

KAREU 525

FEATURE TELEPHONE SET

TECHNICAL REFERENCE & USER'S GUIDE

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KAREL

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DECLARATION OF CONFORMITY

R&TTE-Directive: 1999/5/EC

Hereby, we:

Karel Electronics Corporation,

addressed : Organize Sanayi Bölgesi, Gazneliler Caddesi No:10 06935 Ankara, TURKEY

declare on our own responsibility, that the product:

Digital Phone,

ST SERIES

is in compliance with the provision of R&TTE directive 99/5/EC with requirements covering EN 55024 & EN 55022 of EMC directive 89/336/EEC and EN 60950 of Low Voltage directive 73/23/EEC.

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KAREL reserves the right to make modifications in product features specified in this document for development and improvement purposes without prior notice. The actual products may possess characteristics different from those that have been mentioned herein, due to software and hardware version differences.



Issues to Pay Attention to:

- Read this guide carefully before you use your device and keep it for later reference.
- Any mistake while making connections of your device may damage it, or even your exchange. Especially the connection to the exchange must be made by the Authorized Technical Services. The explanations regarding connections have been included in the user's guide for the sake of giving information only.
- A console connection box comes with your device. The connections must be made as described later in the guide, in the chapter regarding installation.
- In case you need a connection of plug-outlet type, never apply electric plugs and outlets; use plugs, outlets and connection components that are specific to telephones.
- Do not make any connection other than the CO connection of the KAREL telephone branch exchanges.
- There is no part that you can repair or maintain in your device; therefore, call the authorized technical service in case of any malfunction.
- Keep your device away from direct sunlight.
- Do not let any liquid spill on your device.
- Do the exterior cleaning of your device with a slightly moistened piece of cloth.
- Do not apply any chemicals for cleaning.
- Call your authorized reseller in case you would like to change the place of your device. Use its own packing to carry the device.

PREFACE

The chapters of this guide have been created in order to present detailed technical information to people who need technical-reference-based information about the ST25 Digital Telephone Sets and to give information regarding programming and use of that unit. By this way, one could grasp the abilities of the Telephone Sets, how it is to be operated in accordance with customer demands, and things that are supposed be done in order to operate the set in full performance.

The first chapter -"Structure of the telephone" – It contains technical information about hardware and software structures of the ST25 telephone sets. Information in this chapter, for which knowledge in mechanics, electricity and electronics may be prerequisite, aims to introduce the structure of the unit.

The second chapter – "Installation" – This chapter tells about the methods to follow regarding the installation. This chapter must definitely be read before the installation by the personnel who are to perform the installation of the telephone sets.

The third chapter – "Programming" – This chapter gives short information about the software characteristics, which would enrich functions of the ST25 Telephone Sets and which could be employed to meet daily communication needs of customers more comprehensively.

The fourth chapter - "Use"- It contains practical information regarding use of the telephone sets after they are programmed.

Best regards,

KΔRFI

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STRUCTURE OF THE TELEPHONE

INTRODUCTION

ST25 is a digital telephone set with 2-wire connection, which is special for the KAREL exchanges of DS series. It can be installed only on the digital extension cards of the KAREL DS-series exchanges.

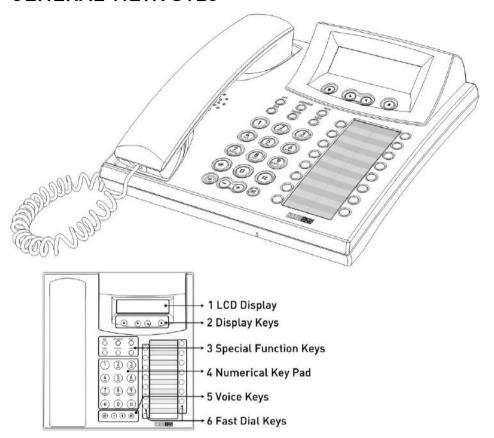
The ST25 telephones have been configured to handle quite comprehensive tasks in order to provide ease and flexibility for use with an LCD display, display control keys, 16 Fast dial keys, the special function keys and the handsfree (feature that allows talking without picking up the phone) control key. Detailed information about those units has been presented in later chapters.

The ST25 Telephone Sets have been designed to make use of several ISDN features that are available in the Euro ISDN standard, as well as to allow utilization of several features easily which are beyond the capability of analog telephones, thanks to its digital structure. Those features are:

- Viewing caller's number (CLIP)
- Blocking transmission of the number during calls (CLIR)
- Viewing caller's name (CNIP)
- Transmission of the number when the connection is established (CLOP)
- Blocking transmission of the number when the connection is established (CLOR)
- Forwarding the call unconditionally, on busy and in case of no reply (CFU, CFB, CFNR)
- Multiple subscriber numbering (MSN)
- Advice of Charge (AOC)
- Terminal portability (TP)
- Call waiting (CW)
- Direct dialing in (DDI)
- User to user signaling (UUS)
- Call hold (CH)
- Three-party conference
- Follow Me
- Completion of call on busy subscriber (CCBS)
- Completion of call on no reply (CCNR)
- Displaying of text-based messages from the line (DM)
- Multiple conference (applies for the DS200 exchange only)

The illustration below shows appearance and important functional units of the ST25 telephones.

GENERAL VIEW: ST25



TECHNICAL SPECIFICATIONS

Weight: 870 gr

Dimensions: Width: 217 mm, Length: 229 mm, Height:76 mm

Operating Temperature: 5- 40 °C Storage Temperature: -20 +60 °C

Humidity: 0- %80

Dialing Method: DTMF (Tone Dialing)

COMPATIBILITY

The ST25 digital telephone set can be installed on all versions of the EX200 (0/16UPN) digital extension cards of the DS200-series systems. That applies for the exchanges of the DS200 series with main software of version ABJ or later.

PARTS LIST ON DELIVERY

Parts that come within the package of the telephone set:

- The ST25 telephone set,
- Handset.
- Spiral cord for the handset,
- Line cable with RJ11 connectors at both ends.
- Console connection box.
- Technical Reference and User's Guide,
- Iris Explorer CD and cable

STRUCTURAL PARTS

LCD DISPLAY:



Information presentation display of ST25 is of 20 characters x 4 lines.

That display gives information to the user about the particular operation being carried out at the moment with respect to the mode the phone is being used. By this way, the user knows what s/he can do with the telephone at that instant and can easily choose any operation s/he pleases.

Below is the information about the messages echoed to the user on specific circumstances.

The following information appears on the display while the telephone is on hook:

- Date, time,
- User-Defined LCD message
- Entries to the menu options and to the phone book

If a call is not replied during normal operation of the phone, or if a call cannot be replied when the phone is busy while the Call Waiting feature is active, then those calls are displayed as "Missed Call". The information regarding the caller, date and time is also displayed alongside. The missed calls appear on the display until the user puts any of the features of the phone into operation. While the echo "Missed Call" is on the display, it is possible to access the call record information by the navigation keys, which can alternatively be accessed by the "Info" key. (See the features of the "Info" key for details.)

The following information is displayed while the telephone is off hook, according to the way it is used:

Waiting call information:

The user is informed through the following messages, if there are waiting calls while the phone is off hook.

CAMP ON x: Specifies that there are "x" calls waiting at the moment.

EXT xxxx: Specifies that the waiting call is from the extension "xxxx".

DIS xxxx: Specifies that the waiting call is from the line "xxxx".

Information regarding the busyness status of the called extension:

If a called extension is busy, the caller is given the information about the number with whom the called party is making conversation.

