Operating Instructions for your TK 92 telephone

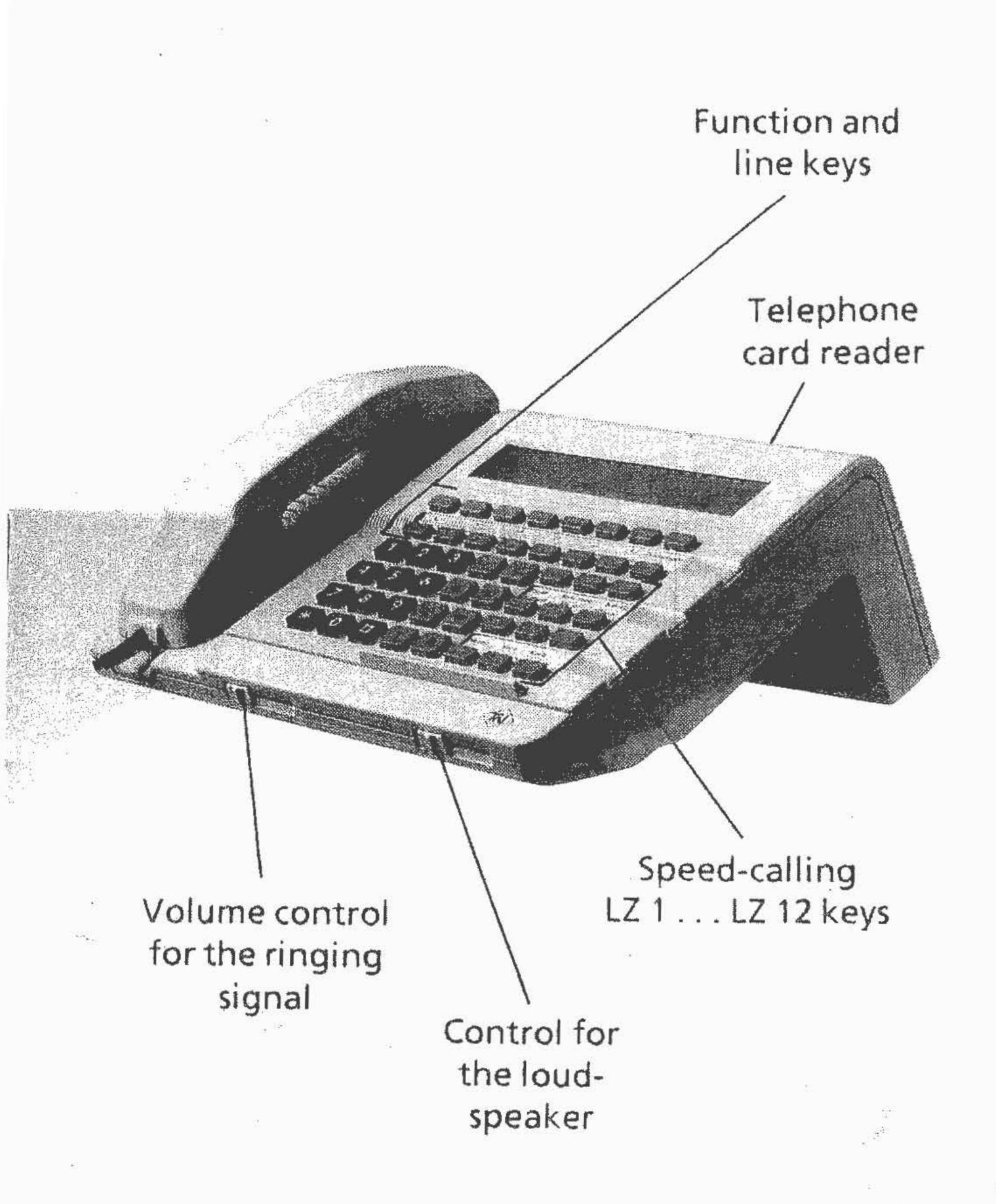
connected to Integral 2/22 B

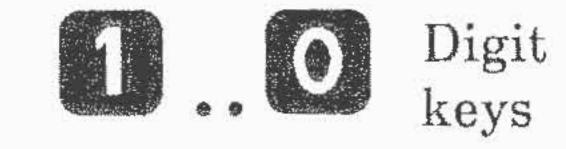




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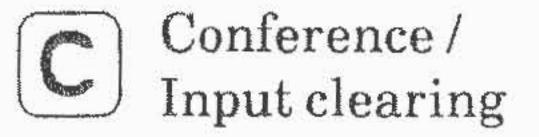








Internal traffic



- Loudspeaker, on/offswitching
- Speaking with handset on hook
- Initiating speed calling
- (O) Last number redial
- Refer-back
- Ending data input and external calls

function keys for engaging external lines L1 ... L12 and for programmed functions.

switching to the 2nd level of programmable keys. If the first level of a key has been programmed with a function it is unnecessary to press the F key.

programmable programmed with the numbers of the internal parties, but can also be used for external speed-calling destinations.

keys below the upper keyboard; double ultilization for speed-calling.

	₩.
L 1	External lines
	Flashes quickly:
L 12	call on this line.
	Flashes slowly:
	external party held.

- Internal parties
- Flashes quickly:
 incoming internal
 call
 Flashes slowly:
 internal party is
 speaking or has
 switched on the donot-disturb feature.

- F2 2nd level selected.
 - Conference
 Flashes quickly:
 request to
 participate in an
 external
 conference.
 Flashes slowly:
 initiation of a
 conference.
- Loudspeaker on.

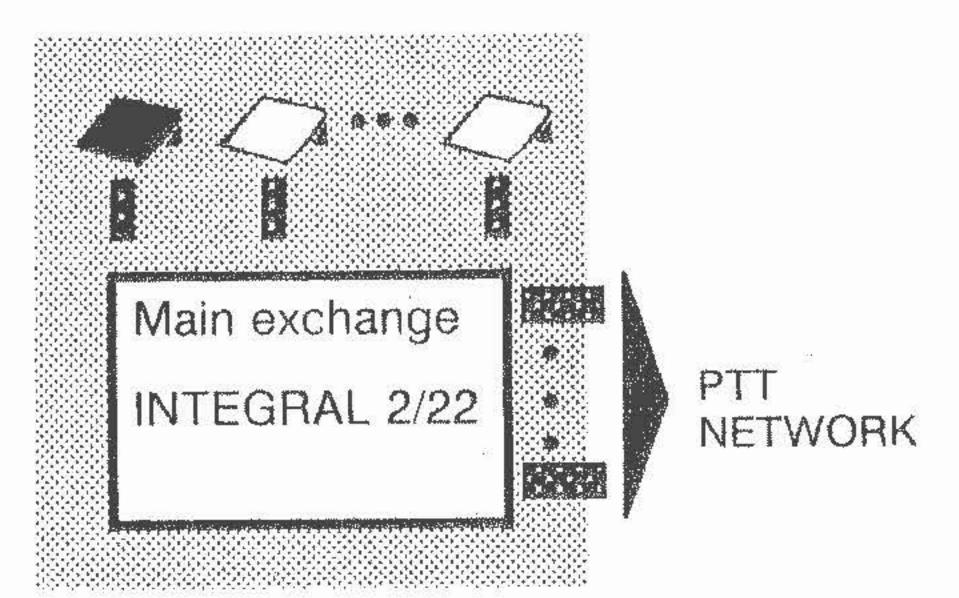
Microphone on.

			Data input
U 1	Call diversion on.		Scratchpad
			function
			Do not disturb
U 2	Call diversion:		General
	calls diverted to	UÜ	assignment
	your set.		Nilada a a sala a 4
			Night service 1
		Uð	Night service 2
/*\	Appointment		TV 00 landand
C	Flashes quickly:		TK 92 locked
	appointment time		External bell
	signal.		switched on
			Acoustic internal
			calls switched off
			1623 NE AND SATE STORM
			Appointment time

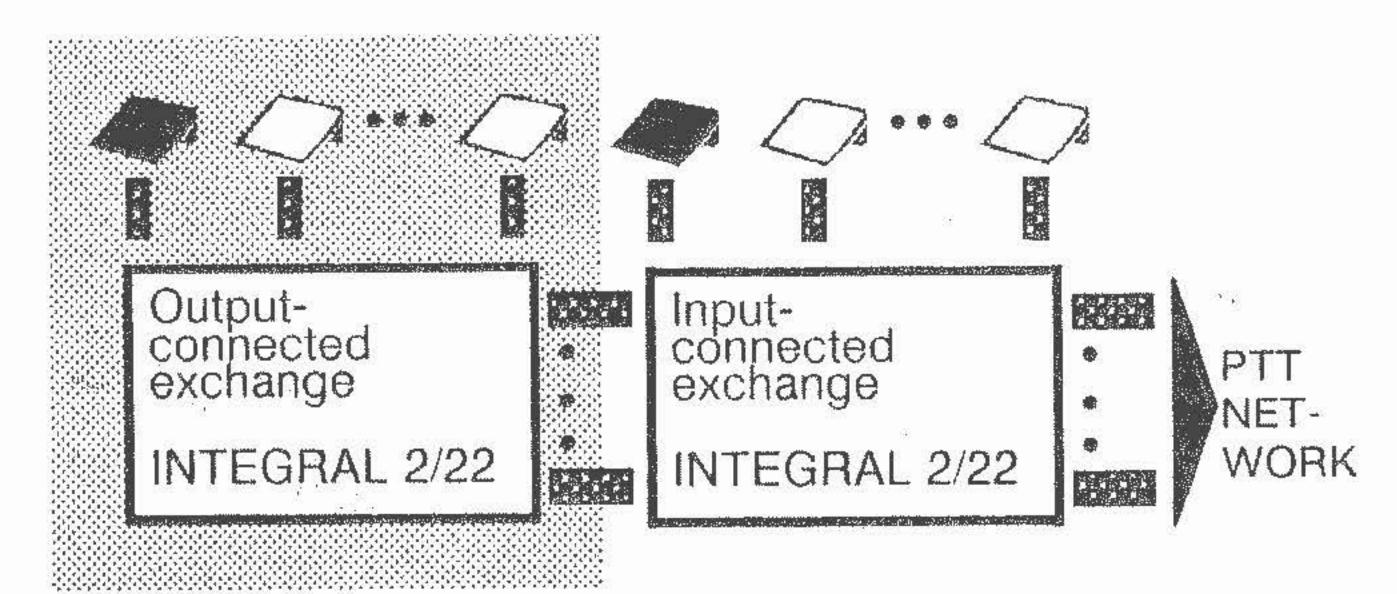
input

Applications

Your INTEGRAL 2/22 can be applied as main exchange or secondary exchange.



On engaging an external line, you are connected to the PTT network.

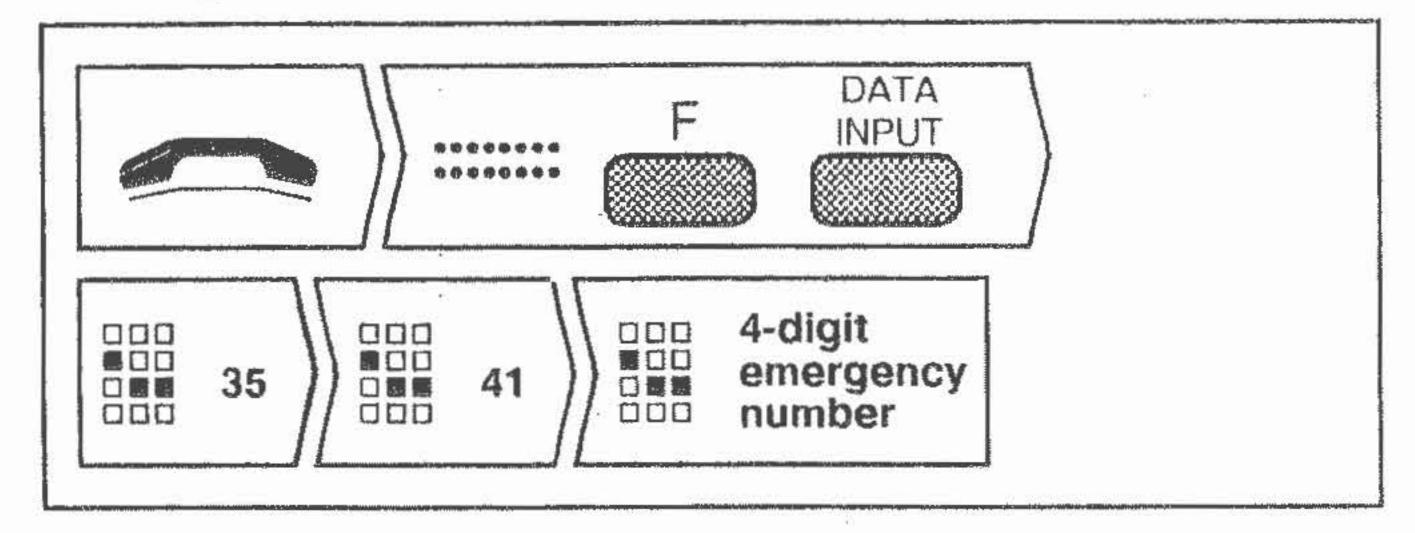


On engaging an external line, you reach the inputconnected exchange.

	σ	Page
1.	Emergency call	8
2.	The telephone card	9
3.	Making telephone calls	17
4.	Speed calling	37
5.	Date, time, appointment	47
6.	Automatic assignment	53
7.	Call charges	61
8.	External supplementary	
	units	67
9.	List of headings	73

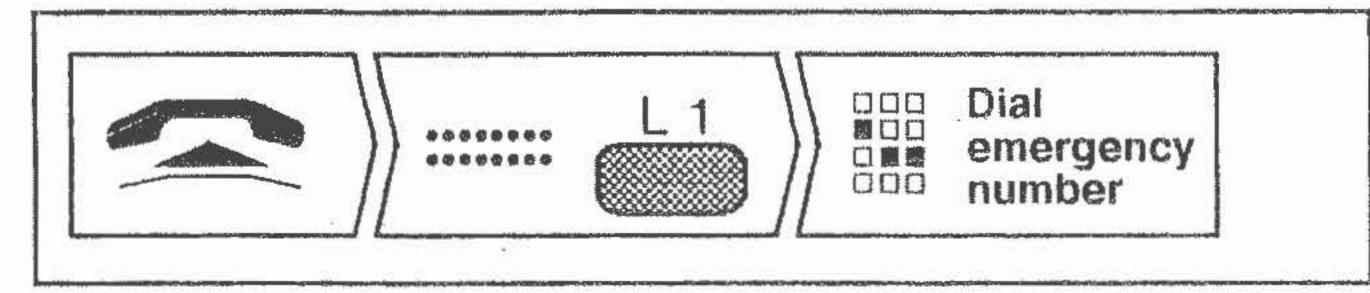
Entering an emergency number

It is possible to enter an emergency number of up to four digits.



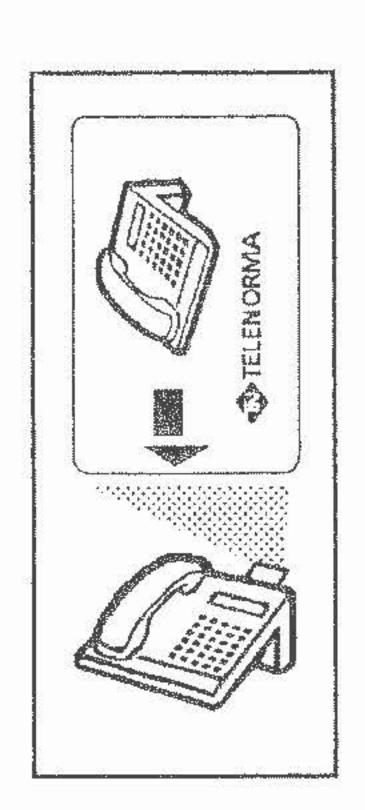
Dialing an emergency number

You can also dial the emergency number from a locked telephone.

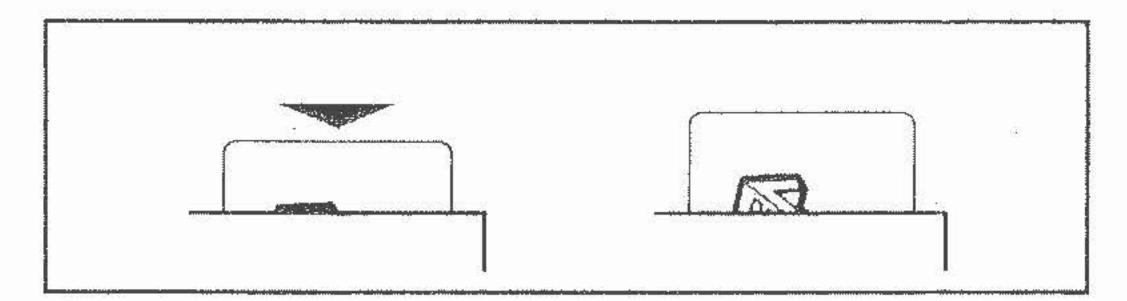


This chapter shows you how to lock and unlock your set with the telephone card, record your code and store up to 10 telephone numbers on your card for quick dialing.

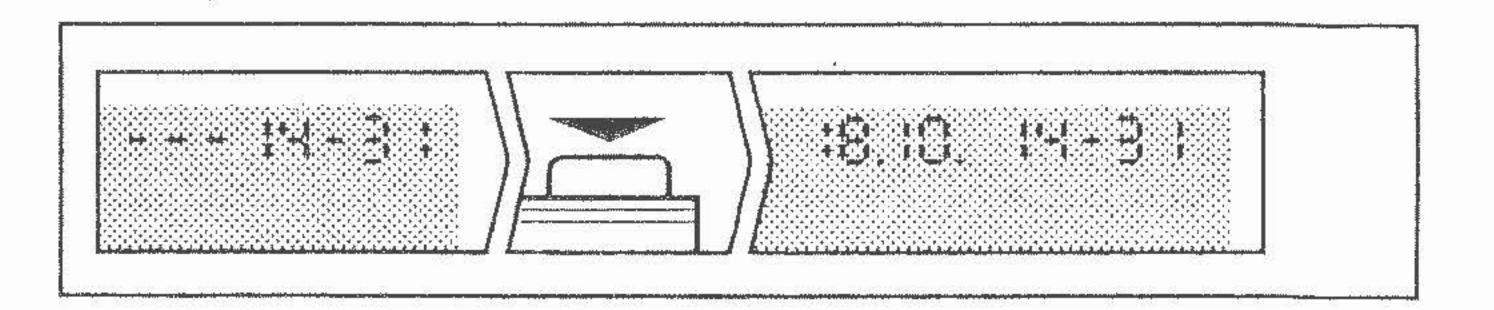
Use the card to lock and unlock your telephone set. The card bears your personal code and can be used to program up to 10 telephone numbers that you can call from your or somebody else's telephone. With this card, you can use all the features of your TK 92 also on another set.



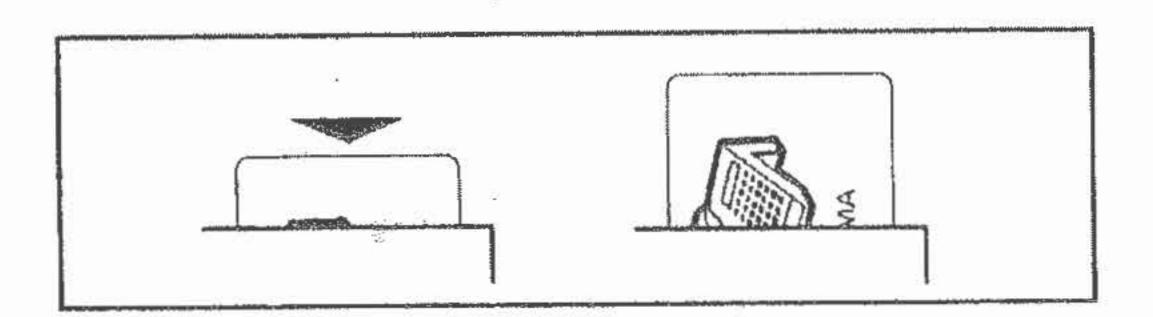
Unlocking



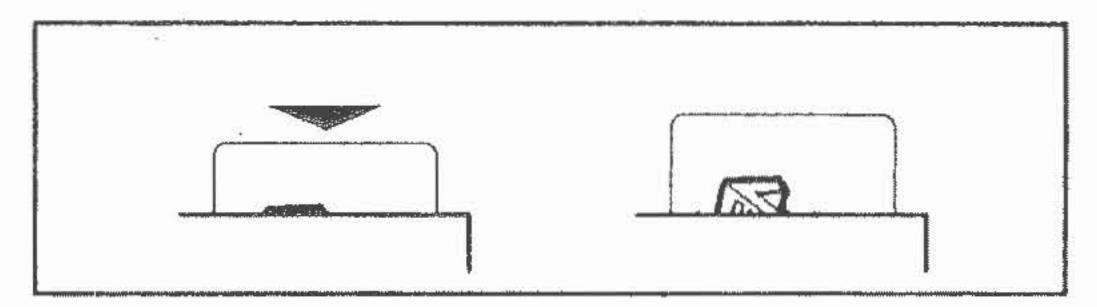
Insert the telephone card into the TK 92 down to the stop: the card snaps in and is held in place. On the display, the date appears on the left beside the time. Your telephone is unlocked: the system is at your disposal.



