Use
	You can prevent unauthorized persons from using your telephone and its electronic notebook during your absence.
	Precondition: You must have configured a personal identification number (PIN) for your telephone → Page 81.
	To lock and unlock the telephone:
Changeover on? Changeover off? Changeover off?	Select and confirm.
or \$66 or #66	Enter the code for "on" or "off".
	Enter the telephone lock PIN \rightarrow Page 81.
_	While the telephone is locked, a special dial tone sounds when you lift the handset. You can continue to dial internal numbers as usual.
	Your telephone can also be locked or unlocked again by an authorized party $ ightarrow$ Page 80.









Displaying and Deleting Messages You Have Sent

Select and confirm.

Enter the code.

Follow the display prompts.

Texts sent to groups can be deleted only by the originator.

Answering Messages

"Messages received:" appears on your screen, along with an indication of the length.

Follow the display prompts.

Step by Step	
	Leaving an Advisory Message
	You can leave an advisory message on your telephone screen for internal callers who want to reach you while you are away from your desk. When another party calls you, the message appears on the caller's screen.
Advisory msg. on?	Select and confirm.
or ♦€9	Enter the code.
) 0=Back at:	Select and confirm the preprogrammed message (which can be changed by service personnel).
09	Enter the code directly. The codes appear on the screen, next to the messages to which they are assigned.
	You can add numeric input to preprogrammed messages that end in a colon.
or	
Enter message text?	Select and confirm, to enter different text. For information about text entry, see \rightarrow Page 120.
US: Save? ✓ UK: Save entry? ✓	Confirm.
	Deleting Advisory Messages
Advisory msg. off	Select and confirm.
or #69	Enter the code.
or	If you have programmed an "Advisory message" key \rightarrow Page 64: The LED lights up. Press the key.

Display Number of Waiting Calls and Overload Indication

You can show the number of external waiting calls on the display by pressing the "View number of calls" key \rightarrow Page 64.

Press the "Waiting calls" key.

If the number of waiting calls exceeds a preset limit while you are engaged in another call (overload), the LED on the key lights up. Contact your service personnel to find out the waiting call limit.

- LED off:
 - No callers waiting.
- LED flashes slowly: You have reached the programmed threshold.
- LED flashes rapidly: You have exceeded the threshold value (overload).

Using Another Telephone Like Your Own for a Call

Other people can temporarily use your telephone for outgoing calls as though it were their own.

Press the key. The LED lights up.

Select and confirm¹.

Enter the code.



Enter th

√ or

Program/Service

*508

If applicable

*508=Temporary Phone?

Change password

Enter the other user's telephone lock PIN \rightarrow Page 81.

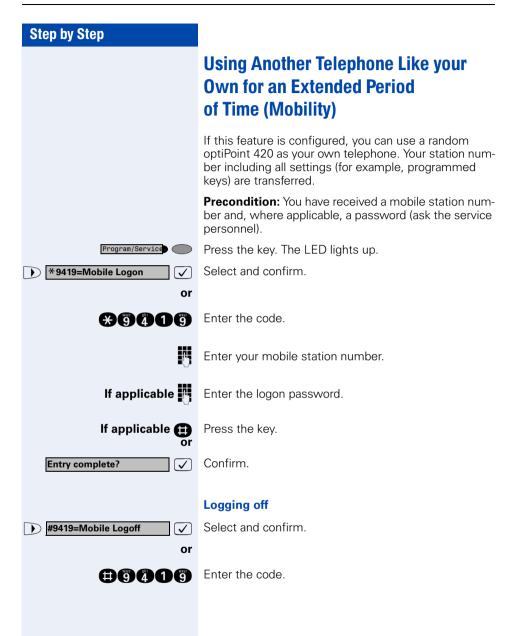
Users who have not yet selected a personal identification number are prompted to do so on their own telephones.



Dial the external number.

This state is canceled at the end of the call.

[1] "Different Displays (HiPath 4000 Environment)" → Page 117



Fax Details and Message on Answering Machine

If a fax or answering machine is connected to your system and you have assigned the "Fax details" function to a programmable key \rightarrow Page 64, the key lights up when a fax or a message has been received.

Deactivating indication:

Press the illuminated "Fax details" key. The LED goes out.

Resetting Services and Functions (System-Wide Cancellation for a Telephone)

There is a general reset procedure for activated functions. The following functions are canceled, if they were activated:

- Forwarding on
- Advisory msg. on
- Ringing group on
- Hunting group off
- Suppress call ID
- Waiting tone off
- DND on
- Ringer cutoff on
- Messages received:
- View callbacks

Program/Service

✓ or

#0=Reset services?

Press the key. The LED lights up.

Select and confirm¹.

Enter the code.

Activating Functions for Another Telephone

If this function has been configured (contact your service personnel), you can turn the following functions on and off for other telephones. This feature is also known as associated service.

- Do not disturb, code: *97/#97 → Page 75
- Call forwarding, code: *11, *12, *13/#1 → Page 22
- Locking and unlocking telephone, code: *66/#66 → Page 79
- Group ringing, code: *81/#81 → Page 96
- Leaving an advisory message, code: *69/#69 → Page 84
- Group call, code: *85/#85 → Page 96
- Reset services and functions, code: #0 → Page 87
- Control relay, code: *90/#90 → Page 94
- Night service, code: *44/#44 → Page 63
- Timed reminders, code *65 → Page 70

Press the key. The LED lights up.

Program/Service

*83=Associated serv?

Confirm.



 \checkmark

or

μ,

μ.

Enter the code.

Enter the internal number of the telephone for which you want to activate the function.

Enter the code, such as *97 for do not disturb.

Follow the prompts on the screen for any further input.

Using System Functions from the Outside (DISA: Direct Inward System Access)

If this function has been configured (contact your service personnel), you can set up external outgoing calls from outside the system, just like an internal user. You can also activate and deactivate the following functions in your system:

- Reset services and functions, code: #0 → Page 87
- Call forwarding, code: +1/#1 → Page 22
- Lock and unlock all phones, code: *66/#66 → Page 79
- Save PIN, code: *93 → Page 81
- Send a message, code: *68/#68 → Page 82
- Leave an advisory message, code: *69/#69 → Page 84
- Group ringing, code: *81/#81 → Page 96
- Group call, code: *85/#85 → Page 96
- Suppress caller ID, code: +86/#86 → Page 76
 - Waiting tone, code: \times 87/#87 \rightarrow Page 53
- Open door, code: $*61 \rightarrow$ Page 37
- Door opener on/off, code: *89/#89 → Page 38
- Control relay, code: *90/#90 → Page 94
- Do not disturb, code: $*97/#97 \rightarrow Page 75$
- Ringer cutoff function, code: *98/#98 → Page 75
- Speed-dialing, code: $*7 \rightarrow$ Page 42
- Associated service, code: *83 → Page 88

Precondition: You have a telephone that uses tone dialing (DTMF dialing) or you can switch your telephone to tone dialing. The telephone is not connected to the system.



R.,

Set up a call to the system. Enter the station number (contact your service personnel).

Wait for a continuous tone (if necessary switch the telephone to tone dialing), then enter the internal number that has been assigned to you and the associated PIN.



Enter the code (necessary only if programmed in the system).

