

# Table of Contents

Foreword	0
<b>Part I Introduction</b>	<b>3</b>
<b>Part II Installation</b>	<b>3</b>
1 Trial Version.....	3
2 Full Version.....	3
<b>Part III How to Distribute It</b>	<b>3</b>
<b>Part IV Office 2007 &amp; 2010</b>	<b>4</b>
1 Word .....	4
Install Template File .....	4
Create Single Barcode .....	5
Create Multiple Barcodes .....	6
Mail Merge .....	7
2 Excel.....	10
Change Settings .....	10
Create Multiple Barcodes .....	11
3 Access.....	12
<b>Part V Office 2000 &amp; 2003</b>	<b>12</b>
1 Word.....	12
Install Template File .....	12
Create Single Barcode .....	13
Create Multiple Barcodes .....	14
Mail Merge .....	15
2 Excel.....	16
Change Settings .....	16
Create Multiple Barcodes .....	17
<b>Part VI Reference Guide</b>	<b>19</b>
1 Properties.....	19
BackColor Property .....	19
BarColor Property .....	19
BarHeight Property .....	19
BearerBarType Property .....	20
BorderWidth Property .....	20
CheckDigit Property .....	20
CheckDigitToText Property .....	21
CodabarStartChar Property .....	21
CodabarEndChar Property .....	21
Data Property .....	21
ImageData Property .....	22
NarrowBarWidth Property .....	22

Orientation Property .....	23
ShowText Property .....	23
Supplement Property .....	23
SupplementGap Property .....	24
SupplementType Property .....	24
SymbologyType Property .....	24
TextFont Property .....	27
UPCESystem Property .....	27
Wide2NarrowRatio Property .....	28
<b>2 Methods.....</b>	<b>28</b>
CodeOne Method .....	28
CopyToClipboard Method .....	28
GetActualSize Method .....	29
MicroPDF417 Method .....	29
MicroQRCode Method .....	29
Render Method .....	30
SaveAsBMP Method .....	30
SaveAsWMF Method .....	31
SetAccessFont Method .....	31
SetSize Method .....	32

<b>Part VII License</b>	<b>32</b>
-------------------------	-----------

<b>Index</b>	<b>0</b>
--------------	----------

---

# 1 Introduction

MW6 Barcode ActiveX Control supports over 90 symbologies including Code 39, Code 128, GS1-128, EAN 13, EAN 8, UPC-A, UPC-E, Royal Mail 4 State, USPS OneCode, Deutsche Post Identcode, Deutsche Post Leitcode, Japan Postal Code, Micro PDF417, Micro QRCode, CodaBlock-F, Code 16K and Code 49, please check out this page for complete list of featured barcodes.

It is workable in any Windows application compatible with the ActiveX OLE technology such as Word, Access, Excel, Visual Basic, Visual C++, Visual FoxPro, Delphi, C++ Builder, VB.Net, C#.Net and Internet Explorer, you can save the barcode as BMP file or WMF file for high quality printing.

## 2 Installation

### 2.1 Trial Version

1. UnZip MW6Barcode.zip, run the setup.exe to install Barcode ActiveX.
2. The trial version Barcode ActiveX adds "MW6 Demo" at the top of the barcode.
3. If you want to use Barcode ActiveX in 64-bit version Office Word, Excel or Access, go to the installation sub folder (e.g., "*C:\Program Files (x86)\MW6 ActiveX Components\Barcode\64BitDLL*") to grab trial version 64-bit version **Barcode\_x64.dll** and go to "**How to Distribute It**" section to find out how to get it registered.

### 2.2 Full Version

1. Uninstall the trial version Barcode ActiveX if applicable.
2. Unzip full version Barcode ActiveX .zip file and run the setup.exe to install the full version Barcode ActiveX.
3. If you want to use Barcode ActiveX in 64-bit version Office Word, Excel or Access, go to the installation sub folder (e.g., "*C:\Program Files (x86)\MW6 ActiveX Components\Barcode\64BitDLL*") to grab full version 64-bit version **Barcode\_x64.dll** and go to "**How to Distribute It**" section to find out how to get it registered.

## 3 How to Distribute It

If you want to redistribute the Barcode ActiveX as part of your application, please follow the instructions below:

- 1) For 32-bit version Windows OS, put 32-bit version **Barcode.dll** into the windows 32-bit system folder (e.g. "*c:\windows\system32*" or "*c:\winnt\system32*") on the target machine and run "*regsvr32 Barcode.dll*" to register it.
- 2) For 64-bit version Windows OS, put 32-bit version **Barcode.dll** into the SysWOW64 folder (e.g. "*c:\windows\SysWOW64*") on the target machine, and run the following commands to register it:
  - *cd c:\windows\SysWOW64*
  - *regsvr32 Barcode.dll*

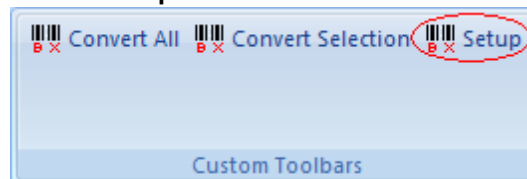
- 3) If you want to use Barcode ActiveX in 64-bit version Office Word, Excel or Access, put 64-bit version **Barcode\_x64.dll** into "c:\windows\system32" folder, and run the following commands to register it:
- cd c:\windows\system32
  - regsvr32 Barcode\_x64.dll
- 4) For Windows Vista or above, you need to use an elevated Command Prompt to run *regsvr32.exe* command, click "**Start**" > "**All Programs**" > "**Accessories**", right-click "**Command Prompt**", and then click "**Run as administrator**".

## 4 Office 2007 & 2010

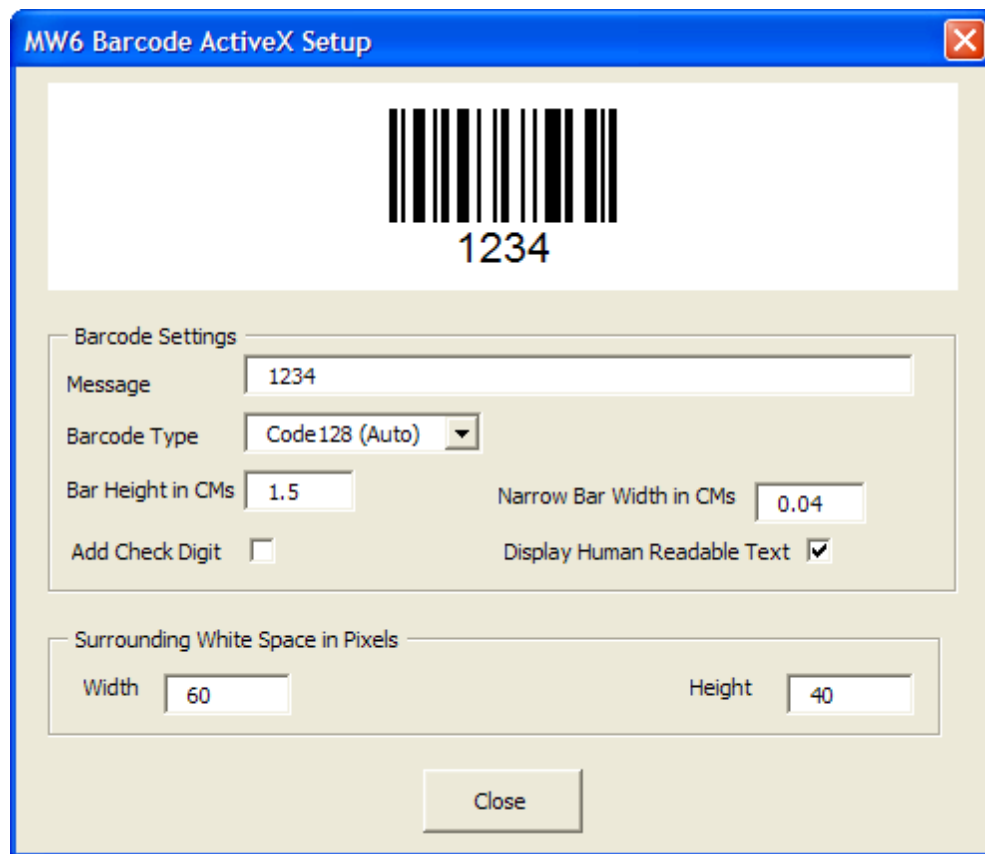
### 4.1 Word

#### 4.1.1 Install Template File

1. Locate Microsoft Word Startup folder, which usually is "C:\Documents and Settings\<user name>\Application Data\Microsoft\Word\STARTUP" for **Windows XP** or "C:\Users\<user name>\AppData\Roaming\Microsoft\Word\STARTUP" for **Windows Vista and above**.
2. Copy MW6\_Barcode\_ActiveX.dotm to this folder.
3. Click on "**Add-Ins**", then click on "**Setup**".

