

PrecisionID ActiveX Control User Manual

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Limitations of the demo version: The demo version of this product may be used for evaluation purposes only. In the demo version, the demo watermark is displayed and a pop-up message will appear upon initialization. All other functions are exactly the same as the purchased version. If you are using the demo version and you would like to order, please visit: <http://www.precisionid.com/>

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Product Overview

The PrecisionID ActiveX Control may be used in applications compatible with ActiveX graphic objects such as Microsoft Access, Excel and Visual Basic. Once installed, the properties of the object may be changed as necessary to create high quality bar code images. Supported barcode types include Code128, Code39, Code39 Extended, EAN8, EAN13, ITF, USPS Intelligent Mail, Postnet, Planet, UPCA and UPCE.

The PrecisionID ActiveX Control is a high performance component created in C++ using ATL. After installation, it should reside in the Windows/System32 directory and be registered as a COM object. It has no dependencies and may be distributed in your application with a Developer's License.

Installation

Microsoft Windows

Decompress the package and run the supplied **Setup.exe** file to install the ActiveX Control. After installation, it will be registered as an available ActiveX Control in Windows and may be used by any application that uses ActiveX Controls.

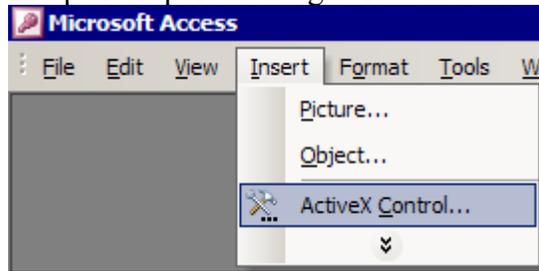
Tutorials for Specific Applications

The results for the following tutorials are saved in the [examples](#) folder of the product zip file. We encourage you to refer to the examples for additional assistance.

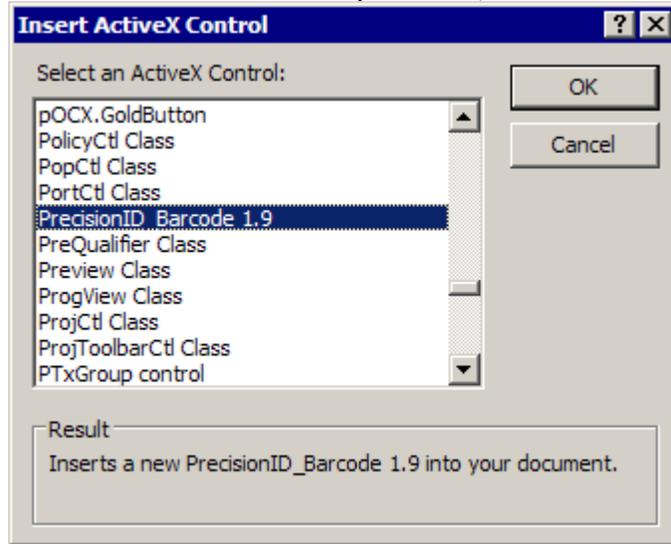
Microsoft Access

To create a barcode in a Microsoft Access report:

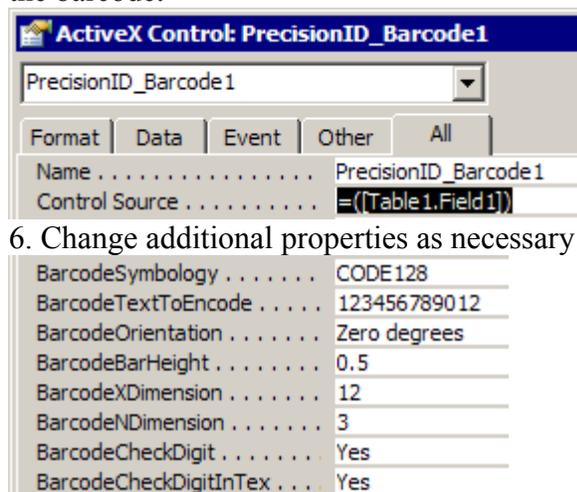
1. Run the Setup program to install the ActiveX Control, if it has not been installed.
2. Open a report in design view and choose Insert – ActiveX Control.



3. From the list of controls presented, select the PrecisionID ActiveX Control.

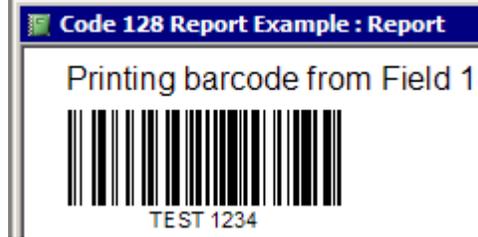


4. After the control is placed on the report, right-click on it and choose Properties.
5. Modify the Control Source property to point to the table and field of the data you wish to encode in the barcode.



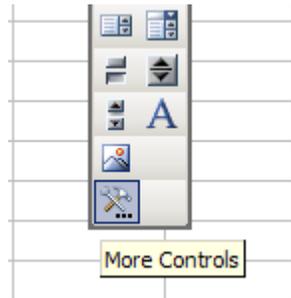
6. Change additional properties as necessary such as bar height and the symbology type.

7. Save and run the report. You should see the barcode appear in the report.



Microsoft Excel

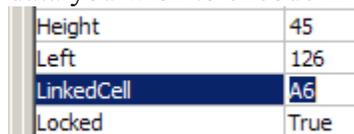
1. Run the Setup program to install the ActiveX Control, if it has not been installed.
2. In Excel, choose View – Toolbars – Control Toolbox.
3. When the Control Toolbox appears, choose the More Controls button.



