

Operating instructions

(UK)

ISDN feature phone

with electronic telephone book

tiptel 290 ISDN

plus answering machine and SMS

tiptel 291 ISDN/Mailbox

with electronic telephone book and PC interface

tiptel 292 ISDN/CTI

plus answering machine and SMS

tiptel 293 ISDN/CTI/Mailbox

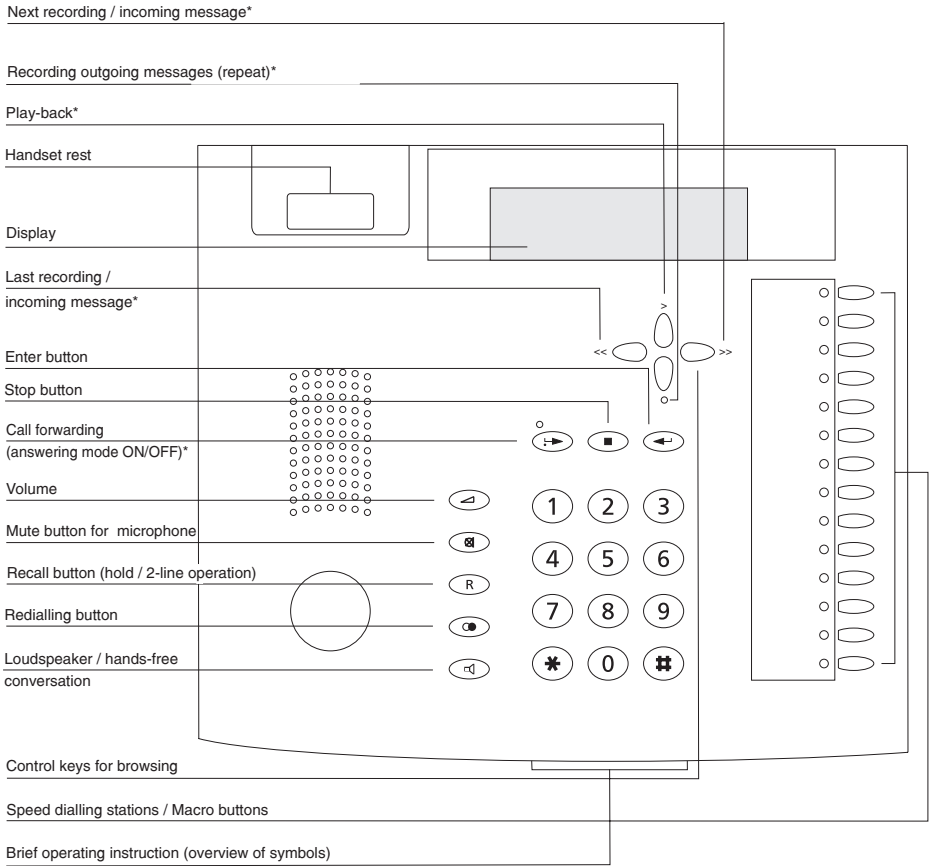


tiptel

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Illustration (upper housing, key pad)

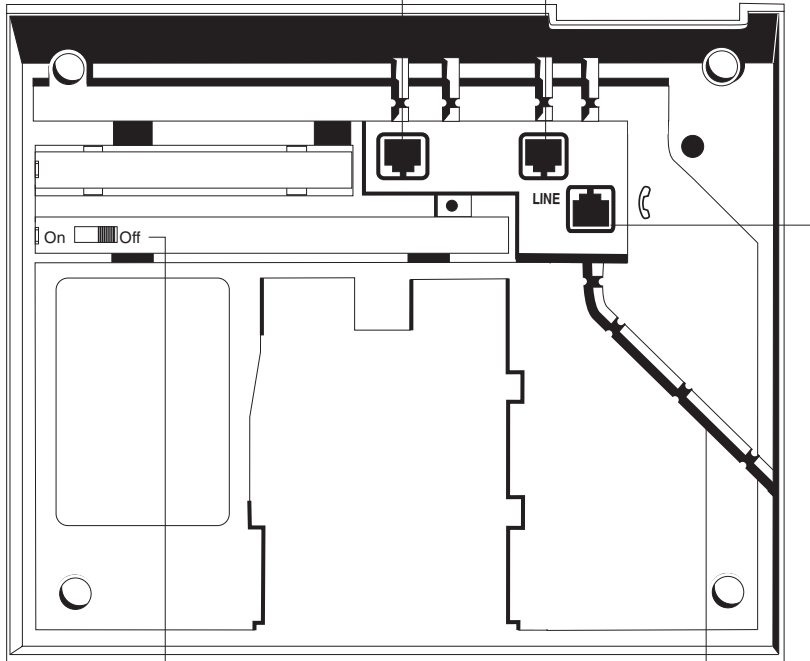


*only tiptel 291/293

Illustration (underneath)

Connection to the ISDN line

Connection to the PC (RS 232) (only tiptel 292/293)



Switch for emergency power feeding

Cable channel for the handset cable

Connection for the handset

Initial operation

Scope of supply

Your telephone scope of supply comprises:

- a telephone handset
- a spiral cable
- an ISDN connecting cable
- operating instructions
- an interface cable RS 232*
- the WINDOWS software "TipKom"
- the TAPI driver "tiptel phone 1"


*only tiptel 292/293

The following special accessory is available (only for tiptel 291/293)

Remote control beeper: The remote control beeper allows you to perform a remote interrogation of your answering machine with telephones that do not support tone dialling.

Connection

Your tiptel telephone is designed for the connection at EURO ISDN point-to-multipoint connections. Before taking the device into operation, all required connecting cables have to be plugged in. To do this, turn the device so that the inputs under the telephone are easily accessible:

- Plug the long end of the curled handset cable in the  jack. The small end of the cable has to be plugged in the corresponding receptacle of the handset.
- Plug the telephone connecting cable in the "LINE" jack. Connect the other end of the cable to the ISDN socket.
- For strain relief, press the cables into the provided cable channels.

ISDN connection

The ISDN access provides a wide range of ISDN features which are supported by your telephone. Not all of these features are offered by your telephone network provider free of charge. You need to order some of those separately. You will receive several telephone numbers (MSN) for your ISDN connection. The first MSN (multiple subscriber number) will be registered automatically after your first telephone call. The provided telephone numbers have to be entered in the MSN menu in order to be addressable. All further telephone settings or answering machine settings (only tiptel 291/293) can be configured individually for each MSN. As for the operation within a telephone system, some features might become restricted. Here, please also refer to the chapters "Access to the public exchange" and "Setting the call transfer function".



Emergency operation

The ISDN access provides power supply for your telephone. The AC adapter of the ISDN NTBA (network termination basic access) must be connected to the 230 V power supply. In the case of a power failure, the exchange office provides a remote power feeding for the emergency operation of one terminal as a maximum. If you want to use your tiptel telephone as emergency telephone, you have to set the switch for emergency power feeding to position "ON". Please be aware that the telephone functions are restricted during emergency operation. The following functions will then not be available:

- LCD display in the idle state
- All answering machine functions (only tiptel 291/293)
- Telephone configuration features
- Hands-free operation / loudspeaker

Button functions



Use the "arrow" keys up/down to open the electronic telephone book. When you are in the data entry mode, you can delete a character or number by the  button and insert a character or number by the  button.



Use the "arrow" keys left/right to select functions or menu levels. You can also position the cursor when you are in the data entry mode.



The "enter" button serves to confirm an entry or a selected function.





Pressing the "stop" button will interrupt a current function or will take you to the higher menu level.



Use the "call forwarding" button to activate or deactivate the pre-programmed call forwarding function or to activate or deactivate the answering mode of the answering machine (only tiptel 291/293)



Having pressed the "volume" button, you can adjust the volume using the  or  keys.



Pressing the "mute" button turns the microphone on or off.



The "recall" button allows to use the functions "hold" or "2-line operation with hold".



The "redial" button is used to redial the last telephone number dialed.



The "loudspeaker" button turns the hands-free operation on or off and serves to connect or disconnect the CO line.



Numeric buttons to dial telephone numbers.



Star and rhombus buttons may support special functions for tone dialling.















Use the speed dialling stations to dial the corresponding stored telephone number directly or assign a specific function via the macro programming control.

Operational hints












Entering the MSNs

Your ISDN connection and thus your telephone can be addressed via one or more telephone numbers (MSNs = multiple subscriber numbers). (These numbers are obtainable at your local telephone network provider.) Up to 6 telephone numbers can be assigned to your telephone.

1. Press the  or  button to select "settings". *Every time you press the button, the display switches between the available functions.*
2. Press the  button
3. Press the  or  button to select "system". *The display shows "system".*
4. Press the  button *The display shows "ISDN".*
5. Press the  button *The display shows "MSN".*
6. Press the  button *The display shows "MSN1" and the MSN if it had been entered.*
7. Press the  or  button to select the desired "MSN" (MSN1 ... MSN6). *The display shows the MSN.*
8. Press the  button *The display shows "enter MSN".*
9. Enter your MSN via the numeric keypad.
10. Press the  button. *The MSN is stored.*

Selecting the outgoing MSN

Here, you define the MSN which is submitted to the exchange office (for your telephone) when you make outgoing calls. The charges incurring for outgoing calls will be assigned to this specific MSN.

1. Press the  or  button to select "settings". *Every time you press the button, the display switches between the available functions.*
2. Press the  button
3. Press the  or  button to select "system". *The display shows "system".*
4. Press the  button *The display shows "ISDN".*
5. Press the  button *The display shows "MSN".*
6. Press the  or  button to select the desired "outgoing MSN". *The display shows "outgoing MSN".*
7. Press the  button *The display shows the current setting.*
8. Enter a number between 1 and 6 via the numeric keypad to select the MSN.
9. Press the  button. *The setting is stored.*




Operational hints

Adjusting the volume

When executing a function with activated loudspeaker, you can adjust the volume to your needs. The display shows the selected volume level.

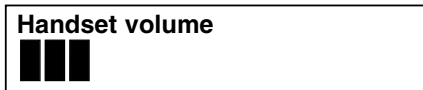





If the volume remains unchanged after 2 seconds, the telephone automatically resumes the earlier displayed volume.

1. Press the  button. The currently set volume is indicated in the display.
2. Press the  button or the  button. The volume is increased by one step. The volume is decreased by one step.

Handset volume

When making a telephone call (and not using the loudspeaker), you can either increase or decrease the handset volume.