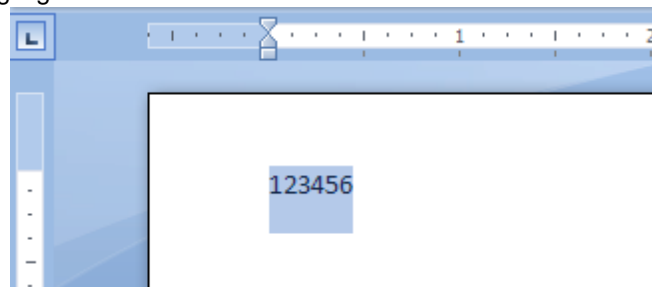


4. Choose a few appropriate values for barcode type, bar height, narrow bar width, etc.
-

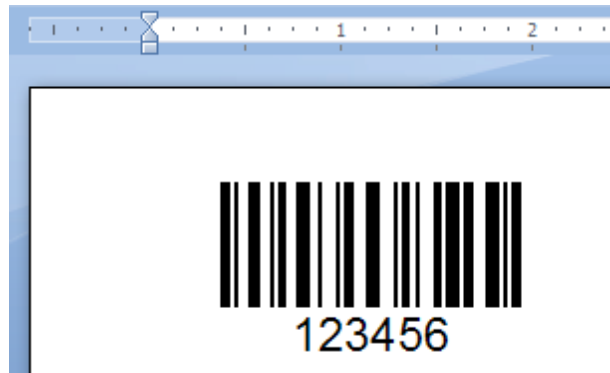


#### 4.1.2 Create Single Barcode

1. Enter a string and highlight it.

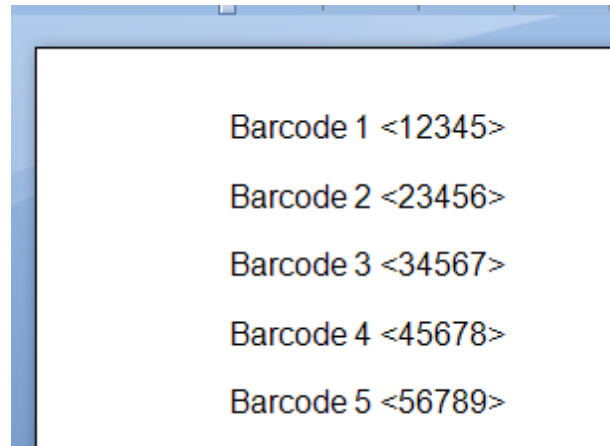


2. Click on "**Add-Ins**", then click on "**Convert Selection**" to create a barcode.

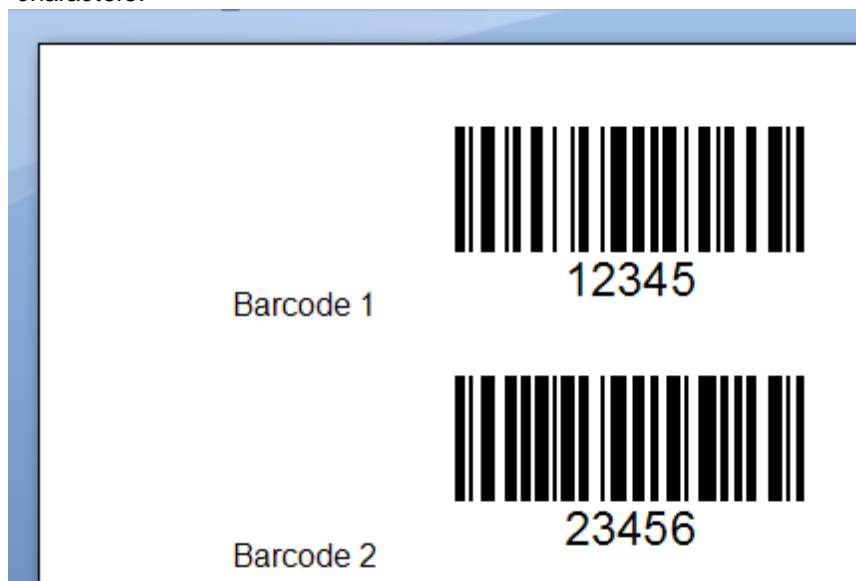


#### 4.1.3 Create Multiple Barcodes

1. Enter a few strings, surround the strings which will be converted to the barcodes with the "<" and ">" characters.

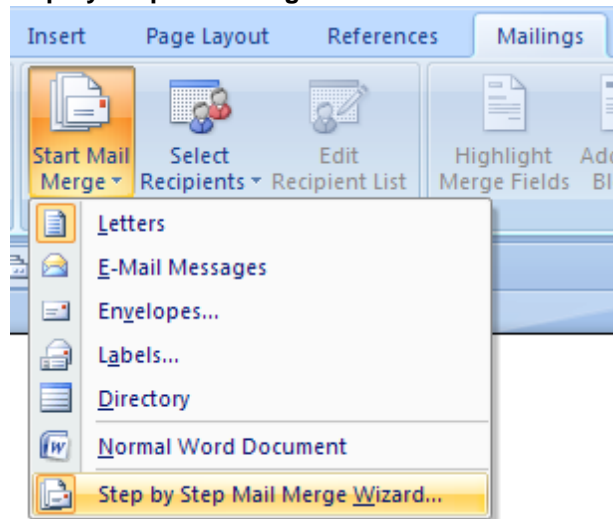


2. Click on "**Add-Ins**", then click on "**Convert All**" to create the barcodes for the strings surrounded with the "<" and ">" characters.

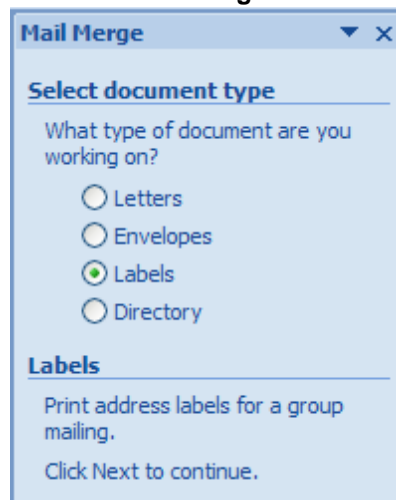


#### 4.1.4 Mail Merge

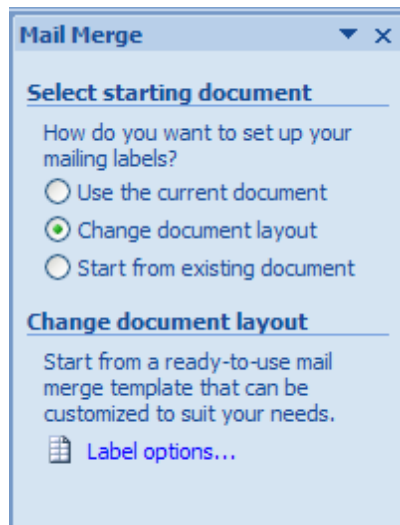
1. Click on "**Mailings**", then click on "**Start Mail Merge**". A drop-down list appears as shown below, select the last option "**Step by Step Mail Merge Wizard**".



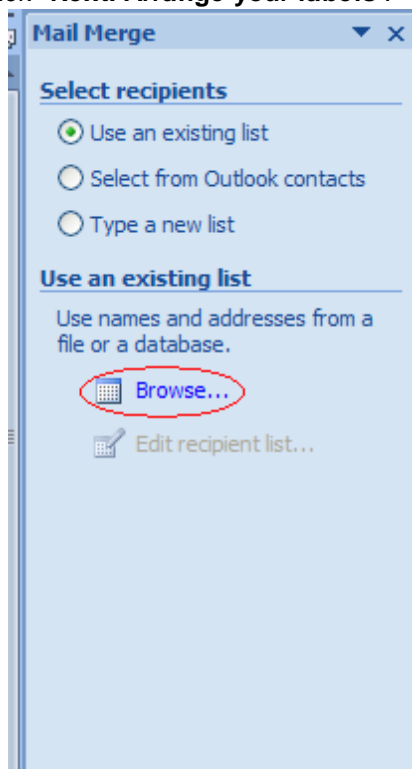
2. Select a document type and click on "**Next: Starting document**".



3. Click on "**Change document layout**", then choose an appropriate option and click "**Ok**", click on "**Next: Select recipients**".

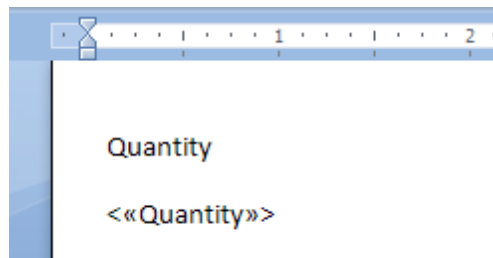


4. Select "**Use an existing list**" and click on "**Browser**" link, choose "MW6\_Barcode\_ActiveX.accdb" database as an existing list, click "**Next: Arrange your labels**".