BUSY "number of the called extension" "the extension or line number with whom the called extension is making conversation"

Error information:

If the user has dialed a wrong code, then s/he is informed about the wrong operation through the ERROR message that appears on the display.

Information about the "Do not disturb" activation status of an extension:

If a called extension has activated the "Do not disturb" feature, the user is informed about the situation through the message below.

DO NOT DISTURB "number of the called extension"

Defective extension information:

If a called extension has been detected to be out of order at that moment, the user is informed about the situation through the message below.

FAILED EXT "number of the called extension"

DISPLAY KEYS:







These keys are located below the display and they play an important role in effective use of the telephone set.

- a call / conversation is being made
- the telephone is being programmed
- the telephone is on hook

are viewed through the display. In order to actualize those operations and/or access that information, the keys " \Re " or " \Re " or " \Re " are pressed according to the options on the display.

These keys are used to accept or decline the options presented to the user on the display at that moment, or they are used to access new options. Functions that are to be activated by those keys or titles of the information to be accessed are indicated on the display. Such an indication is actualized only if there is a function which the key is to execute, or information to which the key is to provide access. For instance, if there are not more than two options, the navigation keys ["\(\mathbb{K} \)", "\(\mathbb{K} \)"] do not work.

The "N" key is used to select options displayed on the LCD display. The two "N" keys that are below the display provide access to the options on the both sides or they allow to exit, as indicated on the display.

The "\$" and "\$" keys are used to proceed to the next or previous menu options. According to the "\$" and "\$" signs seen on the display, one proceeds by those keys.

The "Key is used to select, accept and confirm the options in the menu presented to the user on the display, above which there appears the pertaining message, is used as for the ST25. That key shall be referred as the "ACCEPT KEY" for the rest of this guide, for the sake of consistency.

As for the cases like declining an action presented to the user on the display, erasing something or exiting without performing any operation, the ""key, above which there appears the pertaining message. That key shall be referred as the "DELETE KEY" for the rest of this guide, for the sake of consistency.

SPECIAL FUNCTION KEYS:

info	phonebook	menu
hold	transfer	redial

"Info" Key:

The "Info" key performs two functions. When it is pressed while the phone is on hook, information pertaining to the calls that have been made is displayed. On the other hand, when it is pressed for a longer period (a short confirmation tone is heard immediately after it is pressed) during an ongoing call, the call is recorded.

How to access the call record information:

Upon pressing that key for a single time while the phone is on hook, the list of information pertaining to the last 10 calls and the last 10 incoming calls are displayed through the "" key. The last numbers called and the last incoming calls received are listed, one by one. The options displayed through that key have been explained below.

<u>Incoming calls:</u>

All incoming calls are saved on this list and the last 10 calls are displayed, including the information of date and time of their reception, and whether they have been replied or not. Information about the caller is also displayed, but the content of that information depends on the data received from the line.

- If the name data of the caller has been received from the line (CNIP), name is displayed directly.
- If the number data of the caller has been received from the line (CLIP), and if that number has already been stored in the phone book, together with a name associated with it, then that name is displayed.
- If the number data of the caller has been received from the line (CLIP), and if that number has not been stored in the phone book, then the number is displayed.
- If no data about the caller has been received from the line, then nothing is displayed.

That list, which contains 10 or less entries, has been sorted with respect to the dates the calls have been received. The last call received is the last entry on the list and it is displayed first when the list is accessed. At this stage:

- The other entries on the list can be viewed by making use of the navigation keys "** and "*** "
- One can proceed to the next list (last calls) by pressing the "Info" key again.
- The "🐒" key calls the number shown on the display at the moment.

Outgoing calls:

All the calls are stored into this list and the last 10 calls are listed here, together with the date and time they have been made. Besides, information about the caller is also displayed. If the called number has already been stored in the phone book, then the name that has been associated with it is displayed, else the number is displayed.

That list, which contains 10 or less entries, has been sorted with respect to the dates the calls have been made. The calls are logged into the list only when the connection has been established, i.e., the call attempts that have not been answered do not appear on the list. The last call is the first entry on the list and it is displayed first when the list is accessed. At this stage:

- The other entries on the list can be viewed by making use of the "" and "" keys.
- One can proceed to the next list (duration of the last call) by pressing the "Info" key again.
- The "" key calls the number shown on the display at the moment

Duration of the Last Call and the Cost Information, If Available:

Duration of the last call and the cost information_if it is logged_ are displayed on this screen. Proceeding from that screen, the next information to be displayed is the "Total duration of all calls".

Total Duration of All Calls and the Cost Information, If Available:

Total duration of all calls and the total cost information_if it is logged_ are displayed on this screen. It is possible to reset the total duration or the cost displayed here, by accessing the "Security" option through the programming menus. One can proceed to the "Message Records" information after that screen.

Text Message Records:

The list of the last 10 short text message that have been received or sent can be viewed on this screen. Those text messages are displayed one by one through the "®" and "®" keys and they can be read through the accept key. One can proceed to the first list [The Last Incoming Calls] after that screen.

Conversation Recording:

During an ongoing call, if the user presses the Info key until the confirmation signal with double tones is heard (long press), then recording of the conversation by the system begins. It suffices just to press the key in the same way to stop the recording. Besides, if the call is terminated while the recording is going on, the recording is also terminated automatically. (Note: Availability of the call recording service depends on the configuration of the exchange and the authorization level of the user.)

Missed Calls:

The missed calls appear on the display of the telephone until the user puts any of the features of the phone into use. The "Missed call" message is displayed when the user does not answer a call, or fails to answer it when the call request is received while the user is busy. While the echo "Missed Call" appears on the display, one can access the call record information by making use of the navigation keys, which can alternatively be accessed by the "Info" key.

"Phone Book" Key

The list containing the names and the telephone numbers, which is created through the "Menu"-->"Phone Book" option, is accessed through that key. Thanks to that key, the records on the list can be queried easily. How to enter name and number records through the "Phone Book" option in the main menu has been explained in detail in the pertaining chapter.

Moreover, if the key is pressed for a long while, records can be entered into the phone book. Details related to data entry into the phone book have been explained later in the quide.

"Menu" Key

It is used to do the entire settings related to the telephone. The menu is accessed by pressing this key. The entire main menus and then submenus can be accessed and one can proceed by making use of the navigation keys, when necessary.

Once the menu is accessed, the telephone gets into busy status and remains so until the menu is exited.

"Hold" Key

It is employed for putting the party on hold, with which a conversation is going on during an internal or external call. Three calls can be put on hold like that.

If the key is pressed when the phone is idle and there are calls on hold at the moment, then the call that has been put on hold first is retrieved.

While there are 3 calls on hold, if one wishes to put the fourth ongoing call on hold, then the first call that has been put on hold is retrieved and gets into conversation status and, in the meantime, the fourth call gets on hold.

When a call is initiated, if that key is pressed before the called party answers, the line is dropped.

If the call on hold is not retrieved within a time period that has been determined depending on the software of the exchange, the user is notified 4 times in 15-second intervals. The call is dropped automatically after the last notification, unless it is retrieved.

"Transfer" Key

When there is one call on hold and another on a conversation, this key is used to transfer the ongoing call to the call on hold.

"Redial" Key

The Redial key has three functions depending on the situation it is employed:

How to call again the last number called:

If this key is pressed when the phone is idle, the last number (internal or external) that has been called is called, again. The call can be made by using handsfree feature, if the phone is on hook. It can be employed while receiving busy tone or dial tone.

How to initiate a three-party conference:

The redial key can be used to hold a conference, as well. When there is an ongoing call and another one on hold, a conference including three parties is initiated upon pressing that key.