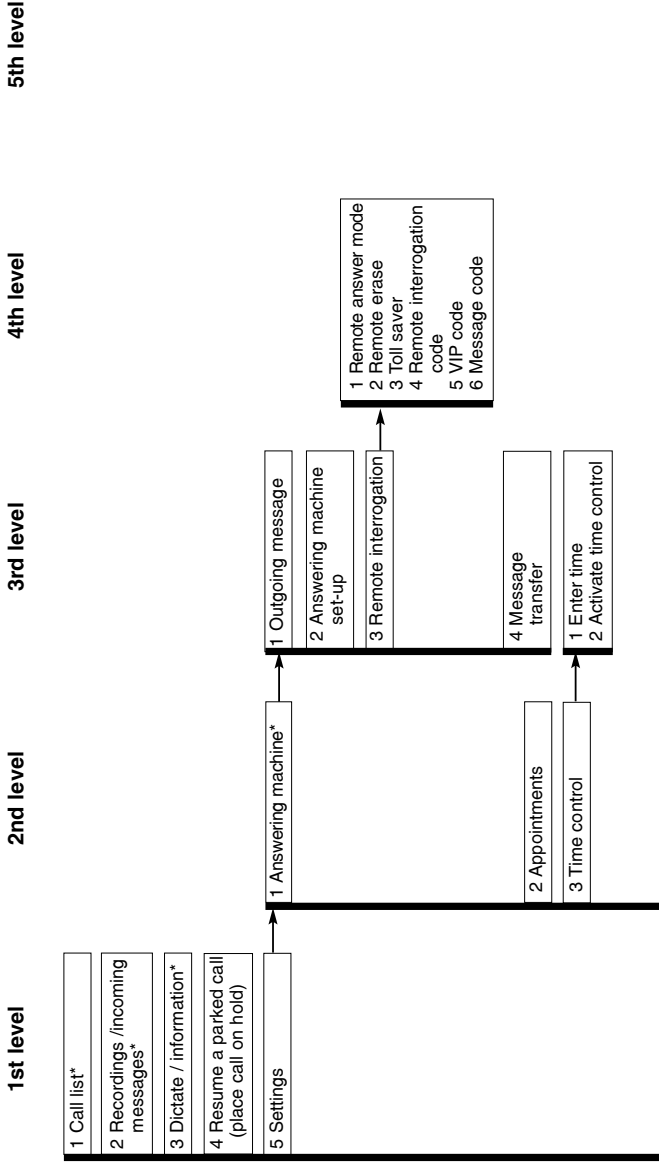


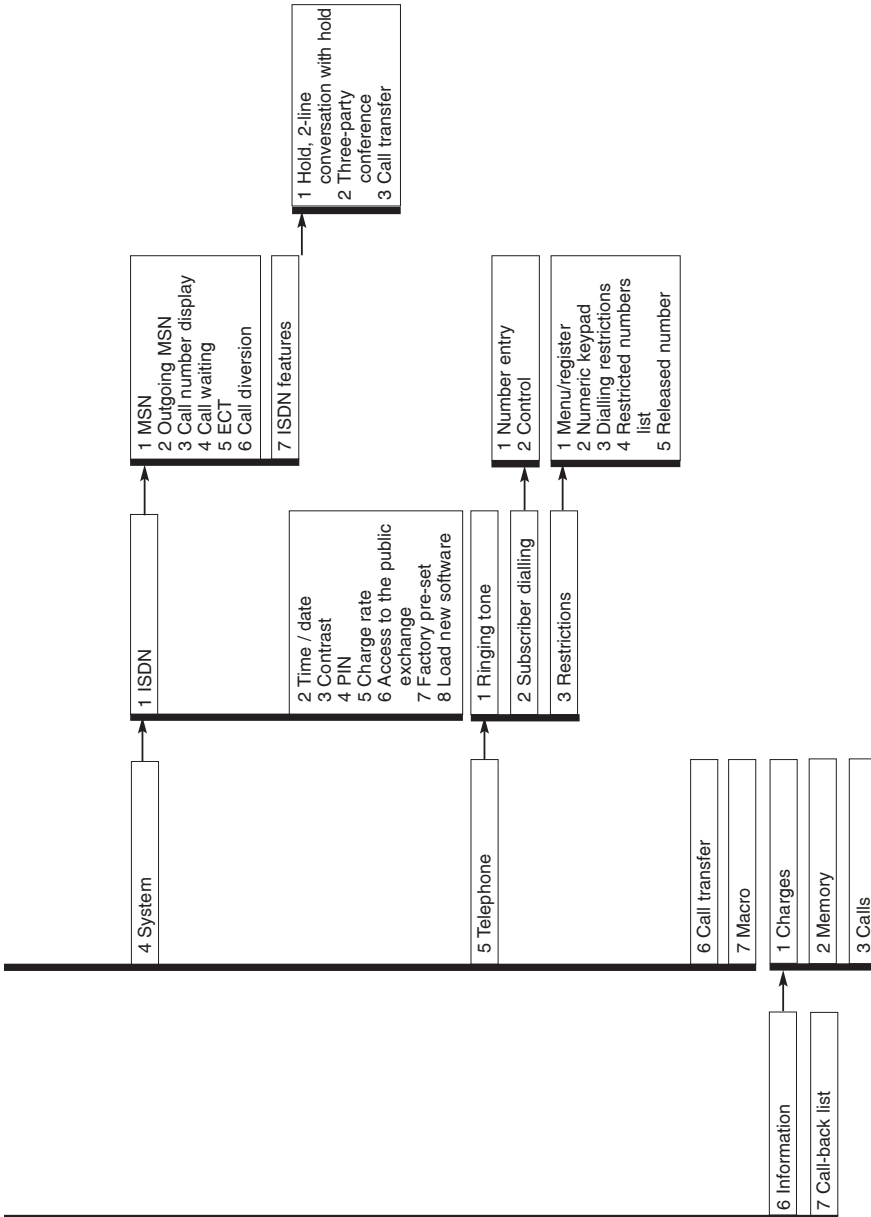
1. Press the  button. The currently set handset volume is indicated in the display.
2. Press the  button or the  button. The volume is increased by one step. The volume is decreased by one step.

If the volume remains unchanged after 2 seconds, the telephone automatically resumes the earlier displayed volume.

Operation overview

All adjustable functions are accessible via the menu. Hereinafter, please find an overview on the different menu levels. You can access the programming menu by pressing the arrow button "left" or "right". The buttons \square serves to go to the next sub-menu or level. Confirm your entries by pressing the enter button \rightarrow . The stop button brings you back to the next higher level. If you press the stop buttons two times, this will lead you back to the initial state. An alternative to go directly to a specific function is the entry of numeric codes after having opened the menu. The numeric codes correspond to the menu branch structure. So, if you want to go to the "appointment function", you can do this via pressing the buttons \square -5-2





* only tiptel 291/293

Telephone calls

Call counter

The telephone has an integrated call counter displaying the number of incoming telephone calls.

Sa 27.10.2007	12:30	current date and time
2 calls		

The call counter is erased automatically:

- when you pick up the handset
- when you check the call list

Direct manual call

Pick up the handset and dial the telephone number to initiate the dialling process. After entering the last digit of the telephone number, all further numbers are sent as dual tone multi-frequency signals (DTMF). This gives you the option to remote-operate terminal equipment.

	021024280	
Call duration —	0:00:02	0.121 — Charging information (AOC)

1. **Pick up the handset.**
2. **Dial the telephone number via the numeric keypad.**

The display shows "Please dial".

The numbers are displayed and the device dials the entered telephone number. As soon as the target subscriber answers the call, the call duration and the charging information are displayed.

After completion of the call:

3. **Replace the handset**

After several seconds, the display returns to the initial state.

The charges incurred for the call are added to the charge memory.

Telephone calls


Off-line call preparation (indirect call)

As for the off-line call preparation, the telephone number is dialled first. Here, you have the option to check the number and to correct it if necessary.

021024289

Please dial

1. Enter telephone number

The telephone number is shown in the display. You can erase the last entry by pressing the  button.

2. Pick up the handset

The dialled telephone number is called. The duration of the call and the incurring charges are displayed as soon as the target subscriber answers the call.

After completion of the call:



3. Replace the handset.

After some seconds, the display returns to the initial normal state. The charges incurred for this call are added to the charge memory.

Dialling from the electronic telephone book

1. Press the  button.

The display shows the first entry of the electronic telephone book.

2. Press the  or  button.

You can browse through the electronic telephone book using the arrow buttons until the desired name is shown in the display.

3. Pick up the handset.


The device starts dialling the telephone number.

or

3. Press the speed dialling station.


The hands-free mode is activated. The telephone number stored with the speed dialling station (e. g. the call-by-call number of a telephone carrier) is dialled.

Remark:



When the electronic telephone book is open, you have the option to enter a name via the numeric keypad (see chapter "Electronic telephone book"). After confirming the new entry by pressing the  button, the corresponding entry is shown. Afterwards, you can continue to browse through the electronic telephone book.

Telephone calls

Redial

The 20 telephone numbers dialled last are stored automatically and can be redialled if desired. The telephone number dialled last is always positioned as the first entry in the list. If you wish to call the telephone number dialled last, just pick up the handset and press the  button afterwards.

Mo 29.10.2007	07:24
1: 021024280	

1. Press the  button.
2. Press the  or  button.

The display shows the redialling memory.

Use the arrow buttons to browse through the redial memory entries until you found the telephone number or name that you were looking for.

Dialling from the redial memory

3. Pick up the handset.

The device starts dialling the displayed telephone number.

Display/erase redial memory



3. Press the  button.
4. Press the  or  button.

The entry is selected.

Every time you press the button, the display switches between:

- telephone number or name
- date/time
- call duration/charges
- erase entry

Erasing:

5. Erase the entry and confirm by pressing the  button.
6. Press the  button in order to exit the list.

The entry is erased. The next number of the redial list is displayed.




The display resumes the normal state.

Telephone calls

Automatic call-back on busy (CCBS)

Should the desired target subscriber's line be busy, the display shows a selection field for automatic redialling and the automatic call-back function, i. e. the function completion of call to busy subscriber. This special feature needs to be released by your telephone network provider. This is not only valid for your installation, but also for the target subscriber's installation. Just replace the handset if you do not wish to use this function. The corresponding menu line is only shown in the display if the CCBS feature is available.

**subscriber busy
call-back**

1. Press the  or  button in order to select the "call-back" function.
2. Press the  button and replace the handset.
3. Wait for signal tone.
4. Pick up the handset.

Every time you press the button, the display switches between the available functions.

The display resumes the normal state. The call-back request is stored in the call-back list.

As soon as the target subscriber's line is free again, a signal tone is heard.








After picking up the handset, you hear a ringing tone and the target subscriber's telephone rings.

Edit call-back list

**021024280
call-back - delete?**

You have activated different call-back requests (6 as a maximum) and now intend to erase some of those.

In the idle state:

1. Press the  or  button in order to select the "call-back" function.
 2. Press the  button.
 3. Press the  or  button.
 4. Press the  button
- or
4. Interrupt the transaction by pressing .

Every time you press the button, the display switches between the available functions.

The call-back list is displayed.




These buttons allow to browse through the call-back list until you found the desired telephone number or name.

The entry is erased from the call-back list.

Telephone calls

Automatic redial

Should the desired target subscriber's line be busy, the display shows a selection field for the automatic redial or the automatic call-back function (CCBS). Select the automatic redial function so that your telephone continues to dial the chosen telephone number.

1. Press the  or  button in order to select the "redial" function.
2. Press the  button and replace the handset.

Every time you press the button, the display switches between the available functions.



The time interval for the next redialling process is displayed. Every 30 seconds, the telephone automatically dials the telephone number in question.

You can stop the automatic redial process:

- by picking up the handset.
- by pressing the  button
- The process is stopped automatically after 10 unsuccessful dialling attempts.

Loudspeaker

When holding a telephone conversation, you can activate the loudspeaker in order to allow other people in the same room to follow the conversation.

1. Press the  button.
2. Press the  button again.

The loudspeaker is activated.

The loudspeaker is deactivated.

Hands-free operation

The hands-free mode allows you to hold a telephone conversation while the handset is on-hook.

You receive an incoming call:

1. Press the  button.
2. Press the  button again after having ended the telephone conversation.

The hands-free mode is activated. Now, you can hold your conversation while the handset is on-hook.

The hands-free mode is deactivated. The call is being disconnected.

You make an outgoing telephone call:

1. Press the  button.
2. Dial the target telephone number.
3. Press the  button again after having ended the telephone conversation.

The hands-free mode is activated.

The device starts dialling.

The hands-free mode is deactivated. The call is being disconnected.

Telephone calls

Switching between handset and hands-free operation

You are holding a telephone conversation using the handset and want to switch to the hands-free operation:

1. Press the  button and keep it pressed.
2. Replace the handset.
3. Release the  button

The hands-free mode is activated.