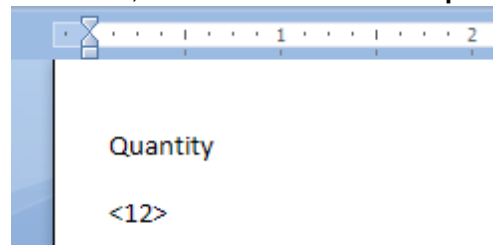


5. Surround the string which will be converted to a barcode with the "<" and ">" characters.
-

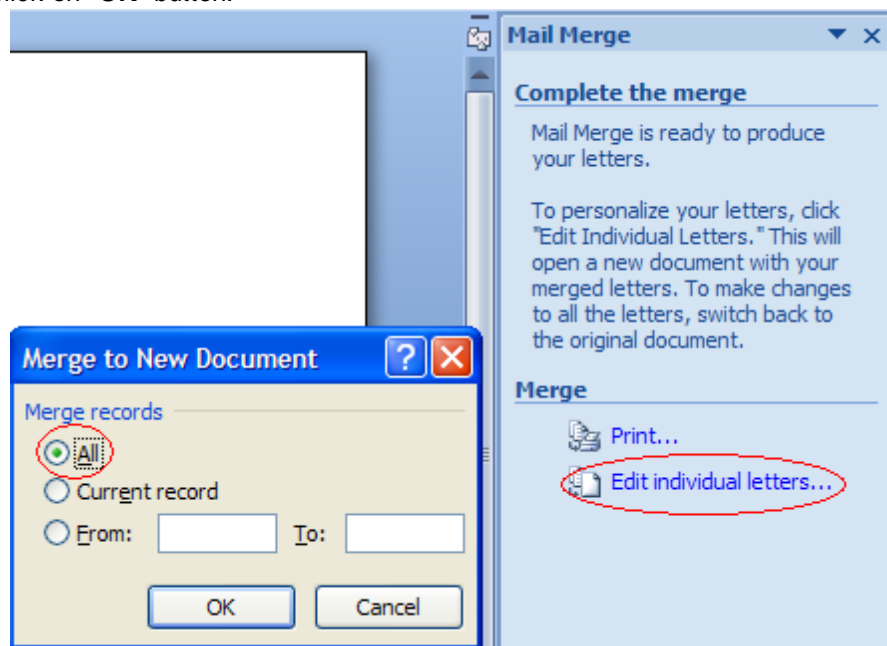




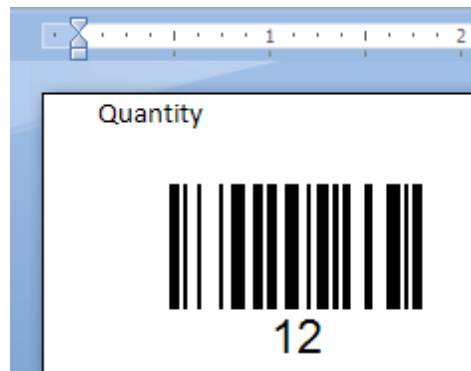
6. Click on "**Next: Preview your letters**", then click on "**Next: Complete the merge**".



7. Click on "**Edit individual letters**", this opens up "**Merge to New Document**" dialog, click on "**All**" and then click on "**OK**" button.



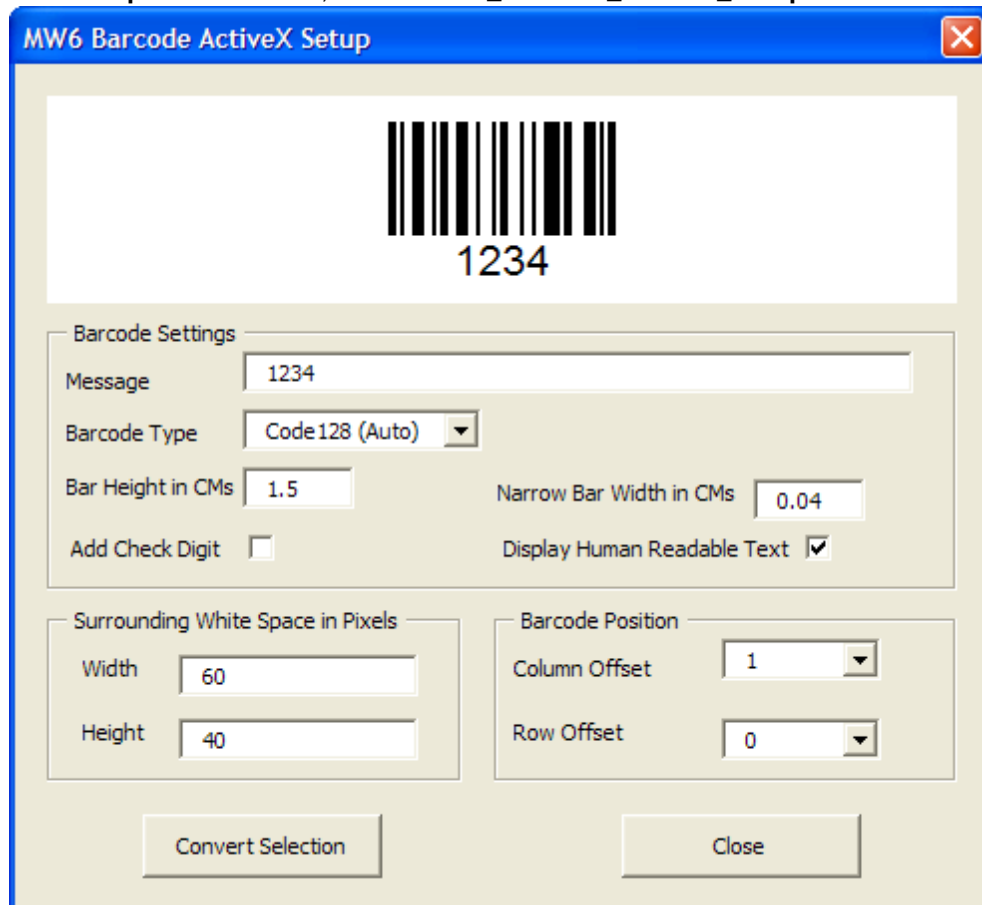
8. Click on "**Add-Ins**", then click on "**Convert All**" to create the barcodes.



## 4.2 Excel

### 4.2.1 Change Settings

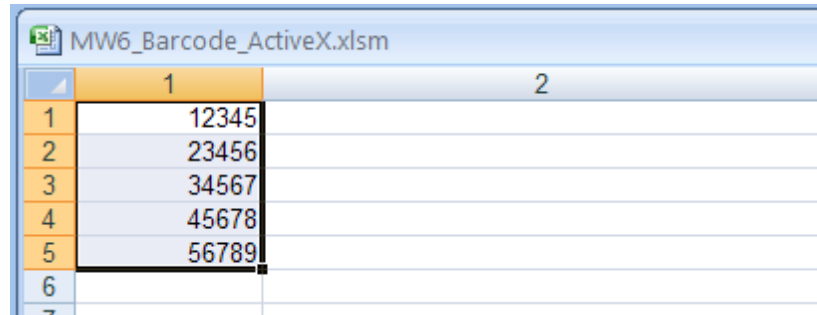
1. In Excel, open MW6\_Barcode\_ActiveX.XLSM.
2. If you see **"Security Warning, Macros have been disabled"**, click on **"Options"** to open **"Microsoft Office Security Options"** dialog, toggle on **"Enable this content"** check box.
3. Click on **"Developer"** > **"Macros"**, select **"MW6\_Barcode\_ActiveX\_Setup"** and click **"Run"**.



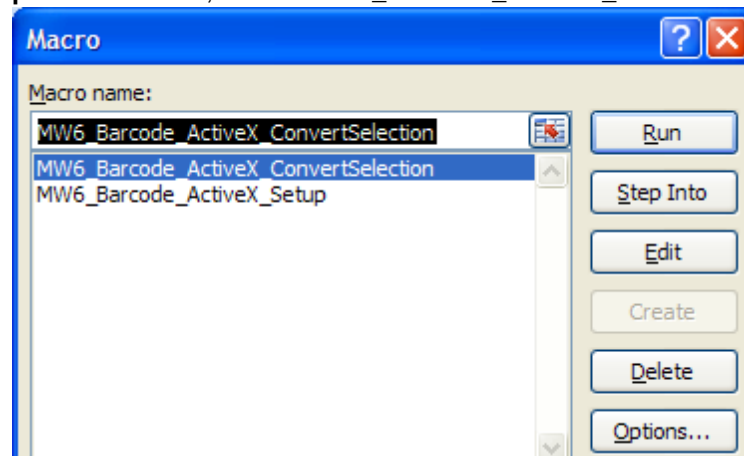
4. Choose a few appropriate values for barcode type, bar height, narrow bar width, etc., "Column Offset" and "Row Offset" are used to specify the barcode position relative to the position of a cell which contains the regular string.

