

KBT-2002

Keyboard Translator

Users Manual

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Chapter 1 Programming KBT-2002

Macro Keys

1.1 Introduction

The KBT-2002 is equipped with programmable function keys (macro keys) that greatly enhances the operating interface. Macros, which are far more powerful than batch files; automate the most commonly used input sequences. They extend their functional reach within application programs.

1.2 Macro keys

Macro keys (SF1 , SF2 ,...SF10)

Ten programmable macro keys are located on the front panel of the workstation.

Macro keys (SF11 , SF12 ,...SF30)

These twenty programmable macro keys are customized models. If your workstation doesn't have these twenty keys, you do not need to edit SF 11 to SF 30 when using the utility program, Main.exe, to edit the macro keys.

The limitation of editing the macro keys

When editing the macro keys, the number of characters is limited to 78. Every ten macro keys are defined as one block; there are three blocks in total. The size of each block is limited under 256 bytes. Please refer to the next section for editing the macro keys.

1.3 Using Main.exe to edit Macro Key

First, copy all the files to your hard disk and/or make a backup disk. Take a look at the content of the utility disk; please find the .pad file that corresponds to your workstation, for example, AWS8420.pad. Remember this file name, because you will need it to edit the macro keys.

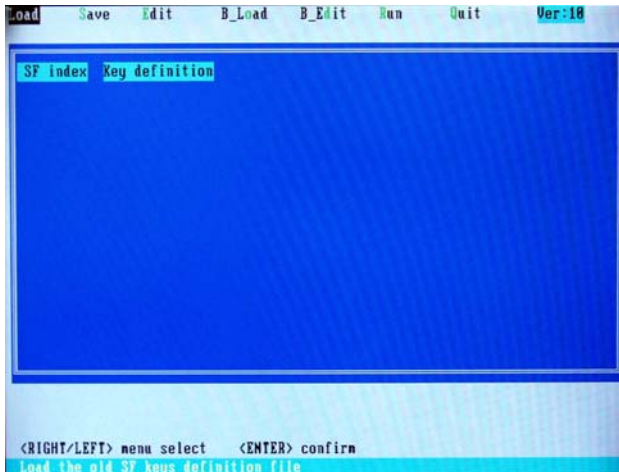
There is an example within the subdirectory of the utility disk. Go into this subdirectory and look for a .txt file that corresponds to your workstation, for example, AWS8420.txt. You can use this file under the macro key edit program to practice.

Note 1: The keyboard translator utility main.exe program can be run under DOS mode only.

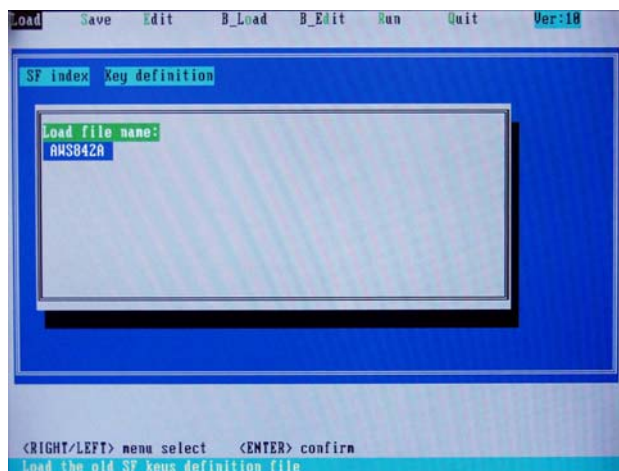
Note 2: The following windows illustrations are examples only. You must follow the instruction and pay attention to the instructions which appears on you screen.

1.4 Examples

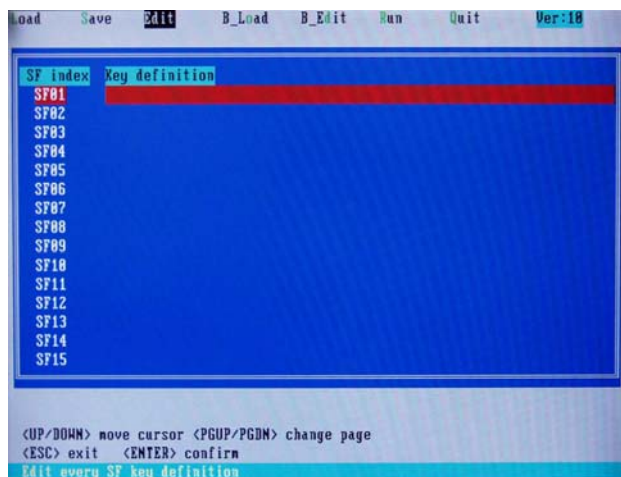
Boot your workstation and enter the DOS command. Key in main.exe and press the enter key. You will see the following screen.