1. Pick up the handset.

The hands-free mode is deactivated and you can continue holding your telephone conversation via the handset.

Headset-operation

It is possible to connect a headset instead of the handset. This makes telephoning in the office even more comfortable. Remove the curled cable of the handset from the corresponding receptacle and replace it by the relevant headset connecting cable. The handset can either be removed or remain on the telephone.

The function "connection set-up" must have been assigned to one functional key (refer to chapter macro programming).

You receive an incoming call:

1. Press the key "connection set-up".
2. At the end of the telephone call, press the key "connection set-up" anew.

The call is accepted via the headset.

The call is being disconnected.

You make an outgoing call:

1. Press the key "connection set-up".
2. Enter the phone number.
3. At the end of the telephone call, press the key "connection set-up" anew.

The headset is switched on.

The telephone starts dialling.


The call is being disconnected.

Mute function

When holding a telephone conversation you can make a confidential enquiry in the room without allowing your telephone partner to listen to what is spoken.

1. Press the  button.



The symbol "mute" is displayed. The handset microphone and the hands-free microphone are deactivated. You can now make your enquiry in the room.

2. Press the  button again.

The handset and the hands-free microphone are activated again. You can continue with the telephone conversation.

Conversation recording (only tiptel 291/293)

You have the option to record parts of a telephone conversation.

1. Press the  or  button in order to select the "Conversation recording" function.

Every time you press the button, the display switches between the available functions.

2. Press the  button

The conversation recording is started. The display shows "recording".

To end the recording:

3. Press the  button.

The conversation recording is stopped.




A conversation recording is stored by the integrated answering machine as it is done for normal incoming messages. You can playback your recording at any time (see chapter "Play-back incoming messages"). The conversation recording is stopped automatically as soon as the handset is replaced or the recording capacity is exhausted.

Telephone calls

Call tracing (malicious call identification)

(This feature must be released by your local telephone network provider.)

If you are bothered by an unknown caller and want to identify the calling party, you have the option to do so even when the corresponding telephone number is not being transferred and shown in the display.



1. Press the  or  button in order to select the function "malicious call identification (MCI)".
2. Press the  button.

Every time you press the button, the display switches between the available functions.

The telephone number in question is stored in the public exchange office and you can submit a request to your telephone network provider in order to get information about the corresponding subscriber's name.

Placing a call on hold / additional call

During a telephone conversation, you have the option to place the call on hold. While a call is placed on hold, you can make enquiries in the room or make an enquiry call to another subscriber. The party placed on hold cannot listen to your enquiries. In addition, the "hold" function serves to initiate the feature 2-line conversation with hold, three-party conference and call transfer.




1. Press the  button.
2. Press the  button again.

The party is placed on hold within the public exchange office and hears an announcement. Now, you can make your enquiry in the room or dial the telephone number to make an enquiry call to another party.

You are being reconnected to the first telephone partner.

Disconnecting a call

Proceed as follows to disconnect an existing telephone call in order to resume a connection placed on hold:

1. Press the  or  button to select the "disconnect" function
2. Press the  button.

Every time you press the button, the display switches between the available functions.

The call is disconnected. The connection placed on hold is resumed automatically.

Telephone calls

2-line operation with hold

The function "2-line operation with hold" allows you to switch between an active connection and a call placed on hold.

1. Press the **Ⓡ** button.

The active call is placed on hold and the call placed on hold is activated.

Three-party conference

(This feature must be released by your local telephone network provider.)

If you intend to establish a call with two parties at the same time, you need to establish an active call and place one caller on hold.

1. Call subscriber 1 and place the call on hold.
2. Call subscriber 2.
3. Press the **○** or **○** button to select the function "2-line operation with hold".
4. Press the **Ⓡ** button.

Every time you press the button, the display switches between the available functions. Now, you can hold a conference call with both parties.

To end the 2-line conversation with hold:

5. Press the **○** or **○** button to select the function "end 2-line operation with hold".
6. Press the **Ⓡ** button.

Every time you press the button, the display switches between the available functions.

The conference call is stopped. One of the called parties is placed on hold and the other one remains active.

Call transfer (only for telephone system operation)

You receive an incoming call and want to transfer it to another extension (see also chapter "Settings/call transfer").

You want to transfer an incoming call:

1. Press the **Ⓡ** button.
2. Dial the telephone number to which the call shall be transferred.
3. Replace the handset.

The call is being placed on hold. You hear the dialling tone.

A new connection is being established.

The incoming call is transferred to the dialled extension number.

Telephone calls

Call transfer (continued)

You are holding a telephone conversation and want to answer and transfer a second incoming call:

1. Press the **Ⓡ** button.
2. Press the **○** or **○** button to select the function "call transfer".
3. Press the **➡** button.
4. Dial desired extension number for call transfer.

The call is being placed on hold. The connection to the party issuing a call waiting signal is activated.

Every time you press the button, the display switches between the available functions.

You hear the dialling tone.

A new connection is being established. The party issuing the call waiting signal is transferred. You are reconnected to your earlier telephone partner.

Call parking

(This feature must be released by your local telephone network provider.)

You are holding a telephone conversation with an external party and want to park this call for a short time in order to

- resume the call at another telephone at the same ISDN access.

- operate the telephone at another ISDN socket within the same ISDN access.

The call parking feature allows you to place an existing call on hold within the exchange office and to resume it later. Moreover, you have the option to enter a two-digit code number allowing you to differentiate between different calls placed on hold.

Call parking:

1. Press the **○** or **○** button to select the function "call parking".
2. Press the **➡** button.
3. Enter the two-digit code number and confirm your entry by pressing **➡**.

Every time you press the button, the display switches between the available functions.

The display shows a request to enter the two-digit code number for call identification.

The call is placed on hold.

Resume a parked call

(handset is on-hook):

1. Press the **○** or **○** button to select the function "resume parked call".
2. Press the **➡** button.
3. Enter the two-digit code number and confirm your entry by pressing **➡**.

Every time you press the button, the display switches between the available functions.

The display shows a request to enter the two-digit code number for the desired call.

The parked call is resumed and you can continue your telephone conversation.

Telephone calls

Call waiting

You are holding a telephone conversation while another party is trying to call you. This is indicated by a call waiting signal (two short tones). In addition, the telephone number issuing a call waiting signal is displayed. Use the arrow buttons to select the desired function or answer the second call directly by pressing the **Ⓜ** button.

You are holding a telephone conversation and receive another incoming call:

You want to answer the second incoming call:

1. Press the **Ⓜ** button.

*Your current call is placed on hold. You are connected to the second party. You now have the option to switch between these two calls by pressing the **Ⓜ** button (2-line conversation with hold).*

You want to reject the second incoming call:

1. Press the **⓪** or **⓬** button to select the function "reject".
2. Press the **Ⓜ** button.

Every time you press the button, the display switches between the available functions.

The display resumes the normal status.

You want to transfer the second incoming call to your answering machine (only tiptel 291/293):

1. Press the **⓪** or **⓬** button to select the function "transfer to answering machine".
2. Press the **Ⓜ** button.

Every time you press the button, the display switches between the available functions.

The display resumes the normal status. The caller hears the outgoing message of your answering machine and has the option to leave a message.

You want to transfer the second incoming call to another telephone number:

1. Press the **⓪** or **⓬** button to select the function "call deflection".
2. Press the **Ⓜ** button.
3. Press the **Ⓜ** button.

Every time you press the button, the display switches between the available functions.

The pre-programmed telephone number is displayed. If required, dial a new telephone number.

The call is being transferred.

Telephone calls

Answering a call

You receive an incoming call. Your telephone rings. The display shows the following information:

- Name or
- Telephone number or
- Analog network or
- Number presentation restricted.

Call 02102 428

You want to answer the incoming call:

1. Pick-up the handset.

You are connected to the caller and can start your telephone conversation.




You want to reject the incoming call:

1. Press the  button.

Your telephone resumes the normal state.

You want to transfer the incoming call to your answering machine





(only tiptel 291/293):

1. Press the  or  button to select the function "transfer to answering machine".
2. Press the  button.

Every time you press the button, the display switches between the available functions.

The answering machine is activated. The caller hears the recorded outgoing message.

You want to transfer the incoming call to another telephone number:

1. Press the  or  button to select the function "call deflection".
2. Press the  button.
3. Press the  button.

Every time you press the button, the display switches between the available functions.

The pre-programmed telephone number is displayed. If required, dial a new telephone number.

The call is being transferred.

Telephone calls

Keypad

In some exchange offices, the programming of special features (e. g. call forwarding) is effected via the "Keypad protocol". The programming is done via the numeric keys and the buttons \otimes and \oplus . Here, macro programming is provided to assign the keypad function to a speed dialling station (see chapter "Macro programming").

The possible keypad functions are given by your telephone network provider.

- | | |
|---|--|
| 1. Pick-up the handset. | <i>The display shows "please dial".</i> |
| 2. Dial the "keypad" speed dialling station. | <i>The display indicates keypad programming by the symbol "K".</i> |
| 3. Enter the desired programming sequence. | <i>The corresponding numbers are displayed. The exchange office receives the data and confirms them.</i> |
| 4. Replace the handset. | <i>Your telephone resumes the normal state.</i> |

Sub-addressing

(This feature must be released by your local telephone network provider.)

In addition to the multiple subscriber number, you have the option to enter sub-addresses. This can be useful, e. g. if you intend to remote-control your terminals. Use the macro programming to assign the function "sub-addressing" to a speed dialling station. Entering the sub-address is only possible via the off-line call preparation or via the electronic telephone book. Your telephone does not evaluate incoming sub-addresses.






- | | |
|--|--|
| 1. Enter the telephone number via the numeric keypad. | <i>The numbers are shown in the display.</i> |
| 2. Press the "sub-addressing" speed dialling station. | <i>The display shows the symbol "S".</i> |
| 3. Enter the sub-address via the numeric keypad. | <i>The numbers are shown in the display.</i> |
| 4. Pick-up the handset. | <i>The telephone number is dialled together with the sub-address. Now, the called terminal answers or executes a function.</i> |
| 5. Replace the handset. | <i>The telephone resumes the normal state.</i> |

Telephone calls

Call list

The call list provides you with information on the last 20 incoming calls, such as date and time of the call, called multiple subscriber number and the corresponding telephone number of the calling party. If the telephone number was transferred and presented and if this number is stored in the electronic telephone book, the name of the corresponding subscriber is shown instead of the telephone number. If the calling party's telephone number was not transferred and presented, only "call" or "number presentation restricted" is seen. Answered calls are marked with character * in the call list.

Dialling from the call list:

1. Press the  or  button to select the function "call list".
2. Press the  button.
3. Press the  or  button to select the desired subscriber.
4. Pick-up the handset.










Every time you press the button, the display switches between the available functions.

The telephone number or the name of the last caller is displayed with date and time of the call.

You browse through the call list.

The telephone number is dialled.

Display/erase call list:

1. Press the  or  button to select the function "call list".
2. Press the  button.
3. Press the  or  button to select the desired subscriber.
4. Press the  button.
5. Press the  or  button.
6. Press the  button.

Every time you press the button, the display switches between the available functions.

You browse through the call list.

The display shows the addressed multiple subscriber number (MSN) and possibly also the duration of the call.

Every time you press the button, the display switches between:

Take over telephone number:

The electronic telephone book becomes editable.

Erase entry:

The selected entry is erased from the list.

Erase call list:

The entire call list is deleted.

The selected function is executed.

