

Dial by Name

DESCRIPTION



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GENERAL

This document describes the feature Dial by name.

1.1

DESCRIPTION

This feature allows users, with DBC 203/213 telephones and DBC 223/225 graphical display, to get the telephone number from the Dial by name data base by typing the name on the DTS keypad conforming to the ITU-T specifications.

For DBC 203/213, the searched number, with the name and the auxiliary information, if any, is displayed on the DTS. Once the searched name and its additional information are displayed, a call can be initiated by pressing a soft-key, or the user can scroll up or scroll down through the stored names of the Dial by name data base.

For DBC 223 and DBC 225, the searched number with the name is displayed in a list format, together with its alphabetical adjacent entries. Once the searched name and its adjacent positions are displayed, a call can be initiated by pressing a soft-key, the user can scroll up or scroll down through the stored names of the Dial by name data base, or auxiliary information can be displayed about one entry by pressing a soft-key.

This feature is handled by soft-keys.

Names are entered, with the number and, optionally, the auxiliary information. Entered names are alphabetically arranged in the Dial by name data base each time a new name is entered.

It is possible to delete names from the Dial by name data base and also to printout names, numbers, type of data base number and auxiliary information of the users stored in the Dial by name data base. For detailed information consult command description for *name*.

1.2

GLOSSARY AND ACRONYMS

DTS	Digital Telephone Set.
ITU-T	International Telecommunications Standardization Sector.
PC	Personal Computer.
F1-F4	Soft-keys.

2 FACILITIES

2.1 ADMINISTRATION FROM AN EXTENSION

2.1.1 DBC 203/213

This feature is handled by soft-keys and it can be entered, when the DTS is in idle state or it has a parked call, by pressing the F4 soft-key **Dir**.

Once the user enters this feature, a new menu with different options for the user is displayed on the DTS (Menu Level 1). The options available in this new menu are **Del**, **Space**, **Find** and **Exit**.

The users can type the name characters from the keypad by pressing an alphanumeric key, as many times as the order that the letter is printed on the keypad. If a key is pressed once more than the number of printed characters on the keypad, the user gets the own digit for that key. This sequence is rotative, so when a digit of that key is displayed, the first printed character, on the keypad, will again be displayed when that key is pressed once more.

The DBC203/213 only supports entering of Latin-1 characters for the search in the dial-by-name database.

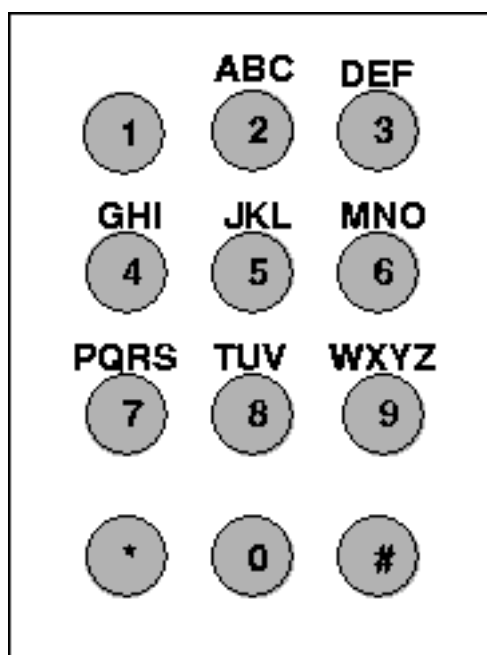


Figure 1: Keypad DBC 203/213

Example:

To get the name **PETER** the procedure is the following:

- P** Press key 7 once.
- E** Press key 3 twice.
- T** Press key 8 once.
- E** Press key 3 twice.
- R** Press key 7 three times.

The F1 soft-key (**Del**) can be used to delete any wrong character entered. The F2 soft-key (**Space**) is used to get a space (blank) between characters.

When the user presses the F4 soft-key (**Exit**) the Dial by name feature is interrupted and the menu message displayed on the DTS will be the idle one.

Characters typed on the keypad will be displayed on the DTS and once the wanted name characters have been typed and displayed, the user can press the F3 soft-key (**Find**) to fetch that name from the Dial by name data base.

The searched name and its additional information (number and auxiliary information) are displayed on the DTS. The soft-key message is changed to a new one (Menu Level 2) with other options for the user. These options are **Up**, **Down**, **Call** and **Back**.

When the Dial by name data base is empty (names, numbers and auxiliary information are not entered yet) and the F3 soft-key (**Find**) is pressed, a message indicating this case is displayed on the DTS (EMPTY DATA BASE).

If the typed characters to fetch a name from the Dial by name data base do not match with any of the characters stored in the data base, the most similar name previously stored in the data base will be displayed and a message indicating this situation will also be displayed (NO MATCH).

From the Menu Level 2, the different options can be used as follows.

Pressing the F1 soft-key (**Up**) the user can scroll up through the list to search the previous names with its additional information. When the first name of the list stored in the Dial by name data base is reached a message is displayed on the DTS (TOP OF NAME LIST).