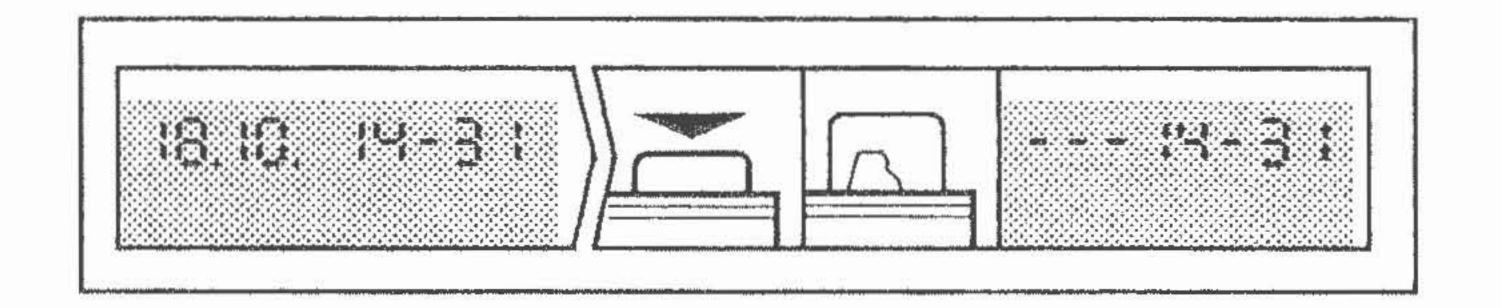
Do not try to extract the card when held in position. To retrieve it, press it down to the stop again: the card is released and snaps back. Now you can take it out: the TK 92 remains unlocked.



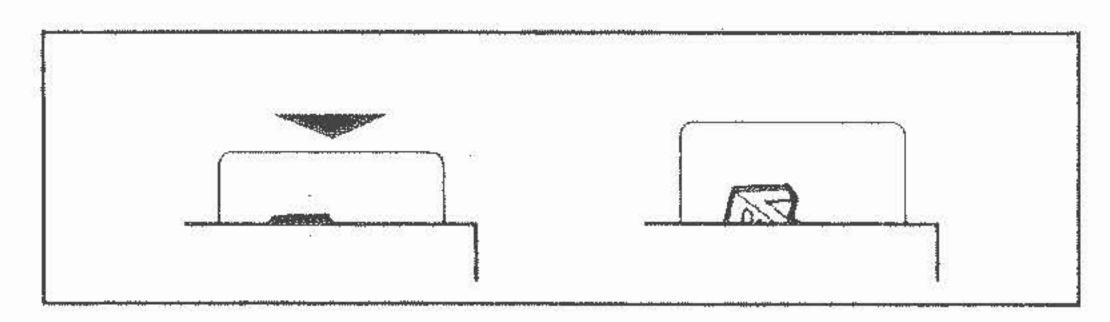
Locking



To lock the telephone, insert the card and press it down to the stop. The card snaps in and, at the same time, three dashes appear on the display in lieu of the date. The TK 92 is locked.

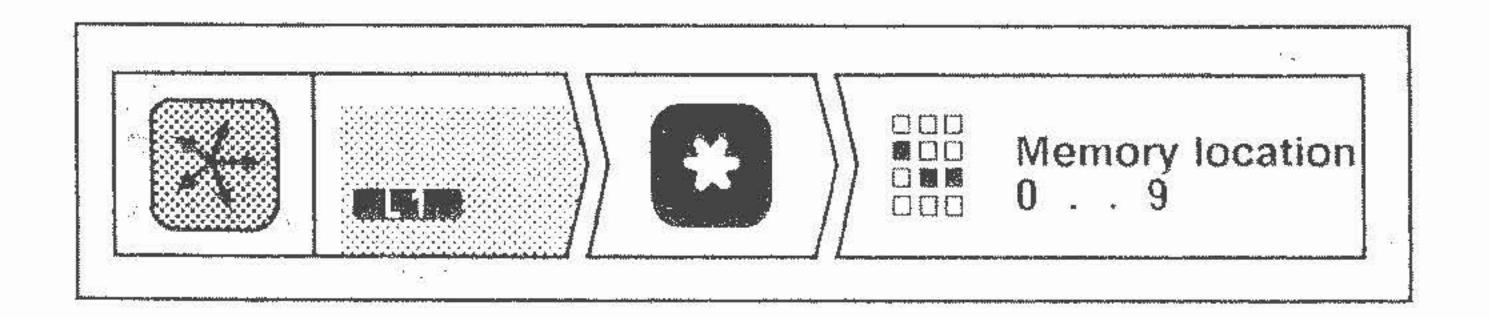


To withdraw the card, follow the procedure explained above.



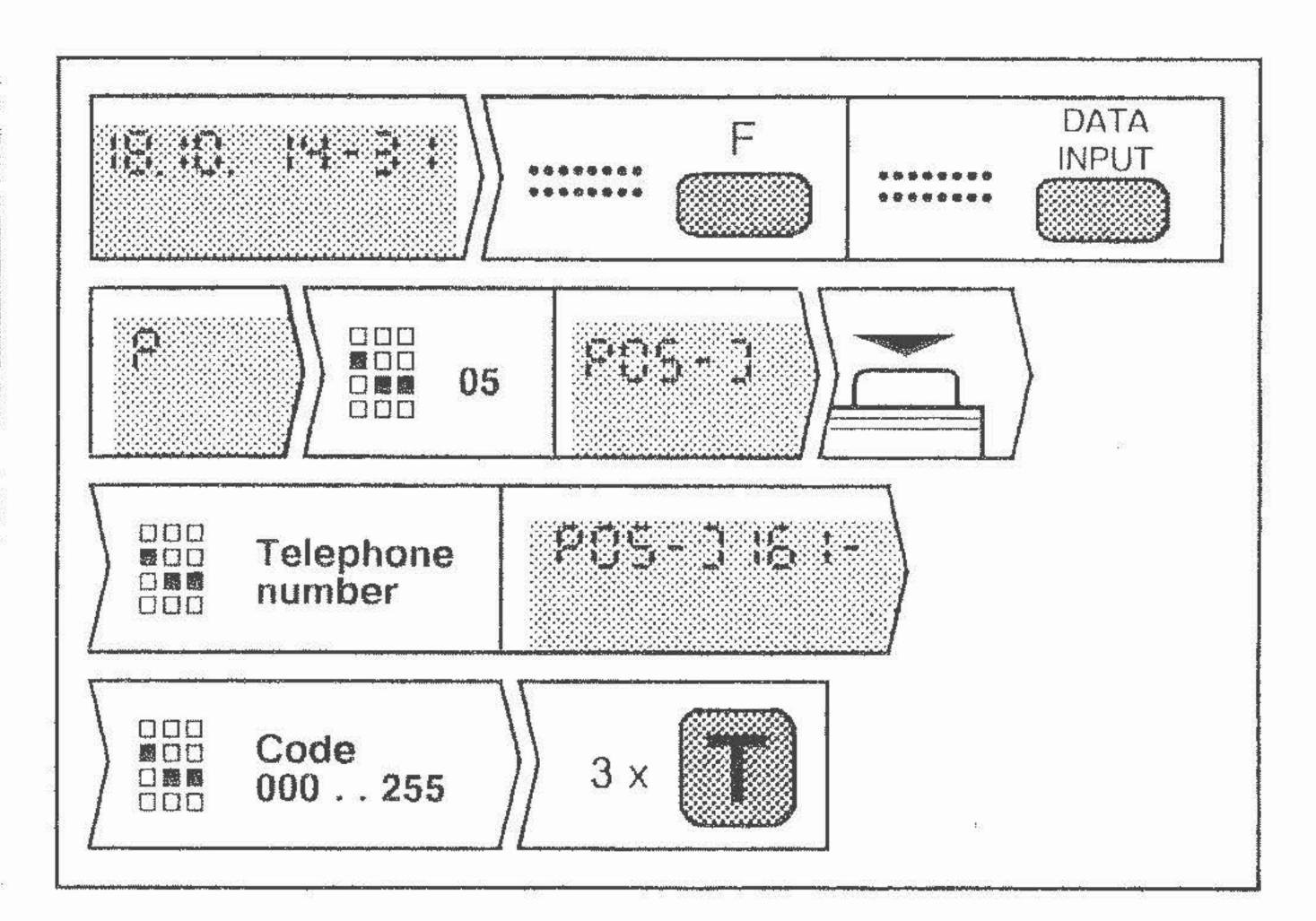
The TK 92 can also be unlocked and locked simply by lifting the handset and entering the 3-digit code stored on your card without using the card itself.

Dialing a number stored on the card



Programming the code

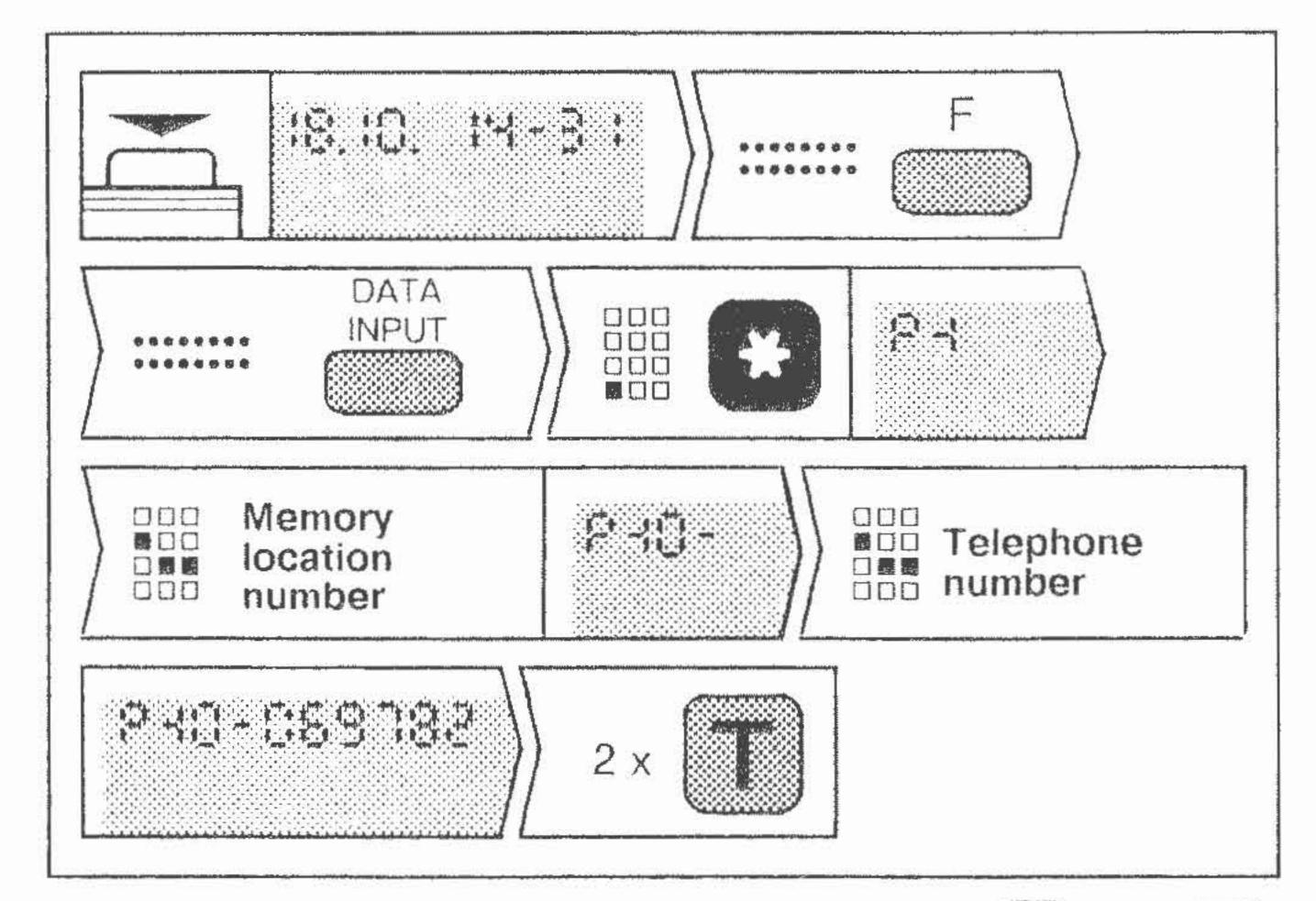
Every telephone card can be allocated a number between 000 and 255 to identify the user on his own telephone or at other extensions and grant him access to the telephone.



If the telephone card shall not be used at other extensions of the system the code programmed can be up to 999.

Entering and memorizing telephone numbers

To memorize the 10 telephone numbers on your card, first insert the card to unlock the TK 92.

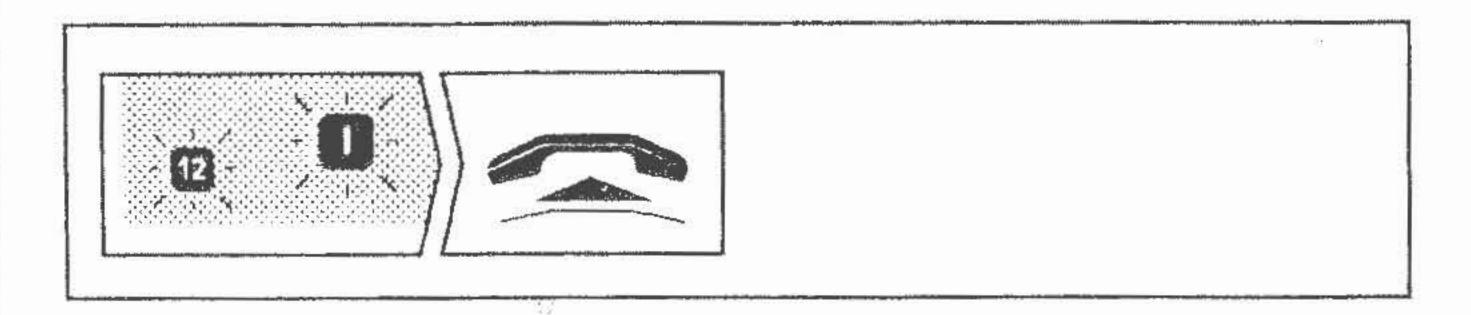


To store more than one number, press keys T and C after the first number, and repeat the operation. End the input with key T.

How to answer, make and assign calls and carry out refer-back calls. How to use the loudspeaker and convenience facilities such as last number redial, on-hook telephoning and conferencing.

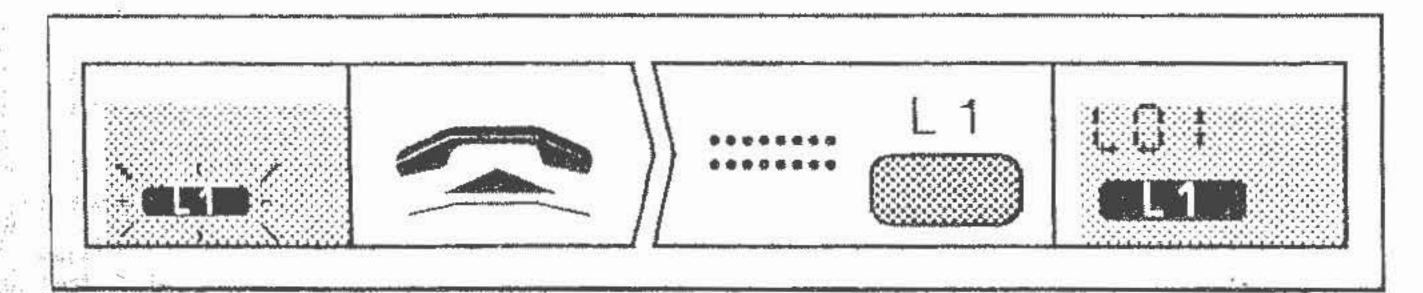
Answering internal calls

Your TK 92 rings and the number of the extension, flashes on the display. The on the display also tells you that an internal call is involved.



Answering external calls

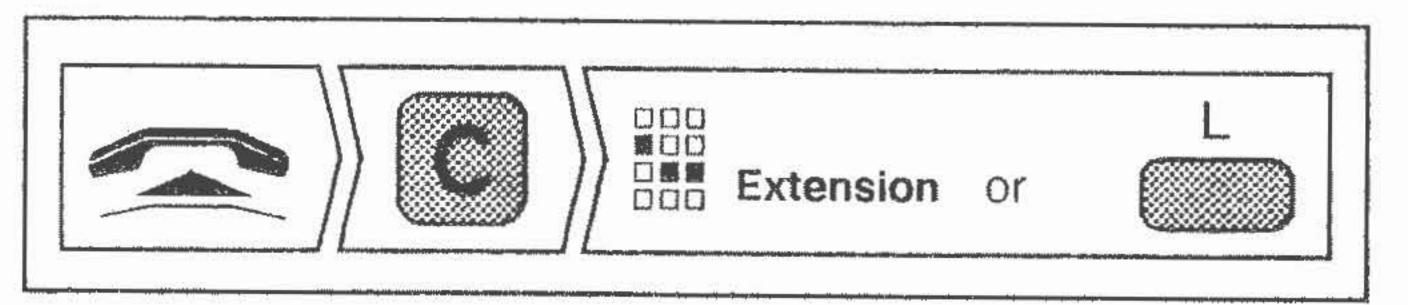
On an external call, the line indication in the flashes on the display: lift handset, press the corresponding line key and answer.



On automatic line assignment, no need to press the line key: lift the handset and answer directly.

Call pick-up

If an extension user is currently absent, you can answer his calls on your set.



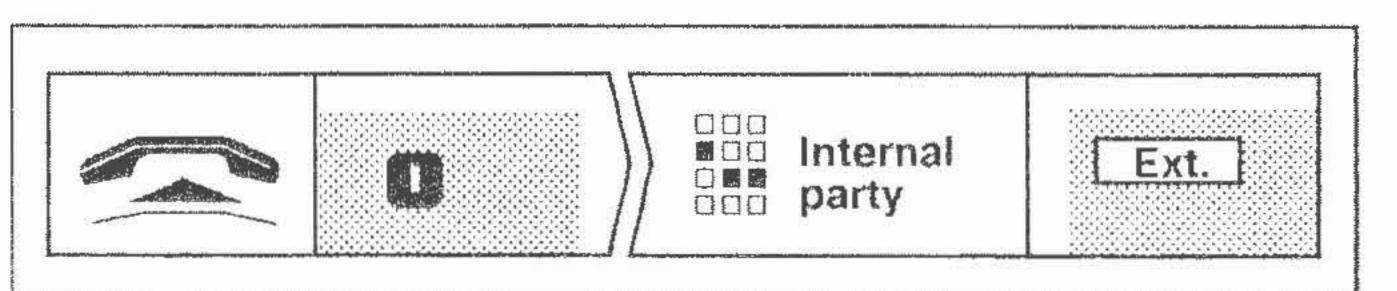
It is not necessary to press the C key if external line calls shall be picked up.

External bell

Press the EXTERNAL BELL key to switch on a second ringing unit that sounds when a telephone call comes in.

Making internal calls

Lift the handset: the on the display indicates internal traffic. Dial the number of the internal party to carry out your call.



Since the numbers of specific internal users are permanently allocated to the speed-calling keys, you can also call an internal party directly by pressing one of these keys.

Morse call

After dialing the number of an internal party, you can speed up the ringing on the party's set by repeatedly pressing a keypad key.

Leaving the telephone number

If you cannot reach the internal party, leave your telephone number for him to call you back. For this, simply press the "LEAVE TELEPHONE NUMBER" key: instead of the date, the party's display now shows your telephone number.

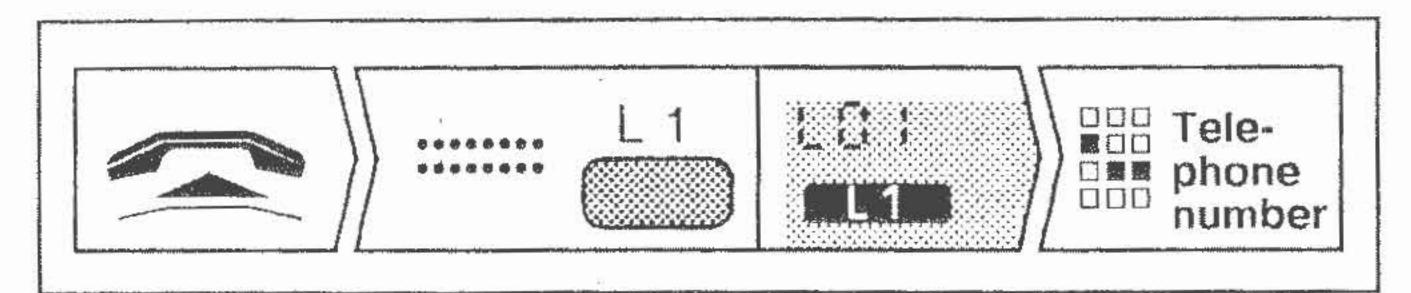
Automatic callback

Is the internal party busy? Have him call you back automatically by pressing the "CALLBACK" key and replacing the handset.

