

Scanner Wedge for BlackBerry™

Software Users Guide

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Installing Scanner Wedge Software

Scanner Wedge is a software program that runs on your BlackBerry device, communicates with your scanner, and forwards scanned bar codes into other programs on your device. Scanner Wedge makes other programs accept scanned bar codes as if the numbers had been entered from the BlackBerry keypad.

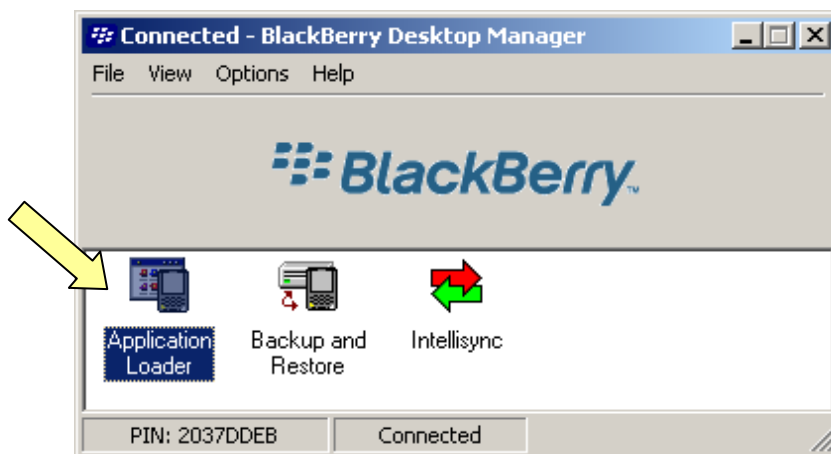
To install Scanner Wedge you will use the BlackBerry Desktop Manager and the download zip file on your PC.

Installation steps:

1. Visit <http://www.microvision.com/barcode/support/software.html> to locate the *ScannerWedgeBB_2.0.zip* file. Fill out the registration form and click **Submit** and download the file.
2. Unzip the *ScannerWedgeBB_2.0.zip* file and extract from it the following installation files:
 - *ScannerWedge.alx*
 - *ScannerWedge.cod*
 - *BcsSDKBlackBerry.cod*

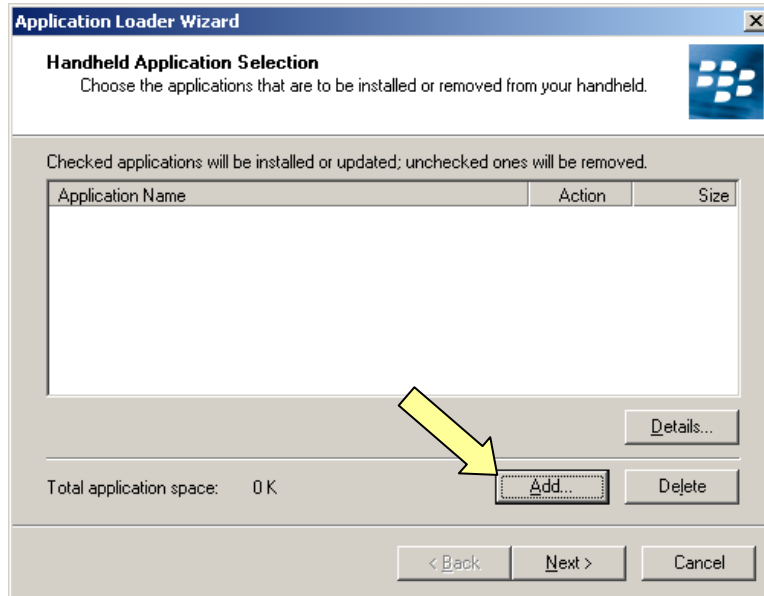
Note: *ScannerWedge.alx* is the file that installs both the Scanner Wedge application itself and the *BcsSDKBlackBerry.cod*.

3. Connect the BlackBerry to the PC using a USB cable.
4. Launch the BlackBerry Desktop Manager on the PC.
5. Start the Application Loader Wizard.