Electronic telephone book / register

General information on the electronic telephone book / register

The electronic telephone book manages names and telephone numbers of your telephone partners and thus becomes your personal telephone manager. The electronic telephone book can store and manage up to 100 entries. You have the option to activate a cost counter and different filter functions per entry. If the cost counter is active, all incurring charges for the entry in question are accumulated and can be viewed via the function "electronic telephone book". The filter function allows a special handling of incoming calls (only possible if the caller's telephone number is presented). On one hand, you have the option to activate the VIP filter. In this case, your telephone will ring for incoming calls from this specific number even if you have deactivated the ringing signal earlier. Another option is the call filter, restricting the ringing signal for incoming calls by a specific telephone number. Then, you can select the call deflection (CD) filter where incoming calls by a specific telephone number are automatically transferred to a pre-programmed extension number (see chapter "Setting call deflection"). You can easily see whether a filter function had been activated when browsing through the electronic telephone book. In this case, "F" is displayed next to the corresponding name. The entries are listed in alphabetical order. For further use and in order to have a back-up of your data, the entire telephone book can be loaded on a PC and reloaded afterwards (see chapter "PC software TipKom", only tiptel 292/293).

Names are entered via the numeric keypad. The corresponding letter is selected by pressing the number key in question either one or several times. Wrong entries can be erased by pressing the $\text{\textcircled{0}}$ button. A blank can be inserted by pressing the $\text{\textcircled{0}}$ button. In the text field, you can move the cursor by pressing the $\text{\textcircled{<}}$ or $\text{\textcircled{>}}$ button.

Entering data

Alphabet (number button 2 to 9):

A = press 2 once	H = press 4 two times	O = press 6 three times	V = press 8 three times
B = press 2 two times	I = press 4 three times	P = press 7 once	W = press 9 once
C = press 2 three times	J = press 5 once	Q = press 7 two times	X = press 9 two times
D = press 3 once	K = press 5 two times	R = press 7 three times	Y = press 9 three times
E = press 3 two times	L = press 5 three times	S = press 7 four times	Z = press 9 four times
F = press 3 three times	M = press 6 once	T = press 8 once	
G = press 4 once	N = press 6 two times	U = press 8 two times	

Special characters (button 0, 1, * and #):

ä = press 1 once	(= press 0 two times	- = press * three times	
ö = press 1 two times) = press 0 three times	: = press * four times	
ü = press 1 three times	_ = press 0 four times	; = press * five times	. = press # three times
ß = press 1 four times	* = press * once	# = press # once	@ = press # four times
/ = press 0 once	+ = press * two times	, = press # two times	& = press # five times

Numbers:

1 = press 1 five times	4 = press 4 four times	7 = press 7 five times	0 =
2 = press 2 four times	5 = press 5 four times	8 = press 8 four times	
3 = press 3 four times	6 = press 6 four times	9 = press 9 five times	












Examples:

1 x button 8	3 x button 4	1 x button 7	1 x button 8	2 x button 3	3 x button 5
= T	= I	= P	= T	= E	= L

Electronic telephone book

Storing data

An entry in the electronic telephone book consists of the name (= search criterion), the telephone number and additional settings if required (e. g. filter function, cost counter).

1. Press the  button. *The display shows "new entry".*
2. Press the  button. *The display shows "name".*
3. Enter the name via the numeric keypad. *Your entry is displayed. The character entered last can be erased by pressing the button.*
4. Press the  button. *The name is now entered. The display shows "number:".*
5. Enter the telephone number via the numeric keypad. *The display shows your entry.*
6. Press the  button. *The telephone number entry is complete. The display shows "cost counter off". If you do not wish to take out further settings, just press the STOP button. You are then lead to the end of the entry options automatically (continue as of point 10).*
7. Press the  or  button. *Every time you press the button, the display switches between:*
 - off:** *The cost counter is deactivated and erased.*
 - on:** *The cost counter is activated. The telephone charges relating to the entry in question are accumulated and updated after each call.*
8. Press the  button. *The display shows "filter off".*
9. Press the  or  button. *Every time you press the button, the display switches between:*
 - Filter off:** *No active filter.*
 - VIP filter:** *An incoming call from this number is indicated by a ringing signal even if the ringing signal had been turned off.*
 - Call filter:** *Incoming calls are not indicated by a ringing signal.*
 - Call deflection (CD) filter:** *The caller is being transferred to the pre-programmed extension (see chapter "call deflection").*
10. Press the  button. *The display shows "store entry?"*
11. Press the  button. *The entry is stored.*



Electronic telephone book

Editing data

Entries in the electronic telephone book can be checked, corrected or erased at any time.

1. Press the  button.

The first entry of the electronic telephone book is shown in the display.

2. Press the  or  button to select an entry.

Use these buttons to browse through the electronic telephone book until the desired entry (name) is displayed.

3. Press the  button.

The display shows "edit entry".

For editing:

4. Press the  button.



The display shows "name:".

5. Enter your changes,

You can now enter your changes. Proceed as for entering new data.

or

For erasing:

4. Press the  or  button to select the entry to be erased.

The display shows "erase entry".













5. Press the  button.

The entry is erased.

System settings












Entering the MSNs

Your ISDN connection and thus your telephone can be addressed via one or more telephone numbers (MSNs = multiple subscriber numbers). (These numbers are obtainable at your local telephone network provider.) Up to 6 telephone numbers can be assigned to your telephone.

1. Press the  or  button to select "settings". *Every time you press the button, the display switches between the available functions.*
2. Press the  button
3. Press the  or  button to select "system". *The display shows "system".*
4. Press the  button *The display shows "ISDN".*
5. Press the  button *The display shows "MSN".*
6. Press the  button *The display shows "MSN1" and the MSN if it had been entered.*
7. Press the  or  button to select the desired "MSN" (MSN1 ... MSN6). *The display shows the MSN.*
8. Press the  button *The display shows "enter MSN".*
9. Enter your MSN via the numeric keypad.
10. Press the  button. *The MSN is stored.*

Selecting the outgoing MSN














Here, you define the MSN which is submitted to the exchange office (for your telephone) when you make outgoing calls. The charges incurring for outgoing calls will be assigned to this specific MSN.

1. Press the  or  button to select "settings". *Every time you press the button, the display switches between the available functions.*
2. Press the  button
3. Press the  or  button to select "system". *The display shows "system".*
4. Press the  button *The display shows "ISDN".*
5. Press the  button *The display shows "MSN".*
6. Press the  or  button to select the desired "outgoing MSN". *The display shows "outgoing MSN".*
7. Press the  button *The display shows the current setting.*
8. Enter a number between 1 and 6 via the numeric keypad to select the MSN.
9. Press the  button. *The setting is stored.*

System settings

Call number display














You have the option to activate or deactivate the call number display for outgoing or incoming calls. The selected option becomes valid for all entered MSNs.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
3. Press the  or  button to select "system".
The display shows "system".
4. Press the  button.
The display shows "ISDN".
5. Press the  button.
The display shows "MSN".
6. Press the  or  button to select "call number display".
The display shows "call number display".
7. Press the  button.
The display shows the current setting.
8. Press the  or  button.
Every time you press the button, the display switches between:
outgoing, incoming: Your telephone number as well as the number of your telephone partner is transmitted and presented.
outgoing: Your telephone number is transmitted and presented only.
incoming: The calling party's telephone number is transmitted and presented only.
OFF: Neither your telephone number nor the calling party's telephone number is transmitted and presented.
The setting is stored.
9. Press the  button.

System settings

Setting the call waiting function














If you receive an incoming call while already holding a telephone conversation, you can determine, whether a signal (two short tones) shall be given for this call or not (see also chapter "Call waiting function").

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "system".
3. Press the  or  button to select "system".
The display shows "ISDN".
4. Press the  button.
The display shows "MSN".
5. Press the  button.
The display shows "call waiting".
6. Press the  or  button to select "call waiting".
The display shows the current setting.
7. Press the  button.
Every time you press the button, the display switches between:
 - ON:** You will hear a call waiting signal when receiving an incoming call while holding a telephone conversation.
 - OFF:** Should you receive an incoming call while holding a telephone conversation, this will not be indicated by a call waiting signal.
8. Press the  or  button.
The setting is stored.
9. Press the  button.

System settings












Setting the call transfer function

The call transfer function offers you the option to transfer an answered call (see also chapter "Call transfer") to another extension. How this function is being executed technically depends on your telephone system. This is either done via the ISDN feature ECT (explicit call transfer) or another function. If you do not wish to support the explicit call transfer (ECT), you can deactivate this function as follows:

1. Press the  or  button to select "settings". *Every time you press the button, the display switches between the available functions.*
2. Press the  button.
3. Press the  or  button to select "system". *The display shows "system".*
4. Press the  button. *The display shows "ISDN".*
5. Press the  button. *The display shows "MSN".*
6. Press the  or  button to select "ECT". *The display shows "ECT".*
7. Press the  button. *The display shows the current setting.*
8. Press the  or  button. *Every time you press the button, the display switches between:
ON: Call transfer via ECT is activated.
OFF: Call transfer via ECT is deactivated.*
9. Press the  button. *The setting is stored.*

Setting the call diversion (CD) function














Here, you have the option to transfer an incoming call to another extension without the necessity to answer this call before. You can pre-program an extension number for this function.

1. Press the  or  button to select "settings". *Every time you press the button, the display switches between the available functions.*
2. Press the  button.
3. Press the  or  button to select "system". *The display shows "system".*
4. Press the  button. *The display shows "ISDN".*
5. Press the  button. *The display shows "MSN".*
6. Press the  or  button to select "call diversion". *The display shows "call diversion".*
7. Press the  button. *The display shows "enter target number".*
8. Via the numeric keypad, enter a telephone number to which the incoming call shall be transferred. *The number is shown in the display.*
9. Press the  button. *The setting is stored.*



System settings

Internal ISDN features (only tiptel 291/293)



The ISDN features "hold", "2-line operation with hold", "three-party conference" and "call forwarding" are features provided by your exchange office and programmable via the telephone. Here, you also have the option to have these features executed by your telephone with no need to have them released by the exchange office. Please be aware that both of the CO lines (B channels) of your ISDN connection will be needed to have the features executed via your telephone.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
3. Press the  or  button to select "system".
The display shows "system".
4. Press the  button.
The display shows "ISDN".
5. Press the  button.
The display shows "MSN".
6. Press the  or  button to select "ISDN features".
The display shows "ISDN features".
7. Press the  button.
The display shows "hold, 2-line operation with hold".
8. Use the  or  button to select an ISDN feature.
Select the desired feature.
9. Press the  button.
The following select options for the feature are displayed.




Hold, 2-line operation with hold:

10. Press the  or  button.
The display switches between "internal" (hold, 2-line operation with hold is executed internally via the telephone) and "external" (hold, 2-line operation with hold is executed externally via the exchange office).

Three-party conference:

10. Press the  or  button.
The display switches between "internal" (three-party conference is executed internally via the telephone) and "external" (three-party conference is executed externally via the exchange office).
Remark: Depending on the exchange office, "hold/2-line operation with hold" may be set to "internal" for the internal three-party conference.











Call forwarding:

10. Press the  or  button.
The display switches between "internal" (call forwarding is executed internally via the telephone) and "external" (call forwarding is executed externally via the exchange office).
Remark: The individual call forwarding parameters "on no answer" and "on busy" are not possible if the "internal" option is set.
11. Press the  button.
The setting is stored.

System settings













Setting time and date

The time and date are automatically set when an outgoing call is made. In addition, you have the option to set time and date manually.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
3. Press the  or  button to select "system".
The display shows "system".
4. Press the  button.
The display shows "ISDN".
5. Press the  or  button to select "time/date".
The display shows "time/date".
6. Press the  button.
7. Enter the time and date via the numeric keypad.
The entered time and date is shown in the display.
8. Press the  button.
The entry is stored.