How to initiate a multiple conference:

The redial key can also be used likewise to initiate a multiple conference (Applies only for the DS200 system.) The user is supposed to follow the procedure below, in order to initiate a multiple conference and include new participants:

S/he:

- 1) Should make the first call and a conversation should begin.
- 2) Should press the Redial key and then the Hold key.
- 3) Should make the second call and the second conversation should begin.
- 4) Should press the Redial key.
 - At this stage, the conference will have started and three parties will be making conversation. In order to include another participant afterwards, s/he:
- 5) Should press the Hold key.
- 6) Should call the new participant-to-be and start a conversation with that party.
- 7) Should press the Redial key.

The conference can be extended to include 32 participants, by repeating the steps 5, 6 and 7 (32 is the highest possible number of participants, provided that no other multiple conference is being managed by the DS200 exchange at that moment.) At any of the stages, if the called party is busy, dial tone is received upon pressing the call termination key and the user can call another party and include in the conference, or go back to the conference by pressing the Redial key.

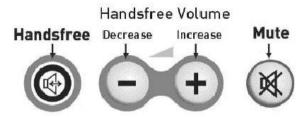
NUMERICAL KEYPAD:

It is composed of a 3x4 key matrix. These keys can be employed for entering numbers or characters (letter, numeral or symbol) regarding operations pertaining to the "Phone Book", as well as they can be used as standard keypad to dial numbers during calls. Grouping of the characters with respect to the keys are as follows. The standard of the grouping complies with the standards that apply for similar applications.

"♥": (space) + - / 1 : ; < = > ?	(respectively)
" ⊗ ": ABCÇ2abcç	(respectively)
" ※ ": D E F 3 d e f	(respectively)
"◉": G Ḡ H I i 4 g h ı i	(respectively)
"⋘": JKL5jkl	(respectively)
"◉": MNOÖ6mnoö	(respectively)
"⊗": PQRS\$7pqrs\$	(respectively)
"⋘": TUÜV8tuüv	(respectively)
"∭": WXYZ9wxyz	(respectively)
"◉":!"\$%0&'(),.	(respectively)

VOICE KEYS:

Control of voice features of the ST25 telephone sets are done by using 4 keys:





(Handsfree: The situation that allows the telephone to emit voice of the opposite party and transfer voice of the user to the opposite party while the phone is still on hook, thus making the conversation possible without use the handset.)

It is the key with the red icon, which puts the telephone into "handsfree" mode and signifies that through a LED embedded in it. That key is called the H/F key, and the LED in it the H/F LED.

Thanks to the handsfree feature, "half-duplex" voice communication can be established through a speaker and a microphone present on the telephone. In the event of an incoming call request, the call can be answered in the handsfree mode by pressing that key.

Pressing that key during an incoming or outgoing call, which has been established in handsfree mode, terminates all of the ongoing connections.

The key can be employed for different functions in different situations, as well. Those functions are:

- When it is pressed while the handset is on hook, the telephone is switched on in "handsfree" mode and the H/F LED lights up. In that case, a number can be dialed and a conversation can be made without lifting the handset. Pressing the key during a call terminates the call.
- When the handset is lifted during a conversation in "handsfree" mode, the conversation can go on through the handset. Replacing the handset terminates the call.
- When the key is pressed twice consecutively while the handset is in use, the "Group Announcement" mode is activated. In that mode, voices of both parties are emitted from speakers while the conversation continues through the handset. Replacing the handset in that situation terminates the call. Pressing that key again puts the phone into "handsfree mode".

As for the connections established in "handsfree" mode, the conversation can continue normally by lifting the handset.

"**⋈**" Key:

It is used to turn down the level of voice received during a conversation in Handsfree or normal mode.



It is used to turn up the level of voice received during a conversation in Handsfree or normal mode.



It is the key with the black icon, which allows the outgoing voices to be muted during a conversation and signifies that via a LED embedded in it. Pressing the key again when the voice has already been muted resumes the voice transmission to the opposite party.

FAST DIAL KEYS:



Each of the 16 keys in this group is used to activate any two of the operations by a single key, which have been stored in the memory.

Two different operations can be assigned to each key. That assignment can be realized by associating the telephone numbers or the exchange service codes, which have been defined in the "Phone Book" menu, with the desired key through the "Associate" option. During that association, an assignment to the first or the second function of the key can be done.

It suffices to press the key for a short while (single, short beep) to assign to the first function

The key should be pressed for a longer while (second, double-tone confirmation signal) to assign to the second function.

Sub-options in the phone book have been explained in detail later in the guide.

It has been intended to make it possible to put incoming and outgoing calls on hold and retrieve them through the Speed Dial (SD) keys of the ST25. Only the first functions of the Fast dial keys can be employed for that purpose. Operations regarding incoming and outgoing calls and other situations in general have been explained below, which can be performed by the Fast dial keys of the ST25.

Outgoing Call Controls:

- If an FD key, to which a phone number has previously been stored is pressed, then a call to that number is initiated.
- If that same key is pressed during the conversation, the call is put on hold.
 - The phone reverts to on hook mode in the meantime and all the functions available in that mode can be employed. The entire calls on hold are retrieved one by one in a row, if the "Hold" key is pressed.
- A call that has been put on hold can be retrieved by pressing the pertaining FD key.

- A call made to a number that has not been stored on any FD key is assigned to the first vacant FD key (the lowermost key on the right is assumed as the first), if available, and call hold and retrieval operations are performed through that key.
- If an FD key, to which no assignment has been done, is pressed for a short while, then the dial tone is received and the new call is assigned to that key. Call hold and retrieval operations pertaining to that call are done through that key.

Incoming Call Controls:

- If an incoming call request is from a number that has been stored in the first function of one of the FD keys, then the call is assigned to that key and call hold and retrieval operations pertaining to that call are done through that key.
- If an incoming call request is not from a number that has been stored in the first function of one of the FD keys, then the call is assigned to the first vacant FD key and call hold and retrieval operations pertaining to that call are done through that key.

General Controls:

- The calls on hold do not terminate as soon as the telephone is hung up by handset or the "H/F" key. If the call on hold is not retrieved within a time period depending on the software of the exchange, the user is notified 4 times in 15second intervals. The call is dropped automatically after the last notification, unless it is retrieved.
- If an outgoing or incoming call has not been stored in the first function of any
 of the FD keys, and if there is no vacant FD key available, then the call cannot
 be assigned to any FD key, call hold and retrieval operations can be done
 through the "Park" key only.

Busy Extension Number Reminder Feature:

- 1. While transferring the call on hold to another extension, if the extension, to which the call is to be transferred is busy, then the number of the busy extension is appended to the last call on hold. When the call on hold is retrieved, the information regarding the number, to which it has been attempted to be transferred, appears in the first line of the display as "Last Call XXXX".
- 2. If the busyness of the extension is over, who has been registered as busy while the call was on hold, then the information notifying the end of busyness appears in the first line of the display as "Available XXXX".
- 3. Logs of all calls are taken separately. For example, when a busy extension is called while there is a call on hold, then that extension's number is appended to the one on hold. Then, if a second call is made and put on hold and if another busy extension is called, then record of that number is appended to the second one.

FD KEY LED INFORMATION

The Fast dial keys of ST25 telephones visually indicate statuses of the features assigned to them, thanks to the two-colored LEDs embedded in them.

Changes in statuses of the LEDs on the ST25 according to the statuses of extensions and lines have been shown below.

