

Manual POSline
SC2110/SC2120/SC2130/SC2140
1D & 2D Barcode Reader User's



Introducción

Instalación Interfase Teclado

- 1) En primer lugar, debe apagar la terminal o computadora.
- 2) Desconecte el teclado de la computadora.
- 3) Conecte el cable correspondiente al lector y a la computadora.
- 4) Encienda la computadora.

Instalación Interfase RS-232

- 1) Desconecte la energía eléctrica de la terminal o computadora.
- 2) Conecte el cable serial y la fuente de poder externa al lector.
- 3) Coloque el conector en el puerto serial de la computadora.
Apriete los dos tornillos para asegurar el conector al puerto.
- 4) Coloque la fuente de poder a la energía eléctrica.
- 5) Una vez que el lector ha sido totalmente conectado, encienda la terminal o computadora.

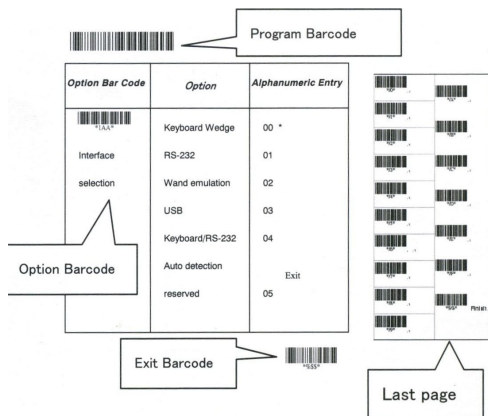
Nota: Si alguno de los pasos anteriores se hace incorrectamente, desconecte la energía eléctrica inmediatamente y revise si hay alguna conexión inadecuada. Vuelva a empezar.

Programando los lectores SC2110/SC2120/SC2130/SC2140

Para programar los modelos SC2110/SC2120/SC2130/SC2140, usted debera escanear una serie de codigos de barras en el orden indicado. Doble hacia fuera la cubierta de la parte posterior y usted vera una tabla de codigos de barra alfanumericos, los cuales son utilizados para programar las diferentes opciones presentadas.

Para programar cada opción, usted deberá:

1. Escanear el **Program** de codigo de barras de las tablas de configuracion de parametros.
2. Seleccione el modo de opcion seleccionado **Option Barcode**. (tambien en las tablas de configuracion de parametros).
3. En la parte derecha de la opcion codigo de barras, estan instaladas las entradas alfanumericas necesarias. Escanee esas entradas de la ultima pagina del manual. Para confirmar los pasos anteriore s debera escanear el codigo de barras **Finish**.
4. Una vez que ha terminado de programar, escanee el codigo de barras Exit, enlistado en la parte inferior derecha de cada tabla de configuracion de parametros.



Selección de Interfase


Los lectores SC2110/SC2120/SC2130/SC2140 soportan las siguientes interfaces: Teclado, Rs-232 Serial y USB. En la mayoría de los casos, basta con conectar el cable apropiado para seleccionar la interfase deseada.

Selección de Interfase: Usted puede cambiar la interfase que el fabricante indica por default. Conectando diferentes cables y configurando la interfase correcta, entonces el lector operara con esa interfase. Sin embargo, debe de estar seguro del cable que necesita.

***La interfase de fabrica del lector SC2110 no puede ser cambiada por otro tipo de interfase, cada modelo especifico trabaja solo con su interfase.**

Teclado/RS232/USB Auto deteccion: Configurando esta funcion el lector seleccionara la interfase Teclado o RS232 o USB.



<i>Option Bar Code</i>	<i>Option</i>	<i>Alphanumeric Entry</i>
 *1AA*	Keyboard Wedge	00
Interface selection	RS-232	01
	Wand emulation	02
	USB	03
	Keyboard/RS232	04 *
	Auto detection	
	Reserved	



Note: * -Default.

Teclado wedge

La interfase a Teclado del lector, soporta la mayoría de las terminales PC e IBM. El proceso de instalación es bastante sencillo, no requiere cambios de software o hardware

Tipo de Teclado: Seleccione el tipo de conector del teclado de su computadora. Deberá seleccionar el cable adecuado al lector.