Pressing the F2 soft-key (**Down**) the user can scroll down through the list to search the next name with its additional information. When the last name of the list stored in the Dial by name data base is reached a message is displayed on the DTS (END OF NAME LIST).

Option **Back** (F4 soft-key) is used to return to the previous menu (Menu Level 1) and the users can again edit a new name to search for it and its additional information.

Once the searched name and its additional information are found and displayed on the DTS, the users can initiate a call by pressing the F3 soft-key (**Call**). The normal sequence to initiate a call is then started and the Dial by name feature is finished.

The Dial by name feature has a timer function. This timer is initiated when the function starts and also each time a key of this function is pressed. When the time expires the Dial by name feature ends and the display shows the idle or the parking state information.

When the Dial by name feature is used and a call is received, the Dial by name data will be stored and the feature will be in stand by mode. Information about the incoming call will then be displayed. Once the call is finished, the last information displayed, when the Dial by name feature was active before the call, will be recovered and the user can go on with this feature.

Note: When a call is initiated from the Dial by name feature with the F3 soft-key (**Dial**), the displayed name can appear in a different way than the searched name from the Dial by name data base and is displayed on the DTS before pressing this soft-key. This happens because the name, in a call, is handled by the Name identity feature, and this feature handles the name in a different way than the Dial by name feature.

2.1.2

DBC 223 AND DBC 225

This feature is handled by soft-keys and it can be entered, when the DTS is in idle state or it has a parked call, by pressing the soft-key **PhoneBook**, in case of DBC 223 DTS, or through Top Menu, selecting the option Dial By name in the deployed sub-menu of the section PhoneBook, using the soft-key Select, in the DBC 225 DTS.

Once the user enters this feature, a new menu with different options for the user is displayed on the DTS (Menu Level 1). The options available in this new menu are **Delete**, **Space**, **Find** and **Exit**.

The users can type the name characters from the keypad by pressing an alphanumeric key, as many times as the order that the letter is printed in the "pop-up" character information. If a key is pressed once more than the number of printed characters on the keypad, the user gets the own digit for that key. This sequence is rotative, so when a digit of that key is displayed, the first printed character, on the keypad, will again be displayed when that key is pressed once more.

The DBC 223 and DBC225 support Unicode search strings for dial-by-name database search. The input mechanism supports latin-1, Greek and Cyrillic alphabets.

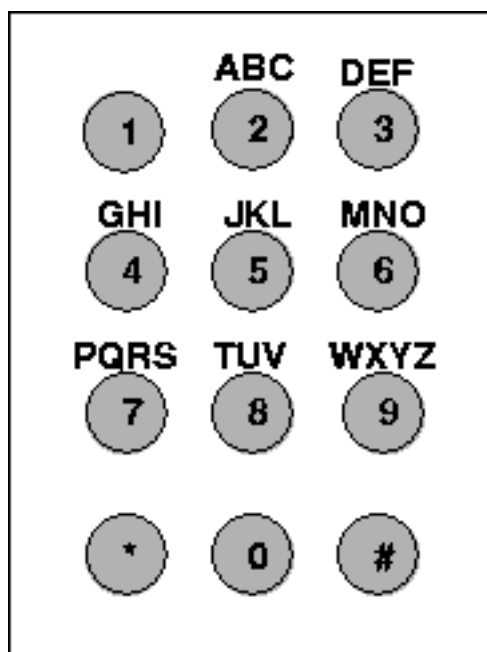


Figure 2: ASCII keypad DBC 223 and 225. Additional Unicode characters are available and will be shown as "pop-up" information while typing characters

Example:

To get the name **PETER** the procedure is the following:

P Press key 7 once.

- E** Press key 3 twice.
- T** Press key 8 once.
- E** Press key 3 twice.
- R** Press key 7 three times.

The F1 soft-key (**Delete**) can be used to delete any wrong character entered. The F2 soft-key (**Space**) is used to get a space (blank) between characters.

When the user presses the F4 soft-key (**Exit**) the Dial by name feature is interrupted and the menu message displayed on the DTS will be the idle one.

Characters typed on the keypad will be displayed on the DTS and once the wanted name characters have been typed and displayed, the user can press the F3 soft-key (**Find**) to fetch that name from the Dial by name data base.

The searched name and its number are displayed and highlighted on the DTS in a list with its adjacent entries. The soft-key menu is changed to a new one (Menu Level 2) with other options for the user. These options are **Call, Up, Down** and **more...** . If **more...** soft-key is pressed, other options are presented to the user for the same level (Menu Level 2). These options are **Details, Exit, Back** and **Return**.

When the Dial by name data base is empty (names, numbers and auxiliary information are not entered yet) and the F3 soft-key (**Find**) is pressed, a message indicating this case is displayed on the DTS (EMPTY DATA BASE).