To clear this function, briefly lift the handset.

Making external calls

Lift the handset, press a free line key and dial the telephone number.



If your telephone is connected to a sub-exchange, you first get only a dial-up line. To make an external call, press 0 for an exchange line.

Automatic last number redial

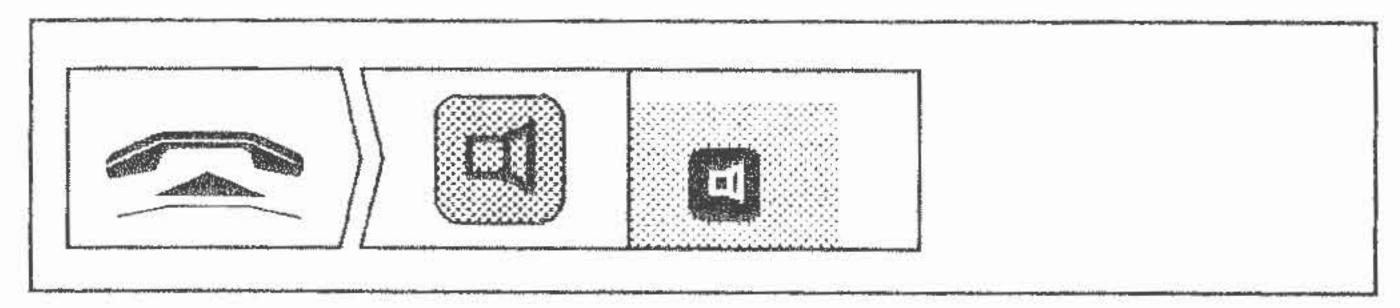
The telephone number dialed last is automatically memorized and can be sent again by pressing key

Pointed last number redial

Enter the telephone number, then press the key: this number is now memorized and can easily be redialed simply by pressing .

Monitoring via loudspeaker

The loudspeaker can be switched on before or during a call by pressing the loudspeaker key .



To disconnect it, press the key a second time. Notice that only by pressing this key can the loudspeaker be switched off during a call!

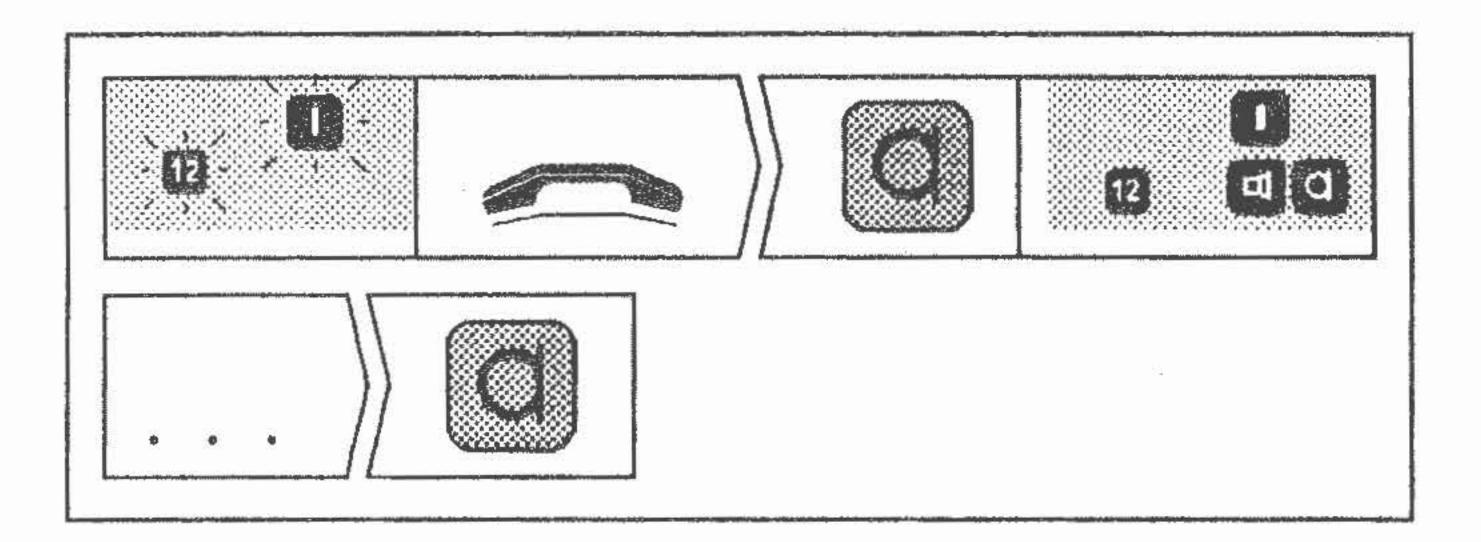
Press T to end the call.

Switching on / off acoustic internal calls

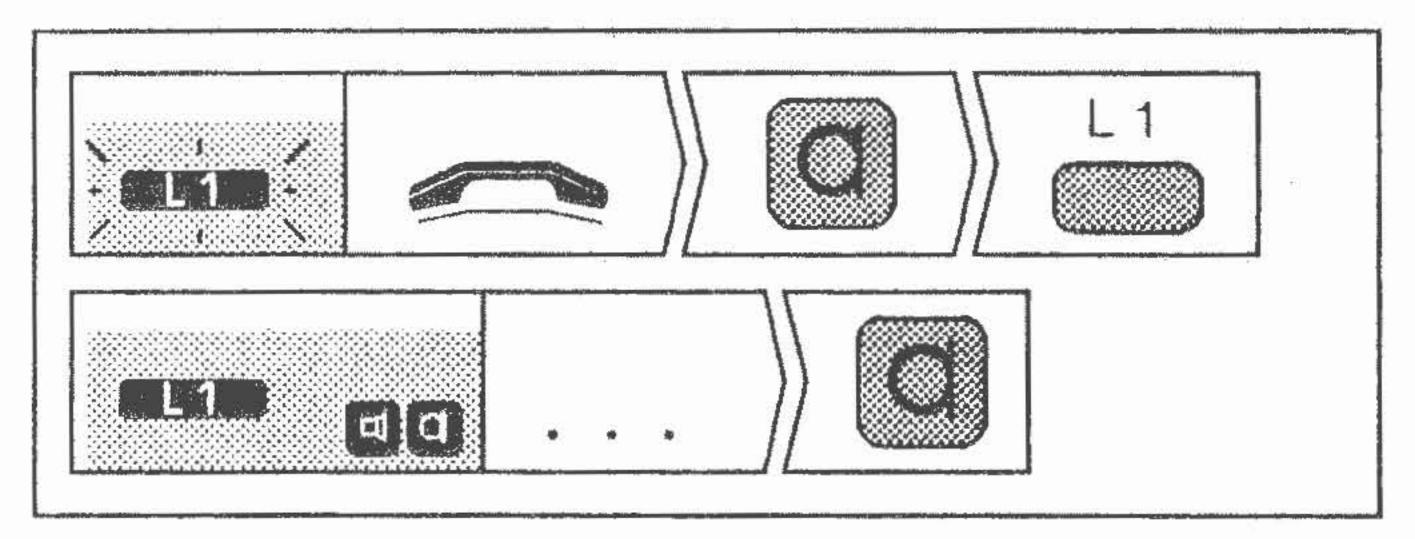
It is possible to program one of the function keys in such a way that acoustic internal calls can be switched on or off.

Press the DATA INPUT key and enter 04, your extension number and the function code 30 via the numeric keypad. Then push the function key which you want to allocate.

Answering an internal call in on-hook condition

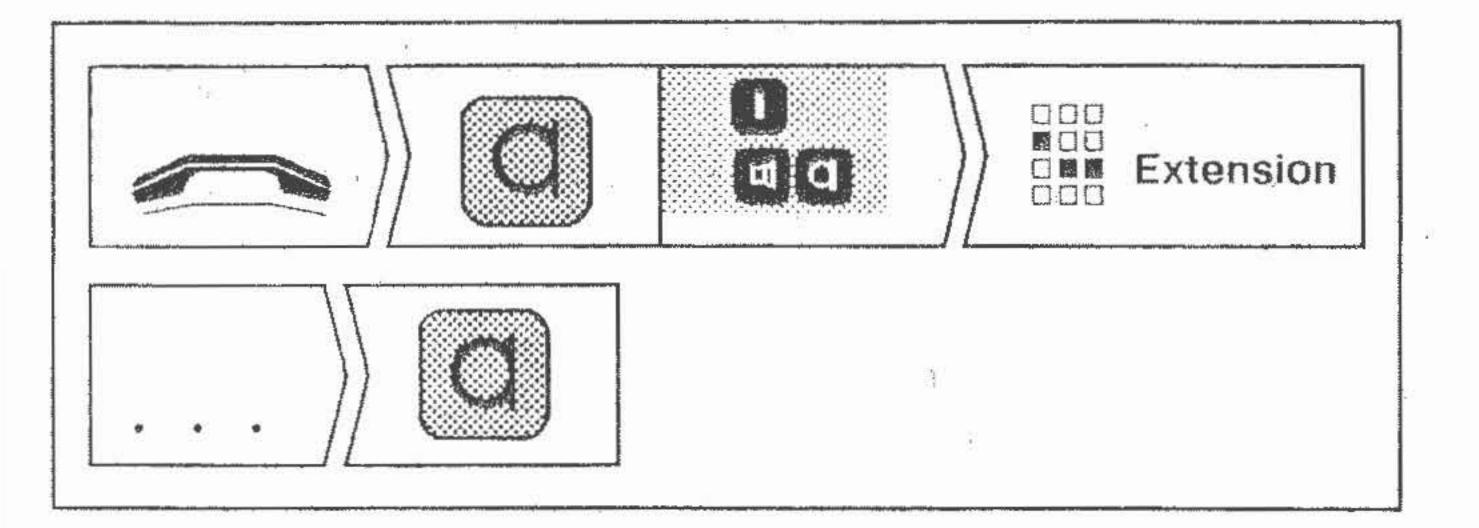


Answering an external call in on-hook condition

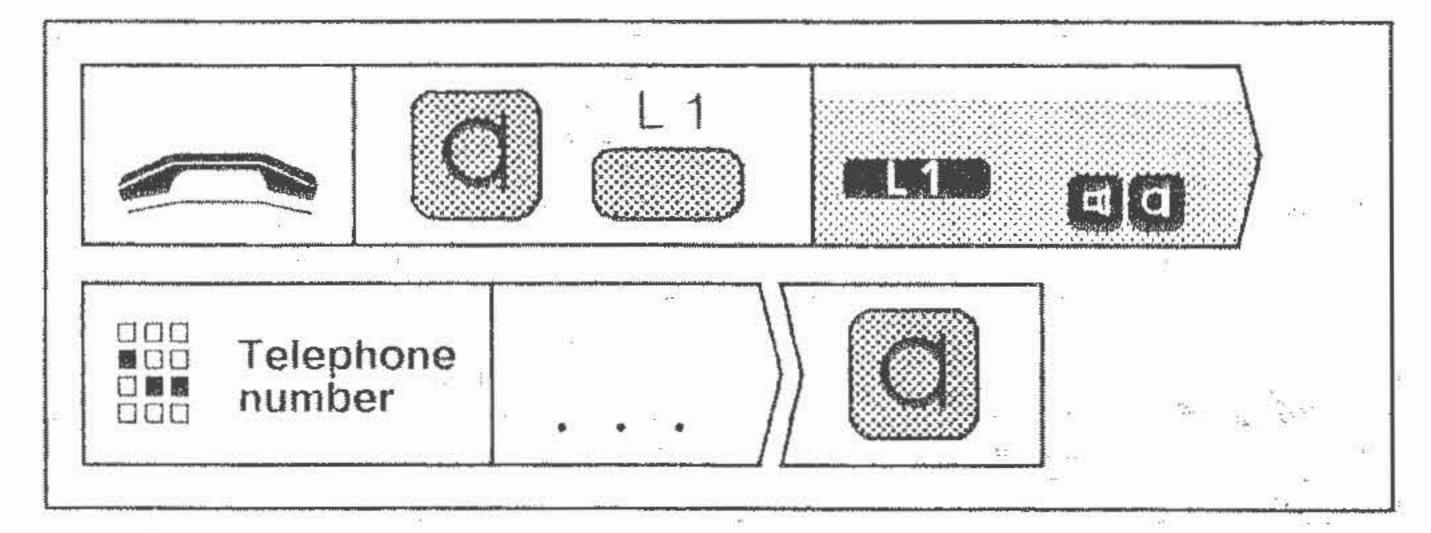


If your TK 92 is programmed so that the line is automatically assigned by pressing , no need to press the line key.

Making an internal call in on-hook condition



Making an external call in on-hook condition

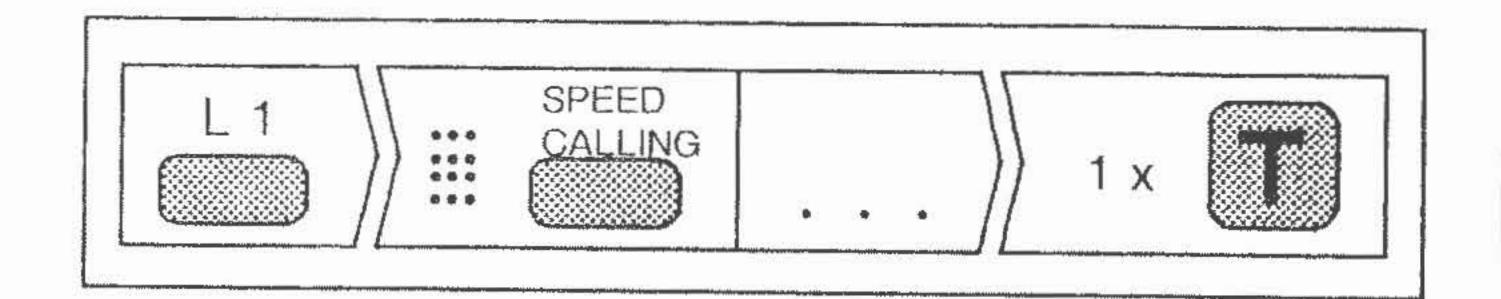


Lift the handset: the microphone switches off.

Dialing with speed-calling keys

The speed-calling keys can be programmed with telephone numbers, so that you only need to press the relevant key to dial the number.

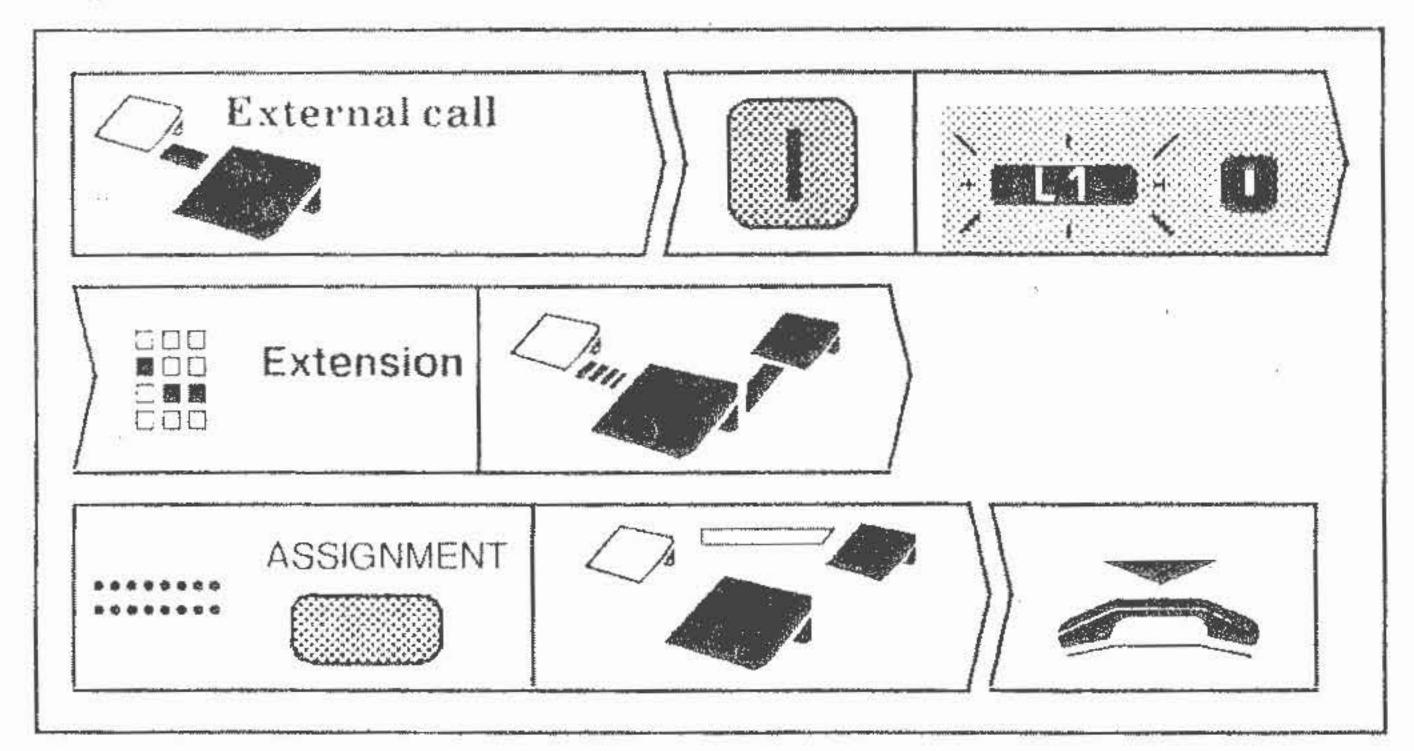
A list for entering the speed-calling destinations is provided at the end of this manual.



If you are making a call with the handset on-hook, the (T) key must be pressed twice.

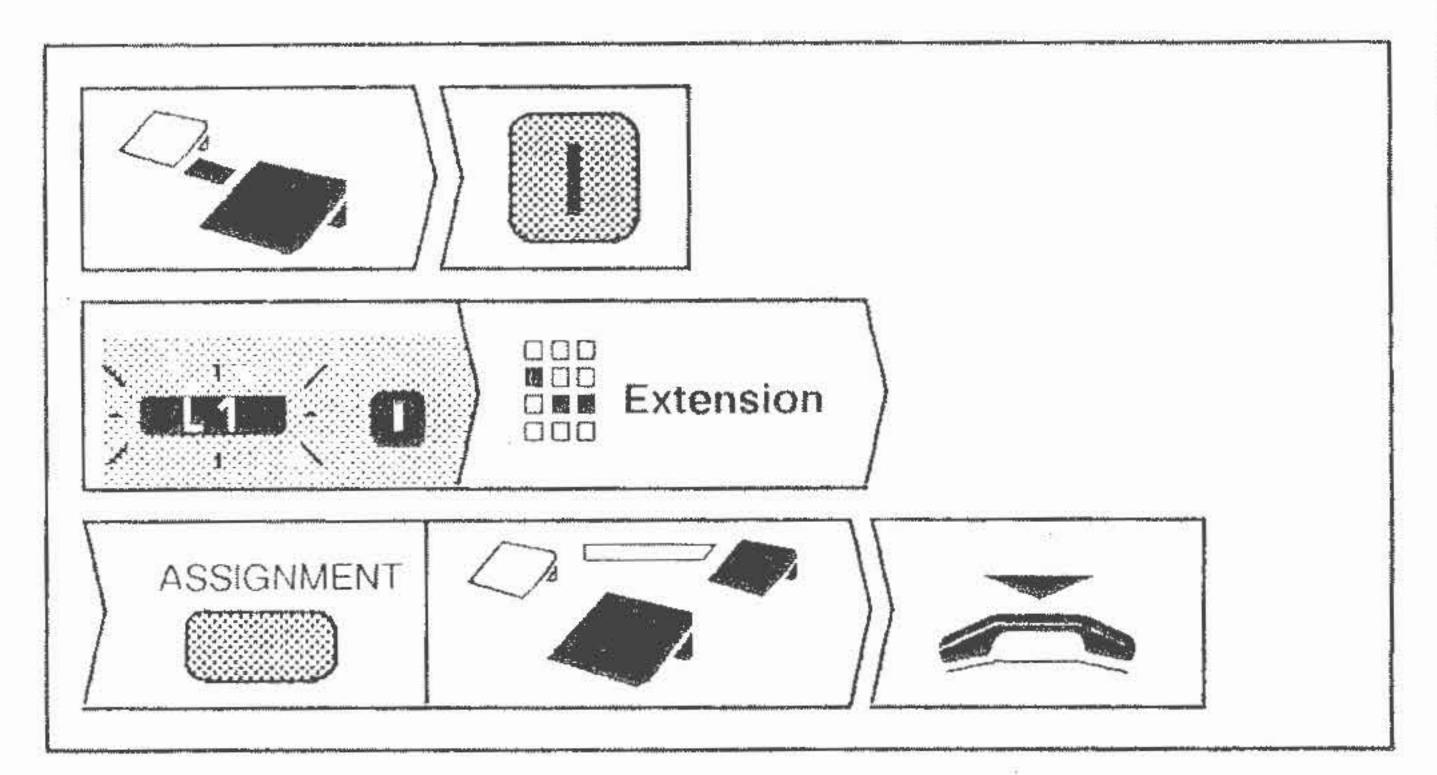
Assignment with announcement

Calls can be assigned only to internal parties. You can announce calls before assigning them, or simply assign them by pressing the "ASSIGNMENT" key.