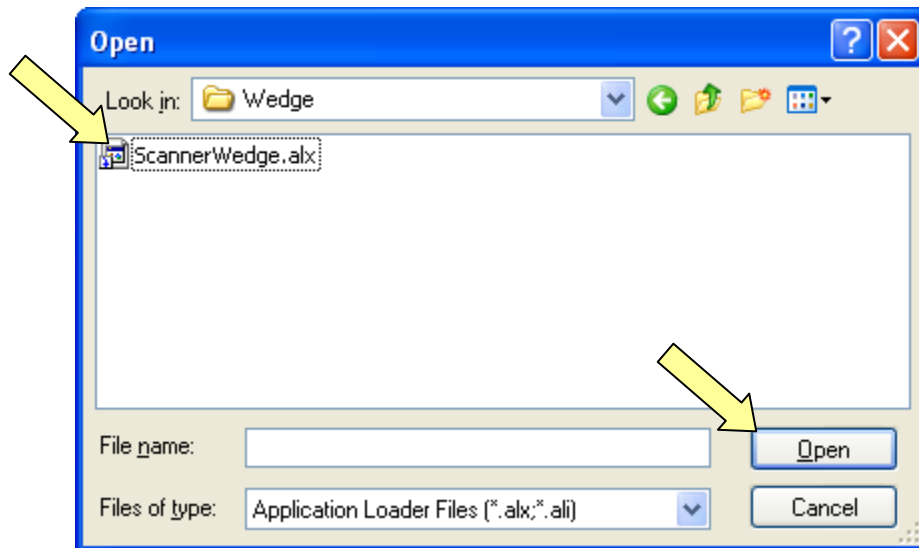


6. Click **Next**.

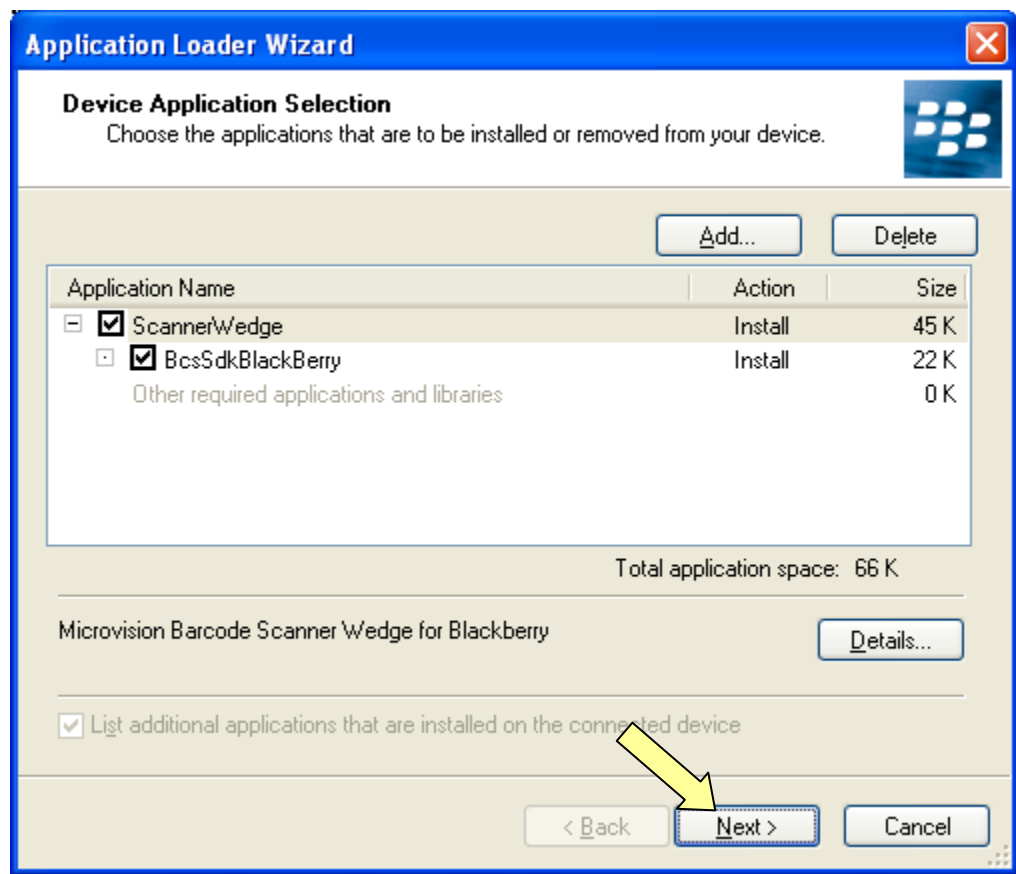
7. Click **Add** to add the first application file.



8. Navigate to the folder on the PC that contains the unzipped application files, select the **ScannerWedge.alx** file and click **Open**.



9. With the application added and marked for installation, click **Next**.



10. Click **Finish** to complete the installation.

11. When finished, click **Close** and unplug your BlackBerry from the PC.

On your BlackBerry device click **Applications** then **Scanner Wedge** to launch the software.