Choose Load in the function and press the enter key. Key in the file name that you edited in this program before. To practice, you can choose, for example, the AWS8420.txt in the example in the utility disk. After reading the file, press Esc key to leave this mode.



Whether you have loaded the old file or not, choose Edit in the main menu and press enter to go into the edit mode. You can see the operating guide at the bottom of the screen. Use the up/down arrow keys to move the cursor, and page up/page down keys to change pages. These keys help you to choose the macro keys that you want to edit. The SF01, SF02, and etc represent the macro keys. They are called the macro key number. After picking the macro keys you want to edit, press the enter key to go into a sub screen.



In this sub screen, you can key in any character string that you want to see when pressing this macro key, or any signs. You can also key in the names of the function keys of the keyboard; but please add a [] sigh. The number characters you key in should be under 78. After editing, press Esc key to go back to the edit mode, then you can choose other macro keys to edit. If there is no SF 11, SF1 2,...SF30 on your workstation, please ignore and do not edit them. Upon completing the edit, press ESC key to leave the edit mode. You can see that there is no red bars on the macro keys you've edited. Choose Save in the main menu and press enter key. You will see a sub-screen like this. Please key in a file name; the total number of the character used should be under 7. After keying in the file name, press Enter; the system will save it with .txt and leave the Save mode.

```

Load  Save  Edit  B_Load  B_Edit  Run  Quit  Ver:1.0

SF index  Key definition

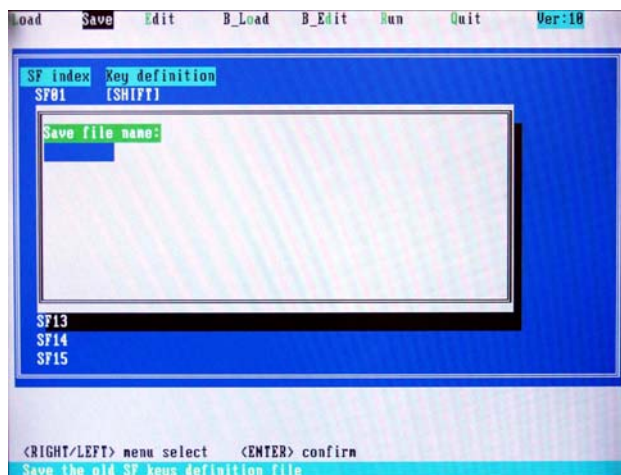
SF00 Definition
[SHIFT]

[ALT], [CTRL], [SHIFT], [ESC], [ENT], [BACK]
[ESC], [TAB], [MODE], [UPPER], [DEL], [INS]
[SCROLL], [CAPS], [NUM],
[F1]~[F12], [UP], [DOWN], [LEFT], [RIGHT]
[PGUP], [PGDN], [HOME], [END], [PRTSCN],
Wait:0.1s:[80], 0.5s:[81], 1s:[82], 2s:[83]
3s:[84], 5s:[85], 10s:[86], 30s:[87]
60s:[88], 1hr:[89]
Release Alt Ctrl Shift:[90]

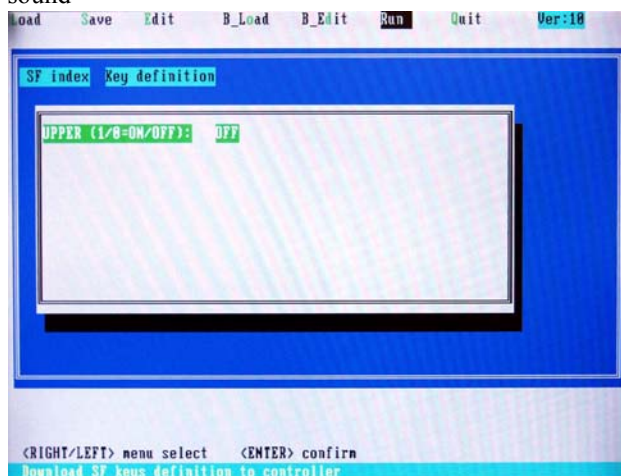
confirm:Enter    exit edit:Esc

<U
<E
Edit every SF key definition
  