#### 4.2.2 Create Multiple Barcodes

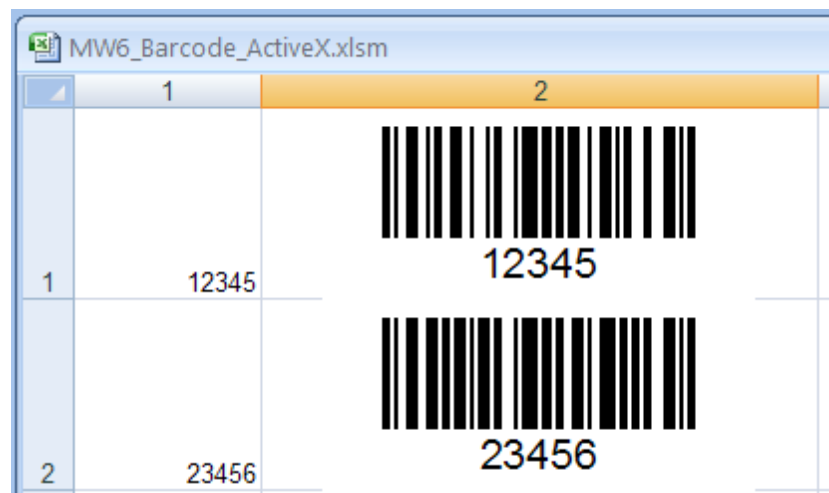
1. Select a few cells.



2. Click on "Developer" > "Macros", select "MW6\_Barcode\_ActiveX\_ConvertSelection".



3. Click on "Run" to create the barcodes for the selected cells.



## 4.3 Access

1. Open MW6\_Barcode\_ActiveX.accdb, select **"Sample Barcode ActiveX Report"**.
2. If you see **"Security Warning, Certain content in the database has been disabled"**, click on **"Options"** to open up **"Microsoft Office Security Options"** dialog, toggle on **"Enable this content"** check box.

## 5 Office 2000 & 2003

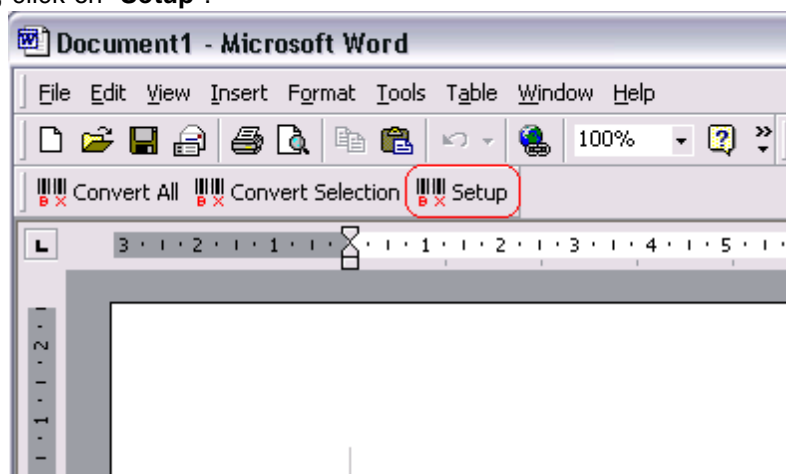
### 5.1 Word

#### 5.1.1 Install Template File

1. Locate the Word Startup folder, the Startup folder can be found in the following locations:

OS	Location
Windows 2000/XP	"C:\Documents and Settings\<user name>\Application Data\Microsoft\Word\Startup"
Windows NT4	"C:\Winnt\Profiles\<user name>\Application Data\Microsoft\Word\Startup"
Windows 95, 98, ME	Office XP: "C:\Program Files\Microsoft Office\Office10\Startup"
	Office 2000/97: "C:\Program Files\Microsoft Office\Office\Startup"

2. Copy MW6\_Barcode\_ActiveX.dot, which usually is in the folder "c:\Program Files\MW6 ActiveX Components\Barcode\Word Demo", to the Word Startup folder.
3. Open up Word, click on **"Setup"**.