9

or M Wait for a dial tone and then enter the code, such as *97 for Do not disturb on. Make other inputs as necessary; (refer to the operating instructions for pulse and DTMF telephones).

Dial the external number.



You can only execute one function at a time, or set up only one outgoing connection. The connection is immediately released after successful activation of a function. In the case of an external-external call, the connection is released as soon as either of the parties ends the call.

Step by Step Program/Service *503=Keypad dialing? \checkmark or *508 μ. μ.

Using functions in ISDN via code dialing (keypad dialing)

If authorized (contact your service personnel), you can set ISDN functions via code dialing in some countries.

Press the key. The LED lights up.

Confirm.

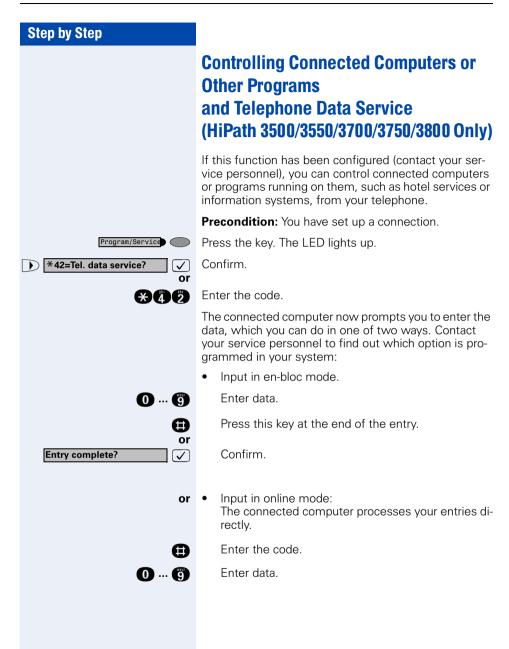
Enter the code.

Enter the number of the trunk you wish to use (contact your service personnel).

Entering a code for required ISDN function (contact your service personnel).

Contact your network provider to find out which ISDN functions can be code-controlled in your country.

Siemens AG shall not be liable for damages/ costs which may be incurred by fraudulent activities or remote operation (e.g. toll fraud).





If this function has been configured (ask your service personnel), you can use your telephone to communicate with PC applications (CSTA = Computer Supported Telecommunications Applications). You send information to the application and receive information from the application, for example, on your telephone's display.



R

Enter the code.

Press the "Data I/O Service" key. (configuring keys \rightarrow Page 64).

Enter the three-digit ID for the application you want to operate.

Use the relevant keys to communicate with the application.

Temporarily interrupting communication with the application:



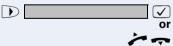
The telephone rings. You accept the call.

The "Data I/O Service" key flashes: communication with the application was automatically interrupted.

Resuming communication with the application:

Press the flashing "Data I/O Service" key. The LED lights up.

Ending communication with the application:



Select and confirm the appropriate CSTA message.

Lift and replace the handset.



Controlling Relays (not for HiPath 2000)

If this function has been configured (contact your service personnel), you can turn up to four relays on and off to control different facilities (such as a door opener). Depending on how they are programmed, you can switch the relays on and off or switch them on and have them switched off automatically after a timeout.



Special features must be taken into consideration if your telephone operates with HiPath 5000 (system networking via PC network) → Page 115!

Select and confirm.

Enter the code for "on" or "off".

1 ... A Enter the relay.

Sensors (HiPath 3300/3350/3500/3550 Only)

If this function has been configured (contact your service personnel), sensors detect signals, causing your phone to ring and a message to appear on your screen.

Radio Paging (Not for U.S.)

If paging equipment is connected to your system (contact your service personnel), you can contact people via their pocket receivers.

The pocket receiver indicates to the person you are looking for that someone is trying to get in touch. The person you page can then go to the nearest telephone and call you.

Paging:

To be paged, you must have activated a call ringing group \rightarrow Page 99, call forwarding \rightarrow Page 22, or call redirection to the internal station number of your paging equipment.

A call request is then signaled automatically.

Answering the page from the nearest telephone:



Į.

Lift the handset.

Enter the code.

Enter your own station number.

Using Other Team Functions

Turning Group Call On and Off

If this function has been configured (contact your service personnel), you belong to one or more groups of users who can each be reached under a hunt group or group call number.

Incoming calls are signaled on all group member telephones in the order in which they are received (hunt group) or simultaneously (= group call) until one member of the group accepts the call.

You can also belong to a team (including executive/secretary ones) in which station numbers are programmed on trunk keys \rightarrow Page 102.

Each member of the group remains available under his or her own station number.

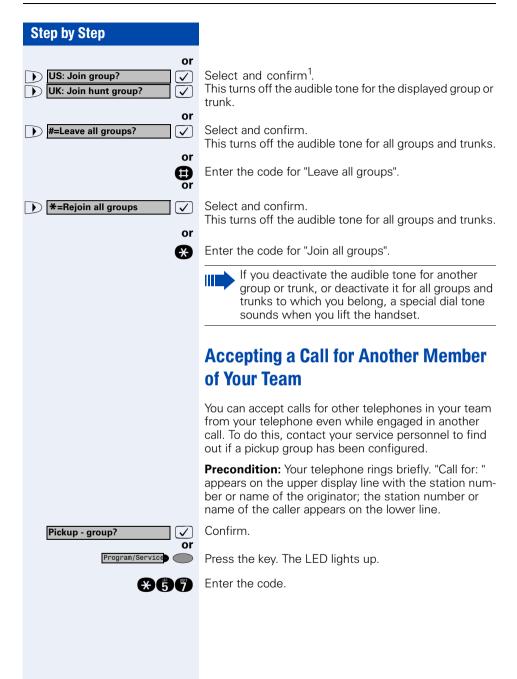
You can activate and deactivate the audible signal for a hunt group, group call or individual trunks in a group (including an executive/secretary team).

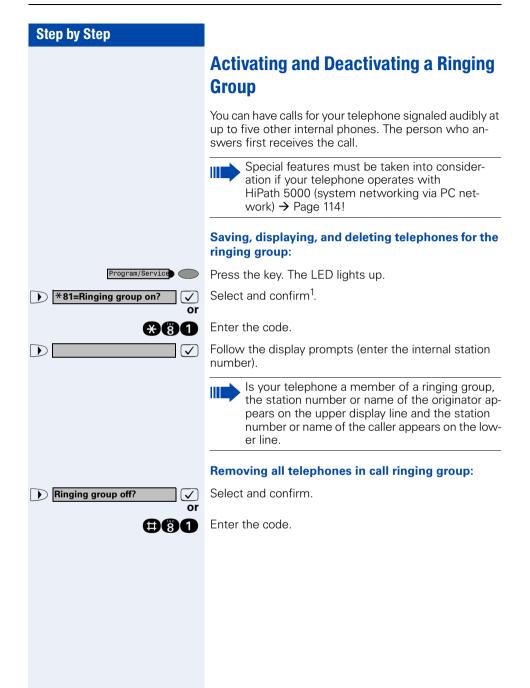
If the LED on a programmed "US:Join/leave group UK:Hunt group join/leave" key \rightarrow Page 64 is illuminated, this means that the audible tone was activated for at least one group.