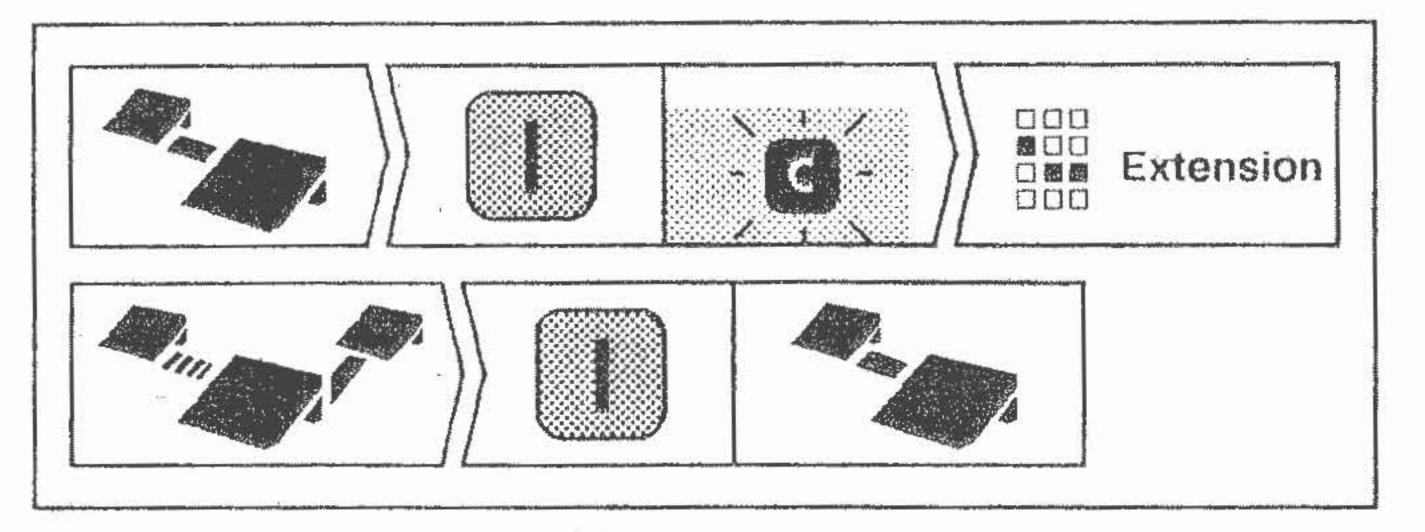
Assignment without announcement

With the TK 92, you assign calls automatically, without announcement, by pressing the "ASSIGNMENT" key and replacing the handset. The automatic assignment feature is programmed by the service technician.

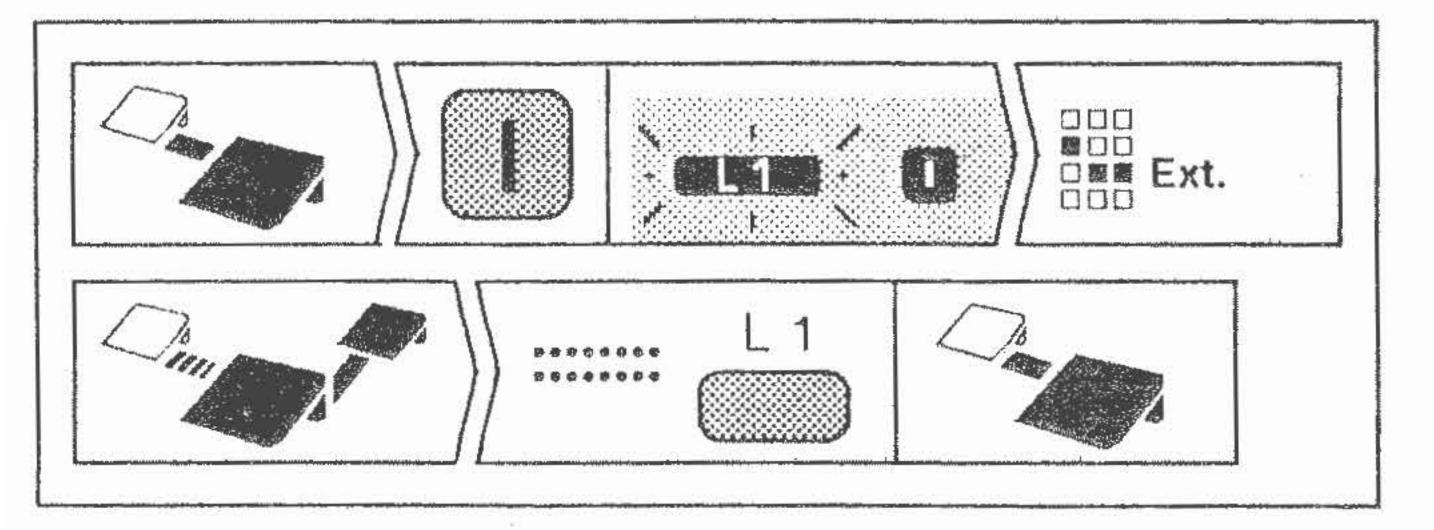


If the party fails to answer, the call is automatically returned to you after a specific time.

Refer-back during an internal connection



Refer-back during an external connection



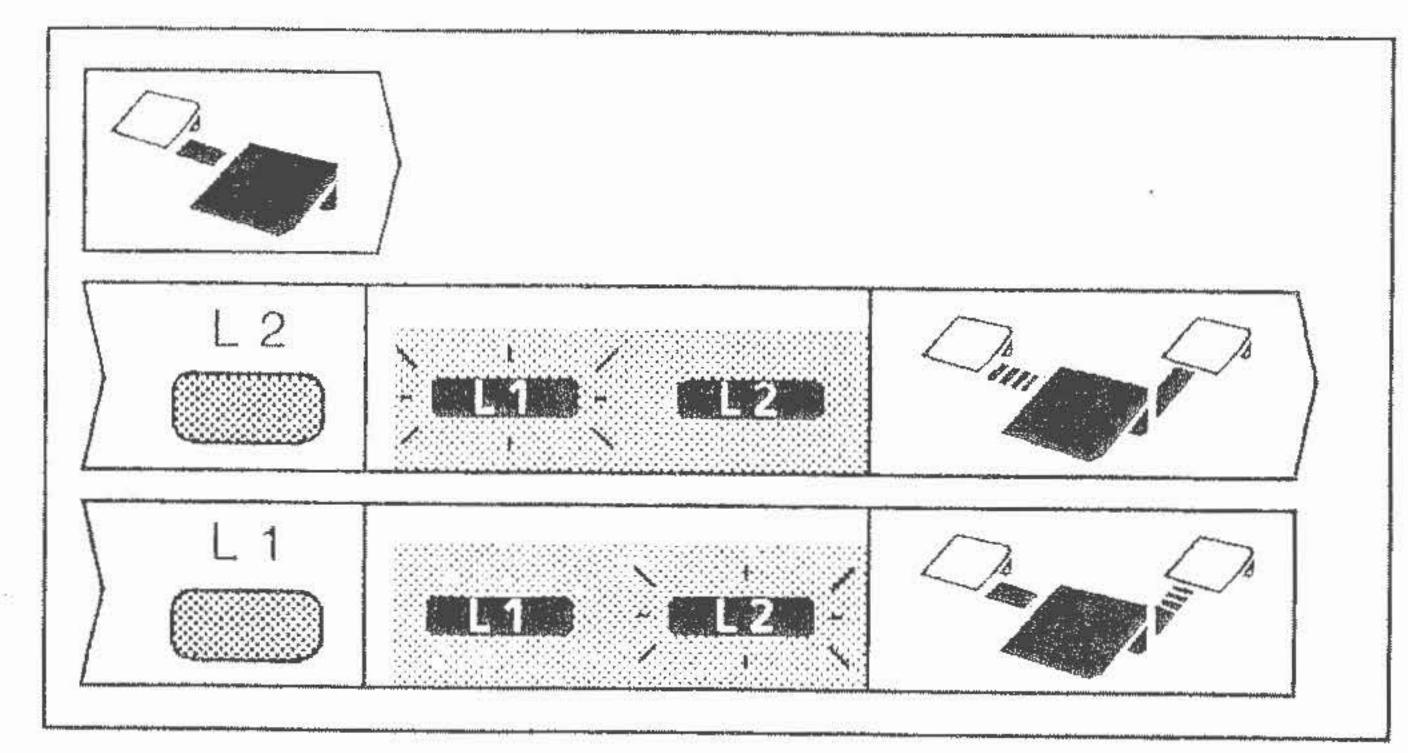
Refer-back with key R

If yours is an output-connected system, before dialing the number of the internal party for refer-back press the R key; press R again to resume the original call.

You connect the external subscriber to the extension of the input-connected system by replacing the handset.

Alternating external refer-back

During a call to the second party, the first party is switched to hold, but you can switch from one to the other by pressing the relevant line key.

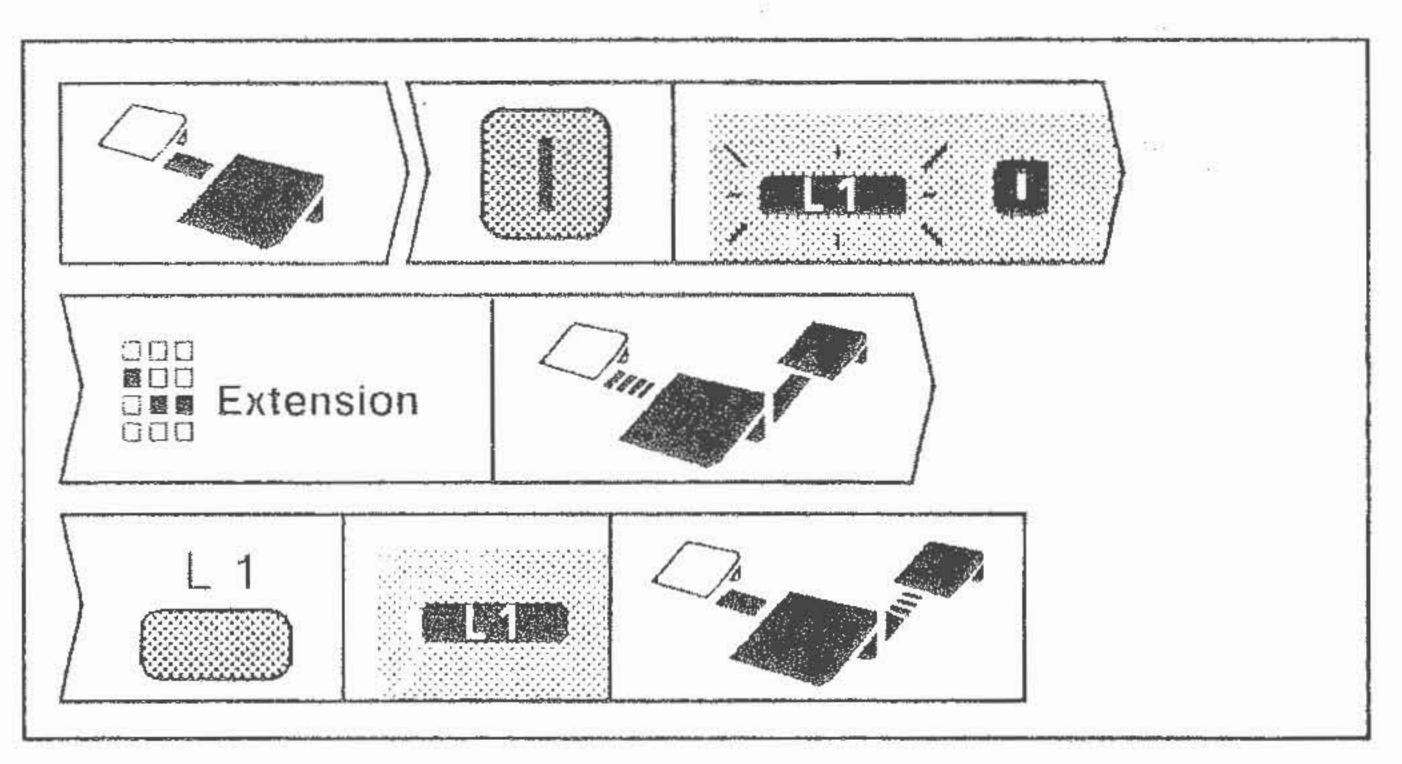


This alternating switching can be carried out on max. 12 lines.

The party on hold cannot overhear the conversation on the other line.

End the call by pressing (T)

Refer-back alternating between an external and an internal party

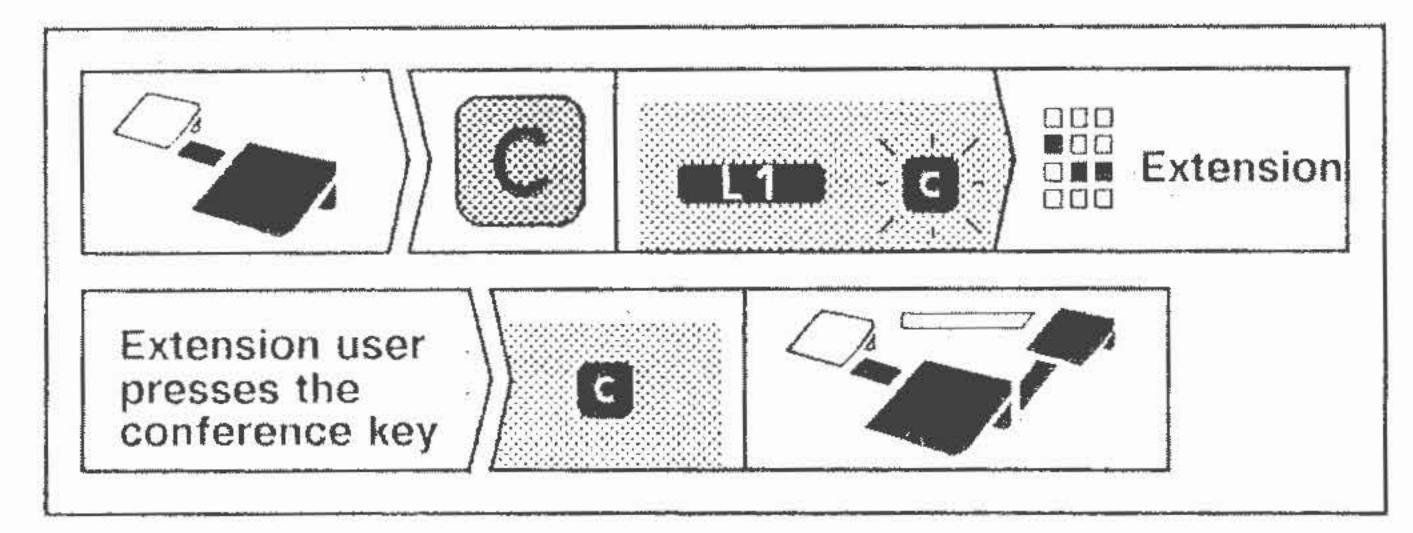


The party on hold cannot overhear the conversation on the other line.

To resume the talk with the internal party, simply press key (no need to dial the internal party's number again).

End the call by pressing (T)

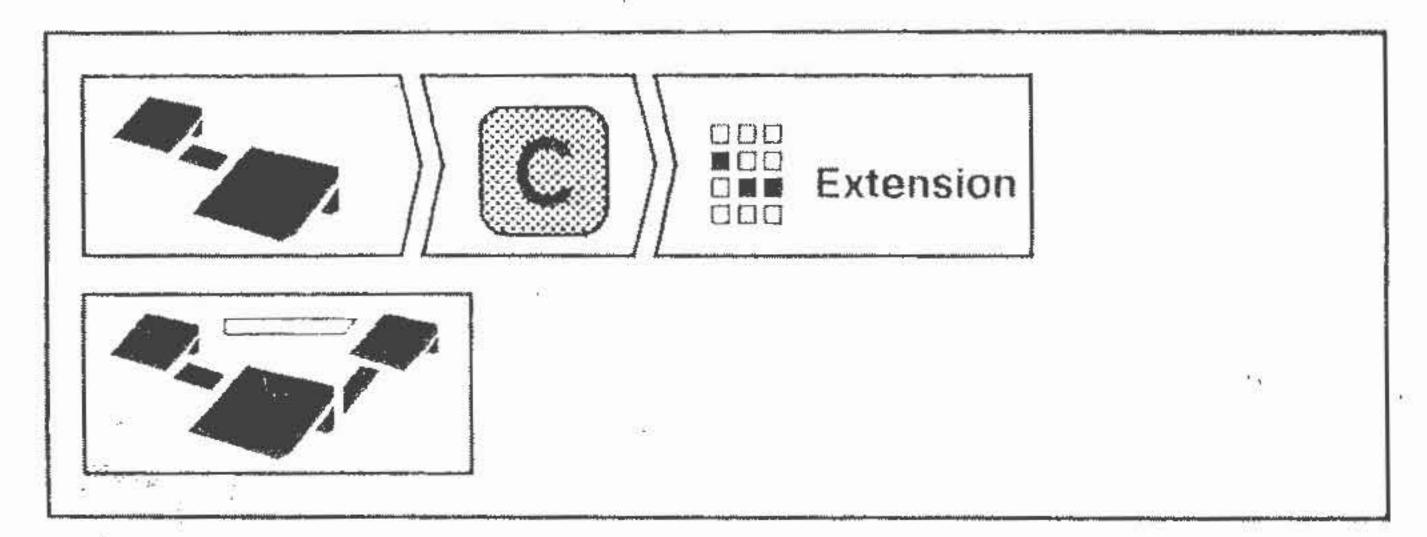
Adding an internal party to an external call



Adding a subscriber to an internal call

To add a subscriber to an internal call, press a line key and dial the relevant subscriber number.

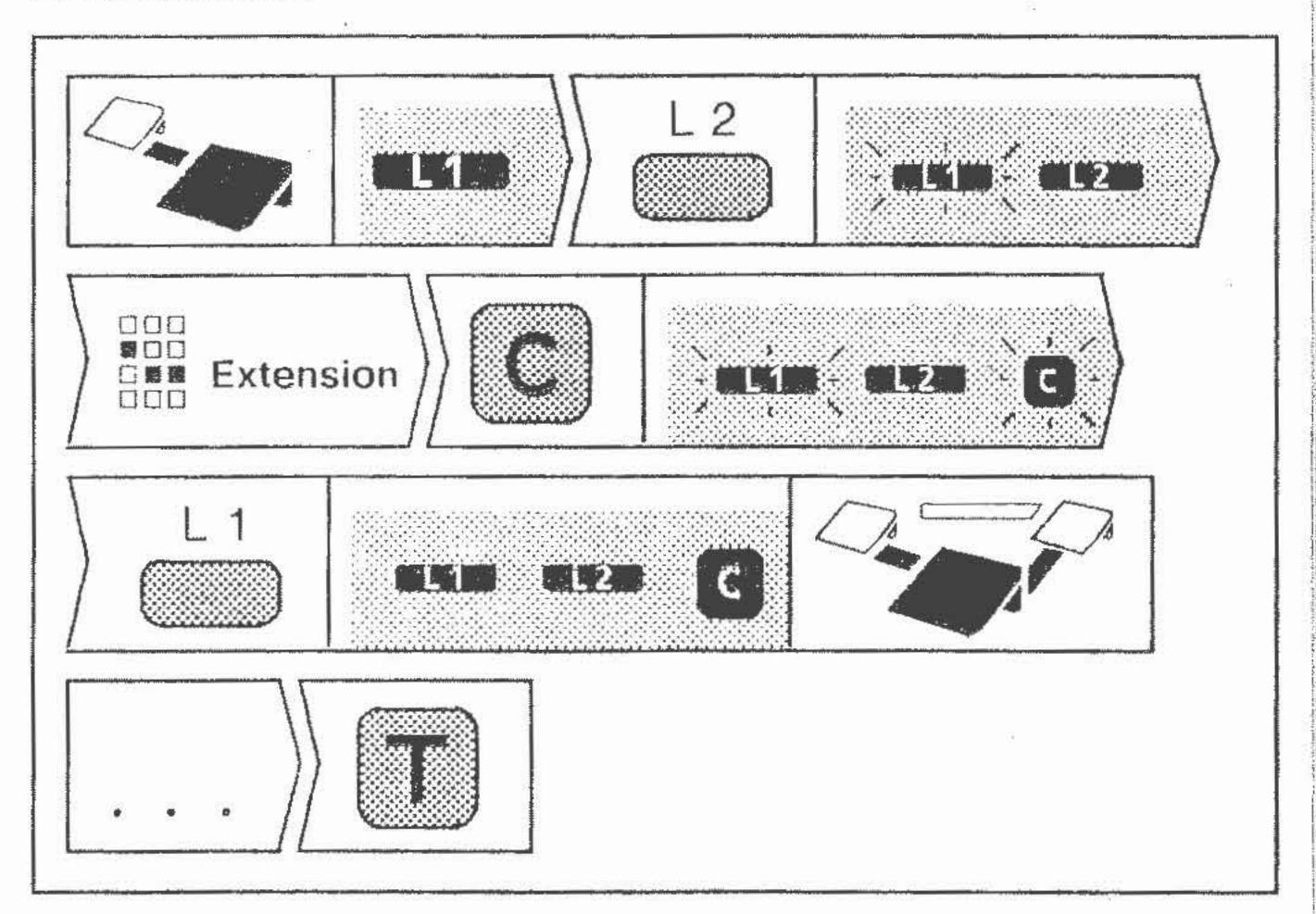
Internal conferences



Internal conferences are possible with max. 4 participants.