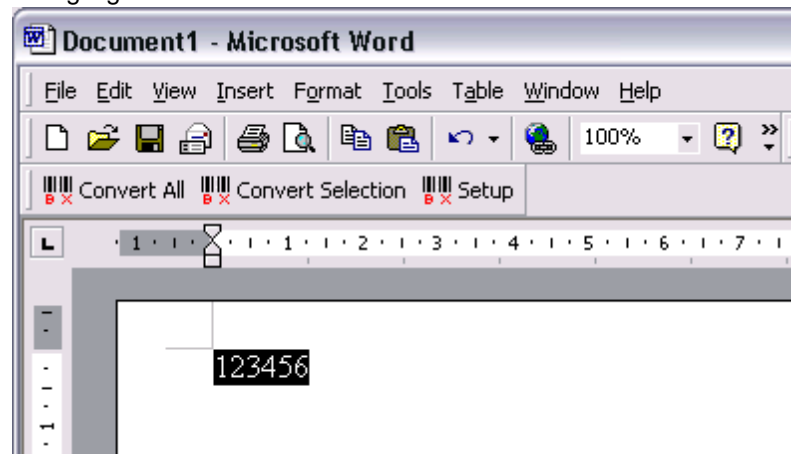


4. Choose a few appropriate values for barcode type, bar height, narrow bar width, etc.

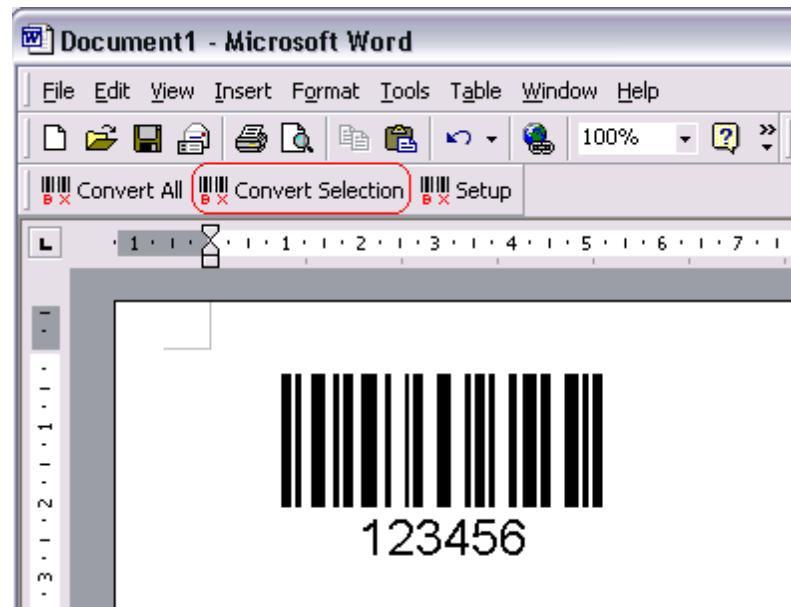


### 5.1.2 Create Single Barcode

1. Enter a string and highlight it.

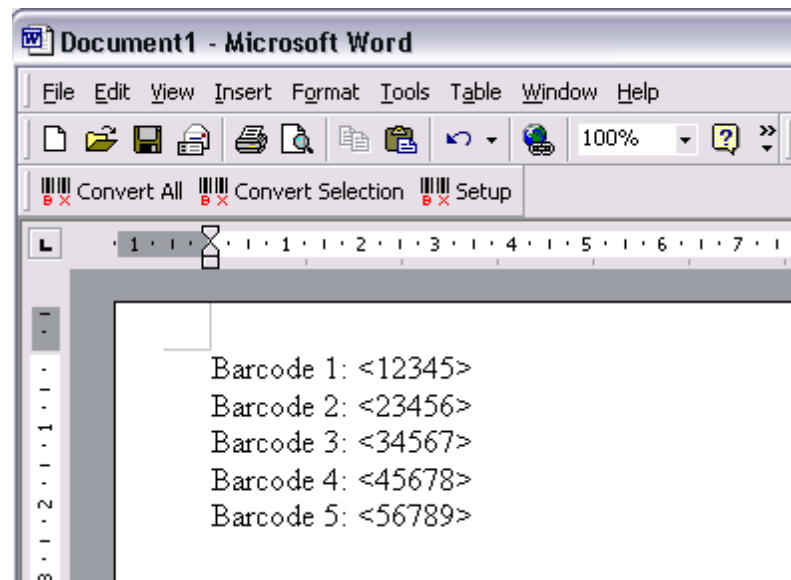


2. Click on "**Convert Selection**" to create a barcode.

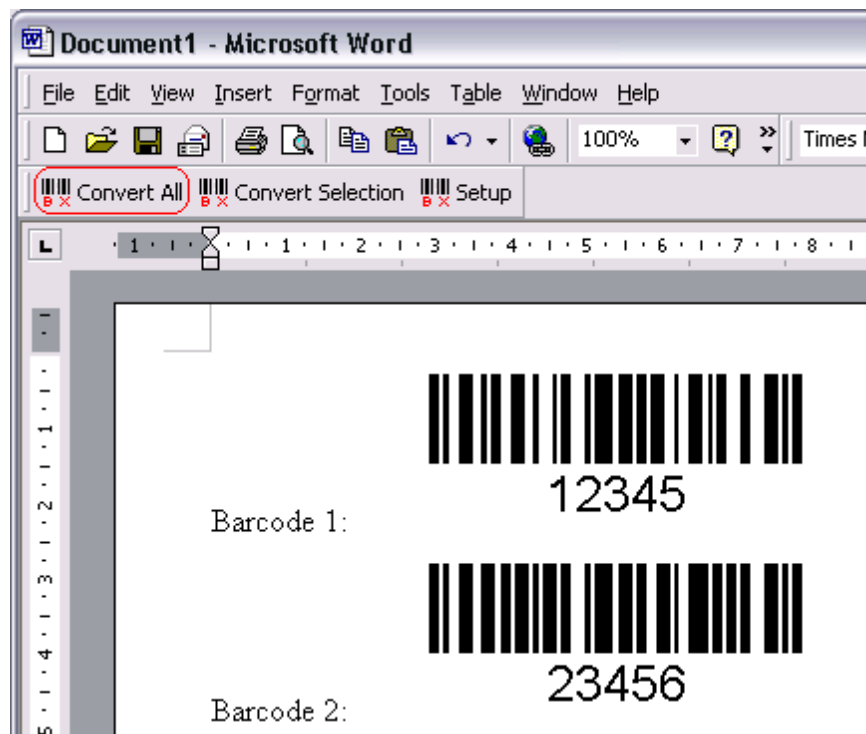


### 5.1.3 Create Multiple Barcodes

1. Enter a few strings, surround the strings which will be converted to the barcodes with the "<" and ">" characters.

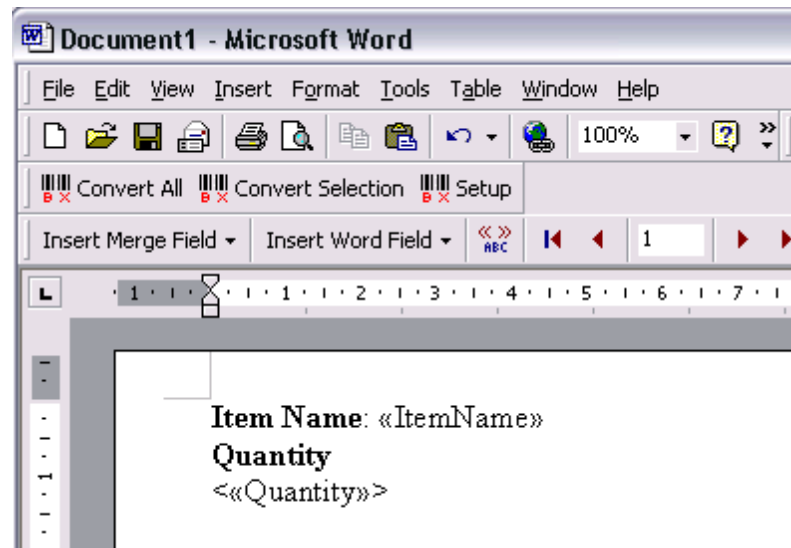


2. Click on "**Convert All**" to create the barcodes for the strings surrounded with the "<" and ">" characters.

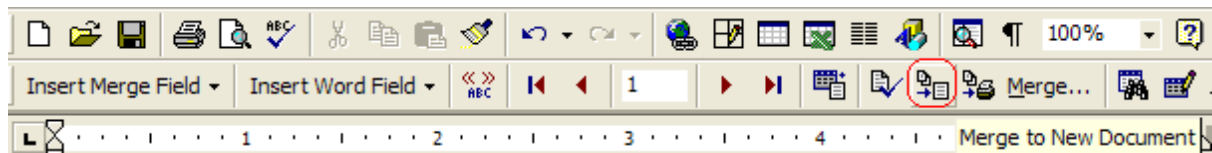


#### 5.1.4 Mail Merge

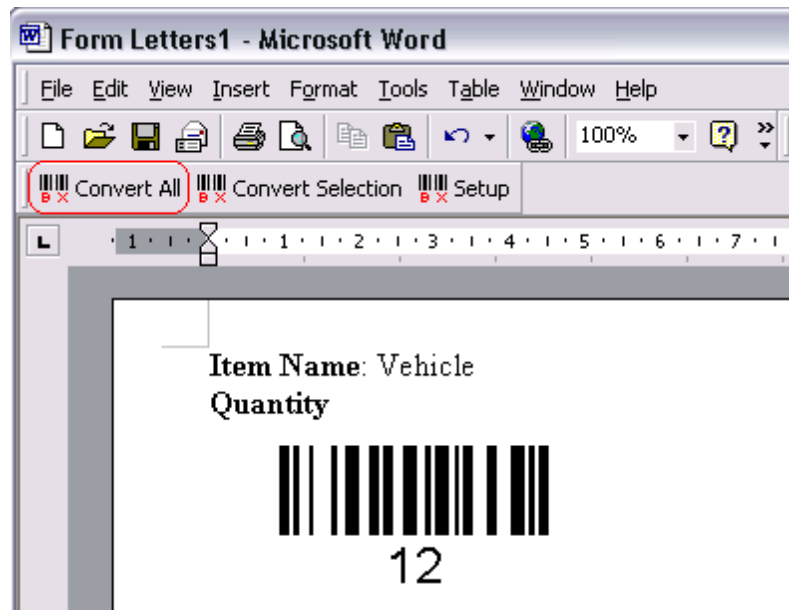
1. In Mail Merge, choose MW6\_Barcode\_ActiveX.mdb as the data source, surround the strings which will be converted to the barcodes with the "<" and ">" characters.



2. Click on "Merge to New Document".



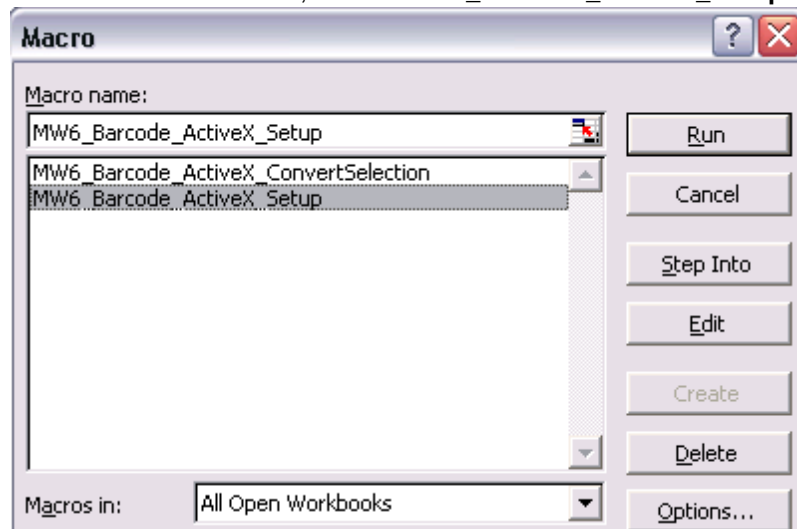
3. Click on "**Convert All**" to create the barcodes for the strings surrounded with the "<" and ">" characters.