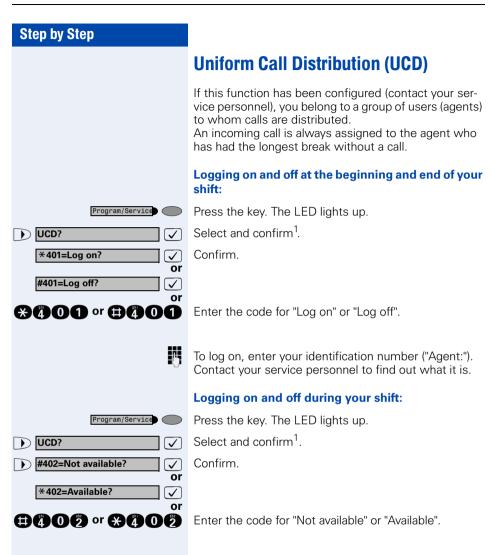


Special features must be taken into consideration if your telephone operates with HiPath 5000 (system networking via PC network) \rightarrow Page 111!

	You belong to a hunt group or a group call:
US: Leave group? Image: Complexity of the second secon	Select and confirm ¹ .
Or US: Join group? UK: Join hunt group?Join Or	
	Enter the code for "leave" or "join".
or	Press the Hunt group join/leave key.
	You belong to multiple groups or to one group with trunk keys (including executive/secretary teams).
US: Leave group? Image: Complexity of the second secon	Select and confirm ¹ .
US: Join group?	
0	Enter the code for "leave" or "join".
or	Press the "Hunt group join/leave" key.
301 x group name Or	If an "x" appears between group/trunk number (such as 301) and group name, the audible tone is active for this group or trunk.
301 group name	No "x" means that the audible tone was deactivated.
Next?	Press the "OK" dialog key to confirm your selection and display the next group or trunk number and group name.
Or US: Leave group? UK: Leave hunt group?	Select and confirm ¹ . This turns off the audible tone for the displayed group or trunk.
	[1] "Different Displays (HiPath 4000 Environment)" \rightarrow Page 117







Step by Step	
	Reques
	If you v without work tii distribu til you l
Program/Service	Press t
	Select a
► *403=Work on?	Confirm
or #403=Work off?	
	Enter th
	Turning
Program/Service	Press t
	Select a
► *404=UCD night on?	Confirm
or #404=UCD night off?	
or ••••••••••••••••••••••••••••••••••••	Enter th
	Display
Program/Service	Press t
	Select a
► *405=Calls in queue?	Confirm
•r • *405	Enter th

sting and activating a work time:

want to follow-up on the last call you answered t being disturbed, you can request and activate a ime. This removes your telephone from the call ution cycle for a programmable period of time unlog back on.

the key. The LED lights up.

and confirm¹

n.

the code for "on" or "off".

g the night service on and off for UCD:

the key. The LED lights up. and confirm¹

m.

the code for "on" or "off".

y the number of waiting calls:

the key. The LED lights up.

and confirm¹.

m.

the code for "on" or "off".

Team and Executive/Secretary Functions With Trunk Keys

If this function has been configured (contact your service personnel), you belong to a team of users for whom special keys were programmed:

- Trunk keys (MULAP keys)
- Direct station selection keys
- Group call key (not on the executive telephone in an executive/secretary team)
- Ring transfer keys (only in an executive/secretary team)

As a team member, you can also program these keys yourself ("MULAP key", "Direct station select", "US:Join/ leave group UK:Hunt group join/leave", "Ring Transfer: on/off") \rightarrow Page 64. You can also program a call forward-ing key ("Forward Line") for each line.

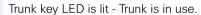
Using Trunk Keys

A separate trunk is assigned to each team member. All other team members have the same trunk keys for these trunks on their telephones. This means that every team member can use all programmed trunk keys. Each team member can also be reached under a separate station number, if one was assigned.

Meaning of LED Indications on Trunk Keys:



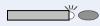




Trunk key LED is flashing **rapidly** - A call on the trunk needs to be answered.



Trunk key LED is flashing **slowly** - A call on hold is waiting.





Precondition: Your telephone is ringing and/or the trunk key is flashing rapidly.

Press the rapidly flashing trunk key. This is not necessary if the trunk is automatically assigned to you when you lift the handset or press the "Speaker" key; in this case the assigned trunk key lights up.

Lift the handset.

With on-hook dialing: Use speakerphone mode (not available with optiPoint 420 economy/economy plus).

Making Calls with Trunk Keys

Press the free trunk key that you want to use to set up your call.

This is not necessary if the trunk is automatically assigned to you when you lift the handset or press the "Speaker" key; in this case the assigned trunk key lights up.



or

Dial the station number.



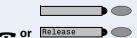
When the other party answers: Lift the handset.

With on-hook dialing: Use speakerphone mode (not available with optiPoint 420 economy/economy plus).

Using a Trunk Key to Place a Call on Hold and Retrieve It Again

Precondition: You are conducting a call over a trunk in your group. The "US:Hold UK:Common Hold" key has been programmed on your telephone \rightarrow Page 64.

Placing a call on hold:



Press the "US:Hold UK:Common Hold" key.

Replace the handset or press the key. Depending on the configuration (contact your service personnel), this may be necessary so other team members can also pick up the call on hold.



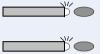


Retrieving the call:

Press the slowly flashing trunk key.

Switching Between Phone Calls on Multiple Trunks

Precondition: You are conducting a call over a trunk in your group. Another trunk key starts flashing.



Press the flashing trunk key. The first party is placed on hold on the other trunk.

Press the slowly flashing trunk key. The second party is placed on hold.

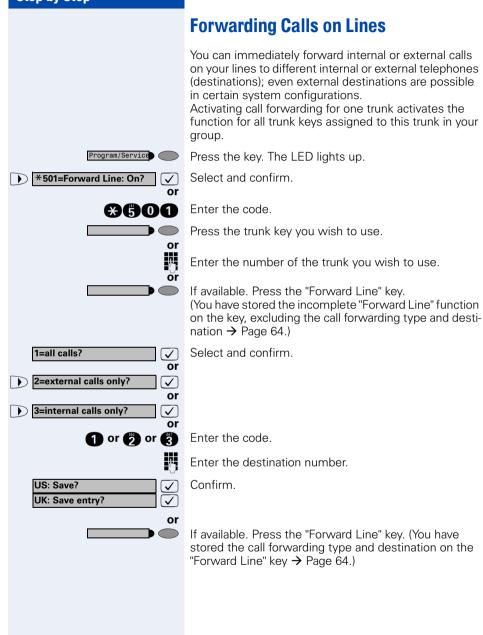
You can switch between the two call as many times as you wish. Always press the slowly flashing trunk key.

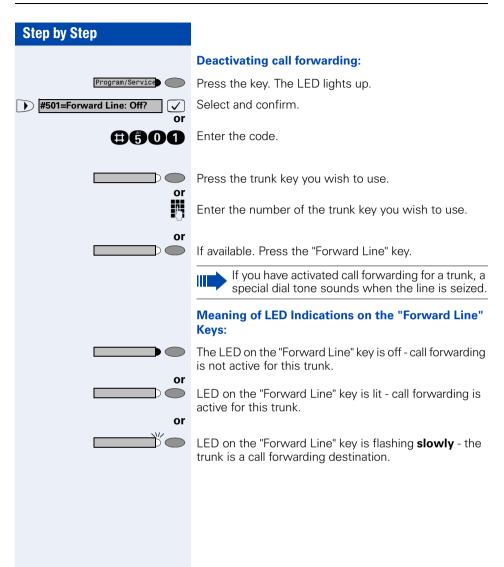
MULAP Conference Release

If this function has been released (ask your service personnel), you can program the US: "MULAP Privacy Release" UK: "Privacy Release" key for your telephone → Page 64.