Activating the Scanner Connection

This section describes how to:

1. Pair your BlackBerry with the Scanner using Bluetooth settings
2. Activate the connection in Scanner Wedge.

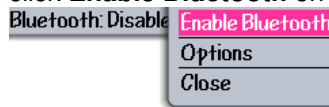
Pair the BlackBerry with the Scanner using Bluetooth Settings

1. Put the scanner into Discoverable Mode by pressing the button on the scanner.

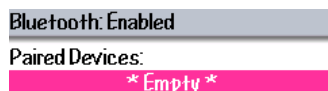
NOTE: By pressing the button on the scanner, it will enter Discoverable mode, indicated by the blue light blinking twice every two seconds. The scanner must be in discoverable mode to pair with the BlackBerry and connect to Scanner Wedge.

2. Enable Bluetooth on the BlackBerry under Bluetooth Settings.

- a) From the Bluetooth Settings screen, if Bluetooth is disabled, click the trackwheel and click **Enable Bluetooth** on the pop-up menu.



- b) Message on screen will indicate "Bluetooth: Enabled".



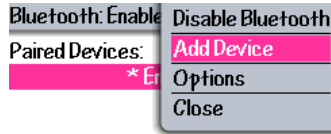
Tip: Depending on your BlackBerry model, you will find Bluetooth Settings in one of the following locations:

Tools-Settings, OR
Settings, OR
Settings-Options.

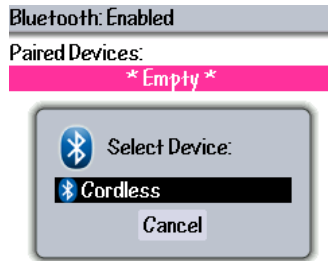
Because BlackBerries differ widely, please refer to your BlackBerry user's manual if you are having trouble activating Bluetooth.

3. Pair the scanner device named Cordless.

- a) From the Bluetooth Settings menu click **Add Device**.

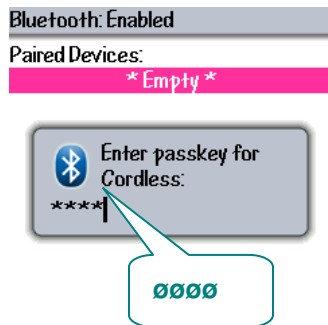


- b) The BlackBerry will find the scanner named “Cordless.” Click **Cordless**.



Tip: If the scanner is not found, make sure the scanner is in discoverable mode and try again.

- c) When prompted for a passkey, enter the default code **0000** (four zeroes) and click the trackwheel.



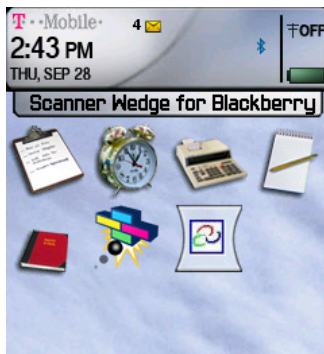
- d) The screen will display “Paired Devices: Cordless”.



Tip: If Paired Devices still displays “empty,” repeat step 3.

Activate the Connection in Scanner Wedge

1. Launch Scanner Wedge on your BlackBerry by clicking **Applications** then **Scanner Wedge**.



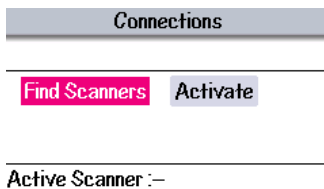
NOTE: If prompted to allow Keystroke Injection, return to Settings and navigate to Advanced Options. Under Applications, locate Scanner Wedge and allow Keystroke Injection.

Because BlackBerries differ widely, please refer to your BlackBerry user's manual if you are having trouble allowing Keystroke Injection.

2. Open the Connections screen by clicking the trackwheel, and from the pop-up menu clicking **Connections**.



3. On the Connections screen, click **Find Scanners**.



Tip: If the scanner is not found, verify the scanner is in Discoverable Mode and the Bluetooth is paired (see previous section), and try again.

4. With the desired scanner highlighted, click **Activate**. Scanner Wedge may ask for the Scanner PIN number. If it does, enter 0000 (four zeroes).



Active Scanner :-

Found 1 Scanner.

Tip: If you receive an error message when attempting to activate, verify the scanner is in Discoverable Mode and click **Activate** again.

5. The Connections screen shows the messages "Active Scanner: Cordless" and "Scanner Wedge Activated. Scanner connected."



