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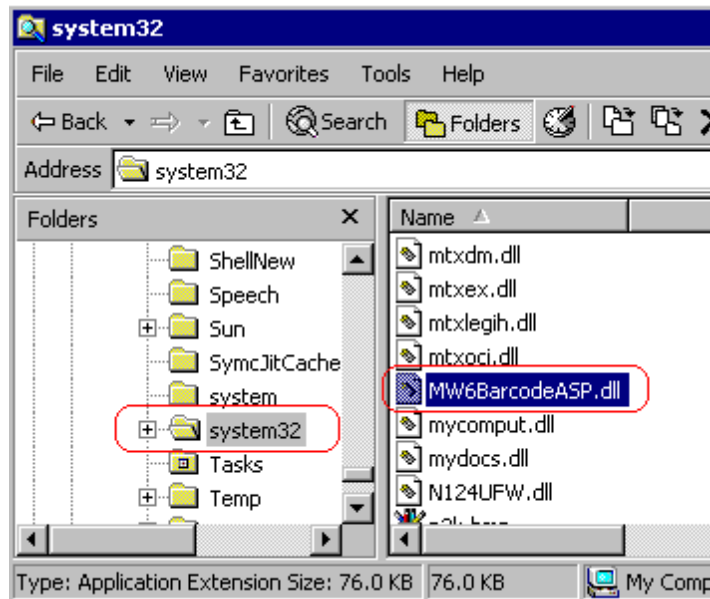
1 Introduction

MW6 Barcode ASP component 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.,

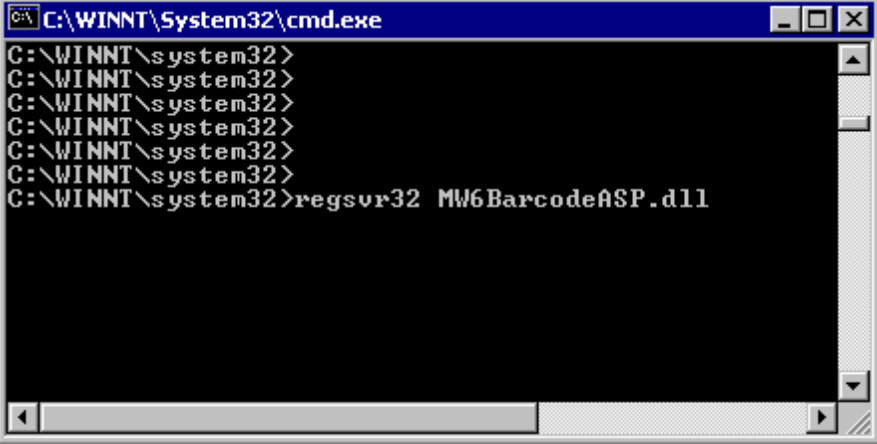
It is an ATL COM product which can add professional quality barcode PNG format image to your web pages hosted on the IIS server.

2 Installation and Testing

1. The trial version Barcode ASP component adds "MW6 Demo" at the top of barcode.
2. For 32-bit version Windows OS, go to the 32-bit system folder (e.g. "c:\winnt\system32" or "c:\windows\system32") of the IIS server. For 64-bit version Windows OS, go to the SysWOW64 folder (e.g. "c:\windows\SysWOW64") of the IIS server. Copy "MW6BarcodeASP.dll" to the current folder.



3. From the current folder, run "regsvr32 MW6BarcodeASP.dll" to register it. 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".



```
C:\WINNT\System32\cmd.exe
C:\WINNT\system32>
C:\WINNT\system32>
C:\WINNT\system32>
C:\WINNT\system32>
C:\WINNT\system32>
C:\WINNT\system32>
C:\WINNT\system32>
C:\WINNT\system32>regsvr32 MW6BarcodeASP.dll
```

4. Copy Demo.html, Createlmng.asp and Show.asp to a folder of the IIS server where Active Server Pages are enabled, for example, you can create one folder "C:\inetpub\wwwroot\MyFolder" and copy those 3 files to this folder.
5. Enter the URL of Demo.html to your browser for verifying whether Barcode ASP component is working or not, for example, you can enter <http://localhost/MyFolder/Demo.html> for testing it on the IIS server itself.

3 Reference Guide

3.1 Properties

3.1.1 BackColor Property

Sets the background color of barcode.

Property Data Type

OLE_COLOR

Remarks

The default value is white color.

3.1.2 BarColor Property

Sets the color of barcode and text.

Property Data Type

OLE_COLOR

Remarks

The default value is black color.

3.1.3 BarHeight Property

Sets the bar height in centimeters.

Property Data Type

float

Remarks

The default value is 1.5, internally our barcode control 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, $size_in_pixels = 1.52 * 96 / 2.54 = 57.4488$, round down 57.4488 to 57, so actual bar height is 57 pixels.

(3) Set BarHeight property to 1.54, $size_in_pixels = 1.54 * 96 / 2.54 = 58.2047$, 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.

3.1.4 BearerBarType Property

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

3.1.5 BorderWidth Property

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.

3.1.6 CheckDigit Property

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.

3.1.7 CheckDigitToText Property

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.

3.1.8 CodabarStartChar Property

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'

3.1.9 CodabarEndChar Property

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'

3.1.10 Data Property

Sets the message to encode with the barcode control.

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.



(01)12345678901234(10)12345(11)080101

3.1.11 Height Property

Sets the height, in pixels, of image which contains a barcode.

Property Data Type

short

Remarks

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

See Also

GetActualSize() Method

3.1.12 NarrowBarWidth Property

Sets the narrow bar width in centimeters.

Property Data Type

float

Remarks

The default value is 0.07, internally our barcode control 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, $size_in_pixels = 0.06 * 96 / 2.54 = 2.2677$, round down 2.2677 to 2, so actual narrow bar width is 2 pixels.

(3) Set NarrowBarWidth property to 0.07, $size_in_pixels = 0.07 * 96 / 2.54 = 2.6456$, 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.

3.1.13 Orientation Property

Sets the orientation of 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

3.1.14 PNGImage Property

Gets PNG format image data stream of the barcode.

Property Data Type

VARIANT

Remarks

Use ASP Response.BinaryWrite() method and this property to display a barcode image on a web page.

3.1.15 ShowText Property

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.

3.1.16 Supplement Property

Sets the supplement string to encode with UPC or EAN.

Property Data Type

BSTR

Remarks

The default value is an empty string.

3.1.17 SupplementGap Property

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 control 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

3.1.18 SupplementType Property

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

3.1.19 SymbologyType Property

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 Bearer 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			
Postal Code Barcodes				
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

2D Barcodes				
86	Codablock-F			
87	Code 16K			
88	Code 49			
89	Code One			
90	Micro PDF417			
91	Micro QRCode			

3.1.20 UPCESystem Property

Sets the encoding system of the UPCE 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

3.1.21 Wide2NarrowRatio Property

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.

3.1.22 Width Property

Sets the width, in pixels, of the image which contains a barcode.

Property Data Type

short

Remarks

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

See Also

GetActualSize() Method

3.2 Methods

3.2.1 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

3.2.2 GetActualSize Method

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

```
void GetActualSize(VARIANT *ActualWidth, VARIANT *ActualHeight);
```

Parameters

ActualWidth

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

ActualHeight

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

3.2.3 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

3.2.4 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)

3.2.5 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

3.2.6 SetTextFont Method

Sets the font characteristic of text in Access.

```
void SetTextFont(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.

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