External conferences

External conferences are set up on external connections.



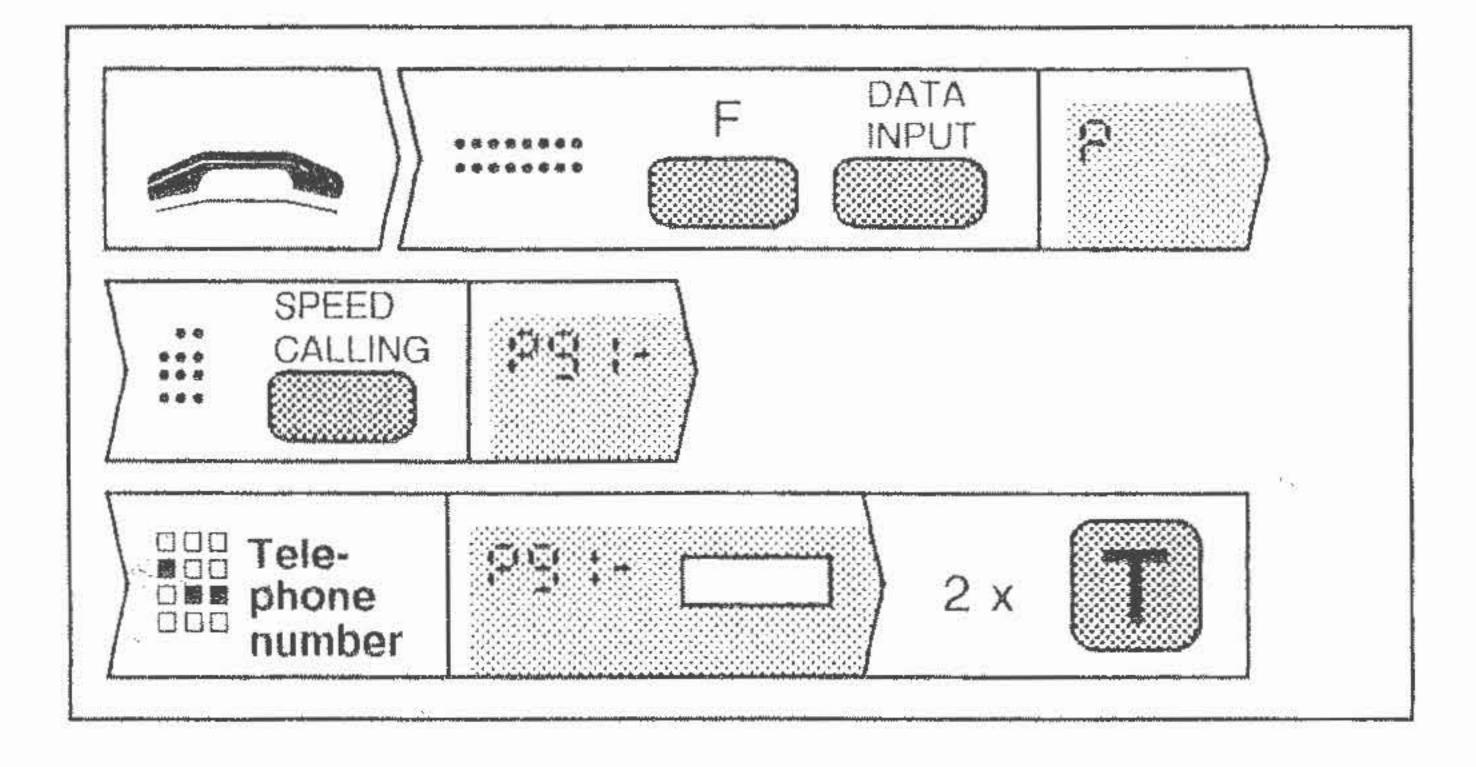
Either 2 internal parties and 1 subscriber or 1 internal party and 2 subscribers can participate in a conference.

All you need to know about speed calling and the programming of telephone numbers as speed-calling destinations is explained in this chapter.

You already know how to store numbers for speed calling on your telephone card. Frequently-used numbers can also be programmed on speed-calling keys for quick and easy dialing.

Internal parties can be rung without delay on the speed-calling keys . One extension is fixed-programmed on each key, but individual external destinations can also be stored on these keys.

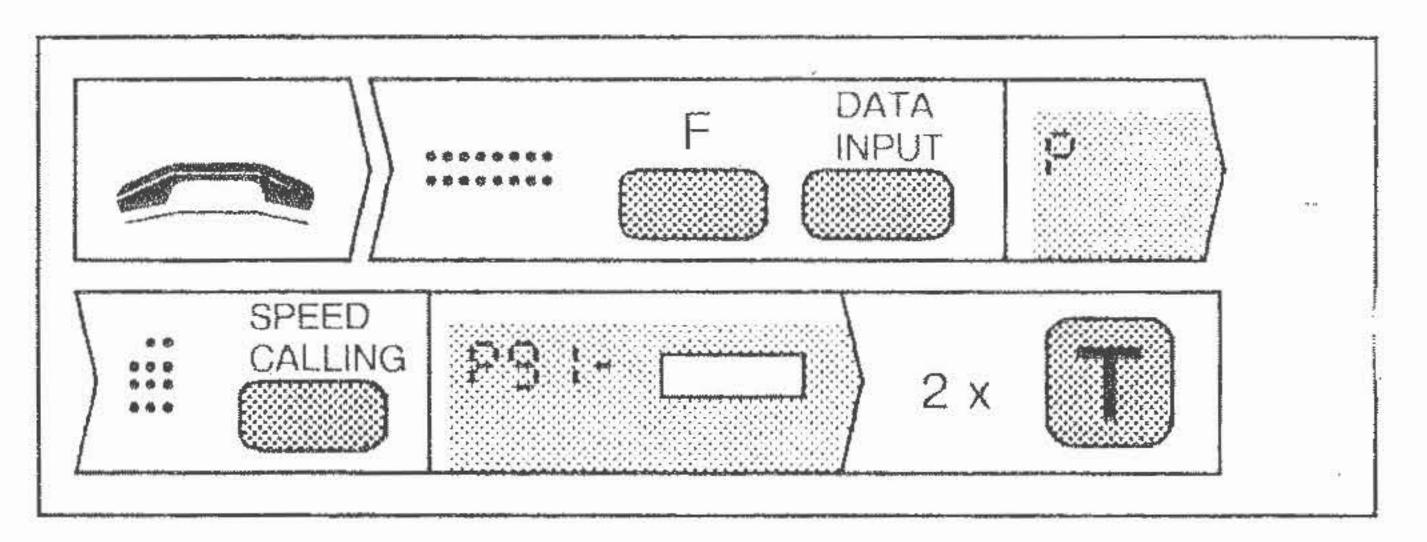
Entering speed-calling destinations



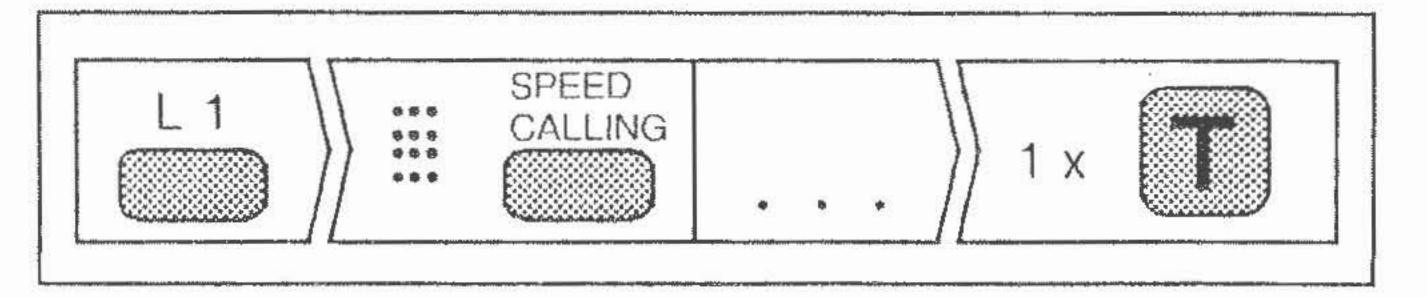
To program further numbers on the speed-calling keys, press T to close the first entry, then press another speed-calling key and enter the telephone number, closing the procedure with T.

A number already stored will be shown on the display. Clear it with (c), then input the new number.

Display of speed-calling destinations

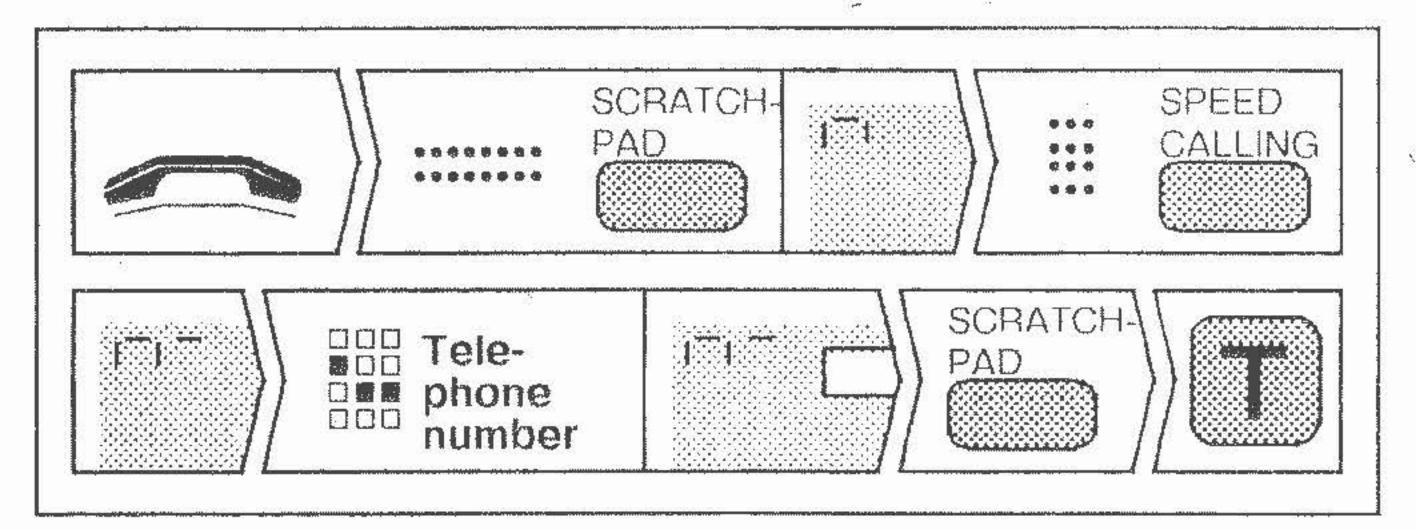


Dialing speed-calling destinations



Entering speed-calling destinations with the scratchpad function key

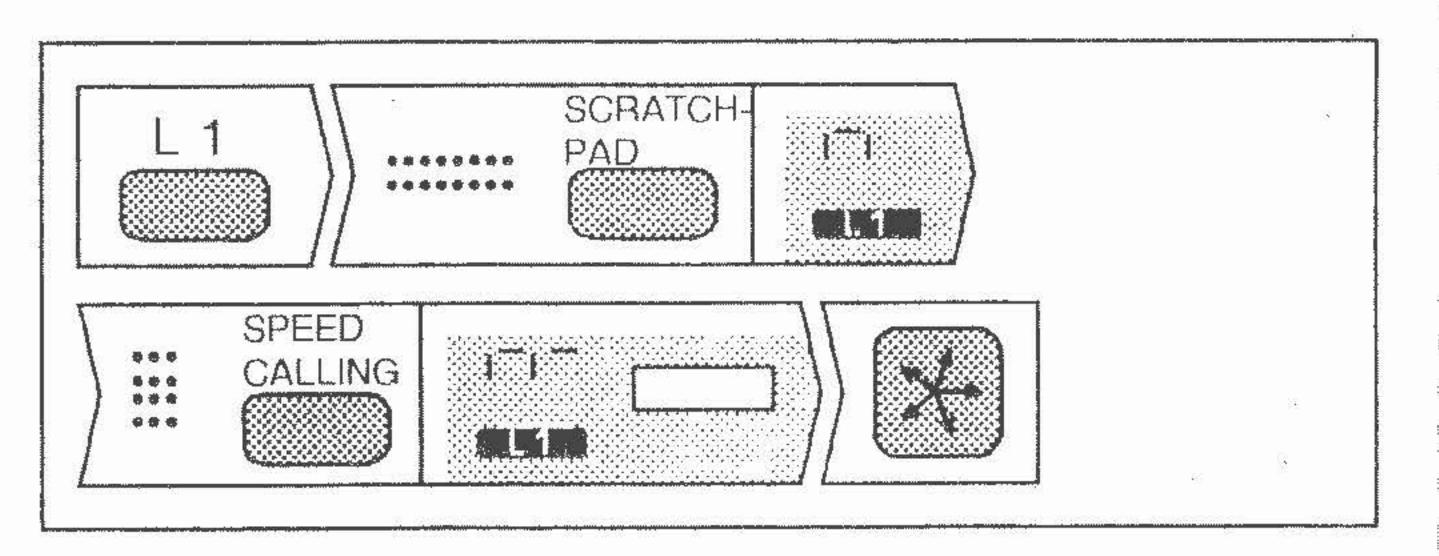
The scratchpad function gives you a chance to store further numbers for speed calling.



If you wish to store more than one number, press the next speed-calling key and enter a further number. If a number is already stored, it will be shown on the display. Clear it with C.

The individual speed-calling memory is used as scratchpad memory. Hence an already stored speed-calling number is overwritten if a number is entered into the scratchpad memory.

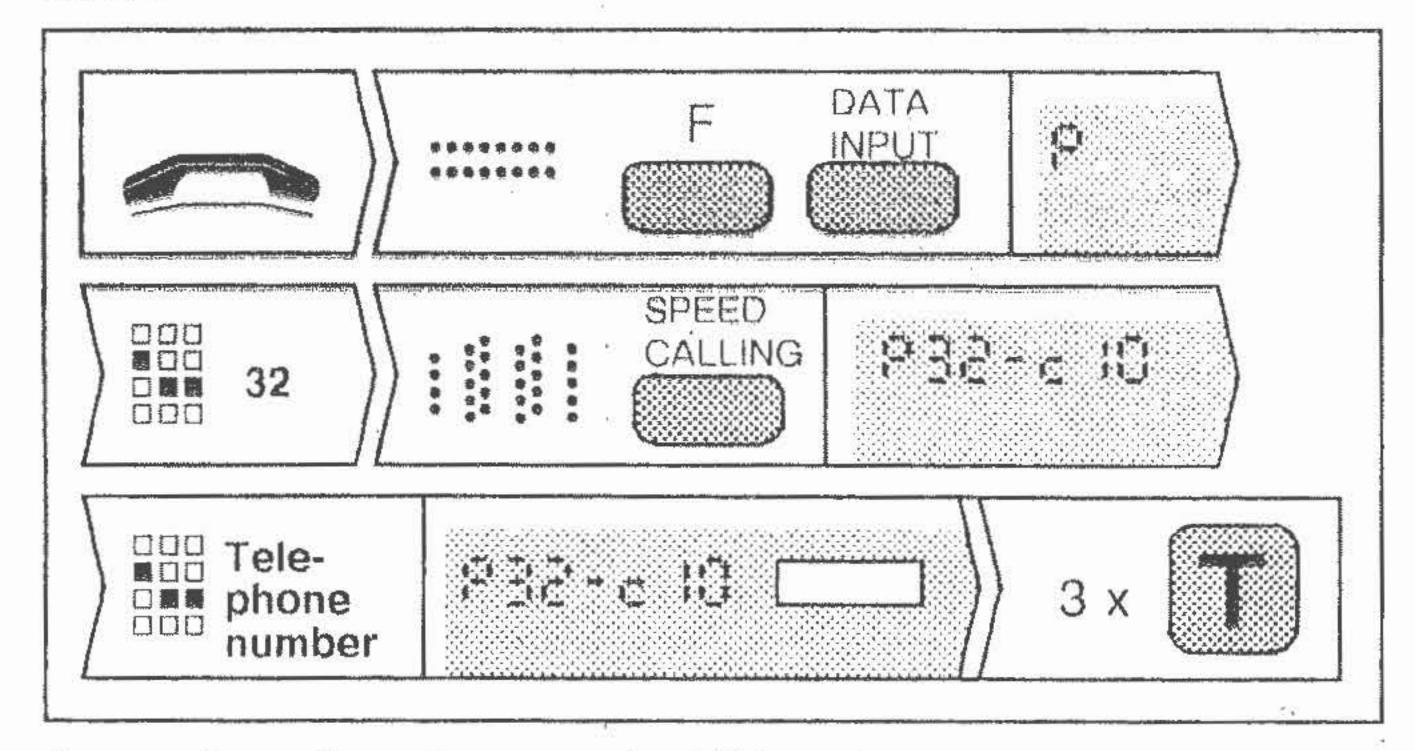
Dialing speed-calling destinations with the scratchpad function key



The speed-calling keys below the pushed-up keyboard

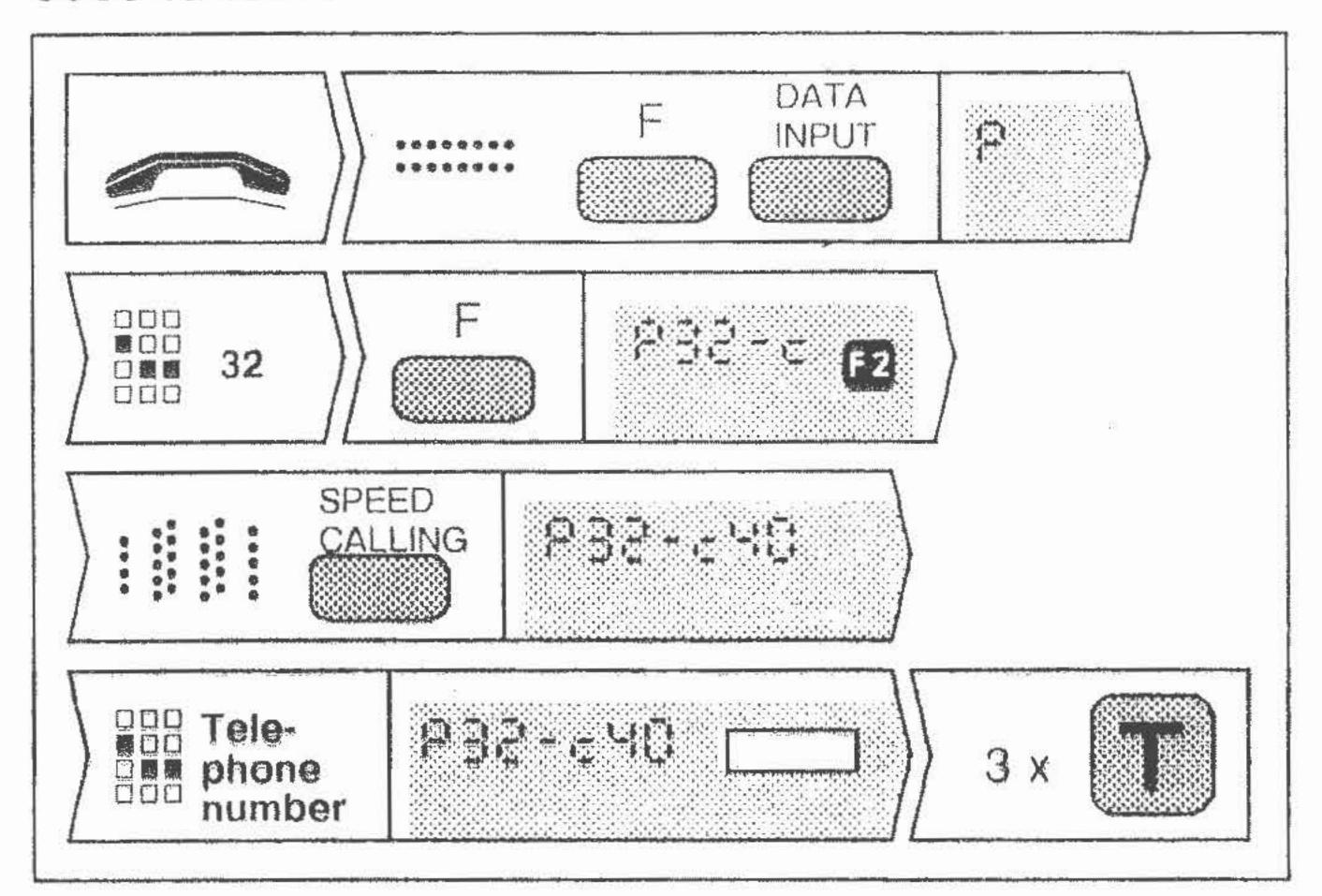
Push up the keyboard to get access to another 30 keys for speed calling. Since they can be programmed on two levels, you have 60 speed-calling keys at your disposal.