Active Scanner :- Cordless

Scanner Wedge Activated.
Scanner connected.

NOTE: When Scanner Wedge is "Activated", it will attempt to maintain a connection with the scanner at all times. If the scanner falls asleep, goes out of range, or disconnects for any reason, Scanner Wedge will attempt to reconnect until successful.

TIP: Click the Options tab and mark the checkbox "Activate Scanner Wedge on application start-up". Then you will not need to repeat this section if you reset your device.

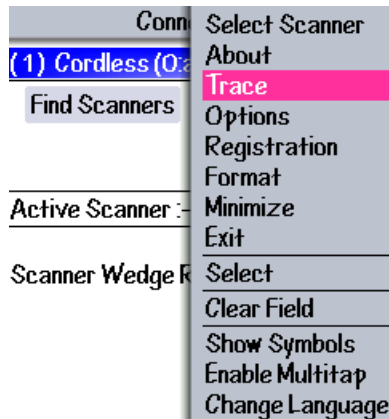
NOTE: Always **Minimize** Scanner Wedge by clicking the scroll wheel on any screen and selecting **Minimize**. Selecting **Exit** will shut down Scanner Wedge and disconnect the scanner.

You are now ready to start scanning!

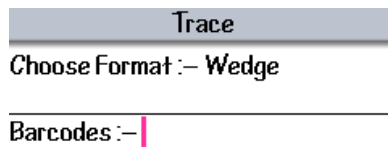
Tracing Scanner Output

Use the Trace screen to view bar code data as it is received from the scanner.

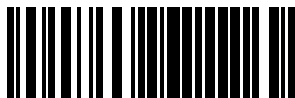
1. Open the Connections screen by tapping **Tools** then **Connections**. Make sure that Scanner Wedge is Activated and the scanner is connected (see previous section if necessary to activate the connection).
2. Open the **Trace** screen from the main Scanner Wedge menu.



Notice the Trace screen indicates the currently chosen format is "Wedge." This means you will see the bar code data as it will be output by Scanner Wedge.

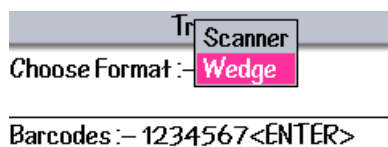


3. Print this page and scan the bar code below.



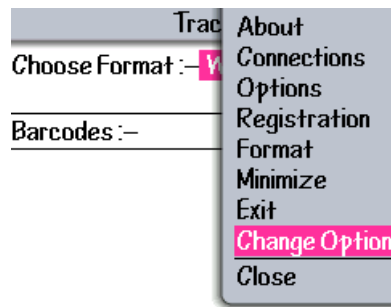
Sample bar code: 1234567

4. The bar code data will appear on the Scanner Wedge trace screen. In this example Scanner Wedge is appending <Enter> to the end of each bar code.

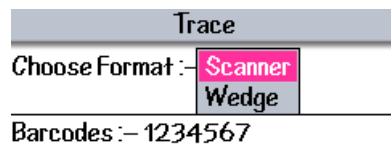


Tip: To modify Wedge formatting, click **Format** on the main Scanner Wedge menu, and change options as explained in the next section.

5. To see the raw bar code data, click **Wedge** on the Trace screen, click **Change Option**, then click **Scanner**.



Now scan the above bar code again and notice that <Enter> is not appended to the bar code.



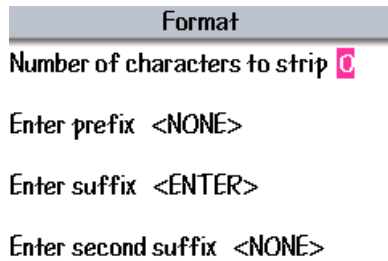
Tip: To clear the bar code data from the Trace screen, click **Clear Field** on the menu.

6. Open Memo Pad or another BlackBerry application, and position the cursor to accept keypad input. Scan the bar code again and watch the numbers appear in your application.

Formatting Output

Scanner Wedge receives bar code data from the scanner and forwards it to other applications you might use on your BlackBerry. You can customize the format of the data received into your application using the Format screen.

1. From the main Scanner Wedge menu Click **Format**.



Format

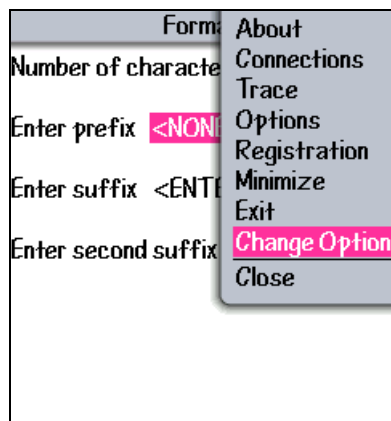
Number of characters to strip 0

Enter prefix <NONE>

Enter suffix <ENTER>

Enter second suffix <NONE>

Note: Click any format option you wish to change, then click **Change Option** to customize the scanner output.