If you press the programmed US: "MULAP Privacy Release" UK: "Privacy Release" key during a call (key lights up), every user who programmed your MULAP line as a key (key flashes) can join the call by pressing this key.

You do not have to press US: "Consult" UK: "Enquiry" or "Conference" to transfer/accept the call. Your team partner only has to press the flashing line key to join the conference.





Using DSS Keys

Each team member has a DSS key for every other member in the team.

This enables every team member to reach all other members of the team directly, simply by pressing a key.

Meaning of LED Indications on DSS Keys

LED on the DSS key is off - the team member is not engaged in a phone call.

LED on the DSS key is lit - the team member is engaged in a phone call or has activated do not disturb.

LED on the DSS key is flashing rapidly - a call has arrived for you and needs to be answered.

or

Ď

6

or

or

> LED on the DSS keys is flashing **slowly** - a caller is trying to reach another member of your team, who has not vet answered.

Using DSS Keys to Answer Calls

Precondition: Your telephone is ringing and/or a DSS kev is flashing.

Press the flashing DSS key.

This is not necessary if you are receiving a DSS call and the DSS key is flashing rapidly.

- Lift the handset.
- or With on-hook dialing: Use speakerphone mode (not available with optiPoint 420 economy/economy plus).

Calling a Team Member Directly

Press the direct station selection key.

If the team member you wish to reach is engaged in another call, the DSS key on your telephone is illuminated. You can make the call even in this case.



or \mathbf{b}

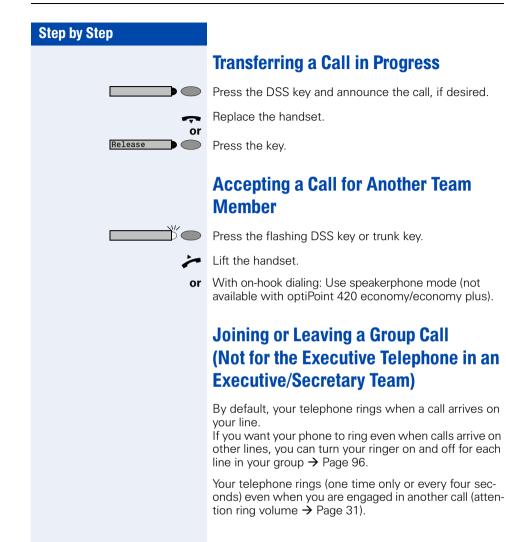
When the other party answers: Lift the handset.

or With on-hook dialing: Use speakerphone mode (not available with optiPoint 420 economy/economy plus).









Transferring Calls Directly to the Executive (Only in an Executive/Secretary Group)

Normally, audible signaling of all calls for the executive is heard only in the secretary's office. You can activate audible signaling so that calls are only signaled on the executive telephone and on a second

Activating ring transfer:

telephone assigned to it.

Press the Ring Transfer" key. The LED lights up.

Press the key. The LED lights up.

Select and confirm.

Enter the code.

or

√ or

 \bigcirc

Program/Service

#600

or

√ or

or

or N

6

*500

Program/Service

*502=Ring Transfer: On?

#502=Ring Transfer: Off?

Press the trunk key you wish to use.

Enter the number of the trunk you wish to use.

Deactivating ring transfer:

Press the "Ring Transfer" key. The LED goes out.

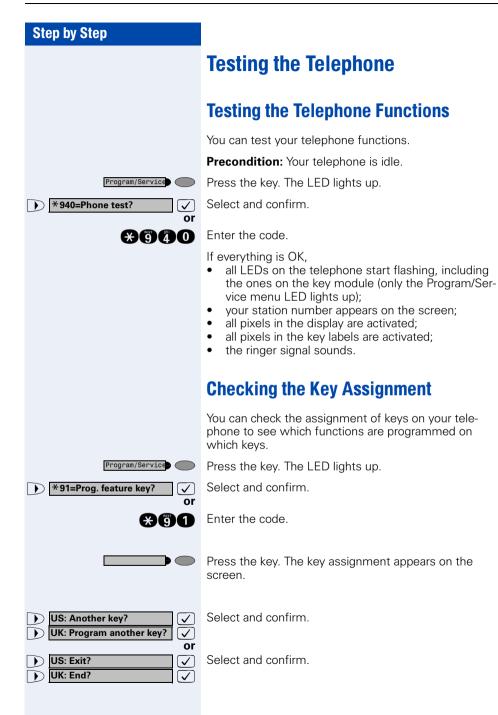
Press the key. The LED lights up.

Select and confirm.

Enter the code.

Press the trunk key you wish to use.

Enter the number of the trunk you wish to use.



Internal DISA?

Leave hunt group?

⊞86 or €866

Join hunt group?

D

Special Functions in the LAN (PC Network)

If your telephone is operating in a HiPath 5000 environment, multiple HiPath 2000/HiPath 3000 systems are interconnected via a LAN (Local Area Network, e.g. proprietary PC network). Your telephone calls are conducted via the LAN (PC network).

If this is the case, you must take certain special features into consideration when performing various functions. These are described below.

Leaving a Hunt Group/Group Call

Precondition: you belong to a hunt group/group call → Page 96 of another HiPath 2000/HiPath 3000:

Select and confirm.

Enter the code.



 \mathbf{x}

√ or

> Enter the (DISA) call number of the other HiPath 2000/ HiPath 3000.

or () Confirm the entry.

Enter the (DISA) call number of your telephone.



 \checkmark

√ or

or

Confirm the entry.

Select and confirm.

Enter the code for "leave" or "join".

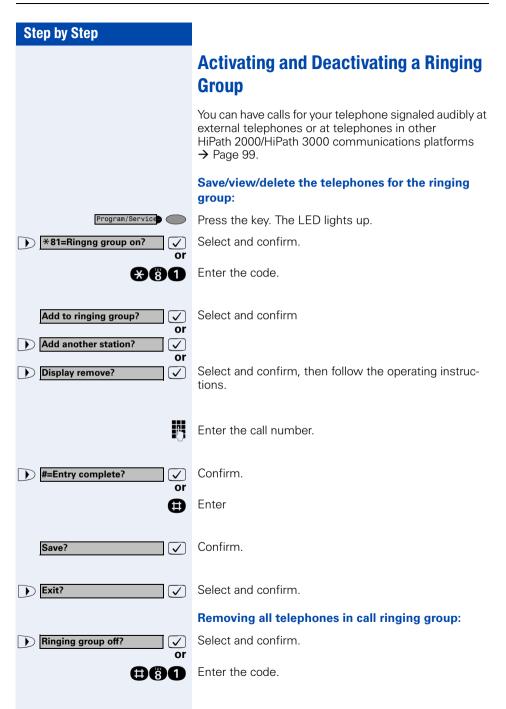
You belong to multiple groups of another HiPath 2000/HiPath 3000:

P,

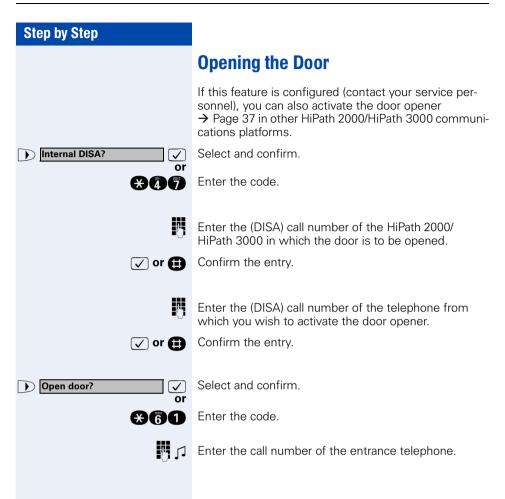
Enter the group number for "Join/Leave, directed".