Contrast adjustment












Here, you can adjust the display contrast.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
3. Press the  or  button to select "system".
The display shows "system".
4. Press the  button.
The display shows "ISDN".
5. Press the  or  button to select "contrast".
The display shows "contrast".
6. Press the  button.
The display shows "contrast" and the contrast indicator bar.
7. Press the  or  button.
The contrast is increased or decreased.
8. Press the  button.
The setting is stored.

System settings











Changing the PIN

You need a PIN (personal identification number) to activate or deactivate call or dialling restrictions (in the factory pre-set, the PIN is 000).

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "system".
3. Press the  or  button to select "system".
The display shows "ISDN".
4. Press the  button.
The display shows "PIN".
5. Press the  or  button to select "PIN".
The display shows "enter PIN".
6. Press the  button.
The entered PIN is shown in the display.
7. Now, enter your personal identification number via the numeric keypad (10 digits as a maximum).
The display shows "enter new PIN".
8. Press the  button.
The entered PIN is shown in the display.
9. Now, enter a new PIN via the numeric keypad.
The entry is stored.
10. Press .

Charge rate










The price for a call charge unit (= charge rate) can be determined individually. If you set the charge rate, your telephone will display the costs incurred for a call directly. The registration of calls and costs (advice of charge) can only work properly if charging information are transferred by your exchange office.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "system".
3. Press the  or  button to select "system".
The display shows "ISDN".
4. Press the  button.
The display shows "charge rate".
5. Press the  or  button.
The entered charge rate is shown in the display.
6. Press the  button.
The entered charge rate is shown in the display.
7. Now, enter the desired charge rate via the numeric keypad.
The entry is stored.
8. Press the .

System settings

Factory pre-set

You can resume the factory pre-set parameters at any time.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "appointment" or "answering machine" (only tiptel 291/293).
3. Press the  or  button to select "system".
The display shows "system".
4. Press the  button.
The display shows "ISDN".
5. Press the  or  button.
The display shows "factory pre-set".
6. Press the  button.
The warning message "ATTENTION! all data are erased" is shown in the display.

To resume the factory pre-set:











7. Press the  button.
The factory pre-set is resumed.

To interrupt:

7. Press the  button.
The function is interrupted (the data are retained).

Access to the public exchange

If the telephone is operated with a telephone system, you may have to dial the line prefix before the subscriber number for outgoing calls. For some telephone systems, you need to program the line prefix with your telephone so that the prefix is automatically entered in the call list.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "system".
3. Press the  or  button to select "system".
The display shows "ISDN".
4. Press the  button.
The display shows "CO line".
5. Press the  or  button to select "CO line".
The display shows a cursor for entries.
6. Press the  button.
Your entry is displayed.
7. Now, enter the line prefix via the numeric keypad (4 digits as a maximum).
The entry is stored.
8. Press the  button.

System settings

If necessary you can update the operating software on the telephone. This is possible via ISDN line from our update server or via the serial RS 232 port of the telephone from your local PC (only tiptel 292/293).

Update via ISDN

- 1. Press \odot or \odot in order to select "Settings".**
Each time you press the button the display alternates between the possible functions.
- 2. Press \odot .**
*The display shows "Appointments" or "Answering machine" (only tiptel 291/293).
The screen shows "System".*
- 3. Press \odot or \odot in order to select "System".**
The display shows "ISDN".
- 4. Press \odot .**
The display shows "Update via ISDN".
- 5. Press \odot or \odot in order to select "Update via ISDN".**
- 6. Press \leftarrow .**
The display shows the "Server number" and may show the number "02102428438".
- 7. Enter the Ttipitel server number if it is not displayed. Please note when using the telephone on extensions that you may need to precede this call number with a code for the outside line. Use the cursor buttons to change the call number if necessary; to enter the numbers press the \odot button; to delete press the \odot button.**
- 8. Confirm the correct entry of the server call number with the \leftarrow button.**
You will be asked whether you really want to start the update.
- 9. Confirm this with the \leftarrow button.**
The display shows "Dial" and the call number of the Tiptel server.

During the update the display will show "Updating, please wait" and a rotating symbol in the bottom left corner. After ending the process, the telephone restarts automatically and goes into standby mode.

Note:











If, after dialling the number, the display shows "You already have the current version" no update is required and the device returns to standby mode. If the connection to the server is broken during the update, the display shows "Update interrupted" and the device returns to the "Update via ISDN" menu option. Start again at Point 6 (see above). All the settings and incoming messages are usually maintained after updating. But we recommend backing up all data beforehand using the "TipKom" PC program supplied (only tiptel 292/293).

System settings

Update via RS-232 (only tiptel 292/293)

You have the option to load a new operating software on your telephone -if necessary. This software can be downloaded from the tiptel-website <http://www.tiptel.com>. Please store the file on your PC and do not forget this storage place!

Afterwards you connect the telephone with your PC via the serial connecting cable and start the software "TipKom phone" as usual. Ensure that the correct COM-port has been set in the menu "configuration" and test the correct function of the connection. Then you define whether the settings shall be stored or not and select "start transfer". In the following window the file must be activated, that was stored right before (it may be necessary to change the index). Upon demand change to the operating modus "load new software" and confirm with "ok".

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "appointment" or "answering machine" (only tiptel 291/293).
3. Press the  or  button to select "system".
The display shows "system".
4. Press the  button.
The display shows "ISDN".
5. Press the  or  button to select "new software".
The display shows "load new software".
6. Press the  button.
The display shows "Attention, program is being deleted" and after some seconds "start loader?".
7. Press the  button to delete the operating software (program) and to start the loader.
After some seconds, the display shows "Loader V1.4".

During the update the display shows a rotating symbol in the left. After finishing the update, your telephone will automatically restart and resume the initial state. Afterwards you may remove the connecting cable.














Remark:

If the display shows "Loader V1.4" although you do not intend to load a new operating software, this function had been activated by mistake. Your telephone is no longer operational. Now you have to load a new operating software and proceed as detailed above. It is not possible to save the data - this menu item must be deactivated. Upon receiving the request to change into the operating modus "load new software", please unplug the connecting cable of the telephone for a few seconds. Thus the PC knows that the telephone is already in this operating modus. Should the operating software be damaged - for what reason ever - and you cannot use the setting menu any longer, you have the option to start the loader program directly: Press buttons 2 and 4 at the same time while reconnecting the telephone to the ISDN access. Afterwards you proceed as described in the above paragraph.

Telephone settings

Ringing tone



















The ringing tone can be adjusted individually with regards to volume, melody and speed. You can assign an individual ringing tone to each entered MSN. If you do not wish to be disturbed by incoming calls, just deactivate the ringing tone. If you want the volume to increase by each ringing tone, you can activate the function "incremental volume control".

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
3. Press the  or  button to select "telephone".
The display shows "telephone".
4. Press the  button.
The display shows "ringing tone".
5. Press the  button.
The display shows "MSN 1" and the selected ringing tone melody.
6. Press the  or  button to select the MSN.
The MSN is shown in the display.
7. Press the  button.
The ringing signal is being heard for verification of the setting.
8. Now, enter the desired ringing signal via a two-digit function code (00 ...99).
The display shows the entry. The new melody is heard.
9. Press the  or  button to select the desired volume or the incremental volume control.
The display switches between "ringing tone OFF", the volume indicator bar and "incremental volume control ON".
10. Press the  button.
The setting is stored.

Telephone settings

Direct dialling (baby call)













The function "direct dialling" (or baby call) allows the automatic dialling of a pre-programmed subscriber number by just pressing any key (except for the menu buttons) or by picking up the handset.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
3. Press the  or  button to select "telephone".
The display shows "telephone".
4. Press the  button.
The display shows "ringing tone".
5. Press the  or  button to select "direct dialling".
The display shows "direct dialling".
6. Press the  button.
The display shows "enter number"
7. Press the  button.
8. Now, enter the desired subscriber number for the direct call or erase the currently stored subscriber number by pressing the  button.
The display shows your entry.
9. Press the  button.
The entry is stored.
10. Press the  or  button to select "switch".
The display shows "switch".
11. Press the  button.
The current setting is displayed.
12. Press the  or  button to activate or deactivate this function.
The display switches between "ON" and "OFF".
13. Press the  button.
The setting is stored.

Telephone settings

Call blocking / keypad locks

You have the option to lock different buttons (e. g. the numeric keypad or access to the menu or electronic telephone book). Locked buttons or dialling restrictions will only get accessible after entering the PIN.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "telephone".
3. Press the  or  button to select "telephone".
The display shows "ringing tone".
4. Press the  button.
The display shows "blocking".
5. Press the  or  button to select "blocking".
The display shows "menu / register".
6. Press the  button.
Every time you press the button, the display switches between:
Menu/register: Restricts the entry or operation via the menu or via the electronic telephone book.
Numeric Keypad: As for the functions "manual dialling" and "speed dialling", the dialling of telephone numbers via the keypad is restricted.
Call blocking: Here, you activate or deactivate the call blocking.
Blocked numbers list: Here, you will get an entry option for telephone numbers that shall be restricted for dialling. You can enter up to 10 different telephone numbers or parts of telephone numbers.
Authorised numbers: Here, you will get an entry option for telephone numbers that shall be released for dialling. You can enter up to 10 telephone numbers.
7. Press the  or  button.
Now, you get an entry option for the selected function.
8. Press the  button.

Telephone settings

Call restrictions / keypad locks (continued)

Menu / register:

9. Press the  or  button.

Every time you press the button, the display switches between:

on: The function is activated.

off: the function is deactivated.

10. Press the  button.

The setting is saved.

Numeric keypad:

9. Press the  or  button.

Every time you press the button, the display switches between:

on: The function is activated.

off: the function is deactivated.

10. Press the  button.

The setting is saved.

Dialling restriction:

9. Press the  or  button.

Every time you press the button, the display switches between:



on: The function is activated.

off: the function is deactivated.

10. Press the  button.

The setting is saved.

Blocked numbers list:

9. Press the  or  button to select a storage location.

The display shows the content of the selected storage location.

10. Press the  button.

The cursor position is displayed indicating an entry option.



11. Enter the corresponding numbers via the numeric keypad.

Your entry is displayed.

12. Press the  button.

The entry is stored.

Authorised numbers:

9. Press the  or  button to select a storage location.

The display shows the content of the selected storage location.

10. Press the  button.


The cursor position is displayed indicating an entry option.

11. Enter the corresponding numbers via the numeric keypad.

Your entry is displayed.

12. Press the  button.










The entry is stored.

Now, enter further telephone numbers or exit the menu by pressing the  button.



Appointments

Enter/edit appointments


The telephone can manage 30 different - one-time or daily recurring - appointments. In addition, it will remind you of an entered appointment by a signal tone right at the entered start time. The appointment list allows you to view all entered appointments and to select them for editing. In order to enter a new appointment, just select the entry "new entry".

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
3. Press the  or  button to select "appointments".
The display shows "appointments".
4. Press the  button.
The display shows the first existing entry or "new entry".
5. Press the  or  button to select an entry.
6. Press the  button.
The display shows "edit entry" or the entry field as for "new entry".




New entry:

7. Enter the appointment via the numeric keypad.
*As for a one-time appointment which will be erased after being executed, just enter the corresponding time and date.
If you do not enter a date, this will indicate that a daily recurring appointment is meant.*
8. Press the  button.
The display shows "enter information".
9. Enter further information (one line) via the numeric keypad.
The display shows the entry.
10. Press the  button.
The appointment is stored.

Editing:



7. Press the  button
The display shows "enter appointment:".
8. Enter your changes.
9. Press the  button.
The changes are saved.