Entering speed-calling destinations on the first level



A number already stored will be shown on the display. If necessary, clear it with (C).

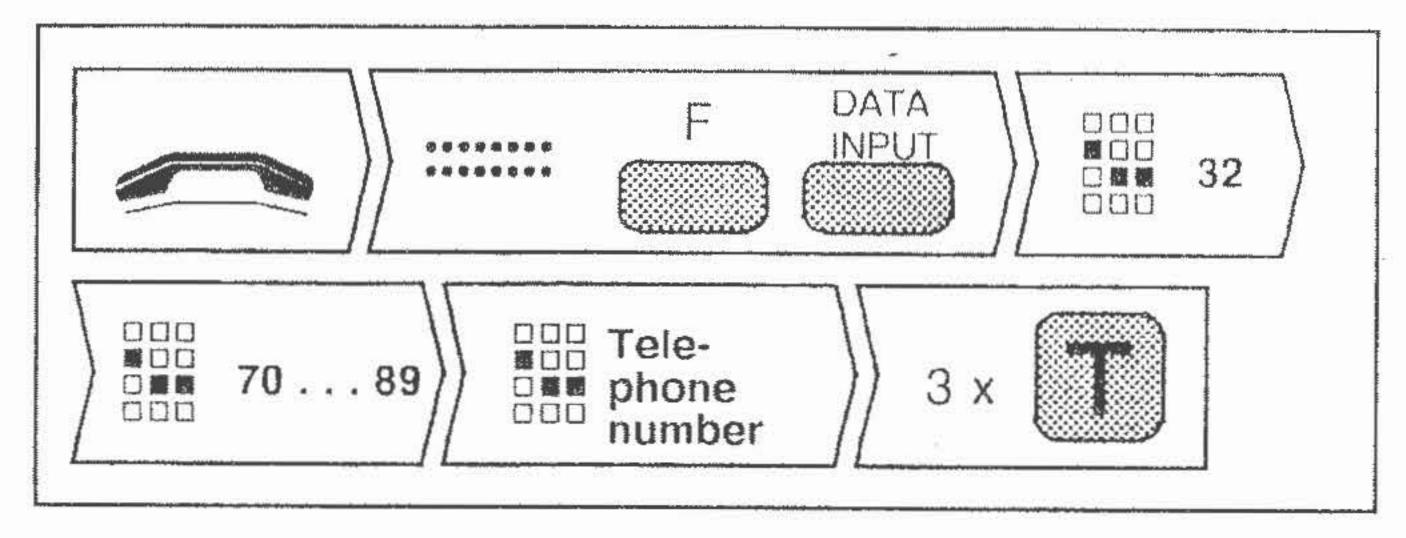
Entering speed-calling destinations on the second level



If a number is already stored, it will be shown on the display. Clear it with (c), then input the new number.

Entering additional speed-calling destinations via the numeric keypad

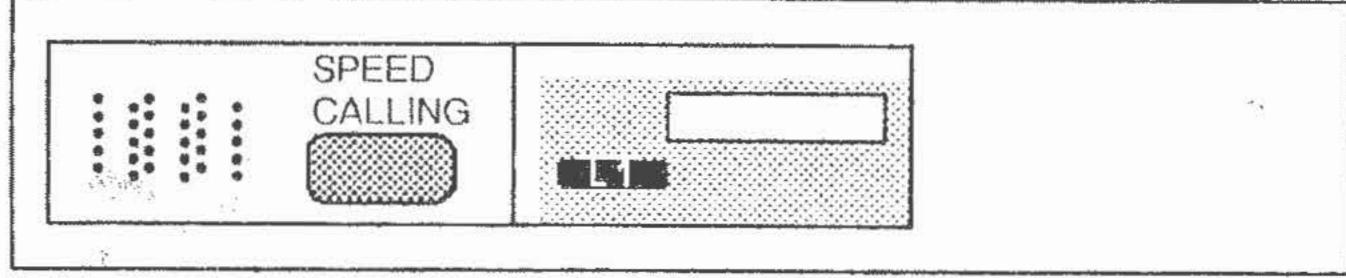
Input speed-calling destinations 70 to 89 on the keypad.



Dialing with the additional speed-calling keys

Press (**) and enter the speed-calling destinations 70.89.

Dialing speed-calling destinations

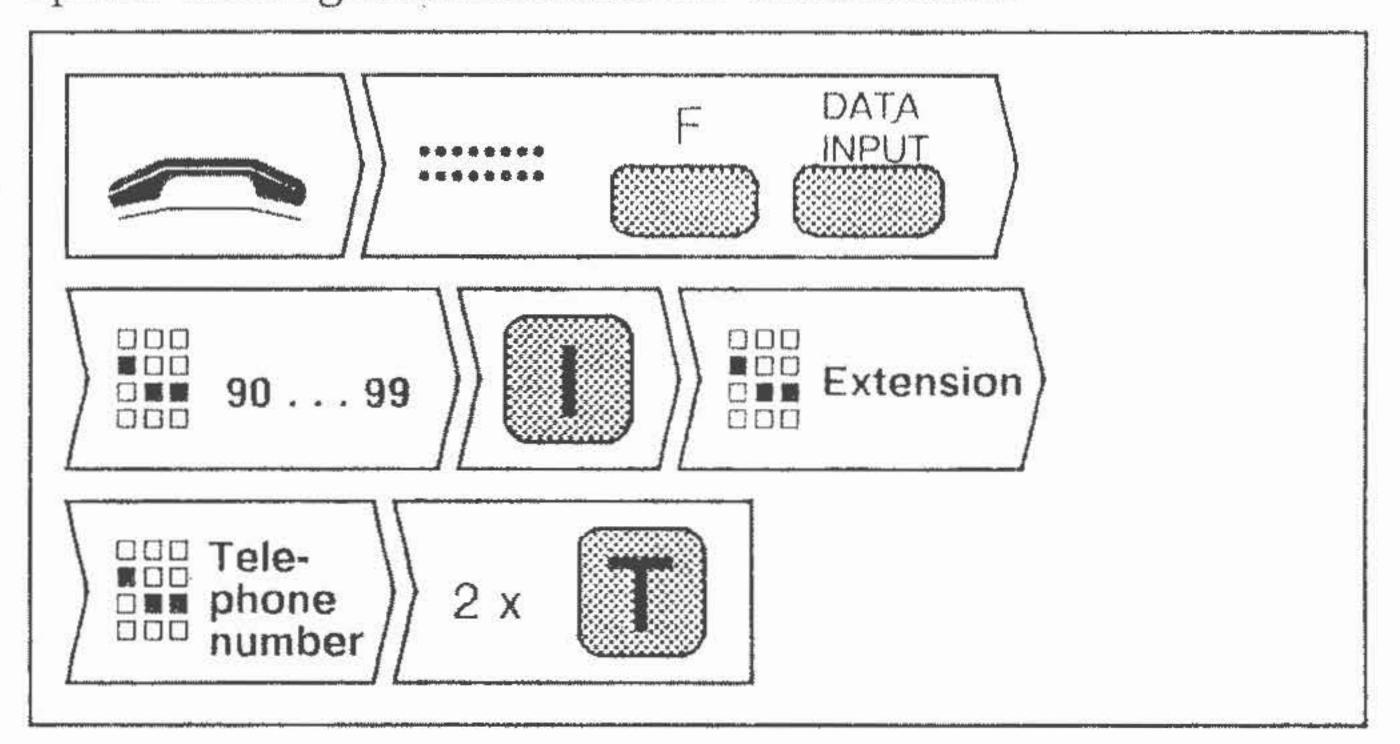


Before using second-level keys, press key(F).

Speed-calling

Entering speed-calling destinations for extensions

You can also program frequently used call numbers as speed-calling destinations for extensions.

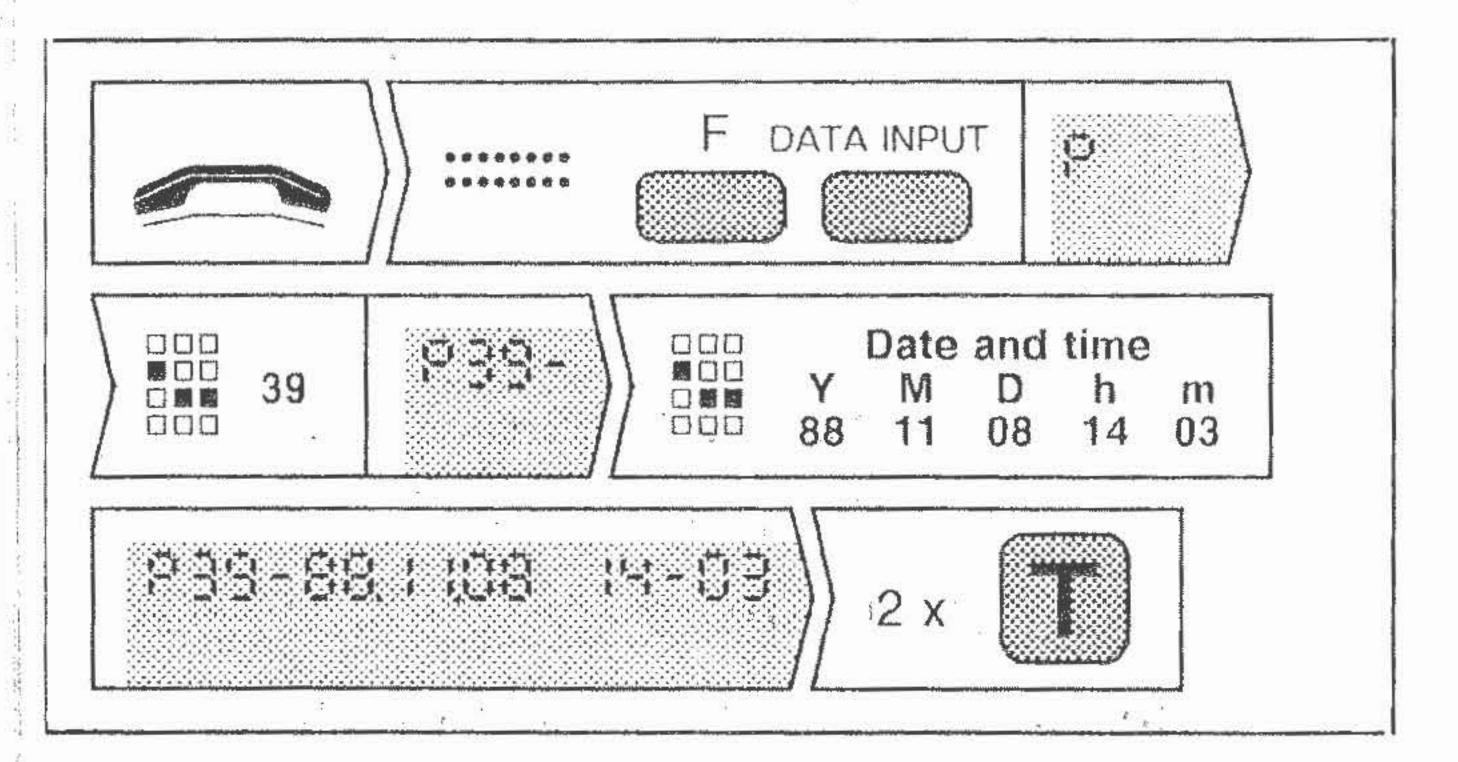


If you want to enter further call numbers, press T to end the first entry and repeat the procedure shown above, closing the input with T .

Here you will learn how to set
both date and time on your
TK 92, and also how to program
appointment times on your telephone
or other extension sets.

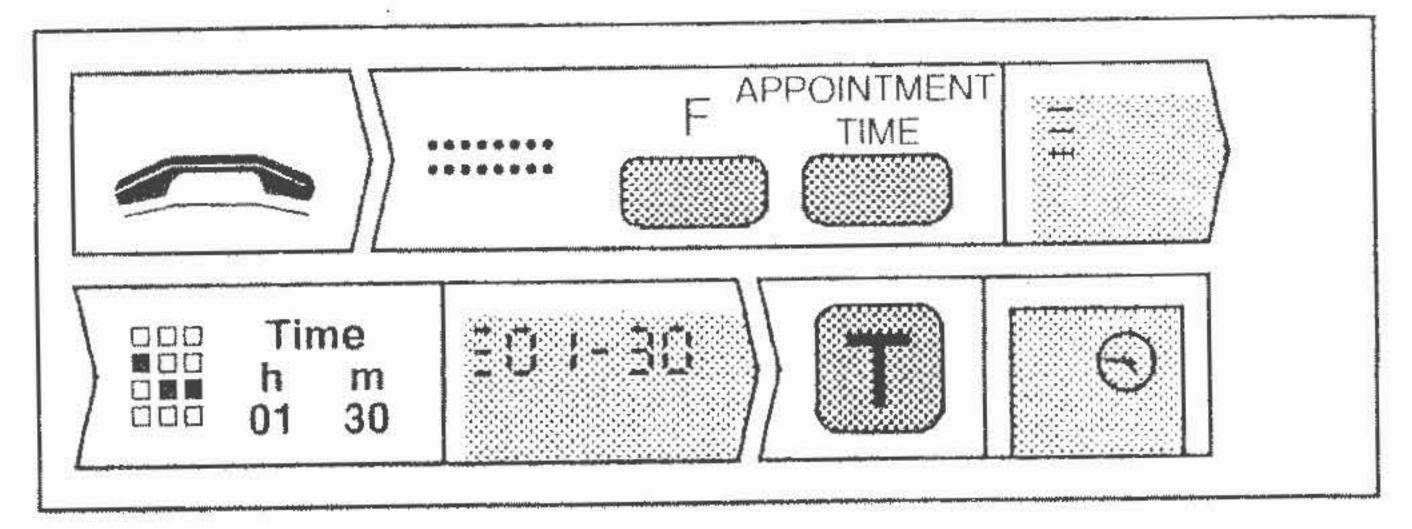
Clock and calendar

Both time and date can be adjusted on your TK 92.



Appointments

You can input an appointment time your TK 92 will remind you of punctually.



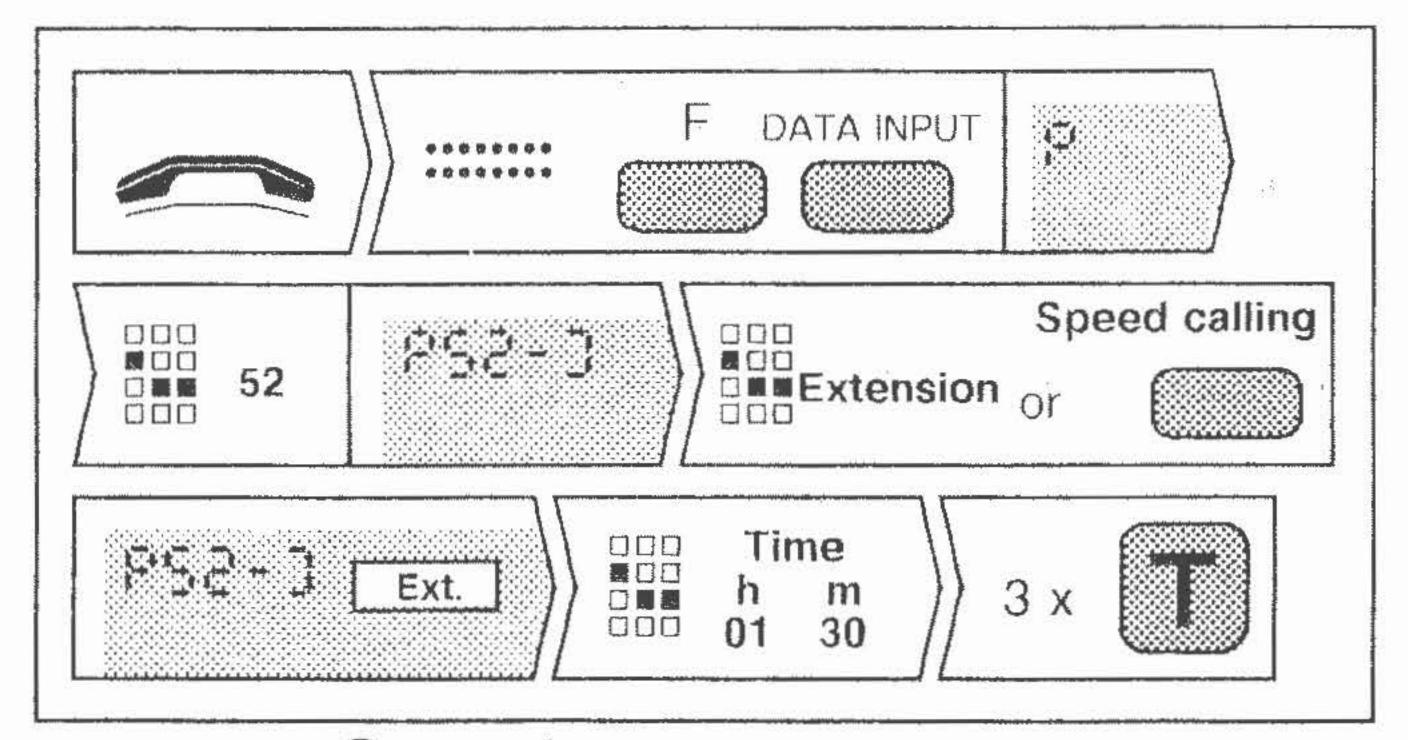
Press the "APPOINTMENT" key: the appointment time will appear on the display.

To stop the reminding tone, lift the handset: the appointment is cleared.

To clear an appointment before the time set, press "APPOINTMENT" and C, then end the procedure with T.

Entering an appointment for an extension

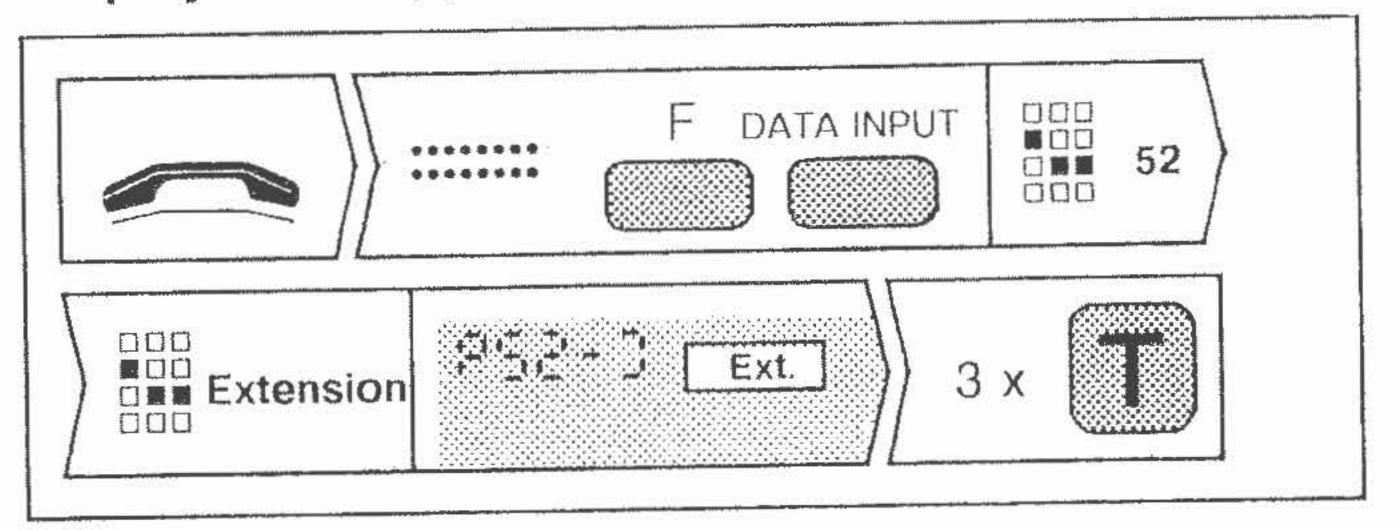
You can also enter an appointment time for another extension.



