

IBM SurePOS 100 Keyboard Key Programming Guide

Version A01

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Revision History

Date	Version	Comment	Author
2007-02-27	A01	First released	Alan Liang

1. Overview

This document provides key programming guide for the IBM SurePOS 100 Keyboard Utility.

2. Requirement

- IBM SurePOS 100 Keyboard with 96 programmable PF keys.
- IBM SurePOS 100 Keyboard Utility V1.0.01 or later version for Win 98, 2000, XP.

- IBM SurePOS 100 Keyboard FW V1.0.1 or later version.

3. Operation Procedure

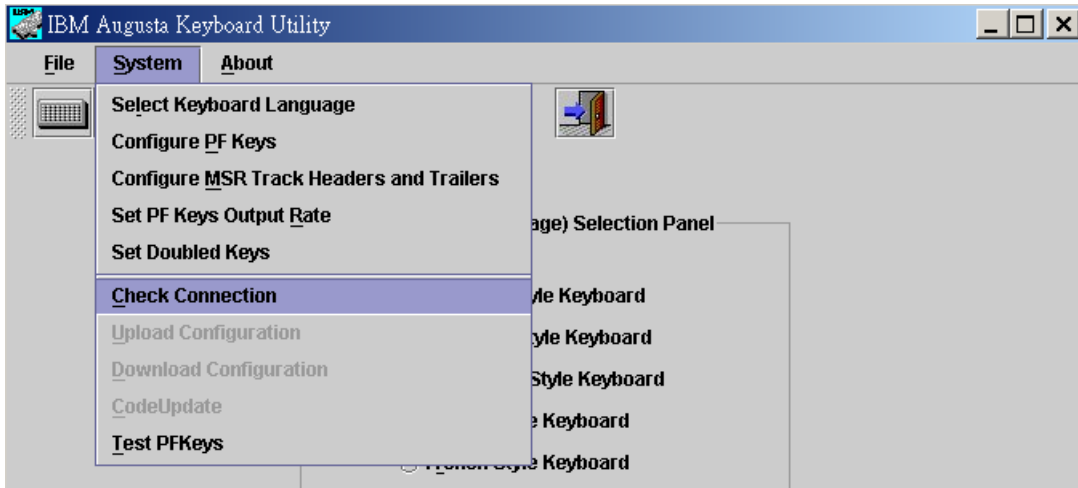
There are four main functions which are “Check Connection”, “Upload Configuration”, “Download Configuration” and “Code Update” for this utility. We explain these four main functions as below:

- **Check Connection:** Check Connection function will check the SurePOS 100 Keyboard is ready or not. If SurePOS 100 Keyboard is detected, utility will show the related information and enable the Upload Configuration, Download Configuration and Code Update functions execution ability. You only need to Check Connection one time to enable the above functions execution ability.
- **Upload Configuration:** Upload Configuration will update the Utility Configuration status from the SurePOS 100 Keyboard.
- **Download Configuration:** Download Configuration will save the Utility Configuration results to the SurePOS 100 Keyboard.
- **Code Update:** Code Update will renew the firmware of the SurePOS 100 Keyboard.

Below we will introduce important function operation procedure step by step:

- **Check Connection**

1. Connect IBM SurePOS 100 Keyboard to PC by PS/2 and open IBM SurePOS 100 Keyboard Configuration Utility (AP).
 2. A dialog which title is ‘Query/Download/Upload’ appears and presses ‘OK’ to start keyboard communication. You can also Check Connection from menu ‘System→Check Connection’ (PIC_01).
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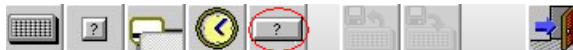


PIC_01

3. After Keyboard Query finished, a message box appeared. Utility will show the related information and enable the Upload Configuration, Download Configuration and Code Update functions execution ability. Otherwise, a message 'IBM SurePOS 100 Keyboard not Found' appeared.

■ Double Key Setup

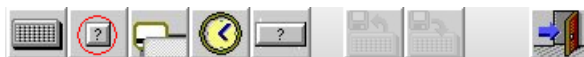
1. Connect IBM SurePOS 100 Keyboard to PC by PS/2 and open IBM SurePOS 100 Keyboard Configuration Utility (AP).



