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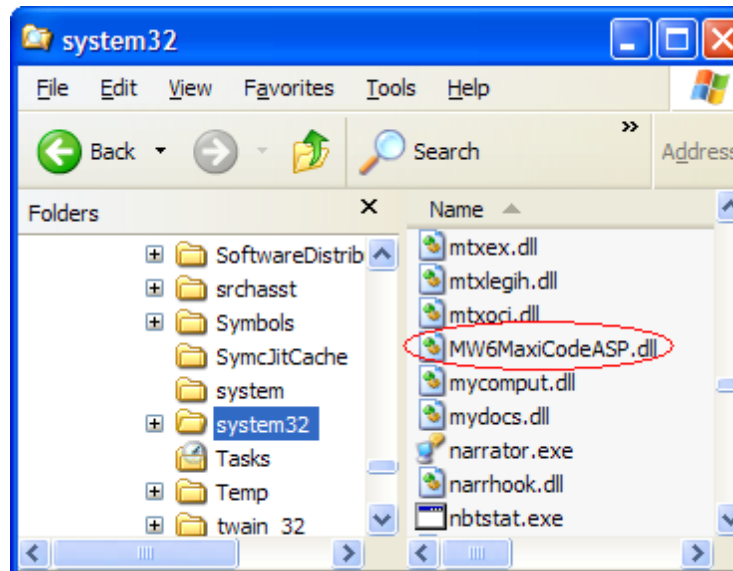
## 1 Introduction

MW6 MaxiCode ASP component is an ATL COM product which can add professional quality 2D MaxiCode PNG format images to your web pages hosted on the IIS server.

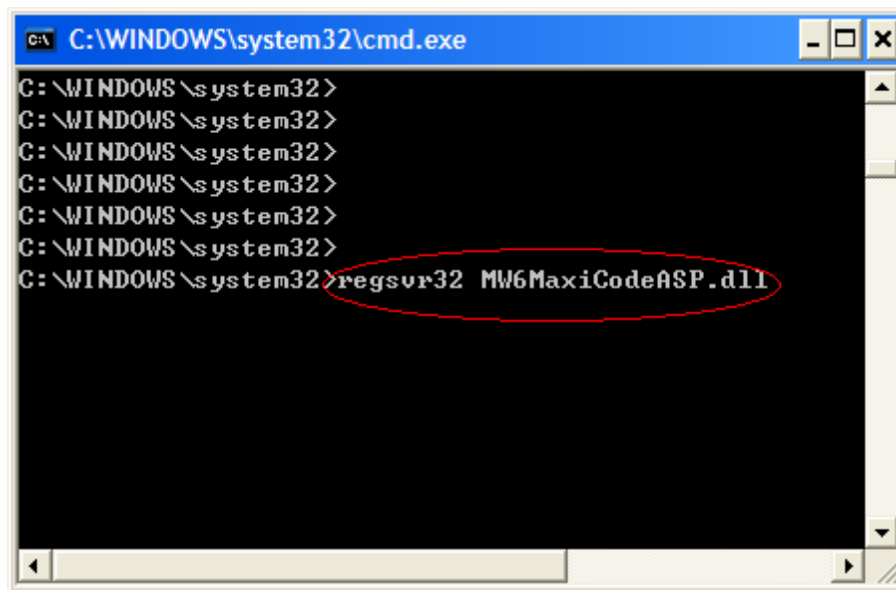
MaxiCode is a fixed-sized 2D symbology created by the United Parcel Service, it can store about 93 characters of information and is primarily used for freight sortation and tracking.

## 2 Installation and Testing

1. The trial version MaxiCode ASP component displays the "MW6 Demo" on the top of MaxiCode 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 "MW6MaxiCodeASP.dll" to the current folder.



3. From the current folder, run "regsvr32 MW6MaxiCodeASP.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:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>regsvr32 MW6MaxiCodeASP.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 MaxiCode 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 the MaxiCode barcode.

##### Property Data Type

OLE\_COLOR

##### Remarks

The default value is white color.

#### 3.1.2 BarColor Property

Sets the color of the MaxiCode barcode.

##### Property Data Type

OLE\_COLOR

**Remarks**

The default value is black color.

### 3.1.3 CountryCode Property

Sets the 3-digit country code.

**Property Data Type**

BSTR

**Remarks**

The default value is blank, if the "Data" property is properly formatted and begins with the 7 characters "[ ]><RS>01<GS>", this property will be automatically overridden.

**See Also**

Special Data Format

### 3.1.4 Data Property

Sets the message to encode with MaxiCode barcode ActiveX.