The symbol \odot or \checkmark on the extension display shows that an appointment has been set for this extension.

To enter further appointment times, press To once and repeat the input procedure.

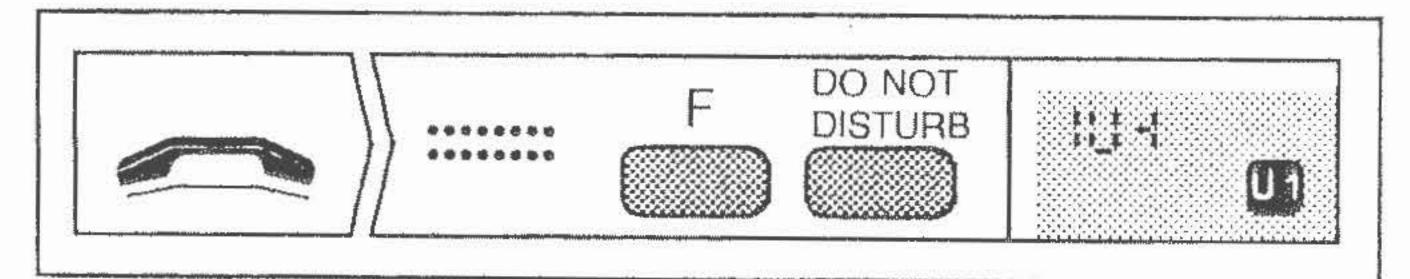
Display of an appointment time for an extension



How to prevent calls from reaching your set,
make announcements and divert calls.
Night switching to reroute calls to night
stations.
Follow-me function to make you available
outside your office.

Do not disturb

You can busy out your telephone temporarily.



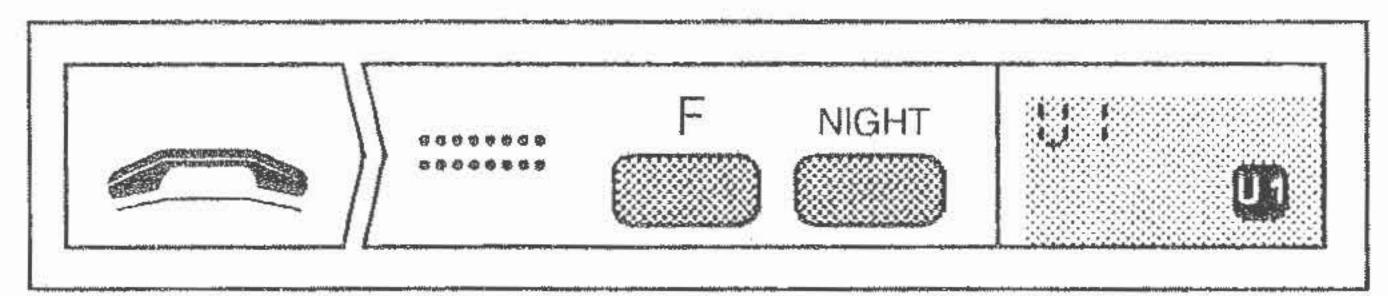
To re-establish service to the station, press "SWITCHOVER" and (T).

Bypassing the do-not-disturb feature

It is possible to override the do-not-disturb facility by dialing the party's number and (C).

Night service

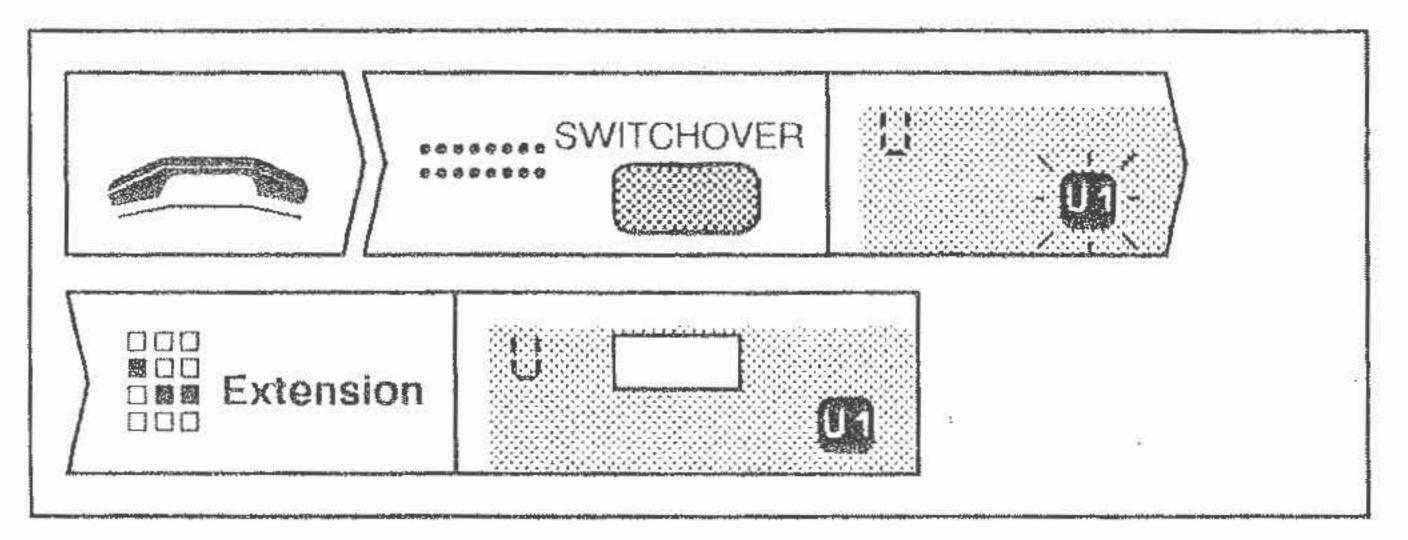
This is to reroute external calls from your set to night stations set up for this purpose.



Bypass the night service by pressing the "DAY" key; clear it with keys "SWITCHOVER" and (T).

Call diversion

Internal and external calls can be switched over to other extensions.

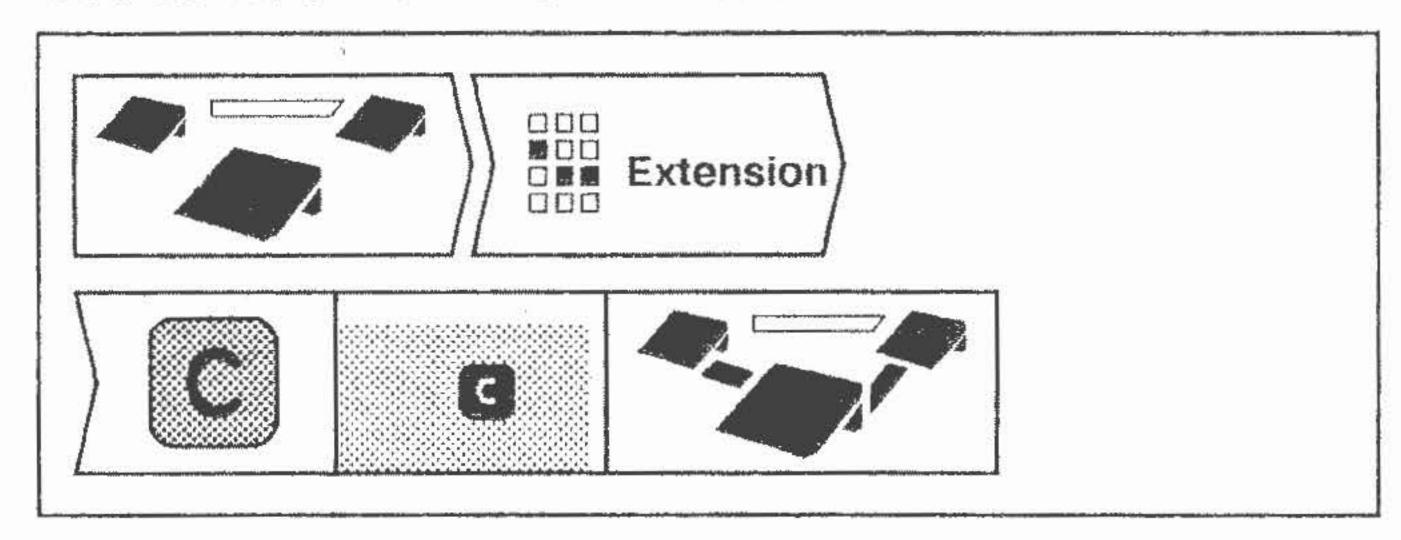


To clear this feature, press keys "SWITCHOVER" and (T).

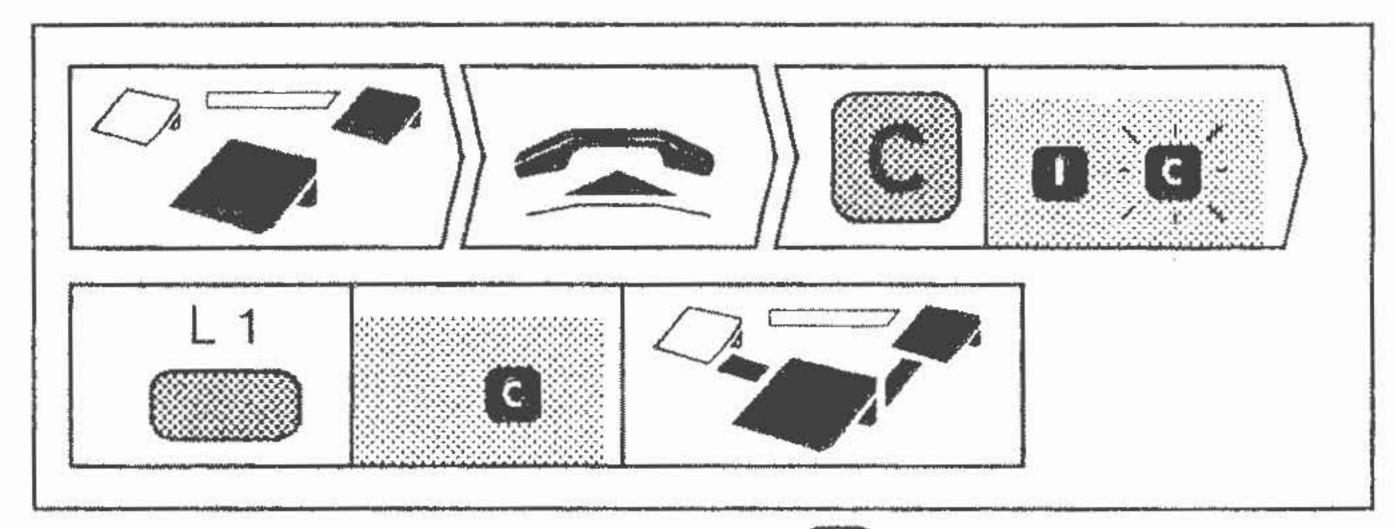
This chapter shows you how to connect tape, headset and microphone as well as the DSS module to your TK 92.

Add on

You can cut in on internal calls:



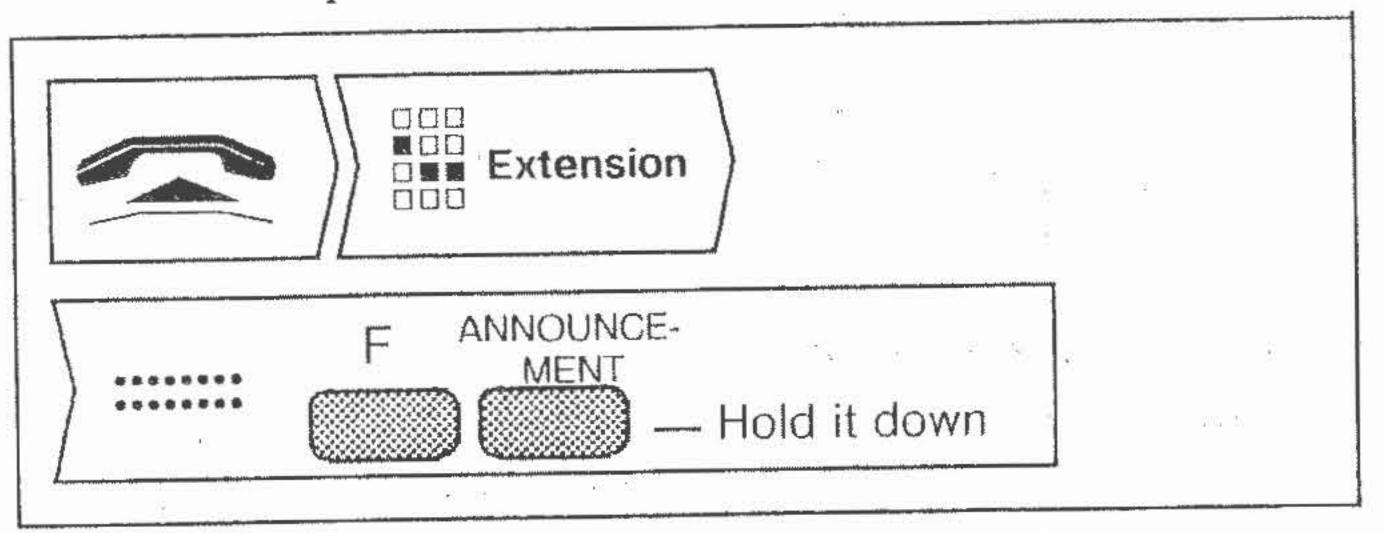
You can also add on to external calls:



Clear this function by pressing (T) or replacing the handset.

Announcements

Anouncements to other extension users can be made via the loudspeakers incorporated into the telephones.

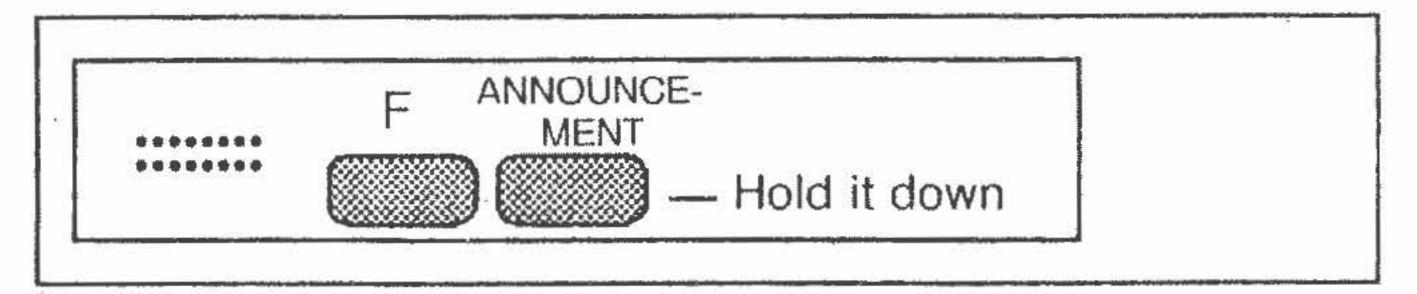


Group announcements are also possible - if the extensions are programmed accordingly.

The announcement will not reach an extension user who is conducting a call or has just lifted the handset.

Voice calling, general

Authorized extension users can send announcements to all extensions.

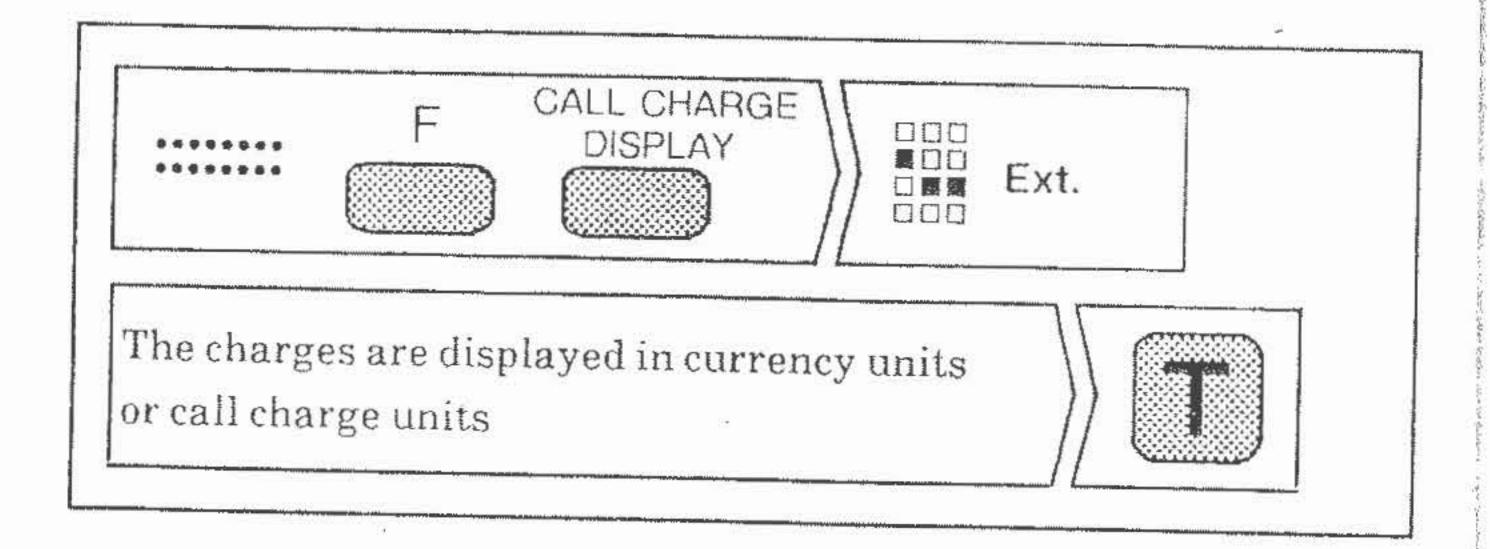


Automatic group hunting

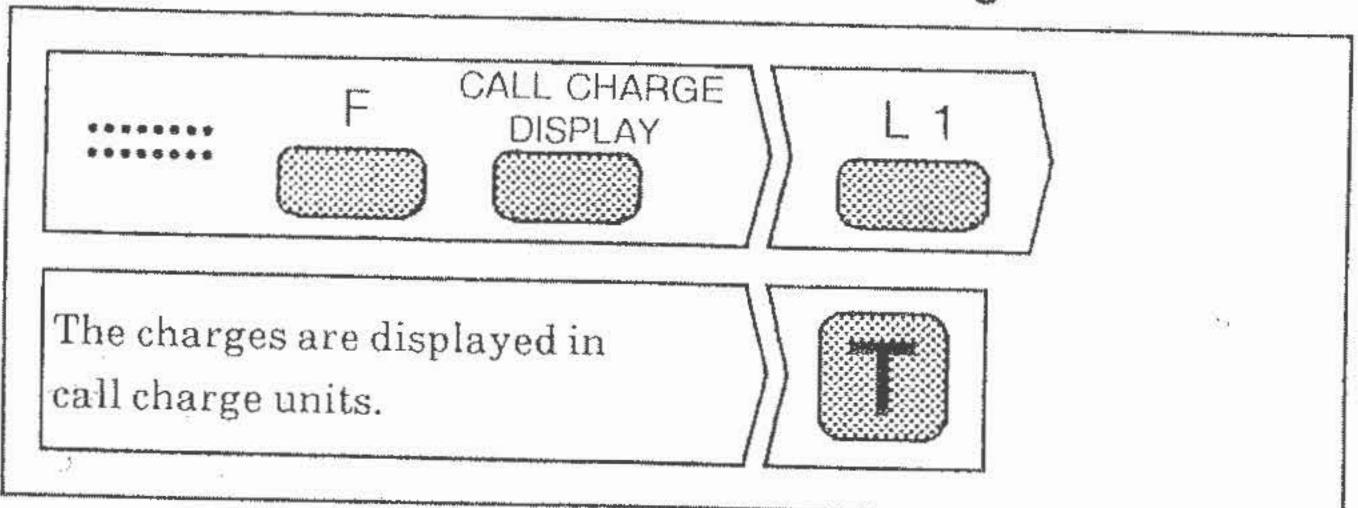
Various telephones can be combined into a group so that an incoming call to the group is routed to the first free set, or all the sets are rung in sequence, depending on the system's program. How you can have your telephone charges displayed and printed out.

All charges are recorded and stored and can be indicated on the display or output on a matrix printer.