Led status of an FD key, to which a phone number has not been assigned, in case it is assigned to a normal call:

Status	Green LED
Not used	Off
Busy	On
Parked	Blinks fast

Led status of an FD key, to which an extension number has been assigned:

Extension Status (Determined by you)	Green LED	Extension Status (Determined by someone else)	Red LED
Available	Off	Available	Off
Busy	On	Busy	On
Ringing	Blinks	Ringing	Blinks
Parked	Blinks fast	Parked	On

Led status of an FD key, to which a line number has been assigned:

Line Status (Determined by you)	Green LED	Line Status (Determined by someone else)	Red LED
Available	Off	Available	Off
Busy	On	Busy	On
		Call request received	Blinks
Parked	Blinks fast	Parked	Blinks fast
Line (General)		·	
Out of service	LED off	Out of service	LED off

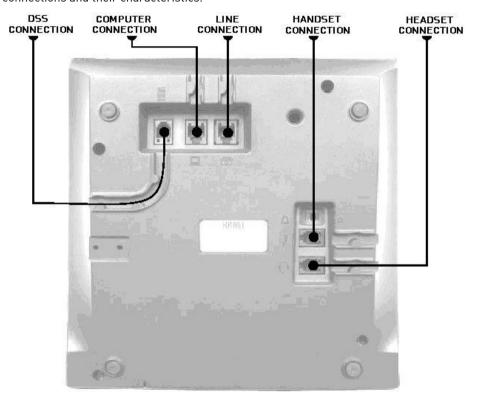
Led status of an FD key, to which an MSN number has been assigned:

Red LED status	
MSN number is transmitted as CLIP information	LED on
MSN number is not transmitted as CLIP information	LED off

INSTALLATION

CONNECTION POINTS

There are 5 connection points on the bottom of the ST25. The picture below shows those connections and their characteristics.



DSS CONNECTION: "Digital Direct Access Unit" connection point

COMPUTER CONNECTION: The connection point required for controlling the

ST25 over a computer. It is used for the Iris

Explorer application.

LINE CONNECTION: Line connection point of the ST25

HANDSET CONNECTION: Handset connection point

HEADSET CONNECTION: It is used to connect an optional headset to the

telephone. The standard headset can be obtained

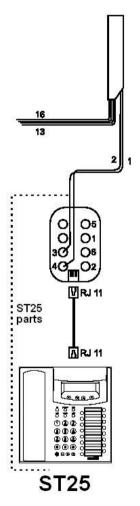
from KAREL.

LINE CONNECTION

The ST25 is a digital telephone set which, due to its structure, requires 2-wire connection. Parts list of ST25 includes the necessary cable group that is required for connecting it to the exchange. That cable group includes a console connection box and a cable with RJ11 jacks at both ends.

Wires of a cable extending from a digital-extension card of a DS-series exchange are separated in groups of two, with respect to the order. The cables in groups of two are connected disregarding the direction of the connection points 3 and 4 of the RJ11. Only a single ST25 can be connected to each of the groups of two.

The ST25 cannot be connected to two-wire interfaces of exchanges of other brands.



HOW TO DEFINE EXTENSION NUMBERS

The "MSN" option, which is accessed through the "Menu" option, is used to define extension numbers for the ST25 feature telephone set. The ST25 rings only upon calls made to phone numbers defined for it by the MSN menu. Call requests to other numbers are declined automatically.

How to define numbers through the "MSN" menu has been explained in the next chapter.

MENU STRUCTURE

The user can access several options within the menu structure of the telephone by using the MENU key. Programming mode can be started by that key when the telephone is idle. The telephone becomes busy in the programming mode.

The programming features consist of 7 main menus and their submenus.

Main menu titles:

- PHONE BOOK
- RINGER
- MESSAGES
- SERVICES
- SECURITY
- SETTINGS
- MSN

The submenus that can be accessed over the main menu titles and their functions have been explained below in detail:

PHONF BOOK

Submenu titles:

- ADD
 - Name
 - o No
 - Position
- EDIT
- ERASE
- ERASE ALL
- ASSOCIATE
 - o Choose an FD button
- DISSOCIATE
 - Choose an FD button

A phone book that consists of 70 records in total can be created through the phone book menu. The "Phonebook" key on the telephone set acts like a shortcut to those records. However, no changes can be made on the phone records accessed by this way.

At most 16 characters are allowed for names to be entered into the phone book, and at most 18 characters for numbers.

The numerical keypad is used to enter names in any of the menus included within the phone book main menu. The characters contained by those keys have been explained in the section "Numerical Keypad".

The display cursor blinks to prompt for letters (for names or messages.) The corresponding key is pressed consecutively until the desired letter appears on the display. In order to type the next letter, the key containing that letter is pressed as many times as necessary. If two letters to be typed consecutively are on the same key, then one waits for two seconds after typing the first letter for the cursor to proceed to the next digit, or the display cursor is shifted one digit right without any pause by pressing the "** key.

EXAMPLE: In order to type "KAREL", one is supposed to press the key "5" twice, the key "2" once, the key "7" three times, the key "3" twice, the key "5" three times. The writing KAREL is confirmed by the accept key and one proceeds to the next screen.

While typing letters or numerals on the display, the character at the previous digit can be deleted by pressing the delete key. Alternatively, a letter or numeral can be deleted by moving the cursor onto it by using the "Key, and then pressing the delete key.

ADD

The user can record entries to the phone book by using this menu. To record entries to the phone book:

- 1) The Add menu is accessed.
- 2) The "Name:" field appears on the display.
- 3) A name is entered by using the """ keys, the delete key and the numerical keypad.
- 4) The accept key is pressed.
- 5) The "Number:" field appears on the display.
- 6) A number is entered by using the """, """ keys, the delete key and the numerical keypad.
- 7) The accept key is pressed.
- 8) The echo "Position: / x>Empty" appears on the display. (x is the number of the first vacant field in the phone book.)
- 9) Number of the desired position is selected by the navigation keys "** and "**. No action is taken if the displayed position number is appropriate.
- 10) The accept key is pressed.

Recording of the new entry is thus completed.

During the number entry, a delay period can be entered between two consecutive digits by employing the # key. Thanks to that delay time, the digits following the delay period are allowed to be transmitted after the opposite party answers the call. That feature can be employed for dialing the extension number automatically as well, while calling places where ACD application is available.

For example: If 92340040#165 is entered, then, while this number is being called over the phone book, first the external number 2340040 is called and after the opposite party answers, the extension number 165 is dialed, thus providing direct access to the extension 165.

If one of the FD keys is pressed for a short or long while instead of the accept key during position selection, then the desired number is stored on the first or second function of that FD key, hence, facilitating call making.

At this point the telephone returns to the "Name" prompt screen for a new entry.

The exchange service codes can be stored in the phone book through the Add menu, as well as phone numbers. For instance, if the user 1111 wishes to store the follow me service to the extension 1112 into the phone book (that record can be assigned to an FD key afterwards, thus making the forwarding operation possible through a single key), then s/he is supposed to enter 851112 into the number field during recording. ("85" is the factory default "Follow Me" code.)

EDIT

Changes can be made in phone book records by this menu.