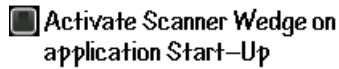


2. **Number of Characters to Strip:** This option allows you to delete zero to five characters from the beginning of the bar code. If you select 3, for example, the program strips the first three characters from the bar code before transmitting it to an application.
3. **Enter Prefix:** This option allows you to insert a character before entering a bar code. Select from **<NONE>**, **<ENTER>**, and **<SPACE>**.
4. **Enter Suffix:** This option allows you to append a character to the end of a bar code. Select from **<NONE>**, **<ENTER>**, and **<SPACE>**.
5. **Enter Second Suffix:** This option allows you to append a second character to the end of a bar code. Select from **<NONE>**, **<ENTER>**, and **<SPACE>**.
6. To test your Format selections, click **Trace** on the menu and scan some bar codes with the Wedge option chosen, as explained in the previous section.

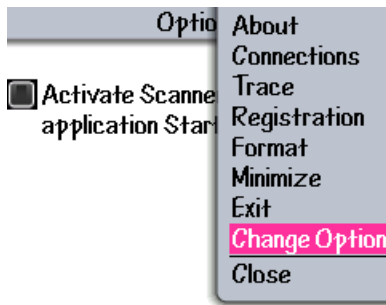
Selecting Start-up Options

On the Options screen you can specify whether you want Scanner Wedge to automatically activate whenever it launches.

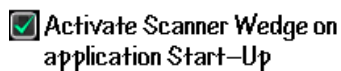
1. Click **Options** from the main Scanner Wedge menu.



2. To automatically activate Scanner Wedge when started, mark the checkbox by clicking the track wheel, selecting **Change Option**.



3. When active, Scanner Wedge will connect (if scanner is in Discoverable Mode), maintain connection, and attempt to reconnect if the scanner has disconnected.



Tips and Troubleshooting

This section contains information to help you with issues you might encounter while using your Scanner Wedge software.

Installation Issues

Issue: The software is not on my device.

Resolution: Make sure that your device is connected to your computer via BlackBerry Desktop Manager. Click **Application Loader** and click **Next** twice. You will see the “Device Application Selection”. Make sure “Scanner Wedge for BlackBerry” is listed and checked. If it is not checked, check the box and click **Next**. If it is not listed, refer to the first section in this manual – “Installing Scanner Wedge”.

Configuration Issues

Issue: You selected the option “Activate Scanner Wedge on Application startup”, but the software does not automatically connect to the scanner on startup.

Resolution: If the Connections window displays “Scanner Not Connected”, press the button on the scanner to put it in Discoverable Mode. It will auto-connect (the LED will single-blink when connected). If it does not, deactivate Scanner Wedge by clicking **DeActivate**. Click **Find Scanners**, select your desired scanner, then click **Activate**. If it still does not connect, refer to section “Activating Scanner Wedge” to pair the scanner with your BlackBerry.

Connection Issues

Issue: I receive error “No Scanners Found”

Resolution: Make sure the scanner is paired with your BlackBerry. It must be paired with your BlackBerry to successfully find the scanner. Refer to the “Activating the Scanner Connection” portion of this Guide to learn how to pair the scanner with your BlackBerry.

Issue: The software does not receive any data from the scanner.

Resolution: Remember that when the scan is received your chosen application needs to be open and the cursor positioned for typing on the keyboard. Check the Trace screen to make sure the codes are being received. If not, check the Connections screen for an activated scanner.

Resolution: If your scanner is connected (the LED is single blinking), but no data is entering into your trace screen or any application, security settings on your BlackBerry may be preventing you from scanning data. Verify that KeyStroke Injection is allowed on your device. To learn more, visit http://www.microvision.com/barcode/products/software/sw_bb_reqs.html.

Resetting the Scanner

If you are experiencing issues and none of the Troubleshooting tips have helped, it is advised to reset your scanner.

- Pressing and holding its button for about 10 seconds until it has beeped twice. When you release the button it will beep again if it has reset successfully.
- Remove the batteries from the scanner. Wait 10 seconds. Install the batteries and attach the battery door.

Still having trouble?

Please contact your reseller for additional support.

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