```

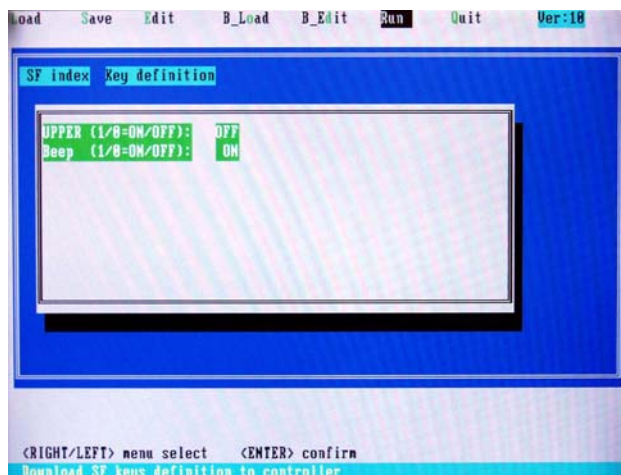
Choose Run in the main menu, and press Enter to go into the Run (programming) mode. You will see a sub-screen for upper key setting OFF= Press both character and upper key in the same time ON= Press upper key. Then key the character for upper layer. Press the upper key again for the lower layer PS: some membrane keypad has Upper indicator (light on=upper status)



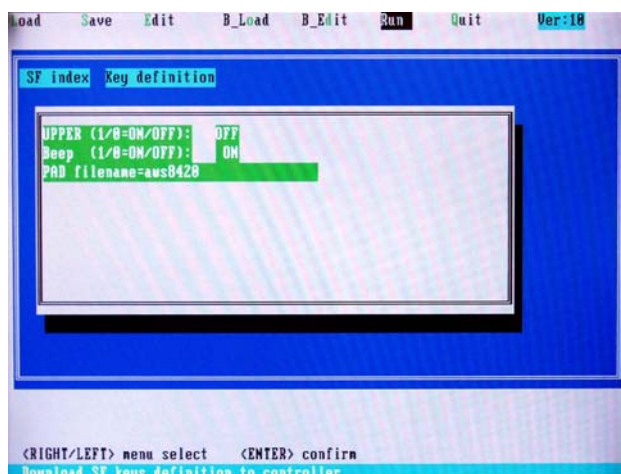
After setting the upper key, press Enter. Choose if you need the beep sound when you press the macro keys. OFF = no beep sound ON = with beep sound



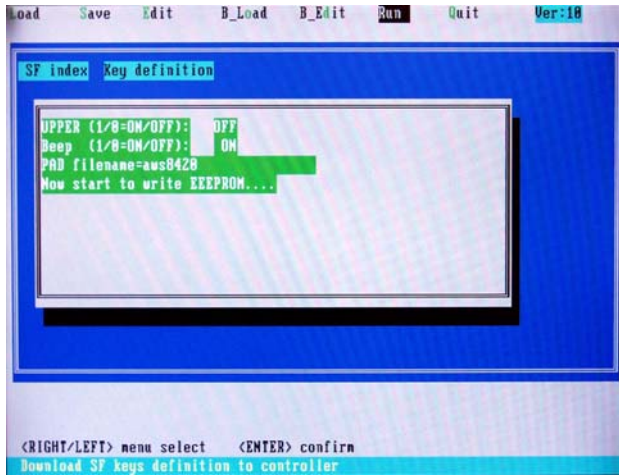
After the beep sound setting, press Enter and you will be asked to key in a .pad file name. Please refer to chapter 1.3. Do not use any other file names other than that of this workstation, or character definition errors might arise!



After keying the file name, press Enter, The system will start to read the data in the file together with the data in the .txt file that you just edited and save to the keyboard translator board of this workstation.



After the system finished the programming, you will see a sub-screen that tells you to repeat the process again or press Esc to leave the Run mode.



Note: There might be transition error when the connection cable between the CPU card and the keyboard translator is too long. If the error occurs, please turn off the workstation and use a shorter cable, then reboot the workstation and run the main.exe program again.