To accomplish that:

- The Edit menu is accessed.
- 2) The first record in the phone book is displayed.
- 3) The record to be edited is searched by scrolling through the "*" and "*" keys.
- 4) The accept key is pressed.
- 5) Name field of the selected record is displayed.
- 6) If a change is to be made in the Name field, then a new name is entered by using the """, """ keys, the delete key and the numerical keypad. If, on the other hand, no change is to be made in the Name field, then no action is taken.
- 7) The accept key is pressed.
- 8) Number field of the selected record is displayed.
- 9) If a change is to be made in the Number field, then a new number is entered by using the """, """ keys, the delete key and the numerical keypad. If, on the other hand, no change is to be made in the Number field, then no action is taken.
- 10) The accept key is pressed.
- 11) Position field of the selected record is displayed.
- 12) If a change is to be made in the Position field, then the desired position is selected by the "", "" keys. If, on the other hand, no change is to be made in the Position field, then no action is taken.
- 13) The accept key is pressed.

The selected record is thus changed.

ERASE

A record in the phone book can be deleted through this menu.

To do that:

- The Delete menu is accessed.
- 2) The first record in the phone book is displayed.
- 3) The record to be deleted is found by the " \mathfrak{G} " and " \mathfrak{G} " keys.
- 4) The accept key is pressed.

The selected record is thus deleted.

ERASE ALL

The entire records in the phone book are automatically deleted upon accessing this menu.

ASSOCIATE

By making use of this menu, the user can assign the phone numbers or the service codes of the exchange, which have been stored in the phone book, to an FD key.

If there is a DSS25-28 module connected to the ST25, then assignments can be done to the FD keys of that module through this menu, as well as assignments to the first and second functions of 16 FD keys on the ST25.

In order to associate:

- 1) The Associate menu is accessed.
- 2) The first record in the phone book is displayed.
- 3) The record to be assigned to an FD key is searched by the " $rak{f w}$ " and " $rak{f w}$ " keys.
- 4) The accept key is pressed.
- 5) The prompt "Choose an FD button" is displayed.
- 6) The desired FD key is pressed.

The selected record is thus assigned to the pertaining FD key.

If an assignment to an FD key on the ST25 is to be done, then, in that case, different assignments can be done to the first or second function of the key by pressing the key for a short or long while.

If an assignment to an FD key on the DSS25-28 is to be done, then, since the key has a single function, only a single assignment can be done to the key by pressing it for a short while

DISSOCIATE

The user can cancel the numbers through this menu, which s/he has previously assigned to the Fast dial keys.

In order to do that:

- 1) "Dissociate" menu is accessed.
- 2) The accept key is pressed.
- 3) The prompt "Choose an FD button" is displayed.
- 4) The FD key to be dissociated is pressed.

The number that has previously been assigned to the FD key is thus deleted.

Cases resulting in error that could be encountered during the Phone Book operations:

- The entire submenus are displayed while the phone book is empty; however, the echo "Phone book is empty" is displayed for all, except the "Add" menu.
- When the "Add" menu is accessed while the phone book is full, the echo "Phone book is full" is displayed.
- Upon pressing the accept key without entering any letters or after the entire letters
 that have been entered is deleted, one observes that a number and a name seems
 to be recorded at the vacant position in the phone book. However, that position
 remains null, for no data has actually been entered.
- Names made up of at most 16 characters can be entered into the phone book. In
 case one attempts to enter further characters, error tone is received. That limit is
 18 characters for numbers, beyond which error tone is received.

RINGER

Submenu titles:

- VOLUME
- PITCH
 - o MSN number
- MELODY EDITOR

Ringer sound volume level and pitchs for the ST25 can be selected through this menu. Besides, the user can create her/his own pitch and employ it as ringer sound.

VOLUME

Ringer sound volume level can be determined through this menu. In order to do that:

- 1) The Volume menu is accessed.
- 2) The echo "Level: x" is displayed (x is the current volume level at the moment.)
- 3) By using the navigation keys "" and "", desired volume level is selected within the range 0-12.
- 4) The accept key is pressed.

The ringer sound volume level is thus selected.

PITCH

Through this menu, the pitch upon call requests to each MSN number, which has been defined for the telephone, is determined for each MSN number (MSN number is the telephone's own number.) For this purpose:

- 1) The pitch menu is accessed.
- 2) The echo "MSN / 1: xxxx" is displayed. (xxxx is the MSN number that occupies the first field.)
- 3) By using the navigation keys "** and "**, the MSN assignment, for which a new pitch is to be defined is selected out of 8 alternatives, and displayed.
- 4) The accept key is pressed.
- 5) The echo "Pitch: x" is displayed. (x is the pitch number that has previously been defined for the selected MSN field.)
- 6) By using the navigation keys "" and "", desired pitch is selected out of 10 alternatives. As the pitch selection change, the new pitch is played to let the user listen.
- 7) The accept key is pressed.

A new pitch for the selected MSN number is thus determined.

MELODY COMPOSER

The user can create her/his own pitch upon wish through this menu and can employ it as the normal pitch. The pitch defined through this menu is stored in the telephone's memory as the pitch "10".

In order to create a new pitch:

- 1) The melody composer menu is accessed.
- 2) Data entered for the pitch that has previously been defined is displayed. (This is numerical data)
- 3) The new melody is entered by deleting or modifying the old one by making use of the table below.
- 4) The accept key is pressed.

Pitch 10 is recorded as the newly defined pitch now.

Fields starting with the letters F and T can be seen on the display while using the Melody Composer. There are 30 such fields. That means, a melody of at most 30 notes is allowed to be defined.

F is the digital equivalent of the note to be used, and T is the digital equivalent of the duration of the note. The tables below show the notes that can be used in the field F and their digital equivalents, and the durations that can be used in the field T and their digital equivalents.

Table of notes: (For countries that use letter system: Do=C, Re=D, Mi=E, Fa=F, Sol=G, La=A, Ti=B)

Note Value	Note	Note Value	Note	Note Value	Note	Note Value	Note
037	Do3	049	Do4	061	Do5	073	Do6
038	Do#3/Reb3	050	Do#4/Reb4	062	Do#5/Reb5	074	Do#6/Reb6
039	Re3	051	Re4	063	Re5	075	Re6
040	Re#3/Mib3	052	Re#4/Mib4	064	Re#5/Mib5	076	Re#6/Mib6
041	Mi3	053	Mi4	065	Mi5	077	Mi6
042	Fa3	054	Fa4	066	Fa5	078	Fa6
043	Fa#3/Solb3	055	Fa#4/Solb4	067	Fa#5/Solb5	079	Fa#6/Solb6
044	Sol3	056	Sol4	068	Sol5	080	Sol6
045	Sol#3/Lab3	057	Sol#4/Lab4	069	Sol#5/Lab5	081	Sol#6/Lab6
046	La3	058	La4	070	La5	082	La6
047	La#3/Sib3	059	La#4/Sib4	071	La#5/Sib5	083	La#6/Sib6
048	Ti3	060	Ti4	072	Si5	084	Ti6

[&]quot;201" is supposed to be entered into the field F in order to insert rests among notes.

Duration table:

Duration Value	Duration (in msec)		
000	0		
001	10		
002	20		
003	30		
004	40		
005	50		
006	60		
100	1000		
101	1010		
253	2530		
254	2540		
255	END		

Entering 255 into any duration field completes the melody. Any value to be entered into next fields from then on is ignored.

MESSAGES

Suhmenu titles

- LAST MESSAGES
- SAVED MESSAGES
- NEW MESSAGE

Thanks to the Messages menu, short text message services of the telephone can be accessed. New messages can be created and sent or some messages can be stored to be used as standard templates, as well as sent and received messages can be viewed, through this menu.

When a message is received by the ST25, the incoming message notification is displayed until the accept key is pressed. The message can be read once the accept key is pressed. Then, the display is cleared by the Save key.

Short messages typed through the ST25 can be sent to other ST25 users or to the Iris (ISDN telephone set) users.