Formato del Teclado: La selección del formato del teclado permite varios lenguajes aparte del inglés de USA. Primero necesita confirmar que lenguaje requiere. En DOS, utilice el comando "keyb" para seleccionar el formato de teclado o en WINDOWS en "Control Panel" en la carpeta "keyboard" seleccione la opción "language". Para mayores detalles, consulte su manual de usuario DOS o WINDOWS.

Velocidad del Teclado: Por selección, usted puede cambiar la velocidad del lector indicada en la computadora. Regularmente marcando 00 o 01 para trabajo con alta velocidad. Si se pierden algunos caracteres en la captura, deberá marcar 05 o 06 en la velocidad del teclado de la computadora.



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Program

<i>Option Bar Code</i>	<i>Option</i>	<i>Alphanumeric Entry</i>
 *2AA* Keyboard type	IBM AT, PS/2 IBM PS/2 25,30 IBM PS/2 25 IBM XT IBM 5550 Macintosh ADB NEC 9801	00 * 01 02 03 04 05 06
 *2AB* Keyboard layout	USA Belgium Danish France Germany Italian Portuguese Spanish Swedish Switzerland UK Latin American	00 * 01 02 03 04 05 06 07 08 09 10 11
 *2AC* Keyboard speed	0-8 0 : high clock rate 8 : low clock rate	00-08 01 *



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Exit

Keyboard wedge

Function Key: Set Enable, scanner can output code as pressing function-key in your application program while the barcode datas contain ASCII value between 0116 to 1F16. Refer to ASCII table, page 71.

Numeric Key: The Keypad has to be selected if your application program is only keypad numeric code acceptable. So, scanner will output code as press numeric keypad when it read numeric digit. (The keypad is in the right side of keyboard, and Num Lock control key is also on.) If Alt+Keypad is selected, Caps Lock and output will be independent.

Caps Lock: By selecting Caps Lock or No Caps Lock, scanner can get Caps Lock status.

Power-on simulation: All of the PCs check the keyboard status during power-on selftest. It is recommended to Enable function if you are working without keyboard installation. It simulates keyboard timing and pass keyboard present status to the PC during power-on.

Inter-character delay: This delay is inserted after each data characters transmitted. If the transmission speed is too high, the system may not be able to receive all characters. Adjust it and try out suited delay to make system work properly.

Block transmission delay: It is a delay timer between barcode data output. The feature is used to transfer continually with shorter barcode data or multi-field scanning.



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Program

<i>Option Bar Code</i>	<i>Option</i>	<i>Alphanumeric Entry</i>
 *2AD* Function key	Disable Enable	00 * 01
 *2AE* Numeric key	Alphabetic key Numeric keypad Only Alt+Keypad	00 * 01 02
 *2AF* Caps lock	Caps lock No Caps lock	00 01 *
 *2AG* Power-on simulation	Disable Enable	00 * 01
 *2AH* Inter-character delay	00-99 msec	00-99 02 *
 *2AI* Block transmission delay	00-99 10 msec	00-99 10 *



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Exit

RS-232

CTS: Clear To Send (Hardware Signal)

RTS: Request To Send (Hardware Signal)

Xon: Transmit On (ASCII Code 1116)

Xoff: Transmit Off (ASCII Code 1316)

Flow control:

None-The communication only uses TxD and RxD signals without regard for any hardware or software handshaking protocol.

RTS/CTS-If the scanner wants to send the barcode data to host computer, it will issue the RTS signal first, wait for the CTS signal from the host computer, and then perform the normal data communication. If there is no replied CTS signal from the host computer after the timeout (Response Delay) duration, the scanner will issue a 5 warning beeps.

Xon/Xoff- When the host computer is unable to accept data, it sends a Xoff code to inform the scanner to suspend data transmission, and Xon to continue.

ACK/NAK- When the ACK/NAK protocol is used, the scanner waits for an ACK (acknowledge) or (not acknowledge) from the host computer after data transmission, and will resend in response to a NAK.

Inter-character delay: It is delay time between data character's data output. It is also same as Inter-char. delay of keyboard wedge.









Block transmission delay: It is a delay time between barcode data output. It is also same as Block transmission delay of keyboard wedge.

Response delay: This delay is used for serial communication of the scanner to waiting for handshaking acknowledgment from the host computer.