Erasing:


7. Press the  or  button to select "erase entry".
8. Press the  button.
The appointment is erased.


















Time control

Enter/edit time control data

The time control function allows you to control the  button (call forwarding ON/OFF). The time control refers to a specific time and specific days of the week. A maximum of 10 entries is possible. You can enter the valid day of the week for each entry. In order to make a new entry, just select the first item "new entry". The entire time control function can be activated or deactivated via the menu item "time control". If time control data exist, the display indicates this via the symbol  in the normal state.

Mo	-	We	Th	Fr	Sa	Su
12:00						ON




Remark referring to the illustration: The  button is activated on Mondays, Wednesdays, Thursdays, Fridays Saturdays and Sundays at 12:00 hrs.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "time control".
3. Press the  or  button to select "time control".
The display shows "enter time".
4. Press the  button.
The time display for time control switches between "enter time" and "activate".
5. Press the  or  button to select "enter time".
The display shows the first entry or "new entry".
6. Press the  button.
The display shows "edit entry" or in the case of "new entry" it shows the entry field.
7. Press the  or  button to select an entry.
The selected weekday is displayed.
8. Press the  button.
The display shows the weekday in order to indicate the activation of the time control and the symbol "-" "-" to indicate a deactivation.
9. Press the  or  to select the desired weekday for the time control.
The display shows the cursor to indicate an entry option.
10. Press the  or  button to activate or deactivate the function for the selected weekday.
Your entry is shown in the display.
11. Press the  button to select the time settings.
12. Enter the time settings via the numeric keypad.

Time control

Enter/edit time control data (continued)

13. Press the  button to select the time control switching function.

14. Press the  or  button to activate or deactivate the  button (i. e. call forwarding function).

The display switches between "ON" and "OFF".

15. Press the  button.

The entry is saved.

Editing:



9. Press the  button.

10. Now, enter your changes.

The changes are saved.

11. Press the  button.

Erasing:

9. Press the  or  button to select "delete entry".










10. Press the  button.

The entry is erased.

Information

Charges (This feature needs to be released by your telephone network provider)

The charge counter shows the total of all telephone charges for the corresponding MSN accumulated since the last reset of the charge counter. In addition, you can check the accumulated charges for the entire connection (even the charges incurred for other terminals at your S0 bus).

1. Press the  or  button to select "information".
The display shows "information".
2. Press the  button.
The display shows "charges".
3. Press the  button.
The display shows "Extension" and the incurred telephone charges.
4. Press the  or  button to select a desired MSN.
The display switches between the individual MSNs.
5. Press the  button.
The display shows "erase charges?".
6. Press the  button.
The charge counter is reset to 0. The current date is taken as the starting date for further accumulation of charges.
- or
7. Press the  button.
The accumulated charges are not erased. The earlier display is shown.

Information

Memory











Here, you have the option to get informed on the current residual memory capacity of your telephone.


Electronic telephone book:

Here, the display will show the currently free memory capacity of the electronic telephone book in per cent. The erase function will delete the entire electronic telephone book.

Voice memory (only tiptel 291/293):

The voice memory covers the memory for outgoing and for incoming messages. The remaining memory capacity is indicated in per cent. The erase function will delete all recorded incoming messages (not the outgoing messages).












1. Press the  or  button to select "information". *Select the function "information".*
2. Press the  button. *The display shows "charges".*
3. Press the  or  button to select "memory". *The display shows "memory".*
4. Press the  button. *The display shows "telephone book" and the free memory capacity in per cent.*
5. Press the  or  button to select text memory or voice memory (only tiptel 291/293). *The display switches between the voice memory and the telephone book.*
6. Press the  button. *The display shows "erase memory?".*
7. Press the  button. *The memory is being erased.*

- or
8. Press the  button. *The memory is not erased. The earlier display is shown.*

Information

Calls

The call counter gives you an impression on the call frequency. It shows the number of incoming as well as the number of outgoing calls.









1. Press the  or  button to select "information".
The display shows "information".
2. Press the  button.
The display shows "charges".
3. Press the  or  button to select "calls".
The display shows "calls".
4. Press the  button.
The display shows "outgoing:" and the number of outgoing calls.
5. Press the  or  button.
The display switches between "outgoing" and "incoming".
6. Press the  button.
The display shows "erase memory?".
7. Press the  button.
The memory is being erased. The current date is taken as the starting date for the new call counter.
- or
8. Press the  button.
The call counter is not erased. The earlier display is shown.

Macro programming



Macro programming

Via the macro programming, you have the option to assign function or telephone numbers to the 14 speed dialling stations of your telephone. This allows you to execute frequently used settings or functions during a call. Some of the speed dialling stations are already pre-assigned and labelled accordingly.

The last speed dialling station is already pre-assigned and labelled "macro". By pressing this button, you skip steps 1 to 3 of the following procedure and start with step 4.

1. **Press the  or  button to select "settings".** *Every time you press the button, the display switches between the available functions.*
2. **Press the  button.**
3. **Press the  or  button to select "macro".** *The display shows "macro".*
4. **Press the  button.** *The display shows "select key".*
5. **Press the desired speed dialling station.** *The display shows the corresponding speed dialling station.*
6. **Press the  or  button to select a macro function.**

For telephone numbers only:

- **press the  button** *The display shows "enter telephone number"*
 - **Enter the desired telephone number via the numeric keypad.** *The telephone number is shown in the display.*
1. **Press the  button.** *The function or telephone number is stored.*

Remark:

The following macro functions will either directly be executed by the telephone or the display will show an entry request:

Target telephone number (dialling, pick-up ...), keypad (change to the keypad mode with entry option), subaddressing (change to subaddress with entry option), three-party-conference, disconnecting a call, call transfer, call parking, call deflection (CD) and enquiry/switching between lines, connection set-up (headset operation).

In contrast to this, the following macro functions directly lead to the relevant menu item and thus shorten the browsing through the menu:



Call list, outgoing MSN (only needed if several MSNs are used, which is not recommended), phone number display, contrast, appointments, time control, call forwarding, ringing tone, information, direct dialling and macro.

Important:



It is not possible to further operate the telephone while entering menu settings via macro buttons.

Call forwarding



Call forwarding

The call forwarding function allows you to forward an incoming call for your telephone number to another extension or subscriber. The call forwarding can be individually pre-set for each MSN. In the normal state, press the  button to activate this function. Whether the call forwarding is activated or not is indicated via a red LED and in addition to that, the display shows "call forwarding". You can deactivate the call forwarding function by pressing the  button again. To check which kind of call forwarding was programmed in the exchange office, you can use the menu item "call forwarding".

110 24.10.2007	08:32
Call forwarding	

1. Press the  or  button to select "settings".

2. Press the  button.

3. Press the  or  button to select "call forwarding".

4. Press the  button.

5. Press the  or  button to select the MSN.

6. Press the  button.

Every time you press the button, the display switches between the available functions.

The display shows "appointments" or "answering machine" (only tiptel 291/293).

The display shows "call forwarding".

The display shows "MSN1" and the activated call forwarding.

Select the desired MSN.

The display shows "Act. call forwarding".

Call forwarding

Call forwarding (continued)

7. Press the  or  button.

The display switches between the individual call forwarding options, i. e. unconditional, on busy, on no reply, answering mode and off:

unconditional: *All incoming calls are directly forwarded to the programmed target telephone number.*

on busy: *An incoming call is only forwarded to the programmed target telephone number if your line is busy.*

on no reply: *An incoming call is forwarded if it is not answered within 15 seconds.*

off: *There will be no call forwarding. The answering machine is not turned on.*

The cursor is shown in the display.

8. Press the  button.

The display shows "enter target number" (only for call forwarding unconditional, on busy, on no reply).

Enter target telephone number for call forwarding:



9. Enter the desired target telephone number for call forwarding via the numeric keypad.

The display shows your entry.

10. Press  button.

Answering machine (only tiptel 291/293)

Answering mode

The answering mode and the call forwarding function are activated or deactivated (corresponding to the pre-set parameters) by pressing the  button. The display shows the call counter, the counter for incoming messages and the LED positioned above the  button is lit. The call counter is set to 00. In addition, incoming messages are indicated by the blinking LED. A programmed call forwarding function always has priority.














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ICM 01	Calls 03

Answering machine set-up

Here, you have the option to set-up the answering machine individually according to your personal needs.

The following options are set via the menu:

- Selection of the outgoing message
- Call delay
- Ringing signal/call screening
- Length of incoming messages
- Set-up for the answering mode.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "answering machine".
3. Press the  button.
The display shows "OGM".
4. Press the  or  button to select "answering machine set-up".
The display shows "answering machine set-up".
5. Press the  button.
The display shows "MSN 1".
6. Press the  or  button to select the MSN to be configured for answering mode.
The display shows the corresponding MSN.
7. Press the  button.
The display shows "select OGM".
8. Press the  or  button to select a function.
The display switches between the available functions, i.e. select OGM, call delay, ringing signal/call screening, length of recording and message transfer.
9. Press the  button.
The cursor is displayed for the selected function.

Answering machine (only tiptel 291/293)

Answering machine set-up (continued)

Select outgoing message (OGM):

10. Enter a number between 1 and 7 via the numeric keypad to specify the desired OGM.

Here, you determine which outgoing message shall be used.

Call delay:

10. Enter a duration between 1 second and 50 seconds via the numeric keypad.

Here, you define the time after which the answering machine shall answer an incoming call.

Call screening:

10. Press the or button.

The display switches between on and off:

on: *Ringling signal and loudspeaker remain activated during the answering mode.*

off: *Ringling signal and loudspeaker remain deactivated during the answering mode.*

Length of the incoming message (ICM):

10. Enter the allowed length of recording, i. e. between 1 minute and 9 minutes via the numeric keypad.

Here, you define the maximum length of recording available for the caller to leave a message.

Answering mode:

10. Press the or button.

The display switches between on and off:






on: *The pre-set parameters for the answering mode are activated.*

off: *The pre-set parameters for the answering mode are deactivated (see chapter "Message transfer").*

Answering machine (only tiptel 291/293)

Outgoing messages

Your tiptel 291/293 offers you the option to record 6 individual outgoing messages. When using the additional outgoing message from the factory pre-set you can activate the answer mode immediately - without the necessity to record an OGM before (plug & answer).

1. Press the  or  button to select "settings".
2. Press the  button.
3. Press the  button.
4. Press the  button.
5. Pick-up the handset if you intend to listen to the outgoing messages or record an outgoing message via the handset.

Every time you press the button, the display switches between the available functions.

The display shows "answering machine".

The display shows "OGM".

The display shows "OGM1".

Select other outgoing message:

6. Press the  or  button to select an outgoing message.

The display switches between the individual OGMs.

Play-back OGM:

6. Press the  button.

The selected OGM is being played back.

Record OGM:

6. Press the  button and keep it pressed.
7. Release the  button.

The display shows "record OGM". Now, start to speak your OGM.



The display shows "record final announcement".

Without incoming message recording:

8. Press the  button.



"without recording" is displayed in addition to "OGM". If you select this outgoing message now within the menu "answering machine set-up", the caller will not be able to leave a message.

With incoming message recording:

8. Press the  button and keep it pressed.
Release the  button.

Now, speak your final announcement.

Erase OGM:

6. Press the  button.
7. Press the  button.

The display shows "erase OGM?".

The selected OGM is erased.

Remark:



You either have the option to record your outgoing messages via the handset or via the hands-free microphone. In case of recordings via the handset, the room noise level will be lower.

Answering machine (only tiptel 291/293)

Incoming messages

You can play-back and erase individual messages from the voice memory.