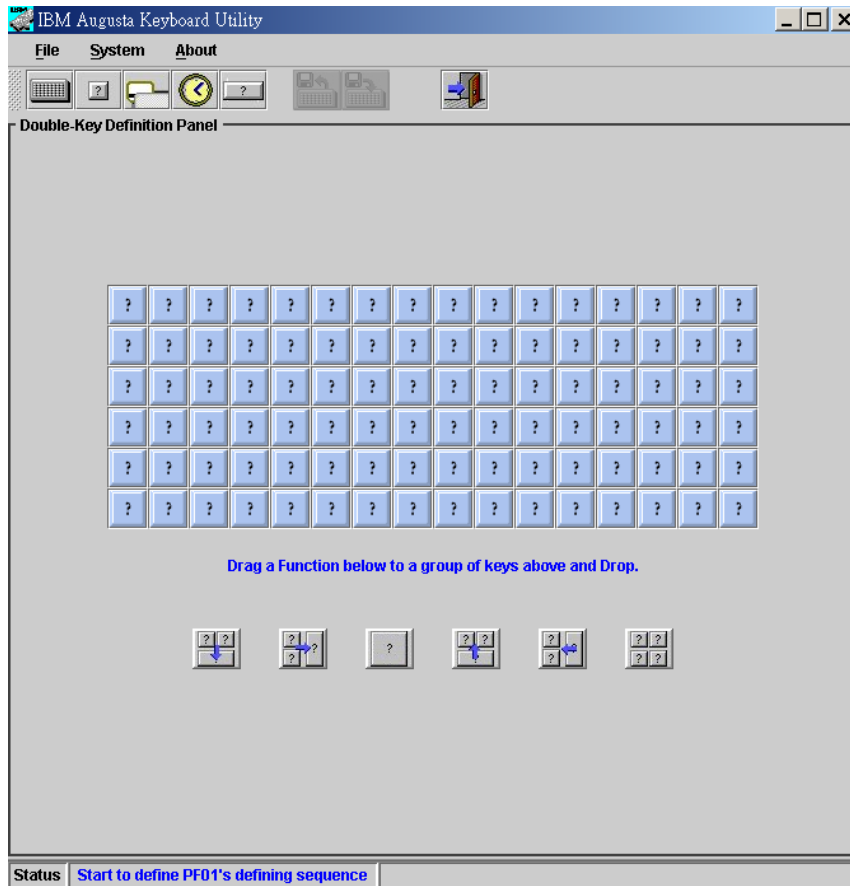
2. Press the Double Key Setup Hot Key of the above picture or from menu 'System->Set Doubled Keys' to enter double key setup panel. The original double key setup panel is as PIC_02.



3. Drag a function Key of the above picture (make horizontal double key, make vertical double key, make quaternary double key, remove horizontal double key, remove vertical double key, remove quaternary double key) to a group of PF Keys and drop to define a double key or remove a double key. PIC_03 is an example of double key setup. We use the same PX to indicate all PX are the same group PF keys.



4. Press the PF Key Programming Hot Key of the above picture or from menu 'System->Configure PF Keys' to enter PF Key Programming setup panel and check the setup results.