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Program

<i>Option Bar Code</i>	<i>Option</i>	<i>Alphanumeric Entry</i>
 *3AA* Flow control	None RTS/CTS Xon/Xoff ACK/NAK	00 * 01 02 03
 *3AB* Inter-character delay	00-99 (msec)	00-99 00 *
 *3AC* Block transmission delay	00-99 (10 msec)	00-99 00 *
 *3AD* Response delay	00-99 (100 msec)	00-99 20 *
 *3AE* Baud rate	300 BPS 600 BPS 1200 BPS 2400 BPS 4800 BPS 9600 BPS 19200 BPS 38400 BPS	00 01 02 03 04 05 * 06 07
 *3AF* Parity	None Odd Even	00 * 01 02
 *3AG* Data bit	8 bits 7 bits	00 * 01
 *3AH* Stop bit	One bit Two bits	00 * 01



Scan

Scanning mode:

Good-read off-The trigger button must be pressed to activate scanning. The light source of scanner stops scanning when there is a successful reading or no code is decoded after the Stand-by duration elapsed.

Momentary-The trigger button acts as a switch. Press button to activate scanning and release button to stop scanning.

Alternate-The trigger button acts as a toggle switch. Press button to activate or stop scanning.

Timeout off-The trigger button must be pressed to activate scanning, and scanner stops scanning when no code is decoded after the Stand-by duration elapsed.

Continue-The scanner always keeps reading, and it does not matter when trigger button is pressed or duration is elapsed.

Test only-The scanner always keeps a constant reading and same label reading is allowed without double confirm. The feature can test the performance of scanner for reading speed and sensitivity.

Stand-by duration: A timeout duration of 1 to 99 seconds can be adjusted. The Stand-by duration that is valid scanning duration. It is only effective when the scanning mode of CCD is operated in Timeout off mode, and Good-read off mode.




Same Barcode delay time: If the barcode has been scanned twice, then only the first barcode will be accepted.

Double confirm: If it is enabled, the scanner will require a several times successful decoding to confirm the barcode data. The more confirming times required the more inhibitive miss-reading code will be shown. If you set Double confirm, the Multi field scan Enable function won't be able to work.

Multi field scan: The scanner can be read many sets of barcode data on the same scanning line at the same time, even if they are different kinds of barcode symbology.



Program

<i>Option Bar Code</i>	<i>Option</i>	<i>Alphanumeric Entry</i>
 *7AA* Scanning mode	Good-read off Momentary Alternate Timeout off Continue Test only	00 01 * 02 03 04 05
 *7AB* Stand-by duration	01-99 (second)	01-99 10 *
 *7AC* Same barcode delay time	01-99 (10 msec)	01-99 50 *
 *7AD* Double confirm	0- 09 (00: no double confirm)	0- 09 00 *
 *7AE* Multi field scan	Disable Enable	00 * 01



PDF-417

Only the SC2130 can decode PDF-417.

Truncate leading/ending: Refer to Truncate leading/ending of UPCA.

Code Id setting: Refer to Code ID setting of UPCA.

Insertion group selection: Refer to Insertion group selection of UPCA.



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Program

Option Bar Code	Option	Alphanumeric Entry
 QAA Read	Disable Enable	00 * 01
 QAF Truncate leading	0-15	00-15 00 *
 QAG Truncate ending	0-15	00-15 00 *
 QAH Code ID setting	00-ffH ASCII code	00-ffH <>
 QAI Insert group selection	00-44	00-44 00 *



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Parameter Setting List



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Program



!BS

Barcode standard parameter setting list

If you wish to display the current configuration of your SC2110/SC2120/SC2130, scanner over the host terminal/computer, scan the Barcode standard parameter setting list bar code.



!SY

System parameter setting list

If you wish to display the product information and revision number for your SC2110/SC2120/SC2130 scanner over the host terminal/computer, scan the System parameter setting list bar code.



!ST

String setting list

If you wish to display the string format list, scan the String setting list bar code.



!BU

Unique parameter list

If you wish to display the unique parameter setting list, scan the Unique parameter list bar code.



!VR

Firmware version list

If you wish to display the firmware version, scan the Firmware version list.



!IN

WARNING: Default value initialization

If you wish to return the SC2110/SC2120/SC2130/SC2140 to all the factory default settings, scan the Default value initialization bar code.



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C



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D



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E



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F



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Finish