Step by Step	
	Transferring Call Forwarding
	You can activate/deactivate call forwarding \rightarrow Page 22 for your telephone from other HiPath 5000 telephones.
Internal DISA?	Select and confirm.
or	Enter the code.
U	Enter the (DISA) call number of the HiPath 2000/ HiPath 3000 to which your telephone is connected.
√ or 🗊	Confirm the entry.
8	Enter the (DISA) call number of your telephone.
√ or 🗊	Confirm the entry.
	Activating this function:
Call forwarding on?	Select and confirm.
80	Enter the code.
1=all calls?	Select and confirm.
Or 2=external calls only?	
Or 3=internal calls only?	
or or or	Enter the code.
	Enter the destination number.
■•	
Save?	Confirm.
	Deactivating this function:
Call forwarding off?	Select and confirm.
#0	Enter the code.

Step by Step	
	Using Night Answer
	If authorized (contact your service personnel), you can define telephones in other HiPath 2000/HiPath 3000 communications platforms as the night answer \rightarrow Page 63.
Internal DISA?	Select and confirm.
or	Enter the code.
8	Enter the (DISA) call number of the HiPath 2000/ HiPath 3000 to which the night answer telephone is connected.
🗸 or 🜐	Confirm the entry.
B	Enter the (DISA) call number of the telephone from which you wish to activate/deactivate the night answer service.
🗸 or 🖽	Confirm the entry.
	Activating this function:
▶ Night answer on? ✓	Select and confirm.
or	Enter the code.
6	Enter the destination number (= temporary night an- swer service).
Save?	Confirm.
	Deactivating this function:
► Night answer off? ✓	Select and confirm.
	Enter the code.



Step by Step	
	Controlling Relays (not for HiPath 2000)
	If this feature is configured (contact your service personnel), you can also control relays \rightarrow Page 94 in other HiPath 3000 communications platforms.
▶ Internal DISA? ✓ Or	Select and confirm.
*47	Enter the code.
18	Enter the (DISA) call number of the HiPath 3000 in which the relay is to be controlled.
✓ or (■)	Confirm the entry.
B	Enter the (DISA) call number of the telephone from
	which you wish to control the relay.
√ or 🖽	Confirm the entry.
 *90=Control Relay On? Or #90=Control Relay Off? 	Select and confirm.
or Or Or Or	Enter the code for "on" or "off".
0	Enter the relay.



Different Displays (HiPath 4000 Environment)

Depending on the system configuration, not all functions may appear on the display exactly as shown in this document.

The following table gives an overview of these functions and shows you under which menus they can be found:

Menu	Function	Description
Destinations?	Forwarding on?	→ Page 22
	Change Speed Dial?	→ Page 42
	Caller list?	→ Page 40
	Ringing group on?	→ Page 99
	UCD?	→ Page 100
Feature Settings?	DND on?	→ Page 75
	US: Join group? UK: Join hunt group?	→ Page 96
	US: Leave group? UK: Leave hunt group?	→ Page 96
	Forwarding on?	→ Page 22
	Ringer cutoff on?	→ Page 75
	HF answerback on?	→ Page 35
	Waiting tone off?	→ Page 53
	Mute on?	→ Page 19
	Suppress call ID?	→ Page 76
	Advisory msg. on?	→ Page 84
Use speed dialing?		→ Page 42
Prog. feature key?		→ Page 28
		→ Page 64
PIN / COS?	US: Lock phone? UK: Changeover on?	→ Page 79
	US: Lock all phones? UK: Telephone Lock?	→ Page 80
	Change PIN?	→ Page 81
	US: PIN Code reset? UK: Lock code reset?	→ Page 80
	Temporary Phone?	→ Page 85
Timed reminder on?		→ Page 70

Menu	Function	Description
More features?	DTMF dialing?	→ Page 58
	Speaker call?	→ Page 48
	Retrieve call?	→ Page 54
	Pickup - directed?	→ Page 34
	Account code?	→ Page 74
	Show call charges?	→ Page 72
	Reset services?	→ Page 87
	Trunk flash?	→ Page 61
	Temporary MSN?	→ Page 50
	US: DISA intern?	→ Page 111
	UK: DISA internal?	
Cancel?	_	

Depending on the system configuration, some display texts may differ from the display texts described in this document.

Please refer to the following table for an overview of such texts:

HiPath 3000 Display	HiPath 4000 Display	Description
Call wait.term.?	Camp-on termination?	
Call wait.term.off?	Camp-on deact.?	→ Page 53
Caller list?	Call log?	→ Page 40
Change Speed Dial?	Speed dialing?	→ Page 42
Ringer cutoff on?	Ringer on?	→ Page 75
Service?	Program/Service?	
View callbacks?	Display callbacks?	→ Page 26

Step by Step	
	Changing Key Labels
	When assigning function keys, you can modify the de- fault labels to meet your needs, or change an already modified label back to the default label.
	You have the opportunity to change key labels when you assign any of the following to a key: • a station number→ Page 28, • a function → Page 64 or • a procedure → Page 68.
	Follow the steps for the respective procedure.
	Change or reset the label for a previously assigned key:
Program/Service	Press the key. The LED lights up.
*91=Prog. feature key?	Select and confirm.
or	
*91	Enter the code.
	Press the key whose label you want to modify/reset.
Key label?	Select and confirm.
Change?	Confirm to enter your text, It will be displayed as a key label.
or	For information about text entry, see \rightarrow Page 120.
US: Default Label?	Select and confirm to reset the label to the default.
US: Save?	Confirm to save the changes.
Or Previous?	Select and confirm to cancel the changes.
US: Exit? VK: End?	Confirm.

Entering Text on the Telephone

In the following situations, you can enter text (alphanumeric characters) on the telephone:

- when assigning one of the following to a key:
 - a station number → Page 28
 - a function → Page 64
 - a procedure → Page 68
- when sending a message \rightarrow Page 82
- when leaving an advisory message → Page 84

Entering text via the keypad

0...(), (), ()

Enter text via the keypad. Digit keys must be pressed a specific number of times to enter letters.

