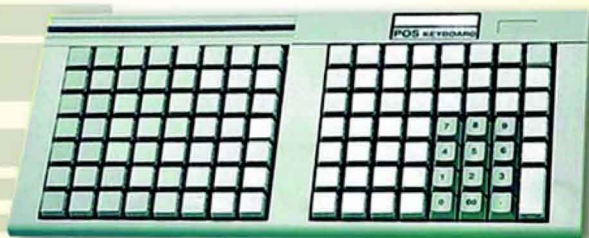


User's Manual

PKB-111 Series

Programmable POS Keyboard



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1. Inside the Package of PKB

1. PKB unit with keyboard cable.....1 pc
2. Parts of keycap and key-top..... 1 bag
Included: 110 pcs transparent 1x1 keycap
1 pc ABS 1x2 key-top
1 pc transparent 1x2 keycap
3. Blank key labels..... 1 bag
4. Bundled utility diskette..... 1 pc
There exists the following files:
 - a. Default.tbl : The default data of key-assignments table
 - b. Pkset.ext : To setup a file of key-assignments
 - c. Download.exe : To download a file to PKB unit
 - d. Test.exe: To view data of each key and the corresponding scancode
5. User's manual..... 1 pc

2.Optional

1. Optional built-in magstripe or barcode card reader
2. Optional barcode port
3. Optional RS-232 interface model

3. Models

1. PKB-111, 111 keys POS keyboard
2. PKB-111M02, 111 keys POS keyboard w/ track-2 card reader
3. PKB-111M12, 111 keys POS keyboard w/ track-1+2 card reader
4. PKB-111M30, 111 keys POS keyboard w/ track-1+2+3 card reader
5. PKB-111BR, 111 keys POS keyboard w/ red-light barcode card reader
6. PKB-111BI, 111 keys POS keyboard w/ infra-red barcode reader

4. Programming the Keys

1. Setting program

In Thebundled diskette, the program Pkset. exe is used to create and edit the key-assignments for the POS keyboard. The program should be run in a MS-DOS system. Insert the diskette into drive A: and type-in Pkset.exe under DOS prompt as following to start the setting program.

A:\>Pkset us

[Enter]

The language parameter (us) comes to the setup command, actually 8 kinds of languages parameters can be selected.

Language parameter	Keyboard Type	Language parameter	Keyboard Type
* US	United States	SG	Swiss-German
GR	German	SF	Swiss-French
FR	French	IT	Italian
UK	United Kindom	SP	Spanish

* Default Setting: us

2. Main-menu of the setting program

After starting the setting program, and press 2 to select 111 keys, the upper half screen shows the matrix (7 rows x18 columns) that corresponds to the keyboard positions. To setup or edit the key assignments, you can use the arrow keys to move the cursor, and select the key you want to define a new assignment.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
6	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

On the screen, there also shows the main-menu, 5 commands are waiting for selection:

- a. Quit Quit to DOS
- b. File Loading and saving the
 key-assignments table
- c. Edit Editing the key-assignments
- d. Configuration To select the on/off
 functions of sound and repeat
- e. Help To view the help screen

Press F: to select File command, 3 submenu functions can be selected:
Load: to load a key-assignment file
Save: to save a key-assignment file in a definable filename
Quit: to return to the main-menu

Press E: to select Edit command, you will see a key-position (like 00, or 01,) displays on the screen, and be waiting for typing assignment data. You can also assign some keys to be a group key.

Press C: to select the configuration command, you can select to turn on/off beep of the keyboard, and to enable/disable the repeat function.

Press H: to select Help command, you will see the following screen that help you to define the special instructions:

PrintScreen	<--Ctl + Shift + T
Pause	<--Ctl + Shift + P
CapsLock	<--Ctl + Shift + C
ScrlLock	<--Ctl + Shift + S
NumLock	<--Ctl + Shift + N
Ctl (R)	<--Ctl + Shift + R
Ctl (L)	<--Ctl + Shift + L
Alt (L)	<--Ctl + Shift (L) + A
Alt (R)	<--Ctl + Shift (R) + A
BackSpace	<--Ctl + Shift + B
ESC	<--Ctl + Shift + ESC
Shift (L)	<--Shift (L) + Shift (R) + L
Shift (R)	<--Shift (L) + Shift (R) + R
Up-Arrow	<--Shift + Up-Arrow
Down-Arrow	<--Shift + Down-Arrow
Left-Arrow	<--Shift + Left-Arrow
Right-Arrow	<--Shift + Right-Arrow

5. Download to the PKB

After establishing the key-assignments file, you can connect the PKB unit to the computer system, and the standard PC keyboard be connected to the PKB unit. There is a download utility DOWNLOAD.exe that existed in the bundled diskette.

Insert the diskette into drive A: and type-in download.exe under DOS prompt:

A:\>download filename [Enter]

Then you can select the file of key-assignments to download to the PKB unit.

After downloading, you can check each key data by running Test.ext and pressing every key to confirm the set-up is successfully completed.

6. Features

1. 111 keys, all programmable.
2. Each key can be programmed as either strings or single letter key-assignment.
3. The key assignments are stored in an internal EEPROM memory, which retains the key-assignments.
4. The internal EEPROM has 2048 bytes memory, which allows up to 18 characters can be defined to each key.
5. Bundled set-up and download utilities, easy to use the POS keyboard.
6. Optional magstripe or barcode card reader.
7. Highest-level mechanical key-switch, good press feeling and durable.

7. Built-in Magstripe or Barcode Card Reader

The PKB POS keyboard can be equipped with magstripe or barcode card reader.

1. Built-in magstripe card reader

Before using, select some parameters for your application by following steps:

Step 1, connecting the PKB unit to computer system, and connecting the standard PC Keyboard to PKB unit, press Esc key and following F10 key, the screen will shows:

```
*****
*                PARAMETER SETTING                *
*  PRESS "SPACE" KEY TO SELECTION                    *
*  PRESS "ENTER" KEY TO CONFIRM SELECTION              *
*  PRESS "ESC" KEY TO EXIT                            *
*****
TRACK SELECTION : 2
```

Step 2, select the parameters to fit your application.

```
TRACK 2 SS USING : +
TRACK 2 SEND FIRST : YES
TRACK SS/ES TRANSMIT : NO
TERMINATOR TRANSMIT : YES
TERMINATOR FOR TRACK : 2
GOOD READ BEEPER : ON
LANGUAGE SELECT : US
```

Note: Before pressing Esc and F10 keys, the PKB unit should be turned off and on again for effective setting.

2. Built-in barcode card reader

You can ask your supplier to built-in the barcode decoder or barcode card reader with either red light or infrared light source.