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Flic
Laser Bar Code Scanner

MICROVISION

Quick Start Guide Flic Scanner USB Cables

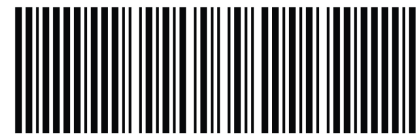


**Please read before installing cable!
Very important information inside!**

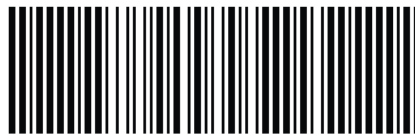
Troubleshooting

Issue	KBD	VCOM
Bar code data does not appear or appears incorrectly in my application.	Scan the "Return to Factory Defaults" bar code located below. Follow step A.2 for KBD mode.	B.2 for VCOM Mode.
Bar code data is bold when entered into my application.	Scan the "Disable STX" bar code on step A.2 for KBD mode.	N/A
When downloading multiple bar codes, only a few appear and the rest are gone.	You must program a delay with the "Delay - 500ms" bar code on step A.2 for KBD mode.	VCOM mode.
My scanner doesn't work when I switch the cable from VCOM to KBD.	Scan the "Return to Factory Defaults" bar code located below. Follow step A.2 for KBD mode.	Scan the "Return to Factory Defaults" bar code located below. Follow step B.2 for VCOM Mode.
Extra characters appear at the beginning of a batch when I plug in the cable.	Sometimes caused by the act of plugging in the cable. Options are to edit after batch download or switch to VCOM and Wedge software.	Wedge software uses the <STX> prefix character to define the start of a batch and will not exhibit this problem.

Return to Factory Defaults



Clear Bar Code Memory



System Requirements

- » Acts as a hardware wedge (emulates a keyboard) - simply plug in and start scanning! No connectivity software needed.
- » Works with all software applications that have integrated the scanner.
- » Easy plug and play installation for keyboard and virtual COM port modes!
- » Full compliance with USB Specification 1.1
- » Supports standard RS-232 Serial interface.
- » No IRQ resource required
- » Powered from USB port - no separate power supply or battery required.
- » Windows 2000, Windows XP service pack 1 / 2, (both KBD and VCOM)
- » Mac OS X, Linux (KBD only)
- » AMD or Intel Pentium 133MHz or better
- » USB 1.1 or higher port

For support contact Microvision at 1-866-333-3542 or email flicsupport@microvision.com.

Getting Started: what do I do first?

Reset the Scanner by scanning the “Return to Factory Defaults” and “Clear Bar Code Memory” codes on the reverse side under “Troubleshooting”. Then read sections A.1 and B.1 to determine which Mode you will use and follow the installation instructions.

A.1 Keyboard (KBD) Mode (Windows/Mac)

What is KBD Mode? By emulating a USB keyboard, your computer will transfer bar code data received as if the numbers and letters were typed on a keyboard. This allows you to scan into any active application that accepts keyboard input without loading any software. Simply plug and play.

Use. Use KBD mode for simple plug and play scanning. Use VCOM mode with software applications that have already integrated the scanner.

Scanning while tethered - Bar codes will appear in your application immediately after each scan.

Scanning while untethered (batch mode) - The Flic Scanner has onboard memory. Bar codes stored on the Scanner will download into the active application once the Scanner is plugged in.

NOTE: Make sure to prepare your application before plugging in your Scanner or you could lose all the bar codes stored in Scanner memory!

To prevent loss of bar code information in batch scanning, refer to step A.2.

B.1 Virtual COM port (VCOM) Mode (Windows Only)

What is VCOM Mode? Virtual Communication (VCOM) allows applications to assign a specific port to your scanner. VCOM Mode is used by applications that have integrated the Flic Scanner. Check your application documentation to determine if it has integrated the Flic Scanner and uses VCOM mode.

Use. Use VCOM Mode with software applications that handle the connection of the Scanner. You must use an application to receive data from the scanner when using the VCOM setting.

Scanning while tethered - Depending on your application, bar codes should appear immediately after each scan. Make sure the Scanner has been properly configured and connected to your application.