Example:

"R" = Press the \bigotimes key once and the \bigcirc key three times.

key	1x	2x	3x	4x	5x
0	[1]	1			
2	а	b	С	2	
3	d	е	f	3	
4	g	h	i	4	
6	j	k	I	5	
6	m	n	0	6	
7	р	q	r	S	7
8	t	u	V	8	
(9	W	х	У	Z	9
0	[2]		-	0	
¥	[3]				
Ð	[1]				

[1] Delete the character to the left

[2] Space

[3] Next letter in upper-case

Labeling, Documentation and Accessories

Labeling Key Fields

Key function labels will be displayed automatically. If you wish, you can change the text of the label to suit your own needs, see \rightarrow Page 119.

Attaching a Station Number Label

Self-adhesive call-number labels are also delivered with your optiPoint.

Write on the call-number label (fire brigade, police, own telephone numbers), then remove and stick it in the recess on the telephone when the handset is lifted.

Documentation

You can find these operating instructions in the Internet in PDF format under

http://www.siemens.com/hipath

and on CD-ROM (ask your service personnel) in HTML and PDF format.

In order to look at and print the operating instructions in PDF format, you need a computer on which the free Acrobat Reader software package is installed by Adobe.

To look at the operating instructions in HTML format you need a computer with a www browser, e.g. Microsoft Internet Explorer.

Accessories

The following accessories help you customize your telephone to your individual preferences. optiPoint adapters are modules which can be plugged into the option bays at the bottom of optiPoint.

optiPoint self labeling key module:

Key module with 13 programmable keys and automatic key labeling.

optiPoint Display Module:

The optiPoint Display Module with large touch screen graphics display and navigation keys for easy access to various applications such as WAP browser, LDAP telephone databases.

optiPoint key module:

Key module with 16 programmable keys.

optiPoint acoustic adapter:

Connects a desk microphone, Headset, external speaker or second handset.

Provides an additional bell for signaling calls in loud environments and similar situations and controls illuminated display panels, such as "Please do not enter" at the entrance to a room.

optiPoint recorder adapter:

Connects an external recorder or a second headset.

Headset:

Headset for frequent telephone users.

Second handset:

Allows you to hear better in noisy environments.

Desk microphone:

For speakerphone mode under poor acoustic conditions.

External speaker:

Improves the sound quality with open listening.

optiPoint Conference Kit:

to improve the hands free speaking quality of telephone conferences.



You will find details about the individual products in your optiPoint telephone data sheets.

Fixing Problems

Telephone Maintenance

- Always use a damp or antistatic cloth to clean the telephone. Never use a dry cloth.
- If the telephone is very dirty, clean it with a diluted neutral cleaner containing surfactants, such as a dish detergent. Afterwards remove all traces of the cleaner with a damp cloth (using water only).
- Never use cleaners containing alcohol, cleaners that corrode plastic, or abrasive powders.

Echo Effect

Echoes can occur - sometimes quite distinctly - in the course of a telephone call. This effect is not caused by a product or design fault in your telephone but rather by the other party's telephone.

Troubleshooting

Pressed key does not respond:

Check whether the key is stuck.

Telephone does not ring:

Check whether the do not disturb function was activated on your telephone (" Do not disturb" appears on the screen). If so, deactivate it \rightarrow Page 75.

You cannot dial an external number:

Check whether you telephone is locked ("US:Not authorized UK:Access denied" appears on the screen). If so, unlock the telephone \rightarrow Page 79.

To correct any other problem:

First contact your service personnel. If your service personnel is unable to correct the problem, contact Customer Service.

US: Invalid entry UK: Incorrect entry

Responding to Error Messages on the Screen

Possible cause:

The station number is incorrect.

Possible response:

Enter a correct station number.

Possible cause:

You tried to activate a disabled function.

Possible response:

Ask your service personnel to authorize you to use the function.

US: Currently not possible UK: Feature not available

Possible cause:

The station number you dialed does not exist. The telephone you are trying to call is unplugged.

Possible response:

Enter a correct station number. Try calling the telephone again later on.

Possible cause:

You dialed your own station number.

Possible response:

Enter a correct station number.

Possible cause:

All memory locations for external station numbers are currently in use.

Possible response:

Try again later on.

US: Not authorized UK: Access denied

US:Invalid station number UK: Number cannot be dialed

US: Key memory is full

UK: Max.no.of keys exceeded

Key affects other layer

Possible cause 1:

If "Delete other layer" appears on the menu: you tried to program a function or internal station number with LED on a key that is already programmed on the second layer (for example, external station number).

Possible response:

Confirm "Delete other layer" to program the station number/function.

Possible cause 2:

If Delete LED support" appears on the menu: you tried to program a station number without LED or an external station number on a key that is already programmed with an internal station number with LED.

Possible response:

Confirm "Delete LED support" to save the station number. The internal station number already programmed remains on the other layer without LED display.

Contacts for Resolving Problems

if you encounter a problem that lasts longer than five minutes, contact your service personnel.

Index

A

accessories	122
account code	74
activating door opener	37
adapter	
advisory message	84
agents	100
announcement	48
answering a timed reminder	71
answering machine	87
call pickup	38
appointment	70
assigning a DID number	50
assigning available keys	64
assigning programmable keys	64
associated dialing/dialing aid	50
Attention Ring Vol	31
automatic connection setup	49
automatic key labeling 29, 64, 6	8, 119
automatic line seizure	17

C

38
80
98
34
22
05
24
03
54
34
55
35
54
55
80
60
07
74

call charges for another telephone	72
call charges for your telephone	72
call forwarding	22
in the event of telephone malfunction	25
MSN in CO	24
call recording	
call request	
call signal	
call transfer	
call volume14,	33
call waiting	
accepting	52
allowing	53
preventing	53
call waiting (camp-on)	62
tone off	53
call waiting on/off	53
call waiting tone on/off	
caller ID	
restoring display of	
suppressing display of caller ID	76
caller ID suppression	76
calling	
entrance telephone	37
calling a second party	
calls	
distributing1	00
calls in queue	00
CE mark	3
CFNR	23
changing key labels 29, 64,	68
charges for another telephone	
charges for your telephone	72
checking key assignments1	
cleaning the telephone 1	23
code dialing in ISDN	91
codes	11
conducting calls with a headset	36
conference	20
connection setup, automatic	49
consultation hold	20
contacts/problems1	
control panel	
optiPoint 420 economy/economy plus	
standard	9
CSTA	93

D

deleting advisory messages	
desk microphone	
details, fax	
dial input editing	39
dialing	
en-bloc	
from the LDAP database	46
internal/external calls	17
dialing a number	
from the caller list	41
with repertory dialing keys	30
dialing aid	
S0-bus	50
dialing Internal calls	17
dialing numbers	
from the internal directory	44
using speed-dialing	42
direct inward system access (DISA)	89
direct station select	
directory, internal	44
DISA	89
discreet calling	49
display	9
angle	33
backlight	33
contrast	32
for HiPath 4000 environment	117
distributing calls	100
do not disturb	
door opener	38
DTMF suffix-dialing (tone dialing)	58

E

editing dial inputs	39
editing the station number	
en-bloc	39
entrance telephone	37
error messages	124
executive/secretary functions	102
explanation of symbols	10
external code	17

F

fax details	87
forwarding	22
multiple subscriber number (MSN).	24
forwarding MSN in CO	24
forwarding multiple subscriber numbe	r
(MSN)	24
function keys	11
functions	
activating/deactivating for another	
telephone associated service	88
programming on keys	64
resetting	87