LAST MESSAGES

Last 10 incoming or outgoing short text messages can be viewed by this menu.

In order to do that:

- 1) The last messages menu is accessed.
- 2) The last message received is displayed.
- 3) Received messages are displayed one by one by using the navigation keys "** and "**. Then, sent messages are likewise displayed through the navigation keys.
- 4) Any desired message is read by pressing the accept key when it is highlighted.

Received and sent messages are distinguished by the direction of the arrow sign located next to the message number.

Sent messages are displayed like this:

and received messages:

SAVED MESSAGES

This menu is used to send a message, which has been stored in the memory to another address (number). The saved message can be modified at will.

In order to do that:

- 1) The saved messages menu is accessed.
- 2) The first message that has been stored in the memory is displayed.
- 3) The message to be used or modified out of the 10 that have been saved is displayed by using the navigation keys "** and "**.
- 4) The accept key is pressed.
- 5) Modifications can be made in the message upon wish by using the standard keypad, the navigation keys "" and "", and the delete key.
- 6) The accept key is pressed.
- 7) The phone number, to which the message is to be sent is typed.
- 8) The accept key is pressed.

The message is thus sent.

NEW MESSAGE

A new message is typed and sent to a desired address (number) through this menu. Length of the new message is restricted to at most 40 characters. In order to type a new message and send it:

- 1) The new message menu is accessed.
- 2) The new message is typed by using the standard keypad, the navigation keys "" and """, and the delete key.
- 3) The accept key is pressed.
- 4) The phone number, to which the message is to be sent is typed.
- 5) The accept key is pressed.
- 6) The message is thus sent.

SERVICES

Submenu titles:

- FOLLOW ME
 - Unconditional
 - If busy
 - If no reply
- CLIR
 - o Activate?
 - Deactivate
- COLR
 - o Activate?
 - Deactivate
- UNIT COST
- CURRENCY UNIT
- CALL WAITING
- AUTO REPLY
 - Activate?
 - Deactivate
- MUSIC LISTENING
 - o Activate?
 - Deactivate
- VOICE MESSAGE
 - Choose an FD button
- CALL PARK
 - Choose an FD button

FOLLOW ME

It allows incoming calls to be forwarded to a desired telephone on different situations. In order to forward calls:

- 1) The follow me menu is accessed.
- 2) The echo "Unconditional" is displayed.
- 3) The forwarding type is determined to be one of the alternatives "Unconditional", "If busy" and "If no reply", by using the navigation keys "**
 and "***."
- 4) The accept key is pressed.
- 5) The accept key is pressed again, in order to activate the feature.
- 6) The MSN number to be active for forwarding is selected by using the navigation keys "** and "***.
- 7) The accept key is pressed.
- 8) The number, to which forwarding is to be done is entered.
- 9) The accept key is pressed.

Follow me is thus active now.

Follow Me works as explained below, depending on the type selected.

Unconditional: Incoming calls are unconditionally forwarded to the number to be defined.

If busy: Incoming calls are forwarded to the number to be defined, if the phone is busy.

If no reply: Incoming calls are forwarded to the number to be defined, if the call is not answered although the phone has rung three times.

Upon selecting one of the cases above, confirmation is expected for the forwarding to be activated. In that case, if follow me has previously been activated, then it can be deactivated through the "Deactivate" option.

CLIR

It determines whether or not the CLIP information is to be transmitted to the called party on calls. In order not to be transmitted:

- 1) The CLIR menu is accessed.
- 2) The echo "Activate?" is displayed.
- 3) The accept key is pressed.

CLIP information is not transmitted on calls to be made, now. It suffices to follow the same steps, in order to cancel. Deactivate option is displayed at the second step, while the service is active.

COLR

It determines whether or not the "connected number" information is transmitted to the calling party on all incoming calls. In order not to be transmitted:

- 1) The COLR menu is accessed.
- 2) The echo "Activate?" is displayed.
- The accept key is pressed.

"Connected number" information is not transmitted on incoming calls, now. It suffices to follow the same steps, in order to cancel. Deactivate option is displayed at the second step, while the service is active.

UNIT COST

If the pulse price information is received over the line, it determines the unit price, with which the total pulse price is to be multiplied in order to calculate the cost of calls made.

In order to determine the unit cost.

The unit cost menu is accessed.

- 1) Previously defined unit cost appears on the display.
- 2) The current information can be deleted by the "*" key.
- Desired unit cost is typed in the format: Two digits, #, two digits, by using the standard keypad.
- 4) The accept key is pressed.

The unit cost information becomes significant in connection with the Currency Unit menu that has been explained below.

For TL:

TT#00

TT= Integer part 00= exponent part (at most 6) Example: 2500→25#02 (25 x 100=2500) 45000→45#03 (45 x 1000= 45000)

For Other Currencies:

TT#00

TT= Integer part 00= Decimal part Example: $25,04 \rightarrow 25\#04$ $25,3 \rightarrow 25\#30$

CURRENCY UNIT

It determines the currency unit of the cost information.

In order to determine the currency unit:

- 1) The currency unit menu is accessed.
- 2) Previously defined currency unit appears on the display.
- 3) The value that has previously been entered can be deleted by the "" key.
- 4) The new currency unit is entered by using the standard keypad and characters.
- 5) The accept key is pressed.

The currency unit is thus determined.

CALL WAITING

Upon activating the call waiting notification through this menu, the calling party receives dial tone, instead of busy tone, on call requests received while the phone is busy. In the meantime, the ongoing call can be terminated or put on hold, and the new incoming call can be answered upon wish.

In order to activate the call waiting notification:

- 1) The call waiting menu is accessed.
- 2) The echo "Activate?" is displayed.
- 3) The accept key is pressed.

It suffices to follow the same steps, in order to cancel. In that case, Deactivate option is displayed at the second step.

After deactivating the feature, the calling party receives busy tone on call requests received while the phone is busy.

AUTO REPLY

After activating the auto reply feature, the phone rings once on incoming calls, and then it answers the call automatically in handsfree mode and allows a duplex call to be carried out

In order to activate the auto reply feature:

- The auto reply menu is accessed.
- 2) The echo "Activate?" is displayed.
- 3) The accept key is pressed.

It suffices to follow the same steps, in order to cancel. In that case, Deactivate option is displayed at the second step.

After deactivating the feature, the phone rings on incoming call requests until it is answered or the calling party hangs up.

MUSIC LISTENING

Through this menu, the telephone is allowed to broadcast background music of the exchange in handsfree mode, while it is idle.

In order to initiate broadcasting of the music:

- 1) The music listening menu is accessed.
- 2) The echo "Activate?" is displayed.
- 3) The accept key is pressed.

After a while following the activation of music listening mode, the telephone gets into HF mode and begins broadcasting the music available in the system at the moment. The echo "Music Listening" appears on the display in the meantime. If the user wishes to make a call or a call request is received in music listening mode, the broadcast is automatically halted and the phone shifts to normal service mode. The music broadcasting resumes after the call is over.

It suffices to follow the same steps, in order to cancel. In that case, Deactivate option is displayed at the second step.

VOICE MESSAGE

If there is a voice mail left for the user, the voice mail key signifies it by its blinking LED. The user can listen to the entire new messages by lifting the handset and pressing that key for a short while. If the key is pressed for long time, then the entire messages, new or old, are played back in that case.

In order to define a voice mail key:

- 1) The voice message menu is accessed.
- 2) The echo "Choose an FD button" is displayed.
- 3) An FD key is pressed.

The voice mail key is thus assigned.