If the typed characters to fetch a name from the Dial by name data base do not match with any of the characters stored in the data base, the most similar name previously stored in the data base will be displayed close its adjacent entries in a list format, indicating the searched entry has not been stored in the data base.

From the Menu Level 2, the different options can be used as follows.

Once the searched name and number are found and displayed on the DTS, the users can initiate a call by pressing the F1 soft-key (**Call**). The normal sequence to initiate a call is then started and the Dial by name feature is finished.

Pressing the F2 soft-key (**Up**) the user can scroll up through the list to highlight other entry from the list. When the first name of the list stored in the Dial by name data base is reached, if F2 soft-key (**Up**) is pressed, the last entries in the dial by name data base are displayed, and the last one is highlighted.

Pressing the F3 soft-key (**Down**) the user can scroll down through the list to highlight the next name and number. When the last name of the list stored in the Dial by name data base is reached, if F3 soft-key (**Down**) is pressed, the first entries in the dial by name data base are displayed, and the first one is highlighted.

Option **more...** (F4 soft-key) is used to display new soft-key menu maintaining the functionality information level (Menu Level 2).

After pressing **more...** , pressing the F2 soft-key (Exit) the Dial by name feature is interrupted and the menu message displayed on the DTS will be the idle one.

After pressing **more...** , option Back (F3 soft-key) is used to return to the previous menu (Menu Level 1) and the users can again edit a new name to search.

After pressing **more...** , option Return (F4 soft key) is used to recover the last soft-key menu displayed before **more...** soft-key was pressed.

After pressing **more...** , option Details (F1 soft-key), allows to display the auxiliary information associated to the highlighted name from the dial by name data base. The soft key menu is changed to a new one (Menu Level 3) with other options for the user. These options are **Call, Exit, Back**.

From the Menu Level 3, the different options can be used as follows:

Soft-key options Call and Exit have the same functionality as in Menu Level 2.

Option Back (F4 soft-key) is used to return to the previous menu (Menu Level 2), and the users can see the last list of entries displayed.

The Dial by name feature has a timer function. This timer is initiated when the function starts and also each time a key of this function is pressed. When the time expires the Dial by name feature ends and the display shows the idle or the parking state information.

When the Dial by name feature is used and a call is received, the Dial by name data will be stored and the feature will be in stand by mode. Information about the incoming call will then be displayed. Once the call is finished, the last information displayed, when the Dial by name feature was active before the call, will be recovered and the user can go on with this feature.

Note: When a call is initiated from the Dial by name feature with the F1 soft-key (Call), the displayed name can appear in a different way than the searched name from the Dial by name data base and is displayed on the DTS before pressing this soft-key. This happens because the name, in a call, is handled by the Name identity feature, and this feature handles the name in a different way than the Dial by name feature.

2.2

ADMINISTRATION FROM THE I/O TERMINAL

The Dial by name feature is software controlled by means of I/O commands.

name command includes the possibility to store, delete or print names, numbers and auxiliary information in the Dial by name data base.

By command it is possible to initiate a name for an extension, as usual for the Name identity feature, and also to store this name with its number and auxiliary information, if any, in the data base for the Dial by name feature, when the parameters for this command and for this feature are used.

This command can also store external names in the Dial by name data base. It means that names with external number associated (no extensions) can also be stored.

These names are alphabetically arranged in the Dial by name (not case sensitive).

By command it is possible to delete a name from an extension, as usual for the Name identity feature, and also to delete the name with all its information (number and auxiliary information) from the Dial by name data base, for the Dial by name feature.

This command can also delete names from the Dial by name data base without deleting the name for an extension.

Deletion from the Dial by name data base by type of data base number can also be done with this command.

By command it is possible to print initiated names for extensions, as usual for the Name identity feature, and also to print stored names, with their additional information, from the data base for the Dial by name feature.

Printout of type of data base number can also be done with this command.

For further information consult command description for *name*.

2.3

CAPACITY AND RESTRICTIONS

- The Dial by name feature can only be used by DTS extensions with soft-keys and alphanumeric display with 3 rows of 40 characters (DBC 203 and 213) or with telephones with graphical display (DBC 223 and DBC 225).
- Names for the Dial by name data base and for the digital telephone are managed Unicode characters (not case sensitive).
- When storing and processing names the length is limited to 65355 unicode characters for name1 and 65355 unicode characters for name2. For correct format at printout the name1 and name2 lengths are limited to 20 unicode characters each. The command for configuring names impose a limit of 20 unicode characters each for name1 and name2. External protocols and available space on display may impose stricter limitation
- Numbers stored in the Dial by name data base can be up to 20 digits.
- Auxiliary information stored in the Dial by name data base can be up to 10 unicode characters.
- The Dial by name data base can store up to 65500 entries (names, numbers and auxiliary information).

3 **HARDWARE**

No specific hardware is needed.

3.1 **DESCRIPTION**

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3.2 **INTERWORKING**

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4 **SUMMARY**

Dial by name is a feature to make calls, by typing the called extension's name.