## 5.2 Excel

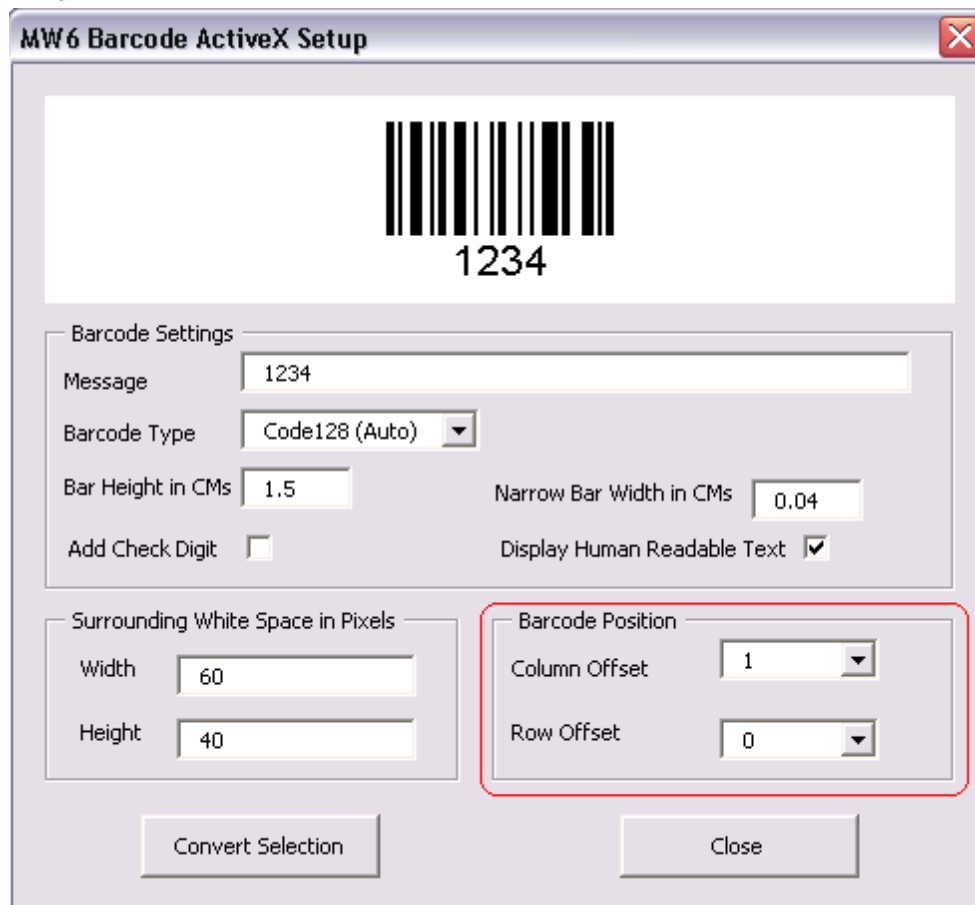
### 5.2.1 Change Settings

1. In Excel, open MW6\_Barcode\_ActiveX.XLS.
2. Click on "**Tools**" > "**Macro**" > "**Macros**", select "**MW6\_Barcode\_ActiveX\_Setup**".





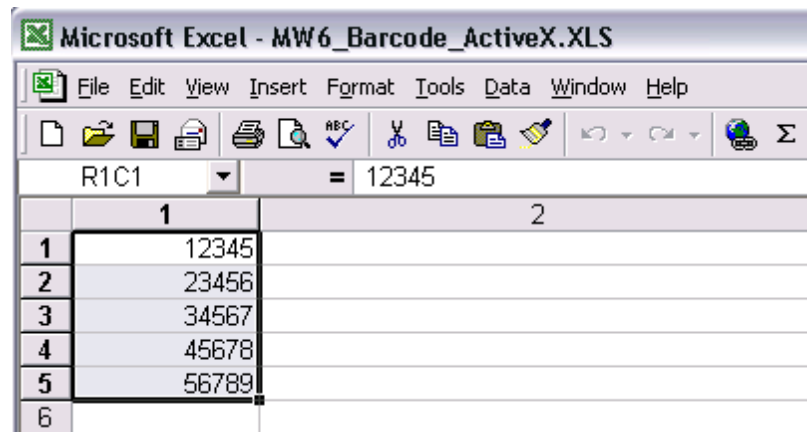
- Click on **"Run"**.



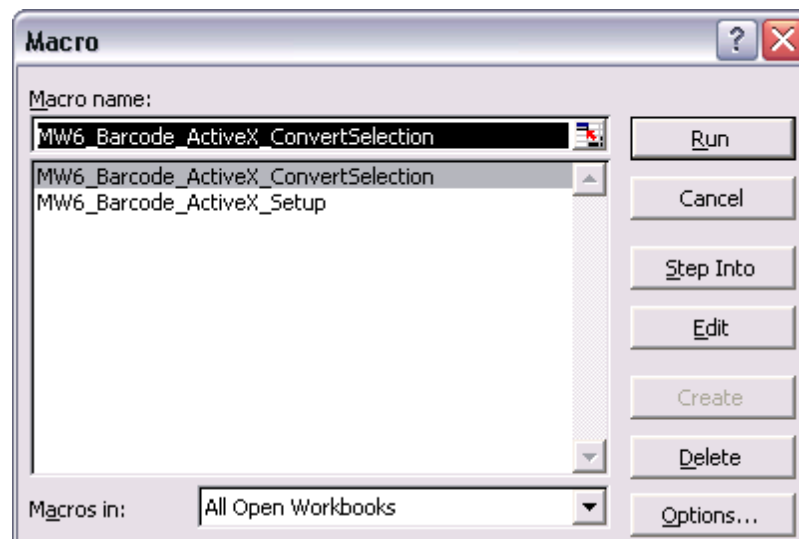
- Choose a few appropriate values for barcode type, bar height, narrow bar width, etc., "Column Offset" and "Row Offset" are used to specify the barcode position relative to the position of a cell which contains the regular string.

## 5.2.2 Create Multiple Barcodes

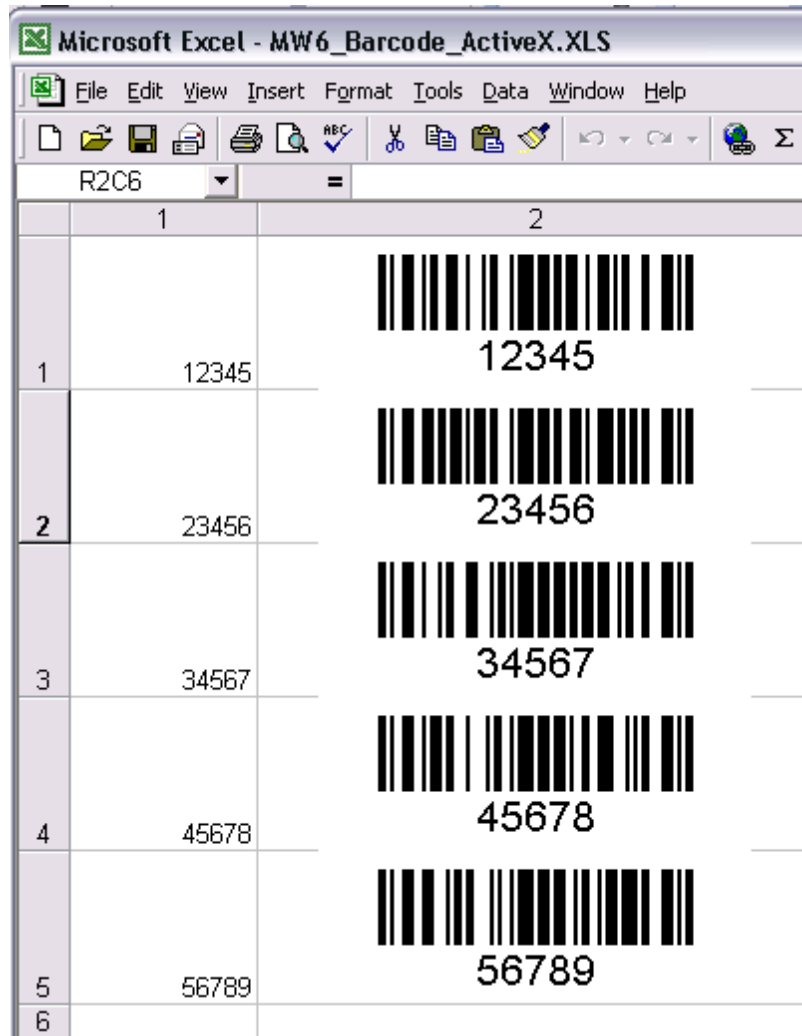
- Select a few cells.



- Click on **"Tools" > "Macro" > "Macros"**, select **"MW6\_Barcode\_ActiveX\_ConvertSelection"**.



3. Click on "Run" to create the barcodes for the selected cells.



## 6 Reference Guide

### 6.1 Properties

#### 6.1.1 BackColor Property

Gets or sets the background color of the barcode.

**Property Data Type**

OLE\_COLOR

**Remarks**

The default value is white color.

#### 6.1.2 BarColor Property

Gets or sets the color of the barcode and the human readable text.

**Property Data Type**

OLE\_COLOR

**Remarks**

The default value is black color.

#### 6.1.3 BarHeight Property

Gets or sets the bar height in centimeters.

**Property Data Type**

float

**Remarks**

The default value is 1.5, internally our barcode ActiveX converts bar height from centimeters to pixels based on device resolution, round up or round down float pixel value to the nearest integer.