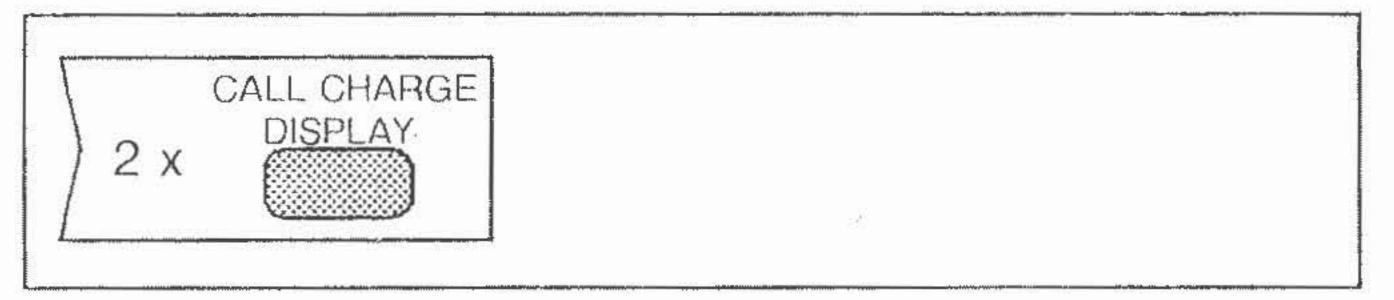
Display of call charges for an extension



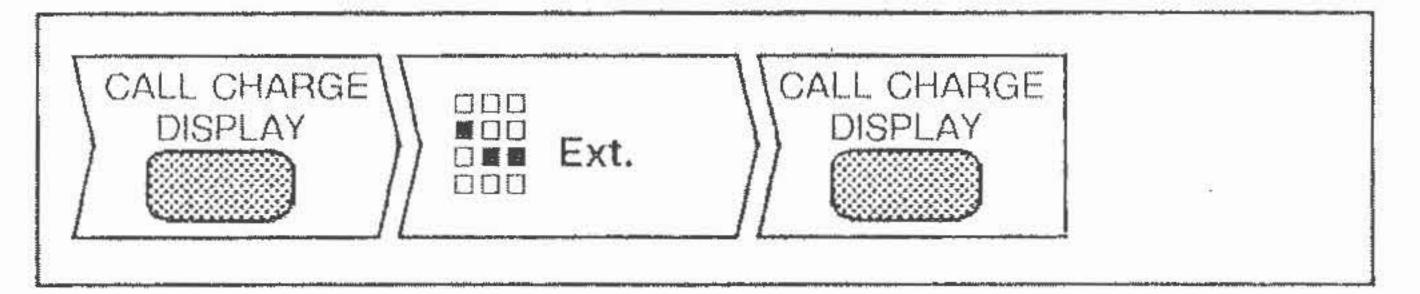
Display of call charges for an exchange line



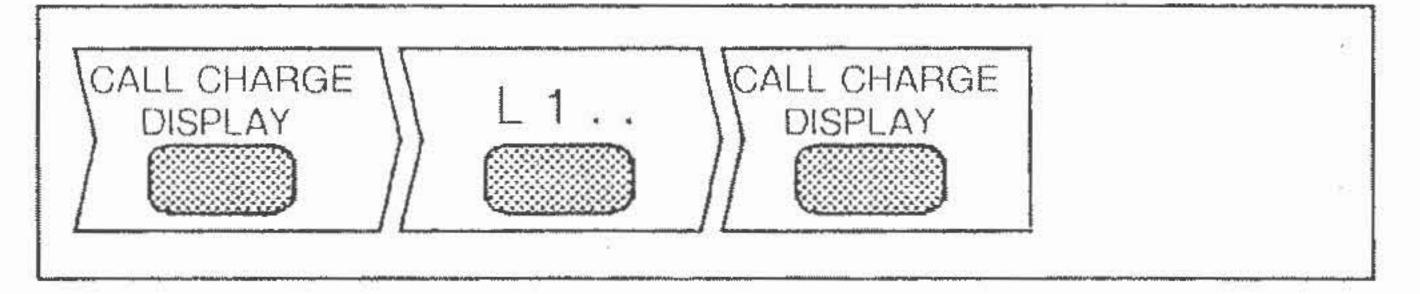
Printout of total call charges



Printout of call charges for individual users



Printout of call charges for one line



Printout of call charges with clearing

To clear the call charges after printout, close the procedure by pressing the "CALL CHARGE OUTPUT" function key instead of "CALL CHARGE DISPLAY".

Both call charges display and printout can be performed only on authorized telephones.

During paper change or a printer breakdown, the data are buffered and can be printed again when operation is reinstated. Up to 5 advertising header lines can be added to the printout, with the possibility of using max. 100 ASCII characters in sequence out of the full ASCII character set. Input only 3-digit characters: they are taken over immediately, without pressing T. Corrections are not possible. In case of mistakes, the entire entry has to be repeated.

Call charge units are displayed as 6-digit figures. Currency units are 8-digit figures with 2 decimals or 10-digit figures without decimals, according to the country version.

Printout of all appointment times

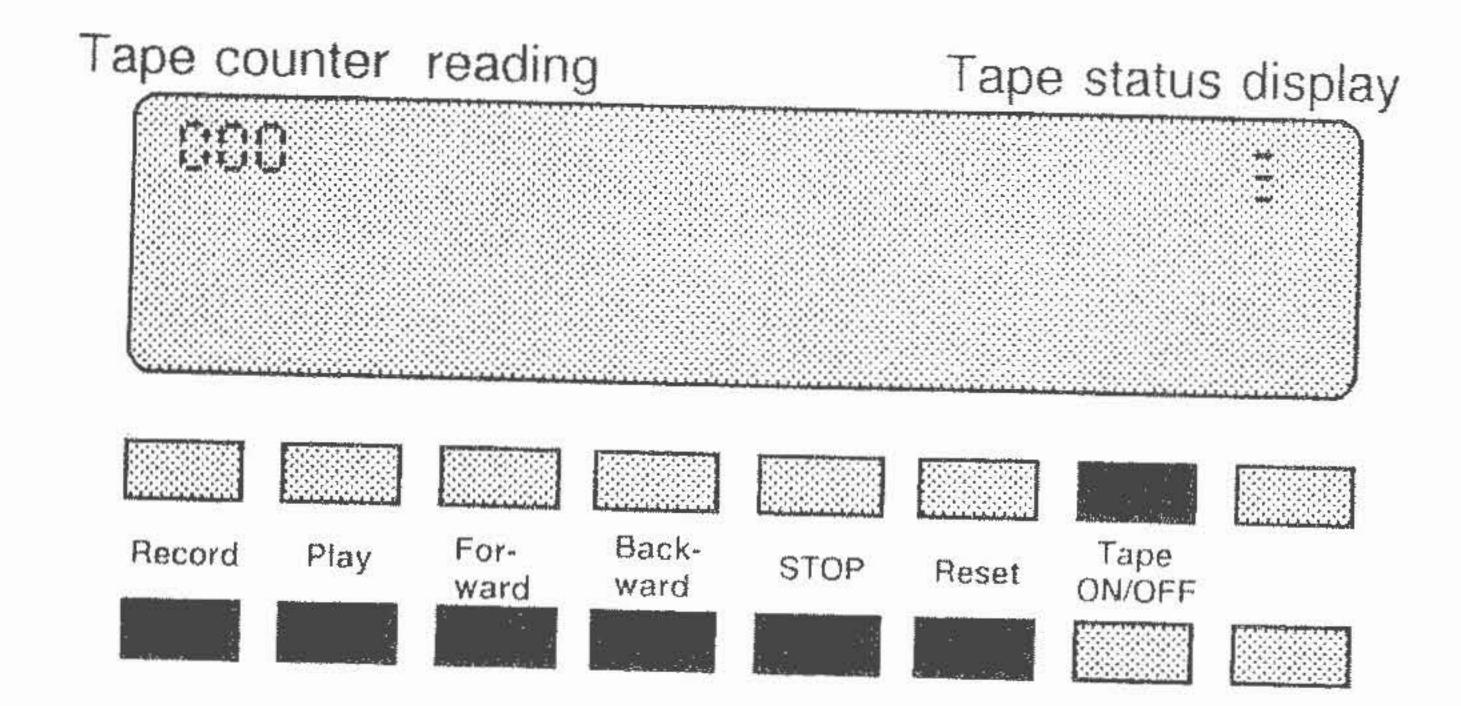
It is possible to printout a list of all appointment times. Allocate a function key to this feature by pressing the DATA INPUT key, entering 04, your extension number and 24 via the numeric keypad. Then press the function key which shall be used for this type of printout.

To have a list of all appointment times printed press the function key programmed with this feature.

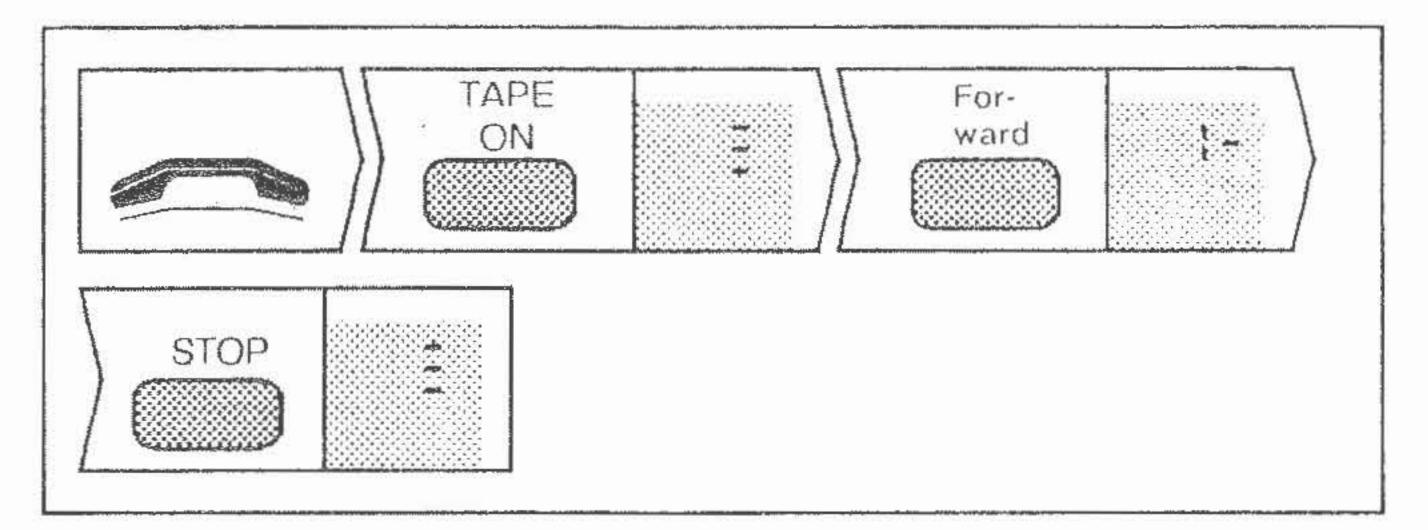
This chapter shows you how to connect tape, headset and microphone as well as the DSS module to your TK 92.

The microphone module

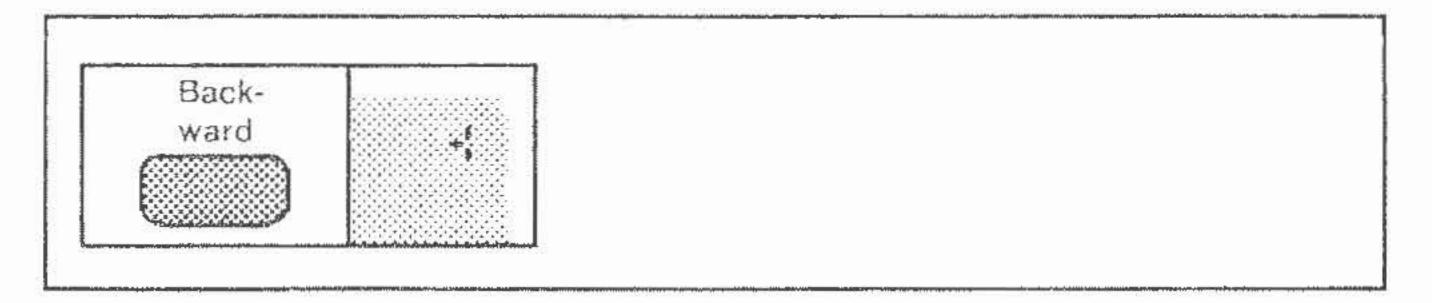
Switch on the tape by pressing key "TAPE ON/OFF". The display shows the last tape counter reading; some function keys are tape controls.



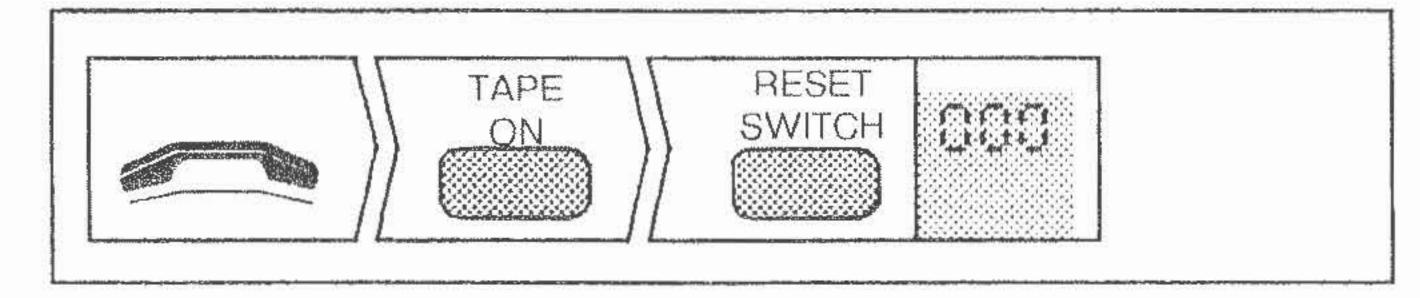
Forward



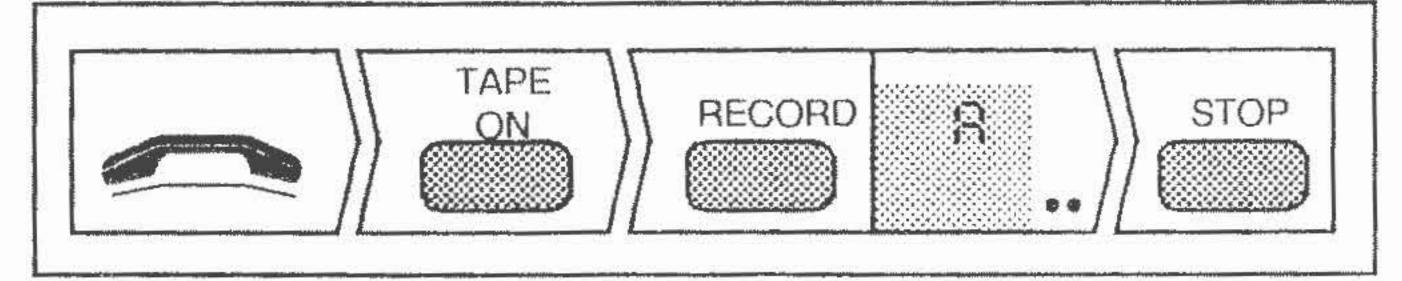
Backward



Resetting the tape counter

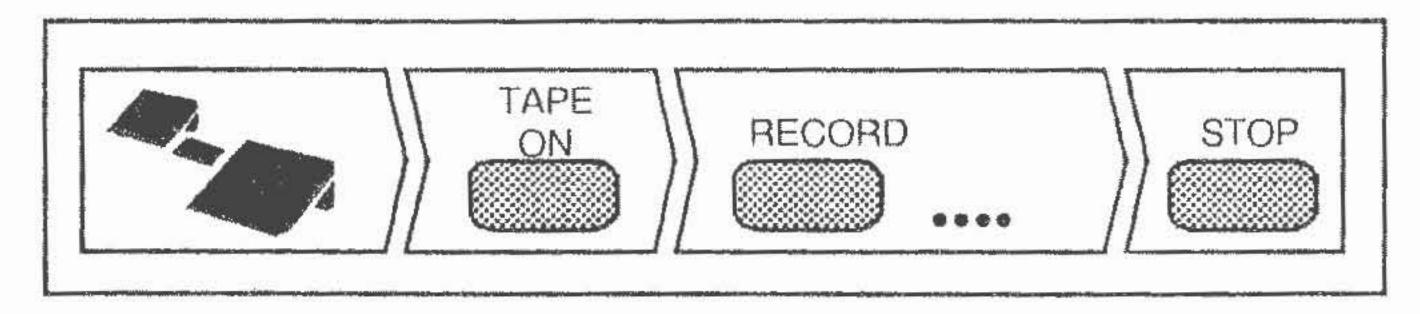


Use as dictation device



The tape can also be used as a dictation device. Switch on the tape, lift the handset and press "RECORD".

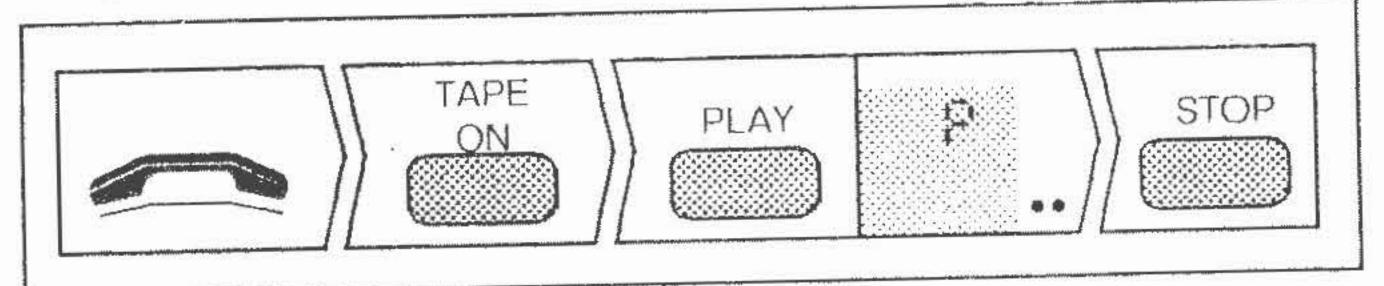
Recording telephone calls



Error indication on display

is provided for end of tape, no cassette inserted or power off.

Play



For this, press the "PLAY" key and lift the handset.

Clearing

Previous texts can be cleared simply be recording new texts, or pressing the "RECORD" key with cradled handset and the telephone function off.

Switching off the tape function

Press "STOP" to switch off the tape function connected each time. Press "TAPE OFF" to resume the regular telephone function: all the TK 92 features are again at your disposal.

Further supplementary units

List of headings

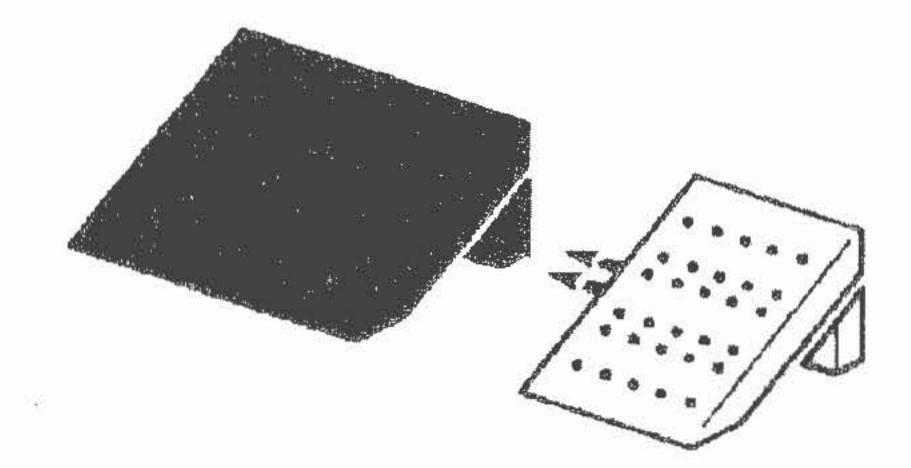
Headset and microphone

This unit permits you to make telephone calls without handset.

The DSS module

This is an optional extra with an expanded busy display panel.

The display on the DSS module lights steadily to indicate 'extension busy', and flashes on an external connection.



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List of headings

List of headings

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Internal parties



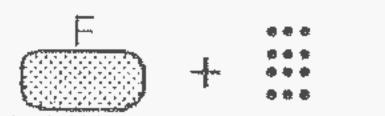
Speed-calling destinations 1st level

Name

Tel. No.

124	
125	
LZ 6	
LZ IO	
1212	

Internal parties



Speed-calling destinations 2nd level

Name

Tel. No.

Anna Mariota Mana	
174	
1.2.5	
1210	
Total Control	

General speed-calling destinations 10 - 39

Speed- calling No.	Name	Tel. No.
22		
24		



Speed- calling No.	Name	Tel. No.
26		
26		
35		
3.8		

General speed-calling destinations 40 - 69

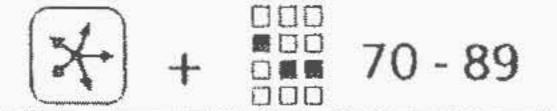
Speed- calling No.	Name	Tel.No.
40		



Speed- calling No.	Name	Tel. No.
56		
60		
52		
63		
64		
65		
66		
67		
6.0		

General speed-calling destinations 70 - 89

Speed- calling No.	Name	Tel. No.
70		
71		
72		
73		
74		
75		
7.6		
77		
78		
79		
80		
81		
82		
83		
84		



Speed- calling No.	Name	Tel.No.
85		
86		
87		
88		
89		