CALL PARK

If this key is pressed during a phone conversation, then the call is parked. If there is a call on park, it can be retrieved by pressing this key. It is possible to park several calls by making use of a line park key.

In order to define a call park key:

- 1) The call park menu is accessed.
- 2) The echo "Choose an FD button" is displayed.
- 3) An FD key is pressed.

A call park key is thus assigned.

SFCURITY

Submenu titles:

- PASSWORD
- LOCK
- DURATION
 - Set limit
 - Display limit
 - Reset
- CHARGE
 - o Set limit
 - Display limit
 - Reset
- FACTORY RESET

This menu allows security settings for the ST25 telephone sets to be done. Moreover, submenus within this menu allow telephone usage to be restricted. Telephone duration limit, charge limit or direct call authorization can be locked through programming. Unless direct call authorization is unlocked by entering the required password, the user is not permitted to make direct calls. There is no restriction, however, for incoming calls.

In the event that wrong password is entered three times while the telephone is locked, the telephone requests the service code, which is a longer password. The telephone remains locked until that password is entered. In that case, technical service personnel can unlock it by entering a special code.

PASSWORD

It allows the password to be changed, which is to be used to unlock the telephone. The telephone can be locked through the "Lock" submenu, or as a result of exceeding the duration or charge limit. Factory default value of the password is "123".

In order to change password:

- 1) The password menu is accessed.
- 2) The echo "Password" is displayed.
- 3) Current password is typed. (In case a wrong password is typed, the echo "Wrong Password" is displayed and the menu is exited.)
- 4) The accept key is pressed.
- 5) If the password has been entered correctly, the echo that prompts for a new password is displayed.
- 6) The new password is typed.
- 7) The accept key is pressed.

- 8) The new password is prompted again.
- 9) The new password is typed again.
- 10) The accept key is pressed.
- 11) The operation is accomplished, if the two new passwords that have been entered in the two steps are identical. The echo "Password rejected" is displayed, if the two passwords do not match, and the menu is exited.

Length of the password may be 3 to 6 digits and may include the keys "#" and "*". While the password is defined or typed, the characters are displayed as star signs.

LOCK

The telephone can be locked for calls through this menu.

In order to lock the telephone:

- 1) The Lock menu is accessed.
- 2) Password prompt is displayed.
- 3) Current password is dialed.
- 4) The accept key is pressed. The operation is accomplished, if the password is entered correctly. Otherwise, the echo "Wrong Password" is displayed and the menu is exited.

No calls can be made over the telephone while it is locked. On the other hand, the phone keeps on ringing on incoming calls, as usual.

In order to unlock the phone, it suffices just to attempt to perform any operation and enter the password when it is prompted.

DURATION

A submenu with 3 options is called through this menu.

<u>Set limit:</u> A duration limit can be set for calls to be made over that particular telephone, through this submenu. Once that limit is reached, the user cannot make any calls until the "Reset" submenu is employed.

In order to set a limit:

- 1) Set limit submenu is accessed.
- 2) Password prompt is displayed.
- Password is dialed.
- 4) The accept key is pressed.

- Total duration limit is typed in the format HH#MM, where H stands for hour and M for minute.
- 6) The accept key is pressed.

The limit is thus set.

In order to cancel a limit that has previously been set, a new limit is supposed be set through this submenu as 000#00.

<u>Display limit:</u> This submenu shows the limit that has been set and total duration of the entire calls that have been made so far.

In order to view the limit:

- 1) Display limit submenu is accessed.
- 2) The duration limit and the total duration appear on the display.
- 3) The menu is exited by pressing the back key.

Reset: It is used to reset total call durations. If the total call duration has exceeded the set duration limit, then the caller cannot make calls without resetting the total duration.

In order to reset total duration:

- Reset submenu is accessed.
- 2) Password prompt is displayed.
- Password is entered.
- 4) The accept key is pressed.

The total duration is thus reset, if the correct password is entered.

CHARGE

A submenu with 3 options is called through this menu.

<u>Set limit</u>: A charge limit can be set for calls to be made over that particular telephone, through this submenu. Once that charge limit is reached, the user cannot make any calls until the "Reset" submenu is employed.

In order to set a limit:

- 1) Set limit submenu is accessed.
- 2) Password prompt is displayed.
- 3) Password is dialed.
- 4) The accept key is pressed.
- 5) The total charge limit is typed in the format TT#00, identical with the format used in the unit cost menu.
- 6) The accept key is pressed.

The limit is thus set.

In order to cancel a limit that has previously been set, a new limit is supposed be set through this submenu as 000#00.

<u>Display limit:</u> This submenu shows the limit that has been set and total charge of the entire calls that have been made so far.

In order to view the limit:

- 1) Display limit submenu is accessed.
- 2) The charge limit and the total charge appear on the display.
- 3) The menu is exited by pressing the back key.

<u>Reset:</u> It is used to reset total call charge. If the total call charge has exceeded the set charge limit, then the caller cannot make calls without resetting the total charge.

In order to reset total charge:

- 1) Reset submenu is accessed.
- 2) Password prompt is displayed.
- 3) Password is entered.
- 4) The accept key is pressed.

The total charge is thus reset, if the correct password is entered.

FACTORY RESET

All the seetings made on the telephone can be switched to their factory defaults by this submenu.

In order to switch back to factory defaults:

- 1) Factory Reset submenu is accessed.
- 2) Password prompt is displayed.
- 3) Password is entered.
- 4) The accept key is pressed.

If the password is entered correctly, all the settings are set to their factory defaults, except for the Phone Book records and the call records accessed by "Info" key.

SETTINGS

Submenu titles:

- HEADSET
 - o Activate?
 - o Deactivate
- MICROPHONE
 - o High
 - o Low
 - Medium
- KEY SOUND
 - o Activate?
 - Deactivate
- ENBLOCK CALL
 - o Activate?
 - Deactivate
- DATE
- TIME
- ALARM
- VERSION
- LCD MESSAGE
- LANGUAGE

HEADSET

A headset module, which is connected to the headset output of the telephone can be put into service or taken out of service through this menu.

In order to put a headset into service:

- 1) The headset menu is accessed.
- 2) The echo "Activate?" is displayed.
- 3) The accept key is pressed.

It suffices to follow the same steps, in order to cancel. In that case, Deactivate option is displayed at the second step.

HOW TO USE THE HEADSET

- Answering an incoming call: After connecting the headset, the incoming calls can be answered through it by pressing the ""("Reply") key. The conversation is terminated by pressing the mentioned keys again. The HF key cannot be used to activate headset connection.
- Making a call: Handsfree feature is not activated by pressing the "\(\mathbb{K} \)" key while the telephone is on hook (the LED is not turned on). In that case, dial tone is received through the headset and the user can perform any operation s/he pleases by dialing numbers.

MICROPHONE

It is used to adjust level of the voice to be transmitted over the handset microphone during a phone conversation. One of the three volume levels may be selected.

In order to adjust microphone volume level:

- 1) The microphone submenu is accessed.
- 2) One of the levels, namely high, medium or low is selected by using the navigation keys "** and "***.
- 3) The accept key is pressed.

KEY SOUND

It allows the keys to produce sounds when they are pressed, indicating that they have been pressed. Regarding the multi-functional keys, the first sound indicates that the key is pressed for a short while, and the second one indicates it is pressed for a long while. In order to turn on the key sound:

- 1) The key sound menu is accessed.
- 2) The echo "Activate?" is displayed.
- 3) The accept key is pressed.

It suffices to follow the same steps, in order to cancel. In that case, Deactivate option is displayed at the second step.