Sa 27.10.07	08:30
ICM 1	

1. Press the  or  button to select "ICM".

Every time you press the button, the display switches between the available functions.

2. Press the  button.

The display shows time and date of the first new incoming message.

Play-back incoming message:

3. Press the  button.

The play-back mode is started and the device plays back one message after the other.

Repeat:

3. Press the  button.

The last seconds are being repeated.

Select other ICM:

3. Press the  or  button to select an individual incoming message.

The recording date and time of the individual incoming message is displayed.

Erase Incoming message:

3. Press the  button.

The display shows "erase ICM?".

4. Press the  button.

The selected incoming message is erased. You also have the option to erase all existing incoming messages at once. Here, please refer to chapter "Information/Memory".





Remark:

The recording quality is very high. When more than 2/3 of the memory capacity is exhausted, a compression of all existing incoming messages is done automatically. Depending on how you use the answering machine, a high recording quality or a high recording capacity is achieved.

Answering machine (only tiptel 291/293)

Dictate/Call record

You can use your answering machine to dictate personal information directly. If you speak your information while the answering mode is on, other persons can retrieve this information via a remote interrogation function. In this way, your answering machine can serve as an electronic mailbox.

1. **Press the  or  button to select "dictate/call record".** Every time you press the button, the display switches between the available functions.
2. **Press the  button.** The display shows "recording". Now, start to speak your information.
3. **Press the  button.** The recording is stopped. The LED blinks.

Message transfer

In the answering mode with message transfer on, your tiptel 291/293 dials a pre-programmed destination number after an incoming message has been recorded. If the destination number is busy, the device will redial the number up to four times every 60 seconds. If the called party does not answer the call within 50 seconds, the dialling procedure is interrupted. If you have dialled "#" after the target number, this time is reduced to 1 second. When the handset of the programmed target number is picked up, the following pre-programmed announcement is heard:

"Automatic call, subscriber (own telephone number), X messages, please perform a remote interrogation. I repeat ...".

If a remote interrogation is not performed within 20 minutes, the answering machine will call the destination number again as a reminder (two times).



Message collection

If you want to collect several messages before executing the message transfer function, you simply have to determine the number of incoming messages after which the message transfer shall start (see chapter "Message transfer settings").

Answering machine (only tiptel 291/293)



Message transfer settings

In the case of a message transfer, recorded incoming messages are transferred to a programmed telephone number. Here, you can make out all settings the device needs to perform a message transfer. **Please be aware that you also need to activate the remote interrogation in order to use this function.**

1. Press the  or  button to select "settings".

2. Press the  button.

3. Press the  button.

4. Press the  or  button to select "message transfer".

5. Press the  button.

6. Press the  or  button to select the MSN.

7. Press the  button.

8. Press the  or  button to select a function.

9. Press the  button.

Every time you press the button, the display switches between the available functions.

The display shows "answering machine".

The display shows "Outgoing message".

The display shows "message transfer".

The display shows "MSN 1".

Select the MSN for which you want to set-up a message transfer.

The display shows "message transfer off".

The display switches between the functions message transfer, message collection and telephone number.

The cursor is displayed for the selected function.

For message transfer:

8. Press the  or  button.

The display switches between on and off:

on: message transfer on

off: message transfer off.

ICM before transfer:

8. Use the numeric keypad to enter a number between 1 and 9.

Here, you define the number of messages to be collected before a message transfer is executed

Destination number:

8. Enter the telephone number via the numeric keypad.

Here, you enter the destination number for message transfer.

Remote control (only tiptel 291/293)

Perform remote interrogation

1. Call your answering machine and wait until the announcement starts.
2. Switch your telephone to the tone dialling mode (if necessary) or use a regular remote beeper and hold the acoustic aperture against the microphone of the handset.
3. Dial your remote control code that you set earlier at your tiptel 291/293 (1 - 4 numeric digits). Each of the entered code digits is acknowledged separately by a voice message. After having entered the code number press **Ⓢ**.
4. If the remote control code is correct, you will hear the voice message "remote interrogation". Perform the desired remote interrogation function. Each of your entries will be confirmed by a voice message.
5. If the remote control code is incorrect, the device will switch off (this avoids misuse). If you pressed a wrong number, press the ***Ⓢ** button and enter the remote control code again.
6. Terminate the remote interrogation function by replacing the handset or by pressing the buttons ***Ⓢ** and **Ⓢ**.

Remote control code

This is the code used for identification as soon as the device starts the announcement during the remote interrogation function. Your remote control code can be any number between 1 and 9999. You have to dial these numbers as soon as the answering machine starts the announcement. The personal remote control code can be set under the menu "remote control settings" and the corresponding sub-menu "RC code". If you do not want to perform remote interrogations, you can erase the remote control code by pressing the **Ⓢ** button.

Message code

Using the message code allows you to leave a message even if the device is in the mode "outgoing message without incoming recording". Your message code may be any number between 0 and 9999. The code has to be entered as soon as the answering machine plays back the outgoing message (without incoming recording). If your message code was identified, you can start to speak your message. The personal message code can be set under the menu "remote control settings" and the corresponding sub-menu "message code". If you do not want to have a message code, you can erase the entry by pressing the **Ⓢ** button.

VIP code

By the VIP code, you are informed that a privileged caller wants to speak to you personally. Let the corresponding persons have your VIP code which can be any number between 1 and 9999. This number is then dialled by privileged callers when they call you and hear the outgoing message. If the entered VIP code is correct your answering machine informs this by a beep which is heard for about 1 minute. During this time you can answer the call personally. The personal VIP code can be set under the menu "remote control settings" and the corresponding sub-menu "VIP code". If you do not want any VIP code, just erase the entry by pressing the **Ⓢ** button.

Remote control (only tiptel 291/293)

Remote activation of the answering mode

If you forgot to switch on the answering mode, you can do this remotely. Just call your tiptel 291/293. After about 50 seconds the device picks up and you will hear a signal tone. Now, please enter your personal remote control code. If the remote control code was identified, the selected outgoing message is played back for control purposes. The device can now be operated remotely. The answering machine will activate the answer mode and will answer incoming calls as soon as you replace the handset or stop the remote control function (* button and # button).

The remote activation of the answer mode is only possible if you programmed "remote answering mode = on".

Remote erase during the remote interrogation process

During the remote interrogation, you have the option to erase the currently played back incoming message remotely. The gained free recording capacity will be available for new incoming messages immediately. Should you wish to protect your recorded incoming message against an unwanted erase, you can define this via the settings of the remote control. For this purpose, you just have to set "remote erase = off".

Remote pre-interrogation free of charge (toll saver)

The remote pre-interrogation function informs you whether new messages have been recorded. This function does not entail any charges. If new messages have been recorded, the answering machine picks up after the programmed delay time. In the case that no new incoming messages have been recorded, the pick-up delay time is increased by 10 seconds. In this way, you have the option to replace the handset before the answering machine picks-up.

The remote pre-interrogation free of charge is only possible after having set the corresponding remote control settings to "remote pre-interrogation free of charge".

Remote control (only tiptel 291/293)

Remote control functions

Button	Function	Remark/operation
①	Room monitoring	Room monitoring: The microphone of your telephone is turned on and you can listen to what is happening in the surroundings of the device.
②	Remote interrogation of new messages	The answering machine plays back all new messages that have been recorded since your last remote interrogation. When all messages have been played back, you will hear the voice message "end of messages".
③	Remote interrogation of all messages	The answering machine plays back all messages that have been recorded since the answering mode was activated.
④ + MSN	Next MSN	Allows a remote interrogation for further MSNs. Dial the number of the corresponding MSN (1 ... 6). The device acknowledges the number. All further remote interrogations will now refer to this MSN.
⑤	Play-back	The play-back is started at the current position.
⑦ OGM	Other OGM	Allows you to select another outgoing message. Dial the desired OGM number (1 - 7). The device acknowledges the OGM number and plays it back for verification purposes.
⑧	Stop	The current function stops.
⑨ + OGM	Change OGM	Allows you to record a new OGM during the remote operation. Dial the OGM number (1 - 6). The device acknowledges the OGM number. Start recording the new OGM via the mouthpiece of the handset. Should this be an OGM without incoming recording, press "8" (stop). Should this be an OGM with incoming recording, press "#". You can also record a final message if desired. After having spoken the final message just press "#" again. The device plays the complete OGM back for verification purposes. You can now replace the handset. The answering machine will now play back the new OGM when answering calls.
* +1	Secondary function on/off	Pressing this button allows you to access a secondary function.
* +1	Hands-free mode	The hands-free mode is activated.
* +2	Room signal	This creates a room signal (beep) via the loudspeaker. This function corresponds to the VIP function. The room signal is heard 60 seconds and is stopped automatically afterwards.

Remote control (only tiptel 291/293)

Remote control functions (continued)

Button	Function	Remark/operation
* ③	Remaining recording capacity	The remaining recording capacity is informed by a voice message.
* ④	Message transfer on/off	You can switch the message transfer on or off.
* ⑤ + tel. no.	Change telephone number	Allows to change the target telephone number for the message transfer function. Dial the new destination number. The device confirms each number separately. After having dialled the new target telephone number press #. The new telephone number is repeated by a corresponding voice message.
* ⑥	Date/time	The current time and date are informed by a voice message.
* ⑦	Erase all incoming messages	The answering machine erases all incoming messages since the answering mode was activated. This function can be protected against unintentional execution.
* ⑧	Activation of the call forwarding function	You can switch the call forwarding function for the activated MSN on or off (see also button functions 4: next MSN). The call forwarding function is always active. In order to deactivate it, you have to call another MSN and switch to the target MSN during the remote operation.
* ⑨ + tel. no.	Change telephone number	Allows you to change the telephone number for the call forwarding function remotely. Dial the new target telephone number. The device confirms each number separately. After having dialled the complete number press ??? #. The new telephone number is repeated by voice message.
* ⑩	Deactivate answering mode	The device disconnects the line and stops the answering mode. Further incoming calls will not be answered.
* #	Stop remote interrogation	The device disconnects the line but remains in the answering mode.











Functions during play-back

①	Slow play-back speed
②	Normal play-back speed
③	Fast play-back speed
④	Jump to the beginning of the currently played back message or to the beginning of the earlier message.
⑥	Jump to the beginning of the following message
⑤	Repetition of the last few seconds
⑧	Stop

Remote control (only tiptel 291/293)

Remote control settings

Here, you have the option to set-up the remote interrogation function according to your individual needs.

1. Press the  or  button to select "settings".
Every time you press the button, the display switches between the available functions.
2. Press the  button.
The display shows "answering machine".
3. Press the  button.
The display shows "Outgoing message".
4. Press the  or  button to select "remote interrogation".
The display shows "remote interrogation".
5. Press the  button.
The display shows "remote answer mode".
6. Press the  or  button to select a function.
The display switches between RC code, VIP code, message code, remote answer, remote erase, toll saver.
7. Press the  button.
The cursor is displayed for the selected function.

Remote control code:

8. Enter the desired remote control code.
Your selection is shown in the display. The code may have 4 digits as a maximum. The cursor is displayed for the selected function.



VIP code:

8. Enter the desired VIP code.
Your selection is shown in the display. The code may have 4 digits as a maximum. The cursor is displayed for the selected function.

Message code:

8. Enter the desired message code.
Your selection is shown in the display. The code may have 4 digits as a maximum.



Remote answer mode:

8. Use the  or  button to turn the remote answer mode on or off.
Your selection is shown in the display.
on: The answer mode can also be activated during a remote interrogation, should the answering machine not be in the answer mode.
off: The answer mode can only be activated at the device directly.