G

group call	. 96
in a team	108

H

handsfree answerback	
off	
on	
headset	
HiPath 5000	
actuators	
group call	
hunt group	
night answer	
opening the door	
relays	
ringing group	
transferring call forwarding .	
hotline	
HTML format	
hunt group	

I

internal directory	44
IP telephony	111

Index

Κ

IX
key fields, labeling9, 121
key labeling
automatic12
changing text
contrast
keypad dialing91
keys
assigning64
automatic labeling119
fixed9
incomplete save64
labeling121
programmable9

labeling
changing119
labeling key fields9, 121
LAN telephony 111
LDAP telephone database 46
leaving an advisory message
LED indications, meaning of 102, 106, 107
LED signals, meaning65
locking all phones80
locking/unlocking the telephone79

Μ

mailbox48 making calls
on-hook dialing 17
using redial18
with the dialing aid50
making external calls17
making trunk calls17
malfunctions
meaning of LED indications 102, 106, 107
meaning of LED signals65
message
answering83
deleting/displaying82
receiving83
sending82
microphone for speakerphone mode9
mobility

MULAP keys	102
MULAP trunk keys	102

Ν

night answer	63
notes	2

0

open door	
with a code	
open listening	16
opening door	
operating instructions	
HTML format	121
ordering	121
PDF format	
operating principle	11
operating steps	
assigning to a key	68
operating systems	10
optiPoint adapter	122
overload	85
override	62

Ρ

parking a call	54
PDF format	
personal identification number .	
pickup (call)	
PIN	
for a telephone	79
placing a call on hold	55
in a team	
preventing and allowing	
automatic camp-on	53
prime line on	17
problems/contacts	125
procedure	
assigning to a key	68
Program/Service	
programming available keys	64
programming keys	64
programming your telephone	
project calls	74

R

radio paging equipment PSE	
recall	60
receiving volume	
recording	
redialing a number	
from the caller list	
relays	
reserving a trunk	
resetting functions	
resetting services	87
ring tone	
ring transfer	
in an executive/secretary team	109
ring volume	31
ringer cutoff	
ringing group	
room monitor	

S

saving a PIN	
second level	30
secretary functions	102
security	75
self labeling key	
sensors	
setting your telephone	31
Shift	
Shift key	
speaker	
speaker call	48
speakerphone mode	15, 32
special dial tone	
speed-dialing	
dialing numbers	42
saving station speed-dialing	42
suffix-dialing	
system	
station number	
assigning	50
correcting	
saving	
station speed-dialing	
suffix-dialing	
automatic	
DTMF tone dialing	

switches	94
system speed-dialing	42
system-wide cancellation	87

T

team with trunk keys	
telephone	
cleaning	
locking	
locking another	
locking/unlocking	
locking/unlocking all phones	
maintaining	
operating	
settings	
testing	
using another like your own	
telephone data service	
telephone database LDAP	
telephone maintenance	
telephone test	
temporary phone	
testing the telephone	
testing the telephone functions	
text message	
answering	
deleting/displaying	
receiving	
sending	
three-party conference	
time-dependent hotline	
toggle	
toggle/connect	
in the team	
tone dialing	
tone dialing (DTMF dialing)	
trace call	
transfer (call)	
after announcement	
transfer call	
trunk flash	
trunk keys in a team	
trunk keys, MULAP	
trunk, reserving	
,	

Index

U

UCD	
using a caller list	40
using a temporary phone	85
using functions from the outside	89

V

variable call forwarding	22
--------------------------	----

W

waiting calls	85
work time	101

Overview of Functions/Codes (Alphabetical)

The table below lists all available functions as they appear on the display. Functions that have been configured (contact your service personnel) can be activated interactively (select + save) via the Program/Service menu (select + save or enter a code), or by pressing function keys, provided that the functions have been configured (contact your service personnel).

.

Functions (display)	Inter- actively	Via the Program/Service menu Program/Service		Inter- Program/Serv actively menu		With function keys
			Code			
Account code		✓	*60	Х		
Advisory msg. on	✓	\checkmark	*69	Х		
Advisory msg. off	✓	\checkmark	#69	Х		
Associated dial		✓	*67	Х		
Associated serv.		✓	*83	Х		
US:Callback UK:Set Callback	✓	✓	*58	Х		
View callbacks/Delete	✓	\checkmark	#58			
Call waiting	✓	✓	*55	Х		
Waiting tone off	✓	\checkmark	* 87	Х		
Waiting tone on	✓	\checkmark	#87	Х		
Call wait.term.on		\checkmark	* 490	Х		
Call wait.trm.off		\checkmark	#490	Х		
Caller List	√	✓	#82	Х		
Save number	✓	\checkmark	*82	Х		
CFSS on		✓	* 9411			
CFSS off		\checkmark	#9411			
Changeover on	✓	✓	*66	Х		
Changeover off	✓	\checkmark	#66	Х		
Change PIN		\checkmark	*93			

Overview of Functions/Codes (Alphabetical)

Functions (display)	Inter- actively	Via the Program/Service menu Program/Service		With function keys
			Code	
Conference	✓	\checkmark	*3	Х
Start conference	✓			
Adding a party to the conference	✓			
End conference	✓	\checkmark	#3	
View conf parties	\checkmark			
Remove party	✓			
Drop last conf. party (only for U.S.)			* 491	
Consult	✓			Х
Return to held call	✓	\checkmark	*0	
Quit and return	~	\checkmark	*0	
Transfer/US:Accept call UK:Accept	✓			
Control Relay On (not for HiPath 2000)		✓	*90	Х
Control Relay Off (not for HiPath 2000)		\checkmark	#90	Х
Data I/O Service			*494	Х
US:Directory UK:Phonebook				
1=internal	✓		*54	Х
2=LDAP	✓		* 54	Х
DISA				
Internal DISA	✓	✓	*47	Х
En-bloc sending				
Dial	✓			
Discreet Call			*945	Х
DND on	✓	\checkmark	*97	Х
DND off	✓	✓	#97	Х
Door opener on		\checkmark	*89	Х
Door opener off		✓	#89	Х
DTMF dialing		\checkmark	*53	Х

Functions (display)	Inter- actively	Via the Program/Service menu Program/Service		With function keys
			Code	
Forwarding on	✓	✓	* 1	Х
1=all calls	✓	\checkmark	× 11	Х
2=external calls only	✓	\checkmark	*12	Х
3=internal calls only	1	\checkmark	* 13	Х
Forwarding off	1	\checkmark	#1	Х
CFNR on		\checkmark	*495	Х
CFNR off		\checkmark	#495	Х
Trunk FWD on	~	✓	*64	Х
Trunk FWD out	1	1	#64	X
Forward Line: On		✓	* 501	X
Forward Line: Off		✓	#501	X
Headset		•		X
Answer call	~			
HF answerback on	✓	✓	*96	Х
HF answerback off	1	\checkmark	#96	Х
Hotline				
Join hunt group	✓	✓	*85	Х
Leave hunt group	~	\checkmark	#85	Х
Rejoin all groups	✓	\checkmark	*85*	Х
Leave all groups	~	\checkmark	#85#	Х
Lock all phones		✓	*943	Х
Mobile Logon		\checkmark	*9419	Х
Mobile Logoff	~		#9419	
Mute on	✓	\checkmark	*52	Х
Mute off	✓	\checkmark	#52	Х
Night answer on	✓	\checkmark	*44	Х
Night answer off	✓	\checkmark	#44	Х
Open door		\checkmark	* 61	Х
Override	✓	\checkmark	*62	X