ENBLOCK CALL

While en-block call is not active and the telephone is on hook, it is switched on in handsfree mode as soon as a key is pressed, and each digit is transmitted one by one. On the other hand, after en-block call has been activated, the telephone is switched on only after all the digits are dialed, and those digits are transmitted in a block.

In order to activate en-block call:

- 1) Enblock call menu is accessed.
- 2) The echo "Activate?" is displayed.
- The accept key is pressed.

It suffices to follow the same steps, in order to cancel. In that case, Deactivate option is displayed at the second step.

DATE

The date information displayed on LCD screen of the ST25 telephone is set through this menu.

In order to set the date:

- The date menu is accessed.
- 2) The date information that has previously been entered is displayed. The cursor blinks on the day field.
- 3) The correct day information is selected by using the navigation keys "** and "**."
- 4) The accept key is pressed.
- 5) The correct month information is selected by using the navigation keys " \mathfrak{C} " and " \mathfrak{C} ".
- 6) The accept key is pressed.

- 7) The correct year information is selected by using the navigation keys "\(\mathbb{R}\)" and "\(\mathbb{R}\)".
- 8) The accept key is pressed.

The date is thus set. If one realizes, while setting, that a mistake has been made in one of the previous fields, it is possible to go back to previous fields by the delete key.

Upon making a call to any extension over the ST25 telephone and the connection is established, the date on the ST25 is automatically updated to be synchronized with that of the exchange.

TIME

The time information displayed on LCD screen of the ST25 telephone is set through this menu.

In order to set the time:

- 1) The time menu is accessed.
- The time information that has previously been entered is displayed. The cursor blinks on the hour field.
- 3) The correct hour information is selected by using the navigation keys "🗐" and "🕄"
- 4) The accept key is pressed.
- 5) The correct minute information is selected by using the navigation keys "*" and "*".
- 6) The accept key is pressed.

The time is thus set. If one realizes, while setting, that a mistake has been made in one of the previous fields, it is possible to go back to previous fields by the delete key.

Upon making a call to any extension over the ST25 telephone and the connection is established, the time on the ST25 is automatically updated to be synchronized with that of the exchange.

ALARM

The ST25 telephone set can be utilized as an alarm clock. At the alarm time to be set, which is based on the time on the ST25, the phone rings and notifies the user.

In order to set an alarm time:

- 1) The alarm menu is accessed.
- 2) 00:00 is displayed. The cursor blinks on the hour field.
- 3) The alarm hour information is selected by using the navigation keys "" and "" and ""."
- 4) The accept key is pressed.
- 5) The alarm minute information is selected by using the navigation keys "®" and "®".
- 6) The accept key is pressed.

The alarm is thus set.

If the user wishes to turn off the alarm before its due time, then the alarm can be cancelled by accessing the alarm menu and selecting the option "Deactivate".

VERSION

It shows the version number of the telephone software.

In order to view the version information.

- 1) The version menu is accessed.
- 2) The version information is displayed.
- 3) The accept key is pressed.

LCD MESSAGE

By making use of this menu, any text can be determined, which is desired to be displayed on the LCD display while the telephone is idle.

In order to enter an LCD message:

- 1) The LCD message menu is accessed.
- 2) An LCD message of at most 20 characters is typed by using the standard keypad, the navigation keys "** and "***, and the delete key.
- 3) The accept key is pressed.

LANGUAGE

Language of the ST25 menu messages can be selected through this menu from among the available language alternatives.

In order to select the language:

- 1) The language selection menu is accessed.
- 2) The desired language is selected by using the navigation keys "" and "".
- 3) The accept key is pressed.

From that point on, the ST25 menus are displayed in the new language.

MSN

It is essential that the MSN definitions be made correctly in order for the ST25 to operate properly and to be able to ring on the incoming call requests it receives. The MSN numbers are the extension numbers that are defined on the exchange for the ST25.

The ST25 rings only on the calls made to the extension numbers that have been defined through the MSN menu. If there is an extension number, which has not been defined in the MSN menu, and if another extension tries to make a call to the ST25 by using that extension number, then that call request is directly declined and the phone does not ring.

Regarding the DS-series exchanges, 8 different extension numbers can be defined for the ST25 and at most 8 number definitions can be done through the MSN menu of the ST25 telephone set.

In order to define MSN numbers:

- 1) The MSN menu is accessed.
- 2) The echo "1: xxxx" is displayed. (xxxx is the first MSN number that has been defined)
- 4) The accept key is pressed.
- 5) An MSN number is typed by using a standard keypad.
- 6) The accept key is pressed.

Selecting the MSN that is to be transmitted as the CLIP information is quite flexible, regarding the ST25 telephones. The user may assign the numbers which s/he has defined through the MSN menu to Fast dial keys, upon wish. In order to do that:

- The MSN menu is accessed.
- The echo "1: xxxxx" is displayed. (xxxx is the first MSN number that has been defined.)
- 3) The MSN field, into which MSN entry is to be made, is selected by using the navigation keys "" and "".
- 4) The accept key is pressed.
- 5) The MSN number is typed by using a standard keypad.
- 6) An FD key is pressed.

By this way, pertaining MSN number is both confirmed and assigned to a Fast dial key.

From then on, the LED of the key is turned on in red when the user presses the related key. In that case, the MSN number that has been defined for the key is transmitted as the CLIP information on every call made. By pressing another MSN key at will, the user may ensure that the MSN number s/he has just selected is employed as the CLIP information for the following calls.

In order to release a key to which an MSN number has been assigned, the pertaining MSN number is selected through the MSN menu and the procedure is followed until the "change" step. At this step, if the "Accept" key is pressed without making any changes, then the related MSN key is released.

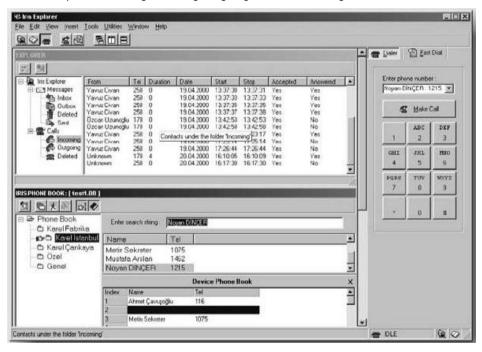
NOTE: The MSN list that is recorded through this menu is also used while determining the pitchs.

ACCESSORIES

IRIS FXPI ORFR

Iris Explorer is a TAPI-compatible, first generation computer-telephone integration software. This software works under Windows operating systems and allows the entire operations, which can be performed through the keys on the telephone to be performed over the computer as well. In addition to that, it puts more superior communication applications into the user's service.

Iris Explorer allows many features to be utilized easily, such as creating a phone book on the computer, handling incoming/outgoing calls and messages.



Detailed information about this accessory can be found in the "Help" menu of the software.

DSS25-28 DIRECT ACCESS UNIT

DSS25-28 is the Digital Direct Access Unit that has been designed for the ST25 Digital Telephone Sets within the framework of the DS-Series Exchanges from KAREL. It allows the extensions to have easy access to other extensions, lines and several features of the exchanges, and also allows them to be able to view statuses of related lines and extensions.



The Digital DSS25-28 Direct Access Unit consists of a keypad only. The keypad of the DSS25-28 unit is made up of 28 programmable, special-purpose keys and there is a LED available for each key. Functions that have been assigned to the keys can be monitored through those LEDs. The entire 28 keys are employed for assignment of access codes in general and there is no need for any programming over the unit.

Please refer to the DSS25-28 Technical Reference and User's Guide for more information.