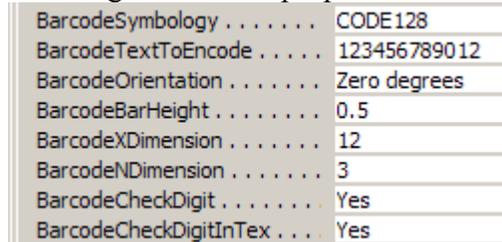
4. From the list of controls presented, select the PrecisionID ActiveX Control.
5. Select the area to place the control in the spreadsheet.



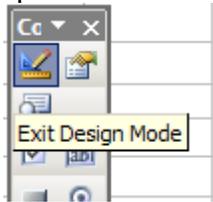
6. Right-click on the control, choose Properties and change the Linked Cell Property to the cell of text data you wish to encode in the barcode.



7. Change additional properties as necessary such as bar height and the symbology type.

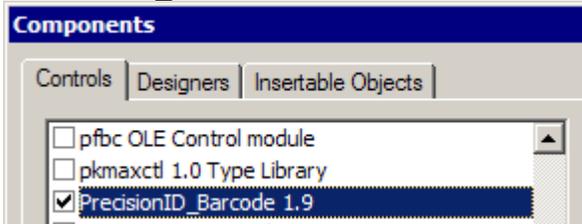


8. After editing the properties, choose the Exit Design Mode button and the barcode will appear in the spreadsheet.

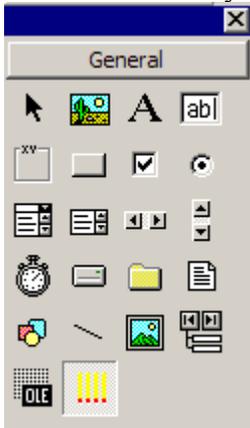


Microsoft Visual Basic 6

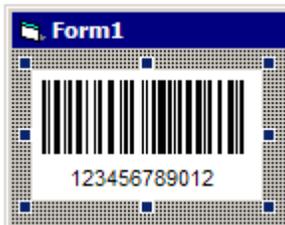
1. Run the Setup program to install the ActiveX Control, if it has not been installed.
2. In Visual Basic 6, choose Project – Components. From the list of available controls, select the PrecisionID_Barcode control and choose OK.



If the Toolbox is not visible, choose View – Toolbox. The control should now appear at the bottom of the Toolbox as a yellow and red bar code object.



3. Select the control and place it on a form as you would any other control.



4. After the control is placed on the form, right-click on it and choose Properties.
5. Change properties as necessary such as bar height and the symbology type.

BarcodeSymbology	CODE128
BarcodeTextToEncode	123456789012
BarcodeOrientation	Zero degrees
BarcodeBarHeight	0.5
BarcodeXDimension	12
BarcodeNDimension	3
BarcodeCheckDigit	Yes
BarcodeCheckDigitInTex	Yes

6. Using code in the form, you may set the data to be encoded and send the barcode to the printer, a file or to the clipboard.

The following code determines the data to be encoded:

```
Barcode1.BarcodeTextToEncode = "123456789012"
```

The following will print the barcode:

```
Printer.PaintPicture Barcode1.Picture, 2048, 1024
```

The following will copy the barcode to the clipboard:

```
Clipboard.Clear  
Clipboard.SetData Barcode1.Picture, vbCFMetafile
```

The following will save the barcode to a file:

```
Barcode1.SaveBarcode "PrecisionID-Barcode.wmf"
```

Creating UCC/EAN-128 Barcodes

The creation of UCC128 and EAN128 barcodes is accomplished by simply substituting the ASCII 202 character for the FNC1 when in C128 AUTO. For example, to create the UCC/EAN barcode of (8100) 712345 (21) 12345678 the text of Ê8100654321Ê2187654321 would need to be sent to the control where Ê is the ASCII 202 character or Chr(202) in VB. The text portion for this barcode type is automatically determined. In the event the parentheses do not appear around the correct numbers, the text visible property must be disabled and the text field must be manually created and inserted below the barcode as required.

Properties and Defaults

All measurements are in inches unless otherwise specified.

Property	Default Value	Description
BarcodeTextToEncode	123456789012	This is the text that is encoded in the barcode. When the control is bound to a data source, this field is overwritten.
BarcodeSymbology	Code128	The type of barcode to create. When using UPC and EAN barcode types, the BarcodeLeftMargin must be increased to .04 or more.
BarcodeBarHeight	0.5 inches	The height of the bars in the barcode.
BarcodeXDimension	12 mils	The width of the bars in the barcode.
BarcodeNDimension	3	The narrow to wide ratio of applicable barcode types such as Code 39 and ITF.
BarcodeCheckDigit	TRUE	When true, a check digit will be calculated and added to the barcode. This symbology options is only applicable to Code 39, ITF, Planet and Postnet.
BarcodeCheckDigitInText	TRUE	Includes the check digit in the text interpretation.
BarcodeTopMargin	.01 inches	The top and bottom quiet zones.
BarcodeLeftMargin	.01 inches	The left and right quiet zones. This must be increased to .04 or more for UPC and EAN barcode types.
BarcodeOrientation	0 Degrees	The orientation angle of the symbol.
UPCEEncoding	0	The encoding system used for UPC-E.