

# Barcode Scanners

Barcode Scanners can be either USB-Serial, Serial, USB-HID, Keyboard Wedge or OPOS. The preferred method of configuration is USB-Serial

## USB-Serial

Most modern scanners support USB-Serial, sometimes called USB CDC Host. This can be used with the POS device manager and will work reliably without losing scans. It will work with all versions of Remote Desktop. This type of scanner will have a USB connection but will include a software device driver that will emulate a serial port. Power should be derived from the USB port.

To Configure System Five for a serial device, open the Windward Point of Sale Device Manager in the Windows Tooltray usually in the bottom right of your screen. Select the Barcode Scanner Tab, select the Port Settings text and Set the Baud rate to 9600, No Parity, 8 Data Bits. If the port settings show in RED, this means that the Point of Sale Device Manager was un-able to open the COM Port. Either the port does not exist, or some other device is already using it. Check the other POS device tabs to ensure that no other device is also set to your chosen serial port.

See [programming\\_a\\_symbol\\_ls\\_2208\\_barcode\\_scanner](#) for more configuration options.



The advantage of the serial port scanner is that there is never any confusion between a keyboard number input and a barcode scan.

## Serial

Serial barcode scanners plug into the serial / COM port of your computer. Many new computers do not have COM Ports or only have one COM port. There is often a separate power supply that is required. To Configure System Five for a serial device, open the Windward Point of Sale Device Manager in the Windows Tooltray usually in the bottom right of your screen. Select the Barcode Scanner Tab, select the Port Settings text and Set the Baud rate to 9600, No Parity, 8 Data Bits. If the port settings show in RED, this means that the Point of Sale Device Manager was un-able to open the COM Port. Either the port does not exist, or some other device is already using it. Check the other POS device tabs to ensure that no other device is also set to your chosen serial port.

No configuring of the scanner should be required. The advantage of the serial port scanner is that there is never any confusion between a keyboard number input and a barcode scan.

## USB-HID Keyboard

(USB Keyboard emulation)

The USB-HID (Human interface device) is a scanner with a USB connection, but will include a software device that emulates a keyboard. Power should be derived from the USB port.

The scanner will have to be programmed to send a Ctrl-B (02) (STX) keystroke prefix and a Enter (13) (CR) terminator.

Keyboard type scanners will often have issues when a dialog box appears on the screen and the clerk is trying to scan an item. For keyboard type scanners there are two methods which can be used: The preferred method is to open the Windward Point of Sale Device Manager in the Windows Tooltray usually in the bottom right of your screen. Select the Barcode Scanner Tab, Check the Keyboard Wedge Scanner box. This method will enable the scanner operate even when System Five does not have keyboard focus, or if there is a dialog window open. This method will only work if the scanner is set with a Ctrl-B (02) (STX) preamble

The other method is to open the setup-wizard in System Five, select Point of Sale Devices, barcode scanner, and select the appropriate preamble.

## USB-HID

(HID mode, non keyboard emulation)

Version 6.0.82.56 supports direct HID support for barcode scanners. You will need to configure the scanner to HID mode instead of Keyboard mode. You do not need any pre-amble characters. In the POS device manager, simply select the HID tab and select the HID device from the list. If you are not sure which device is the scanner, simply unplug and see which device disappears from the list.

Terminal Services does not redirect HID devices so this mode will not work with Terminal Services or Remote Desktop.

## Keyboard Wedge

The Keyboard Wedge is a scanner with two keyboard connections. You plug one end into the keyboard port of the computer, and you plug the keyboard into the other connection so that the scanner is between the keyboard and the computer. Power should be derived from the keyboard port. The scanner will have to be programmed to send a Ctrl-B (02) (STX) keystroke prefix and a Enter (13) (CR) terminator.

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The other method is to open the setup-wizard in System Five, select Point of Sale Devices, barcode scanner, and select the appropriate preamble.

## OPOS

OPOS drivers are a standard interface used for Point of Sale Devices.

This type of scanner will usually have a USB or a serial connection. There will be OPOS drivers required to be installed from the manufacture of your scanner. You will have to use the manufactures software to configure the scanner.

You will need to install the following Generic OPOS drivers

[ftp://ftp.windward-ca.com/pub/special/OposCCOs-1\\_8\\_001.EXE](ftp://ftp.windward-ca.com/pub/special/OposCCOs-1_8_001.EXE)

To Configure System Five an OPOS device, open the Windward Point of Sale Device Manager in the Windows Tooltray usually in the bottom right of your screen. Select the OPOS Tab, and the Scanner tab, click on Use this device and select the identity that was setup in the configuration of the manufactures setup. The advantage of the serial port scanner is that there is never any confusion between a keyboard number input and a barcode scan.

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