Overview of Functions/Codes (Alphabetical)

Functions (display)	Inter- actively	Via the Program/Service menu Program/Service		With function keys
			Code	
Page				
Answer page (not for U.S.)		\checkmark	*59	
Park a call		✓	* 56	Х
Retrieve call		✓	#56	
Phone Test		\checkmark	*940	
Pickup - directed		✓	* 59	Х
Pickup - group	~	\checkmark	* 57	Х
Accept call	~			
Prog. feature key		✓	* 91	Х
Recording				Х
Redial				Х
Reject call				
Release				Х
Reserve trunk	✓			Х
Reset services		✓	#0	Х
Retrieve line		✓	*63	Х
Ring Transfer: On		✓	*502	Х
Ring Transfer: Off		\checkmark	#502	Х
Ringer cutoff on	✓	✓	*98	Х
Ringer cutoff off	~	✓	#98	Х
Ringing group on		✓	*81	Х
Ringing group off		\checkmark	#81	Х
Room monitor		✓	*88	Х
Select language		✓	*48	
Send message	✓	✓	*68	Х
View sent message	~	\checkmark	#68	Х
US: View messages UK: Display Messages	~	\checkmark	#68	Х
Mailbox				х
Keypad dialingl		✓	*503	
Shift Key				Х

Functions (display)	Inter- actively	Via the Program/Service menu Program/Service		With function keys
			Code	
Show call charges (own telephone)		\checkmark	* 65	Х
View call charges (other party's telephone)				Х
Speaker call		\checkmark	*80	Х
Suppress call ID	✓	\checkmark	*86	Х
Restore caller ID	~	\checkmark	#86	Х
Tel. data service			*42	
Temporary MSN (not for U.S.)	✓	✓	* 41	Х
Temporary Phone		✓	*508	Х
Timed reminder on		\checkmark	*46	Х
Timed reminder off		\checkmark	#46	Х
Toggle/Connect	✓	✓	*2	Х
Trace call		✓	*84	Х
Transfer	✓			
Trunk Flash		\checkmark	*51	Х
UCD				
Log on		\checkmark	*401	Х
Log off		\checkmark	#401	Х
Available		\checkmark	*402	Х
Not available		\checkmark	#402	Х
Work on		\checkmark	* 403	Х
Work off		\checkmark	#403	Х
UCD night on		\checkmark	*404	Х
UCD night off		\checkmark	#404	Х
Calls in queue		\checkmark	*405	Х
Use speed-dialing		✓	*7	Х
Change Speed-dial (station)		\checkmark	* 92	X

FCC and Industry Canada Compliance

This section describes the requirements for compliance with Federal Communications Commission (FCC) Rules and Industry Canada CS-03 standard.

FCC Certification and Requirements

The following paragraphs describe requirements and information based on FCC rules.

Service

If you experience problem with the Siemens optiPoint telephone, contact Siemens customer support at 1-800-835-7656 for information on service and repairs. The telephone company can ask you to disconnect the equipment from the network until the problem is corrected or until you are sure that the equipment is not malfunctioning.

FCC Rules, Part 15

The Siemens optiPoint telephone has been tested and complied with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, can cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference in the user's expense.

FCC Rules, Part 68

FCC Part 68 Certification

The Siemens optiPoint telephone is certified with FCC under Part 68 as a component device for connection behind FCC Part 68 certified Siemens PBX systems. In order for the FCC certification of the Siemens optiPoint telephone to be retained, all other products used in conjunction with the Siemens optiPoint telephone must also be FCC Part 68 certified for use with the front-end terminal equipment. If any of these components are not certified, Siemens is required to obtain FCC Part 68 certification of the assembled equipment prior to connection to the telephone network. Part 68 certification requires Siemens to maintain this approval and as such are responsible for the following:

- Any component added to the Siemens optiPoint telephone, whether it bears component certification or not, will require a Part 68 compliance evaluation. Siemens may need to test and make a modification filing to the FCC before that new component can be used;
- Any modification/update made to the Siemens optiPoint telephone will require a Part 68 compliance evaluation. Siemens may need to test and make a modification filing to the FCC before that modified component can be used;
- Siemens optiPoint telephone complies with and will continue to comply with all the applicable rules and regulations in Subpart D of the FCC Part 68 rules during the lifetime of the product.

If at any time the ownership of Siemens optiPoint telephone is transferred to someone else (whether independently or as part of a system), please supply this manual to the new owner.

1. REN

The ringer equivalence number (REN) is used to determine the quality of devices which may be connected to the telephone line. Excessive RENs on the telephone line may result in the devices not ringing in response to an incoming call. In most, but not all areas, the sum of RENs should not exceed five (5.0). At the base of the telephone is a label contains, among other information, the REN and the FCC certification number. If requested, this information must be given to the telephone company. To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.

Note: REN is associated with the analog telephones. It is not applicable to Siemens optiPoint telephone. If requested, please supply the FCC Certification numbers of the front-end host terminal equipment that have a direct Public Switched Telephone Network connection (i.e. have a REN stated on the label) and the highest REN.

- Facility Interface Information Siemens optiPoint telephone connects to the public switched telephone network through FCC Part 68 certified front-end host PBX equipment which specifies the type of network jacks to be used.
- 3. Disruption of the Network If the Siemens optiPoint telephone disrupts the telephone network, the telephone company can discontinue your service temporarily. If possible, the telephone company will notify you in advance. If advance notice is not practical, they will notify you as soon as possible. You are also informed of your right to file a complaint with the FCC.
- 4. Telephone Company Facility Changes The telephone company can make changes in its facilities, equipment, operations, or procedures that can affect the operation of your equipment. If they do, you should be notified in advance so you have an opportunity to maintain uninterrupted telephone service.
- 5. Hearing-Aid Compatibility

Telephones for emergency use and telephones installed in common areas such as lobbies, hospital rooms, elevators, and hotel rooms must have handsets that are compatible with magnetically coupled hearing aids. Persons who are not in common areas must also be provided with hearing-aid compatible handsets, if needed. The Siemens optiPoint telephone complies with the FCC Rules, Part 68, Section 68.316 Hearing Aid Compatibility and 68.317 volume control requirements.

6. Programmed Dialer Features When you program emergency numbers or make test calls to emergency numbers using Siemens products with programmed dialer features, stay on the line and briefly explain to the dispatcher the reason for the call before hanging up. Perform these activities in off-peak hours, such as early morning or late evening.

Equipment Attachment Limitations

The following are notices required by Industry Canada Terminal Attachment Program Certification Procedure CP-01, Part I, Section 14.

Ringer Equivalence Number (REN)

The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5. The REN is associated with the analog loop-start and ground-start telephones. It is not applicable to Siemens optiPoint telephones.

Equipment Attachment Limitations

The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirement documents. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

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The information provided in this document contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products.

An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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