Scanning while untethered (batch mode) - Depending on your application, bar codes scanned while untethered will be stored in your Scanner's onboard memory. Once you plug in your Scanner, the bar codes should download into your application.

A.1 KBD Mode installation

1. To use the USB cable in KBD mode, move the selector to the KBD position on the USB cable (refer to Figure 1 to see how to switch to KBD).

2. Plug the USB cable into an available USB port on your Windows PC or Mac.

Windows

3. A little balloon should pop up on the bottom right hand portion of your screen. Windows will recognize the hardware, and apply a KBD driver to that device.

The installation might take a minute or more. Once it's finished, the balloon will read “Your hardware is installed and ready to use”.

4. Plug in scanner, open an application and scan a bar code.

MAC

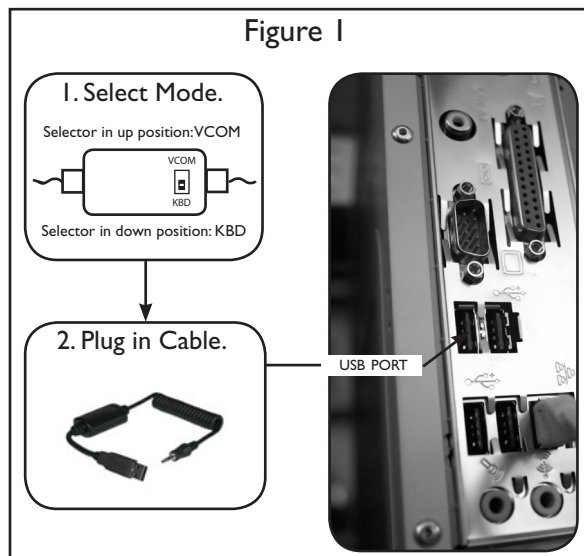
3. An installation wizard will appear and will recognize the cable as an unknown keyboard.

It may ask you to press a specific button on the keyboard. Instead, plug in your Flic Scanner and scan the bar code below.

That will successfully configure the OS to properly handle data input from the Scanner.



Figure 1



B.1 VCOM Mode installation

1. To use the USB cable in VCOM mode, move the selector to “VCOM” on the USB cable (refer to Figure 1 to see how to switch to VCOM).

2. Plug the USB cable into an available USB port on your Windows PC.

3. Wait until the New found Hardware Wizard completes its installation process.

4. Once you receive the message “Your hardware is installed and ready to use”, open a web browser and navigate to:

www.flicscanner.com/support/download.html

5. Download “USB VCOM Driver”. After it finishes downloading, double-click the installer and click “Finish” when able.

6. Click “Continue” when you are warned about unsigned drivers.

7. Once the installer window disappears, the installation of the driver is complete.

NOTE: If unplugged, make sure to plug the cable back into the same port. If a different port is used, the driver must be reinstalled.

A.2 Configuring and Scanning in KBD Mode

Please scan the “Delay - 500ms” control bar code. This will add a delay between bar codes to prevent overruns when scanning in batch mode. The Windows or Mac keyboard buffer may not be large enough for a batch of scans. No programmed delay may cause loss of data.



Delay - 500ms



Delay - Return to Default

Please scan the “Disable STX” control bar code. The “STX prefix” of the scanner is not necessary for KBD mode and may cause unwanted results (Windows - bold face characters, Mac - unwanted cursor movements).



Disable STX



Enable STX

NOTE: It is not recommended that users frequently switch between KBD and VCOM operating modes.

B.2 Configuring and Scanning in VCOM Mode

Please scan the “Delay - 500ms” bar code. This will add a delay between bar codes to prevent buffer overruns when scanning in batch mode. The Windows or Mac data buffer may not be large enough for a batch of scans. No delay may cause an overrun and loss of data.

Scan the “Delay - 500ms” bar code on the left to program a delay.



Most applications that utilize the scanner handle the scanner connection within the application. Refer to your application user guide to learn how to utilize the scanner with your application.

NOTE: It is not recommended that users frequently switch between KBD and VCOM operating modes.