The centimeter to pixel conversion formula is :

$$size\_in\_pixels = size\_in\_centimeters * device\_resolution / 2.54$$

For example, if you render barcode on computer screen and the screen resolution is 96dpi.

(1) Set BarHeight property to 1.5,  $size\_in\_pixels = 1.5 * 96 / 2.54 = 56.6929$ , round up 56.6929 to 57, so actual bar height is 57 pixels.

(2) Set BarHeight property to 1.52,  $\text{size\_in\_pixels} = 1.52 * 96 / 2.54 = 57.4488$ , round down 57.4488 to 57, so actual bar height is 57 pixels.

(3) Set BarHeight property to 1.54,  $\text{size\_in\_pixels} = 1.54 * 96 / 2.54 = 58.2047$ , round down 58.2047 to 58, so actual bar height is 58 pixels.

Different BarHeight property values might end up with same bar height in pixels due to performing rounding operations.

#### 6.1.4 BearerBarType Property

Gets or sets the style of bearer bar for a few kinds of barcodes.

##### Property Data Type

short

##### Remarks

The default value is 0, this property can be one of the following values:

Value	Description
0	No Bearer Bar
1	Horizontal Bearer Bars
2	Bearer Bar Box Around Barcode

#### 6.1.5 BorderWidth Property

Gets or sets the border width in centimeters.

##### Property Data Type

float

##### Remarks

The default value is 0, a valid value must be between 0 and 1.

#### 6.1.6 CheckDigit Property

Gets or sets a boolean flag indicating whether the check digit is required or not.

##### Property Data Type

VARIANT\_BOOL

##### Remarks

The default value is FALSE, the check digit is mandatory for all symbologies except for Code 39, Industrial 2 of 5 and Codabar.

---

### 6.1.7 CheckDigitToText Property

Gets or sets a boolean flag indicating whether the check digit should be displayed in the barcode human readable text or not.

#### Property Data Type

VARIANT\_BOOL

#### Remarks

The default value is FALSE.

### 6.1.8 CodabarStartChar Property

Gets or sets the start character of CodaBar.

#### Property Data Type

short

#### Remarks

The default value is 0, this property can be one of the following values:

Value	Description
0	Start character 'A'
1	Start character 'B'
2	Start character 'C'
3	Start character 'D'

### 6.1.9 CodabarEndChar Property

Gets or sets the end character of CodaBar.

#### Property Data Type

short

#### Remarks

The default value is 1, this property can be one of the following values:

Value	Description
0	End character 'A'
1	End character 'B'
2	End character 'C'
3	End character 'D'

### 6.1.10 Data Property

Gets or sets the message to encode with Barcode ActiveX.

**Property Data Type**

BSTR

**Remarks**

The default value is "1234".

If the SymbologyType property is set to UCC/EAN128 (GS1-128), you could use a "FNC1" string to indicate the end of a varied-length data field. For example, set the "Data" property to "(01)12345678901234(10)12345FNC1(11)080101", "FNC1" is used to indicate the end of the data field after the Application Identifier (AI) #10, since AI #10 allows the corresponding data field to have 1-20 alphanumeric characters.

**6.1.11 ImageData Property**

Gets WMF format data stream of the barcode.

**Property Data Type**

IPictureDisp\*

**6.1.12 NarrowBarWidth Property**

Gets or sets the narrow bar width in centimeters.

**Property Data Type**

float

**Remarks**

The default value is 0.07, internally our barcode ActiveX converts narrow bar width from centimeters to pixels based on device resolution, round up or round down float pixel value to the nearest integer.

The centimeter to pixel conversion formula is :

$$size\_in\_pixels = size\_in\_centimeters * device\_resolution / 2.54$$

For example, if you render barcode on computer screen and the screen resolution is 96dpi.

(1) Set NarrowBarWidth property to 0.04,  $size\_in\_pixels = 0.04 * 96 / 2.54 = 1.5118$ , round up 1.5118 to 2, so actual narrow bar width is 2 pixels.

---

(2) Set NarrowBarWidth property to 0.06,  $\text{size\_in\_pixels} = 0.06 * 96 / 2.54 = 2.2677$ , round down 2.2677 to 2, so actual narrow bar width is 2 pixels.

(3) Set NarrowBarWidth property to 0.07,  $\text{size\_in\_pixels} = 0.07 * 96 / 2.54 = 2.6456$ , round up 2.6456 to 3, so actual narrow bar width is 3 pixels.

Different NarrowBarWidth property values might end up with same narrow bar width in pixels due to performing rounding operations.

### 6.1.13 Orientation Property

Gets or sets the orientation of the barcode.

#### Property Data Type

short

#### Remarks

The default value is 0, this property can be one of the following values:

Value	Description
0	0 degree
1	90 degrees
2	180 degrees
3	270 degrees

### 6.1.14 ShowText Property

Gets or sets a boolean flag indicating whether the human readable text should be displayed or not.

#### Property Data Type

VARIANT\_BOOL

#### Remarks

The default value is TRUE.

### 6.1.15 Supplement Property

Gets or sets the supplement string to encode with UPC or EAN.

#### Property Data Type

BSTR

#### Remarks

The default value is an empty string.

### 6.1.16 SupplementGap Property

Gets or sets the distance, in centimeters, between the normal barcode and the supplement section.

#### Property Data Type

float

#### Remarks

The default value is 1.0, internally our barcode ActiveX converts this property value from centimeters to pixels based on device resolution, so different SupplementGap property values might end up with same supplement gap in pixels due to performing rounding operations.

#### See Also

BarHeight Property | NarrowBarWidth Property

### 6.1.17 SupplementType Property

Gets or sets the supplement type.

#### Property Data Type

short

#### Remarks

The default value is 0, this property can be one of the following values:

Value	Description
0	None
1	Supplement 2
2	Supplement 5

### 6.1.18 SymbologyType Property

Gets or sets the barcode type.

#### Property Data Type

short

#### Remarks

The default value is 4 indicating Code128, this property can be one of the following values:

Value	Barcode Description	Allow Beare r Bars?	Allow Supplement 2 or 5?	Sample Barcode String



1D Barcodes				
1	Channel Code			
2	Codabar			
3	Code 11			
4	Code 128			1234ABCD+/-
5	Code 128 (Set A)			
6	Code 128 (Set B)			
7	Code 128 (Set C)			
8	Code 32 or Italian Pharmacode			
9	Code 39			1234ABCD
10	Code 39 Extended			
11	Code 93			
12	Data Logic 2/5	Yes		
13	EAN128/UCC (GS1-128)			(21)95FNC1(11)090101
14	EAN 13		Yes	123456789012
15	EAN 8		Yes	1234567
16	EAN Velocity		Yes	
17	Flattermarken			
18	GS1 Databar-14			1234567890123
19	GS1 DataBar Expanded			
20	GS1 DataBar Expanded Stacked			
21	GS1 Databar Limited			
22	GS1 Databar Stacked			
23	GS1 DataBar Stacked Omnidirectional			
24	GS1 Databar Truncated			
25	GS1 Databar-14 Composite			
26	GS1 DataBar Expanded Composite			(01)1234567890123
27	GS1 DataBar Expanded Stacked Composite			
28	GS1 Databar Limited Composite			
29	GS1 Databar Stacked Composite			
30	GS1 DataBar Stacked Omnidirectional Composite			
31	HIBC Code 128 for LIC or PAS			+H123ABC01234567890D
32	HIBC Code 39 for LIC or PAS			+/-EAH783B
33	HIBC CodaBlock-F for LIC or PAS			+/-EAH783/Z34H159\$
34	HIBC Micro PDF417 for LIC or PAS			
35	IATA 2 of 5 Barcode	Yes		
36	Industrial 2 of 5 Barcode	Yes		
37	Interleaved 2 of 5 Barcode	Yes		
38	ISBN or International Standard Book Number		Yes	3161484100
39	ISMN or International Standard Music Number		Yes	M-2306-7118-7
40	ISSN or International Standard Serial Number		Yes	0264-3596