Remote control (only tiptel 291/293)

Remote control settings (continued)

Remote erase:



8. When pressing the  or  button, the display switches between on and off.

Your selection is shown in the display.

on: Recorded incoming messages can be erased during a remote interrogation.

off: Recorded incoming messages cannot be erased during a remote interrogation.

Remote pre-interrogation free of charge:

8. When pressing the  or  button, the display switches between on and off.

Your selection is shown in the display.

on: If new messages have been recorded, the device picks up after the delay programmed within the menu "answering machine set-up". If no new messages have been recorded, there will be an additional delay of 10 seconds before the answering machine picks up. In this way, you can replace the handset and save telephone charges.

off: The device always considers the delay programmed under "call delay"

9. Press the  button.

The setting is stored.

PC connection / TipKom (only tiptel 292/293)

PC connection / TipKom

The software "TipKom for Windows" from the scope of supply enhances the functional scope of your tiptel 293/293, e. g. by the options:

- Loading and saving the call number memory
- Loading and saving the voice memory (only tiptel 293)
- Call data management
- Change of settings and others
- Dialling
- Loading a new operating software. You will always find the latest operating software version and the latest PC software and TAPI driver in the Internet under www.tiptel.de.

Installation

- Connect your tiptel 292/293 to any serial interface of your PC. Should you only have a free25-pin port free at your PC, you can use a customary adapter (9 pin <-> 25 pin).
- Insert the TipKom disk and start the "SETUP" program. Then, just follow the given instructions.

Further information

On the disk, you will find a comprehensive software documentation giving you information on the handling and the functionality. Just start the help function in the Tipkom software.

System requirements:

- 486/DX 66 or higher
- VGA monitor
- Sound card (optional)
- 4 MB RAM
- Mouse
- Windows® 98 or higher

Windows is a registered trademark of the Microsoft Corporation.

Dialling via AT commands

Configuration of the PC interface: 9600, 8, N 1 without data flow control

Command:

- | | |
|---|-----------------------|
| <input type="radio"/> ATD telephone number <CR> | Establish connection |
| <input type="radio"/> ATH <CR> | Disconnect connection |
| <input type="radio"/> ATA <CR> | Answer incoming call |

PC connection / TipKom (only tipstel 292/293)

TAPI driver

The scope of supply comprises an installation software for the TAPI driver "tipstel phone1". This software allows you to control your telephone via TAPI applications (e. g. Outlook, WinPhone, orgAnize, ACT, AdressPlus, ProCall).

Installation:

An already existing TSP driver will not be uninstalled or replaced by the setup. If necessary, it has to be uninstalled manually. At this respect, please observe the relevant information provided by the Windows help on the telephone settings in the system control.

Please note:

Principally, difficulties have to be expected when several TSP / modem drivers have access to the same COM port. This is typical for Windows and due to the control of the individual drivers. It is required to have TAPI 2.1. or higher versions installed on the PC. Pay attention especially with Windows 98 and NT these driver may have to be installed beforehand. The TAPI-driver is available from Microsoft.

Call charges:

- During each outgoing call, the telephones send charge information to this TSP driver.
- The TSP driver automatically identifies whether the call charges are signalled by the telephone as currency amount or as charge units. However, it is important that the correct charge rate has been set in the TSP driver. The conversion of units into currency is realised internally with four digits after the decimal point.
- With regard to the data output (that means in the direction of the CTI application), the TSP driver can be set as follows: "units as character sequence", "currency amount as character sequence" and "currency amount in AOCDCurrency format". If necessary, contact the retailer/manufacturer of your CTI application for information on the required setting.

The TAPI driver supports the following functions:

- | | |
|---|---|
| <input type="radio"/> accepting a call | <input type="radio"/> rejecting a call |
| <input type="radio"/> terminating a call | <input type="radio"/> setting up a call |
| <input type="radio"/> call waiting | <input type="radio"/> accepting a waiting call |
| <input type="radio"/> rejecting a waiting call | <input type="radio"/> hold |
| <input type="radio"/> two-line operation with hold
(switching between 2 lines) | <input type="radio"/> charge indication (see above) |

Further functions are currently not supported.

Please note:

The number of features and the realisation of the individual functions depend upon the used CTI application. Several applications do not support, e. g. the features call waiting and two-line operation with hold. In case of doubt, please contact the retailer/manufacturer of your CTI application.

Appendix

Service

You have purchased a modern product by Tiptel which was designed and manufactured in Ratingen near Düsseldorf. The high-tech manufacturing facilities "Made in Germany" grant a continuous level of the highest quality. This is even underlined by the certification according to DIN EN ISO 9001.

Guarantee

Please contact your local dealer or importer for details of guarantee for non EC countries.

Within the European Community the following guarantee regulation applies: Your contact for services arising from guarantee obligations is the authorised dealer where you bought the device.

Tiptel.com GmbH will grant a guarantee of 2 years from the date of handover for the material and for the manufacturing of the telecommunications terminal unit.

Initially, the purchaser shall have only the right of subsequent performance. Subsequent performance entails either repair or the supply of an alternative product. Exchanged devices or parts shall become the property of the authorised dealer.

If the subsequent performance fails, the purchaser can either demand a reduction in the purchase price or withdraw from the contract.

The purchaser shall notify the dealer immediately of any defects found. Proof of the guarantee entitlement shall be furnished by standard proof of purchase (receipt or invoice).

The guarantee entitlement shall expire if the purchaser or an unauthorised third party interferes with the device. Damage caused by inappropriate handling, operation, storage or by force majeure or other external influences shall not be covered by the guarantee.

The guarantee shall not cover any consumable material (e.g. batteries) or defects that only slightly impair the value or the usability of the device.

Claims for damage caused by transport shall be asserted to the delivery company.

Notes on settlement:

Repairs can only be conducted by the Tiptel Service. A warranty repair does not prolong the warranty period – neither for the replaced parts nor for the device. This guarantee is not transferable and shall expire if the device is sold on to another party. It shall also expire if the device is interfered with by third parties or if the serial number on the device has been removed or made illegible. There is a guarantee seal on the tiptel telephone. Please do not damage or remove this seal because otherwise, your guarantee will expire.

The General Terms and Conditions of Tiptel.com GmbH, which are part of the contract for a dealer, shall also apply. In the event of a complaint, the defective product shall be sent to the relevant Tiptel subsidiary, the importer or dealer along with a description of the defect and the proof of purchase.

Appendix

CE sign

This device is approved for the connection and use within the analogue public telephone networks in all EC countries – according to the European Requirements. Due to technical deviations in individual countries, we cannot grant an unlimited guarantee for the successful operation at all types of telephone accesses.

Tiptel hereby declares that the device complies with all fundamental requirements of the European directive 1999/5/EC. This conformity is confirmed by the CE sign on the device.

Further details on the declaration of conformity can be found under the following internet address:

<http://www.tiptel.com>



This equipment is marked with the recycling symbol. It means that at the end of life of the equipment you must dispose of it separately at an appropriate collection point and not place it in the normal domestic unsorted waste stream. This will benefit the environment for all (European Union only).

Important information

Operation during power failure

Even in the case of a power failure, the basic telephone functions remain executable (manual dialling and ringing signal for incoming calls, see chapter "Emergency operation").

Cleaning

Use a soft, slightly moist cloth for the housing surface. Please do not use abrasive liquids or chemicals to clean the device. The telephone is maintenance-free.

Installation

Please take care that the cables do not lead to any danger of stumbling and avoid folding, pushing and pressing of the cables.

Some furniture lacquers or furniture cleaning products may attack the rubber at the feet of your tiptel telephone and thus cause patches. In such cases please use a non-slip pad under the device.

The telephone may not be installed and used in an inappropriate environment. Avoid:

- humid rooms, dusty rooms and rooms with danger of explosions
- temperatures of more than 40°C and less than 0°C
- strong vibrations
- exposure to direct sunlight

Possible malfunctions

Use the information provided in chapter "Troubleshooting" or plug another telephone at the corresponding telephone wall socket in order to detect whether the malfunction was caused by your tiptel telephone or not. Never open or connect a defective device. Bring the device to your local dealer or service centre. Please keep the original packaging carton and material in case that it will become necessary to return the device. This material will grant optimal protection while transported. You should make a back-up of all your entries (e. g. by using the software TipKom on a PC) in order to avoid a loss of data (only tiptel 292/293).

Ecological information

During the normal use of the telephone, you will not have any contact to substances damaging to your health. The synthetic material and plastics used for manufacturing this device exclusively consist of partially recycled granules. Our packaging materials do not consist of plastics but of partially recycled cardboard and paper.

Factory pre-set

Telephone settings

Direct call:None
Ringing tone
Melody:Triadic (66)
Incremental volume control:Off
VolumeMedium
Restrictions:None

System settings

MSN:None (the first MSN is set by the first incoming call)
Call number display:On
Call waiting signal:On
ECT (explicit call transfer):Off
Telephone number for CD (call deflection):None
Exchange identification code:None
PIN:000
Charge rate:0.121
Call forwarding function:none

Answering machine (only tiptel 291/293)

Outgoing messages:7 (pre-recorded OGM)
Call delay:6 seconds
Ringing signal / call screening:On
Length of recording:2 minutes
Answering mode (pre-set):On

Remote control (only tiptel 291/293)

Remote answering mode:Off
Remote erase:Off
Remote pre-interrogation:Off
Remote control code:Not set
VIP code:Not set
Message code:Not set

Message transfer (only tiptel 291/293)

Telephone number:none
Message collection:1
Message transfer:Off

Troubleshooting

Problem

No dialling tone after picking up the handset.

PIN code forgotten.

"Memory capacity exhausted" is displayed.

Telephone does not ring or rings only sometimes.

No display at all.

The display shows "Loader V1.4" (only tiptel 292/293)

Possible error source

Connecting cable, handset's cable, ISDN wall socket

The maximum number of entries in the electronic telephone book is reached.

Call filter active; do not disturb function on, not all MSNs registered. Call forwarding active.

Possibly, your telephone connection works in the emergency mode.

Operating software erased.

Recommendation

Check all cables, check telephone wall socket by using another telephone.

Contact our customer service.

Erase electronic telephone book entries that are no longer needed.

Read chapters: "Electronic telephone book", "set ringing tone", "Entering MSN" and "Call forwarding".

Check power feeding of your ISDN NTBA.

Load an operating software on your telephone using the PC software. Please bear in mind:

- In the PC software, deactivate the function "save data/restore".

- Confirm the instruction "Please set your tiptel feature phone to the operating mode LOAD NEW SOFTWARE by unplugging and replugging the SO plug".

Technical data

Power supply:	SO-fed, emergency power supply possible
Display:	
Resolution:	2 x 20 characters (alphanumeric)
Contrast:	20 levels
Connecting cables:	
Telephone connection cable:	Length = 3 m
Data cable RS 232:	Length = 3 m, 9-pin, sub socket strip
Handset cable	Length = max. 1.8, curled cable
Answering machine (only tiptel 291/293):	
Outgoing messages:	6 individual, 1 pre-recorded
Recording capacity:	About 50 minutes
Number of incoming messages:	Max. 50
Data retention during power failure:	unlimited
Telephone/memory:	
Electronic telephone book:	100 entries
Call list:	20 entries
Repeated dialling:	20 entries
Appointments:	30 entries
Time control:	10 entries
Data retention during power failure:	> 7 days
General data:	
Weight:	Approx. 900 g
Dimensions (W x H x D):	Approx. 220 x 90 x 200 mm
Standard:	EURO-ISDN
Ambient temperature:	0° C up to 40° C
Regulations:	EN 55022, EN 60950 / A3, EN 50082 part 1 TBR8, CTR3

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