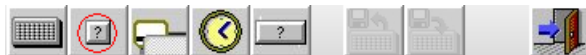
PIC_02



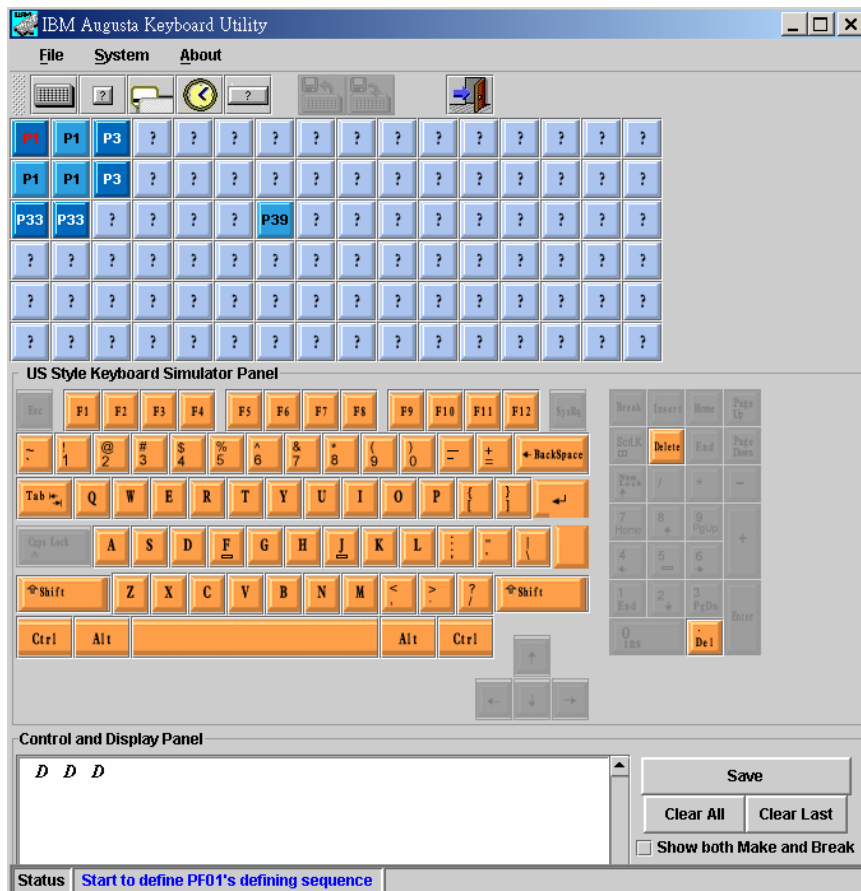
PIC_03

■ **PF Key Programming Setup**

1. Connect IBM SurePOS 100 Keyboard to PC by PS/2 and open IBM SurePOS 100 Keyboard Configuration Utility (AP).
2. A dialog which title is 'Query/Download/Upload' appears. You can skip check connection for now.
3. Enter double key setup panel to set up group key if you need. If you don't setup any group key, there are 96 independent PF keys by default.



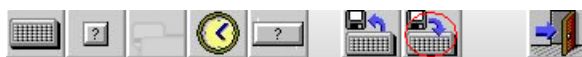
4. Press the PF Key Programming Hot Key of the above picture or from menu 'System->Configure PF Keys' to enter PF Key Programming setup panel. PIC_04 is an example of PF Key Programming. P1 is quaternary group PF key, P3 is vertical group PF key, P33 is horizontal group PF key, and question mark key is empty PF key (non-group key). P1 with red color means activated PF key, P1 with black color means non-empty PF key, P3 with white color means empty PF key, P39 with black color means non-empty PF key (non-group key).
5. Press any PF key acts activated PF key, press Simulated Keyboard key to input PF key data, each PF key can store 4 scan code data. Press Save button to save the PF key configuration.
6. After you finish the key programming, you can use Download Configuration to save the results to the SurePOS 100 Keyboard. And you can use Upload Configuration to update the Utility Configuration status from the SurePOS 100 Keyboard.



PIC_04

■ **Download Configuration to SurePOS 100 Keyboard**

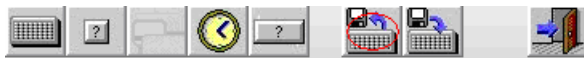
1. Connect IBM SurePOS 100 Keyboard to PC by PS/2 and open IBM SurePOS 100 Keyboard Configuration Utility (AP).



2. A dialog which title is 'Query/Download/Upload' appears and presses 'OK' to start keyboard communication. You can also Check Connection from menu 'System→Check Connection'. If SurePOS 100 Keyboard is detected, the Download Current Configuration to the Keyboard hot key is enabled. See the above picture.
3. Press Download Current Configuration to the Keyboard hot key or from menu 'System→Download Configuration' to download Utility current configuration to SurePOS 100 Keyboard.

■ Upload Configuration from SurePOS 100 Keyboard

1. Connect IBM SurePOS 100 Keyboard to PC by PS/2 and open IBM SurePOS 100 Keyboard Configuration Utility (AP).



2. A dialog which title is 'Query/Download/Upload' appears and presses 'OK' to start keyboard communication. You can also Check Connection from menu 'System→Check Connection'. If SurePOS 100 Keyboard is detected, the Upload Current Configuration from the Keyboard hot key is enabled. See the above picture.
3. Press Upload Current Configuration from the Keyboard hot key or from menu 'System→Upload Configuration' to update Utility current configuration from SurePOS 100 Keyboard.

■ Code Update

1. Connect IBM SurePOS 100 Keyboard to PC by PS/2 and open IBM SurePOS 100 Keyboard Configuration Utility (AP)
 2. A dialog which title is 'Query/Download/Upload' appears and presses 'OK' to start keyboard communication. You can also Check Connection from menu 'System→Check Connection'. If SurePOS 100 Keyboard is detected, the menu 'System→CodeUpdate' item is enabled.
 3. To run the menu 'System→CodeUpdate' item and input a FW file to run code update (renew firmware).
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