41	ITF-14 or UPC Shipping Container Symbol	Yes		
42	JAN 13		Yes	
43	JAN 8		Yes	
44	Logmars			
45	Matrix 2 of 5 Barcode	Yes		
46	MSI/Plessey			
47	Numly Number or ESN			1234567890123456789
48	Optical Product Code		Yes	123456789
49	Pharmacode One-Track			
50	Pharmacode Two-Track			
51	Pharma-Zentral-Nummer			123456
52	SCC-14 or Shipping Container Code			
53	SSCC-18 or UPC-128 Shipping Container Code			
54	Telepen Alpha			
55	Telepen Numeric			
56	UK Plessey			
57	UPC-A		Yes	1234567890
58	UPC-E		Yes	1234567
59	VICS BOL or VICS Bill of Lading			
60	VICS SCAC PRO			
<b>Postal Code Barcodes</b>				
61	Australia Postal Standard Customer			
62	Australia Postal Redirection			
63	Australia Postal Reply Paid			
64	Australia Postal Routing			
65	China Postal Code			
66	Danish Postal Code			CC12345678
67	Deutsche Post Identcode			12345678901
68	Deutsche Post Leitcode			1234567890123
69	France Postal Code 39			RA12345678
70	Italy Postal Code 2/5			
71	Italy Postal Code 39			
72	Japan Postal Code			1234567AZ
73	KIX or Netherlands Postal Code			A12345678
74	Korean Postal Code			123456
75	Royal Mail 4 State			
76	Singapore Postal Code			
77	Swiss Parcel Post Barcode			
78	USPS DAFT Code			DAFTTFAD
79	USPS Facing Identification Mark			A
80	USPS Horizontal Bars			
81	USPS OneCode or USPS Intelligent Mail			12345678901234567890 +50309
82	USPS PLANET			

83	USPS POSTNET			
84	USPS Sack Label			50309123
85	USPS Tray Label			5030912345
<b>2D Barcodes</b>				
86	Codablock-F			
87	Code 16K			
88	Code 49			
89	Code One			
90	Micro PDF417			
91	Micro QRCode			

### 6.1.19 TextFont Property

Gets or sets the font of human readable text in the barcode.

#### Property Data Type

IFontDisp\*

#### Remarks

Since this property is not visible in the property page of control in Access, use SetAccessFont() method to set the font property of human readable text in the barcode.

#### See Also

SetAccessFont() Method

### 6.1.20 UPCESystem Property

Gets or sets the encoding system of UPC-E barcode.

#### Property Data Type

short

#### Remarks

The default value is 0, this property can be one of the following values:

Value	Description
0	System 0
1	System 1

### 6.1.21 Wide2NarrowRatio Property

Gets or sets the ratio of the wide bar to the narrow bar.

#### Property Data Type

float

#### Remarks

The default value is 2.0, typically this property value is between 2 and 3.

## 6.2 Methods

### 6.2.1 CodeOne Method

Specifies the version of 2D Code One barcode.

```
void CodeOne(short COVersion);
```

#### Parameters

*COVersion*

Specifies the version of Code One, this parameter can be one of the following values:

Value	Size
1	16 X 18
2	22 X 22
3	28 X 32
4	40 X 42
5	52 X 54
6	70 X 76
7	104 X 98
8	148 X 134
9	8 X varied width
10	16 X varied width

### 6.2.2 CopyToClipboard Method

Copies the barcode image into the system clipboard.

```
void CopyToClipboard();
```

#### Remarks

Before you call this method, use `GetActualSize()` method to obtain the actual size of the barcode and use `SetSize()` method to set image size by adding surrounding white space around the barcode.

#### See Also

`GetActualSize()` Method | `SetSize()` Method

---

### 6.2.3 GetActualSize Method

Gets the actual size of the barcode which is rendered onto either computer screen or other devices such as printers.

```
void GetActualSize(VARIANT_BOOL ScreenIsTarget, long TargetHDC, long *ActualWidth, long *ActualHeight);
```

#### Parameters

*ScreenIsTarget*

Indicates whether the barcode is rendered onto computer screen or not.

*TargetHDC*

Device context on which to render the barcode, if the parameter *ScreenIsTarget* is set to TRUE, set this parameter to NULL.

*ActualWidth*

A pointer to the variable that receives the width of the barcode (in pixels).

*ActualHeight*

A pointer to the variable that receives the height of the barcode (in pixels).

### 6.2.4 MicroPDF417 Method

Specifies the number of columns for 2D Micro PDF417 barcode.

```
void MicroPDF417(short Columns);
```

#### Parameters

*Columns*

Specifies the number of columns, this parameter can be one of the following values:

Value	Description
1	1 column
2	2 columns
3	3 columns
4	4 columns

### 6.2.5 MicroQRCode Method

Specifies the version and error correction level for 2D Micro QRCode barcode.

```
void MicroQRcode(short MQVersion, short MQLevel);
```

#### Parameters

*MQVersion*

Specifies the version of Micro QRCode, this parameter can be one of the following values:

Value	Description
-------	-------------

1	Version M1 with the size 11 X 11
2	Version M2 with the size 13 X 13
3	Version M3 with the size 15 X 15
4	Version M4 with the size 17 X 17

#### *MQLevel*

Specifies the error correction level of Micro QRCode, this parameter can be one of the following values:

Value	Description
1	L (applicable to version M2, M3 and M4)
2	M (applicable to version M2, M3 and M4)
3	Q (applicable to version M4 only)

### 6.2.6 Render Method

Renders the barcode onto the device such as computer screen or printers.

```
void Render(long hDC, int x, int y);
```

#### **Parameters**

##### *hDC*

Device context on which to render the barcode.

##### *x*

The x coordinate, in pixels, of the top left corner of the barcode .

##### *y*

The y coordinate, in pixels, of the top left corner of the barcode.

### 6.2.7 SaveAsBMP Method

Saves the barcode image as a BMP file.

```
void SaveAsBMP(BSTR FileName);
```

#### **Parameters**

##### *FileName*

A string that contains the name of the file to which to save BMP format barcode image.

#### **Remarks**

Before you call this method, use `GetActualSize()` method to obtain the actual size of the barcode and use `SetSize()` method to set image size by adding surrounding white space around the barcode.

#### **See Also**

`GetActualSize()` Method | `SetSize()` Method

---

### 6.2.8 SaveAsWMF Method

Saves the barcode image as a WMF file.

```
void SaveAsWMF(BSTR FileName);
```

#### Parameters

*FileName*

A string that contains the name of the file to which to save WMF format barcode image.

#### Remarks

Before you call this method, use `GetActualSize()` method to obtain the actual size of the barcode and use `SetSize()` method to set image size by adding surrounding white space around the barcode.

#### See Also

`GetActualSize()` Method | `SetSize()` Method

### 6.2.9 SetAccessFont Method

Sets the `TextFont` property of the control in Access.

```
void SetAccessFont(BSTR FontName, short FontSize, VARIANT_BOOL Bold, VARIANT_BOOL Italic);
```

#### Parameters

*FontName*

A string that contains the font name.

*FontSize*

Indicates the font size.

*Bold*

Indicates whether a bold style is applied to the font or not.

*Italic*

Indicates whether an italic style is applied to the font or not.

#### Remarks

The `TextFont` property is not visible in the property page of the control in Access, this method can be used to set the font property of human readable text in the barcode.

### 6.2.10 SetSize Method

Sets the size of the image which contains the barcode.

```
void SetSize(long Width, long Height);
```

#### Parameters

##### *Width*

The width, in pixels, of the image.

##### *Height*

The height, in pixels, of the image.

#### Remarks

First call GetActualSize() method to obtain the actual size of the barcode, then use this method to set image size by adding surrounding white space around the barcode.

#### See Also

GetActualSize() Method

## 7 License

### License agreement

This License Agreement ("LA") is the legal agreement between you and MW6 Technologies, Inc. ("MW6") for the font, and any electronic documentation ("Package"). By using, copying or installing the Package, you agree to be bound by the terms of this LA. If you don't agree to the terms in this LA, immediately remove unused Package.

#### 1. License

\* The Single User License allows the use of the software on **ONE** computer by **ONE** person in your organization.

\* The Site License allows the use of the software at exactly 1 physical site by up to 10,000 users in your organization.

\* The Single Developer License allows 1 developer in your organization the royalty-free distribution (up to 10,000 users) of the software to the third parties, **each individual developer requires a separate Single Developer License as long as he or she needs access to MW6's product(s) and document(s).**

\* The 2 Developer License allows 2 developers in your organization the royalty-free distribution (up to 10,000 users) of the software to the third parties.

\* The 3 Developer License allows 3 developers in your organization the royalty-free distribution (up to 10,000 users) of the software to the third parties.

---



\* The 4 Developer License allows 4 developers in your organization the royalty-free distribution (up to 10,000 users) of the software to the third parties.

\* The 5 Developer License allows 5 developers in your organization the royalty-free distribution (up to 10,000 users) of the software to the third parties.

\* The Unlimited Developer License allows unlimited number of developers in your organization the royalty-free distribution (unlimited number of users) of the software to the third parties.

## **2. User Disclaimer**

The software is provided "as is" without warrant of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or noninfringement. MW6 assumes no liability for damages, direct or consequential, which may result from the use of the software. Further, MW6 assumes no liability for losses caused by misuse or abuse of the software. This responsibility rests solely with the end user.

## **3. Copyright**

The software and any electronic documentation are the proprietary products of MW6 and are protected by copyright and other intellectual property laws.