**Property Data Type**

BSTR

**Remarks**

The default value is "12".

**See Also**

Special Data Format

### 3.1.5 HandleTilde Property

Sets a boolean flag indicating whether to process the tilde character "~" or not.

**Property Data Type**

VARIANT\_BOOL

**Remarks**

---

If this property is set to TRUE, non-printable characters can be passed to MaxiCode ActiveX by using the tilde character, "~dNNN" represents the ASCII character encoded by the 3 digits NNN, for example, "~d010" represents the character LF (line feed).

### 3.1.6 Mode Property

Sets the encoding mode of the MaxiCode barcode.

#### Property Data Type

short

#### Remarks

This parameter can be one of the following values:

Value	Description
0	Mode 2
1	Mode 3
2	Mode 4
3	Mode 5

### 3.1.7 Orientation Property

Sets the orientation of the MaxiCode 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

### 3.1.8 PNGImage Property

Gets PNG format image data stream of the MaxiCode barcode.

#### Property Data Type

VARIANT

**Remarks**

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

**3.1.9 Ratio Property**

Sets the ratio value which is used to enlarge or shrink the MaxiCode barcode.

**Property Data Type**

float

**Remarks**

The default value is 1, a valid value must be between 0.7 and 3.

**3.1.10 ServiceClass Property**

Sets the 3-digit service class.

**Property Data Type**

BSTR

**Remarks**

The default value is blank, if the "Data" property is properly formatted and begins with the 7 characters "[ ]><RS>01<GS>", this property will be automatically overridden.

**See Also**

Special Data Format

**3.1.11 ZipCode Property**

Sets the zip code.

**Property Data Type**

BSTR

**Remarks**

The default value is blank, it has 9 digits for "Mode 2" and 6 alpha-numeric characters for "Mode 3". If the "Data" property is properly formatted and begins with the 7 characters "[ ]><RS>01<GS>", this property will be automatically overridden.

**See Also**

Special Data Format

---

## 3.2 Methods

### 3.2.1 GetActualSize Method

Gets the actual size of the MaxiCode barcode which is rendered onto computer screen.

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

#### Parameters

*ActualWidth*

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

*ActualHeight*

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

### 3.2.2 SetSize Method

Sets the size of the image which contains the MaxiCode barcode.

```
void SetSize(int Width, int 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 MaxiCode barcode, then use this method to set image size by adding surrounding white space around the MaxiCode barcode.

#### See Also

`GetActualSize()` Method

### 3.2.3 SetStructuredAppend Method

Specifies which symbol this is in a sequence and the total number of symbols in the sequence.

```
void SetStructuredAppend(VARIANT_BOOL AllowSA, short SymbolID, short SymbolCount);
```

#### Parameters

*AllowSA*

Indicates whether the structured append is allowed in the current MaxiCode barcode, if this is

FALSE, the parameters *SymbolID* and *SymbolCount* are irrelevant.

#### *SymbolID*

Specifies which symbol this is in a sequence, the parameter must be between 1 and *SymbolCount*.

#### *SymbolCount*

Specifies the total number of symbols in the sequence, the maximum value is 8, which means that up to 8 symbols can be linked together using the structured append protocol.

#### Remarks

Don't call this method if you don't need the structured append feature.

## 4 Special Format Data

If the "Data" property is properly formatted and begins with the 7 characters "[ ]><RS>01<GS>", Zipcode, Country and ServiceClass properties will be automatically overridden.

For example, let's set the "Data" property to the following value:

```
[ ]><RS>01<GS>9615238<GS>840<GS>001<GS>AIM, Inc<GS>634 Alpha  
Drive<GS>Pittsburgh<GS>PA<RS><EOT>
```

In this format, the identifier "[ ]><RS>01<GS>" is followed by a date (YY), in this example, it is "96".

The above data is encoded in a particular manner as follows:

- 1) The first 9 data characters [ ]><RS>01<GS>YY are extracted
- 2) The next 3 data elements separated by <GS>, representing respectively the zip code, country code and service class, are extracted and encoded in the primary message. In this example, they are 15238, 840 and 001, so Zipcode, Country and ServiceClass properties are automatically overridden.
- 3) The remaining string preceded with [ ]><RS>01<GS>YY is encoded in the secondary message. In this example, it is

```
[ ]><RS>01<GS>YYAIM, Inc<GS>634 Alpha Drive<GS>Pittsburgh<GS>PA<RS><EOT>
```

#### Remarks:

<RS>, <GS> and <EOT> indicate 3 characters with ASCII values 30, 29 and 4 respectively.

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