

How to Add Bar Code Scanning to Windows®



The ROV Scanner is a great extension to any Windows application that can benefit from bar code data input. Whether you are striving to improve accuracy by adding bar code scanning to an existing application, or you are creating an application that requires sophisticated bar code data control you have an arsenal of tools available.

Use the table below to align your needs with the appropriate software tool.

Software Tools

	USB Cable - Keyboard Mode	Scanner Wedge Software	SerialMagic Pro Software	SerialMagic Pro API	Microvision SDK
TIME TO DEPLOY	Shortest			Longest	
	<ul style="list-style-type: none"> » Quickest way to get connected, just plug in cable and scan » No software required 	<ul style="list-style-type: none"> » Easy setup – up and running in minutes 	<ul style="list-style-type: none"> » Easy setup for basic configuration » Enters data as if typed on keyboard » Friendly user interface to enable advanced data control features 	<ul style="list-style-type: none"> » Requires programming to integrate into application » Register OS event, then handle event when bar code data arrives 	<ul style="list-style-type: none"> » Requires programming to integrate scanner API into application » ActiveX® control available
DATA CONTROL	None	Minimum			Maximum
	<ul style="list-style-type: none"> » No added data control » Looks like a USB keyboard 	<ul style="list-style-type: none"> » Enters data as if typed on keyboard » Provides some data control, strip and insert prefix or suffix characters 	<ul style="list-style-type: none"> » Enters data as if typed on keyboard » Data formatting, take action according to data input 	<ul style="list-style-type: none"> » Direct program to program control using OS events rather than keyboard buffer » Full control of data in application 	<ul style="list-style-type: none"> » Full scanner control including data and scanner set up » Take advantage of time stamps, symbol IDs, etc.
CUSTOMIZATION	None	Standard Features			Full
	<ul style="list-style-type: none"> » No Customization 	<ul style="list-style-type: none"> » Run on computer startup 	<ul style="list-style-type: none"> » Run on computer startup, target application 	<ul style="list-style-type: none"> » Uses SerialMagic User Interface for setup 	<ul style="list-style-type: none"> » Full customization as API becomes part of your application
COST	<ul style="list-style-type: none"> » Sold as hardware accessory 	<ul style="list-style-type: none"> » Included with scanner purchase 	<ul style="list-style-type: none"> » Sold as software accessory 	<ul style="list-style-type: none"> » Sold as software accessory 	<ul style="list-style-type: none"> » One time purchase - no recurring costs



USB Cable

Provides the ability to connect and transfer bar codes to your computer using standard USB technology.

The cable features two modes:

1. Keyboard Mode enables you to Plug 'n' Play - scan bar codes into any Windows application without the need for additional software.
2. VCOM Mode enables advanced bar code features within software applications running on Microsoft Windows e.g. Scanner Wedge for Windows. (Requires free driver download.)

Scanner Wedge Software

Allows you to instantly bar code enable any application that accepts keyboard input, and provides minimal data control. Captures bar code data from the ROV Scanner or ROV Scanner with Bluetooth and pushes it into the active application window running on your computer as though it were entered from the keyboard.

SerialMagic Pro Software

Choose SerialMagic Pro software when you need improved data control. Connects to the ROV Scanner via USB or serial cable and to the ROV Scanner with Bluetooth via Bluetooth wireless technology. Features include application targeting, data formatting, spreadsheet columns, auto launch, minimize, and more.

DEVELOPER SPECIFIC TOOLS

You often face a make vs. buy decision. Whether you are developing applications for internal use within your organization or developing bar code enabled applications for commercial resale, Microvision provides you with resources to make you successful. Use Scanner Wedge or SerialMagic Pro for easy evaluation then add more sophisticated data control using SerialMagic API or the Microvision SDK.

SerialMagic API

Enables developers to control bar code data without using the keyboard interface. Provides user interface for setup and scanner configuration. Presents an event interface that alerts your application when bar code data is available.

Microvision SDK

Provides developers with complete scanner control. Fully integrate scanner setup and management within your application. Gain access to advanced scanner features like batch scanning with timestamps or Host Scan Control. API includes both C interface and ActiveX control. Enables software developers to create the best possible end user experience.

Learn more at www.microvision.com/barcode

Evaluating 3rd Party Applications

If you have an application vendor in mind but are not sure if their application supports Microvision Scanners use Scanner Wedge software to evaluate the application or ask the vendor to support the ROV Scanner using SerialMagic API or Microvision SDK.

3rd Party Applications

Many application developers have integrated Microvision's simple and affordable bar code scanners into their applications to make it convenient for customers and end users. If you have a commercial application that supports Microvision Scanners please tell us about it at:

www.microvision.com/barcode/solutions/submit

