

ConnectCode Barcode Software

Office for Mac Barcode Formulas

<http://www.connectcode.net/officeformacbarcode.shtml>

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1. Creating Barcodes in Office for Mac

1.1 Office Barcode Formulas

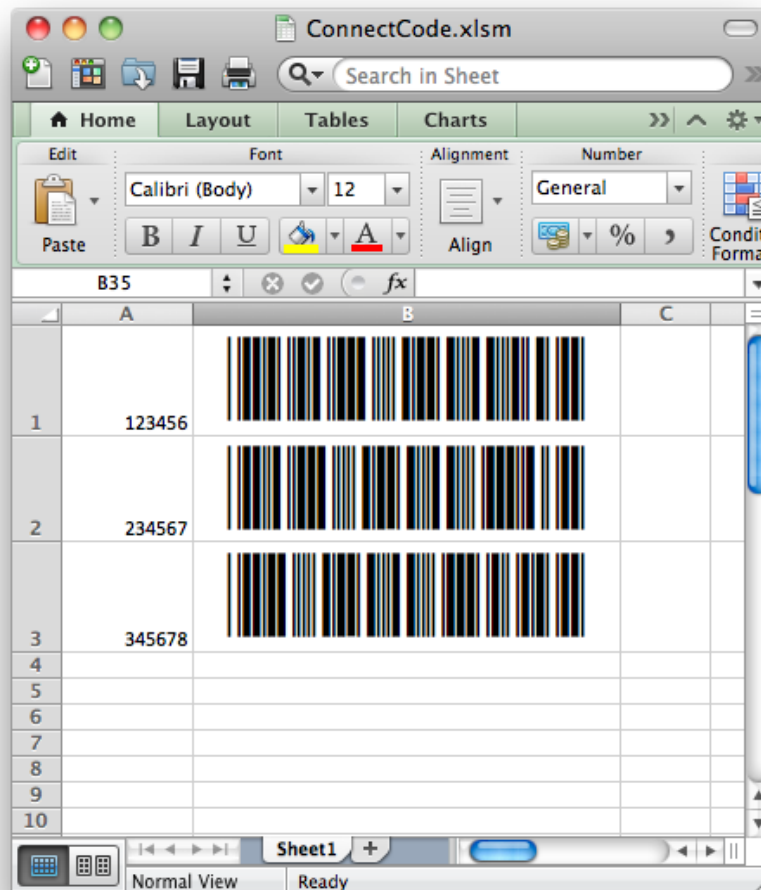
ConnectCode Barcode Software includes Open Type barcode fonts that can be used in Microsoft Office for Mac 2011/2016 for creating barcodes. Functionality available in the software encoder e.g. creating check digits, generating start/stop characters, validating inputs and generating barcode output characters are provided as Microsoft Office formulas (Excel/Word formulas).

These formulas are developed in Visual Basic for Applications and are available for download on this web page. They can be used under the terms and conditions of ConnectCode Barcode Software.

Please note that you will need a registered copy of ConnectCode Barcode Software (available on the Mac App Store) to use these formulas.

1.2 Creating barcodes in Excel for Mac 2011/2016

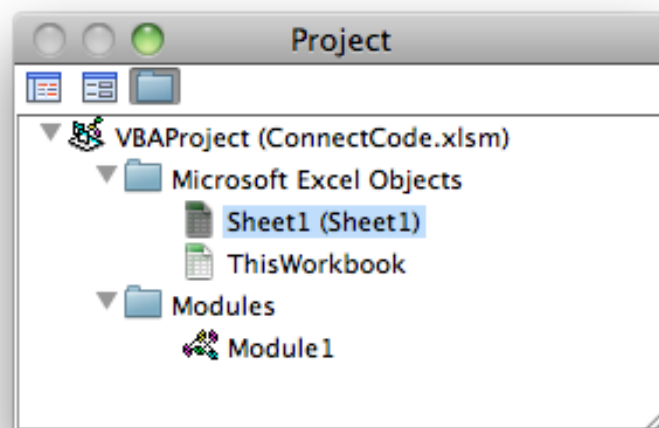
The Office VBA formulas can be imported into Excel to create industry-compliant barcodes within minutes.



The steps are illustrated below.

1.2.1 **Importing the barcode formulas into Excel for Mac 2011**

- Ensure that you have downloaded the officebarcodeformulas.zip file.
- Uncompress the zip file to locate the Excel formulas (MSOfficeBarcodeFormulas.bas file).
- Launch Microsoft Excel, create a new Workbook and select the Developer tab.
- Click on the Editor button to launch the VBA editor.
- Click on File > Import File (or alternatively Option Command i)
- Navigate the Import File dialog to choose the MSOfficeBarcodeFormulas.bas file.
- You will be able to see the formulas imported as Module1 in the Project window as shown below.

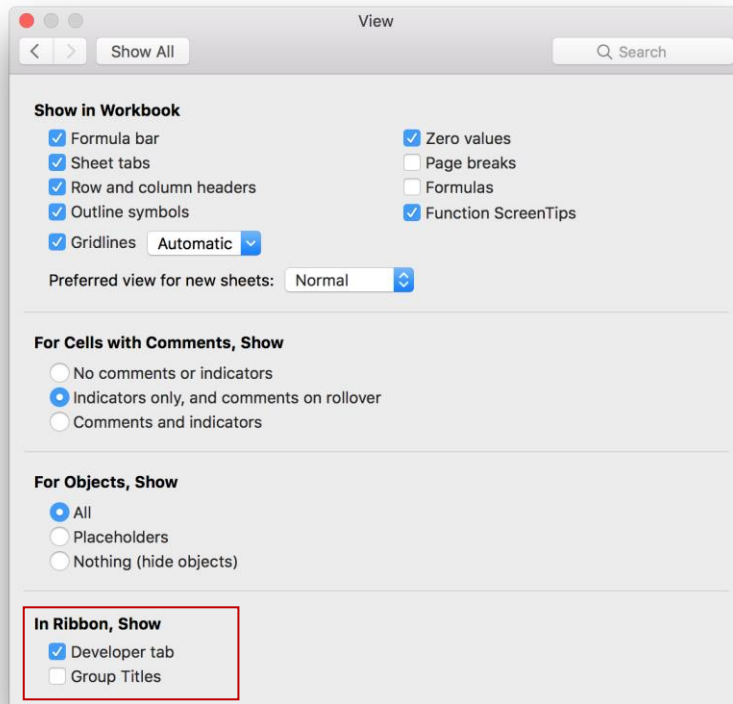


- Click on Excel > Close and Return to Microsoft Excel (or Command Q) to close the VBA editor and return to Excel.

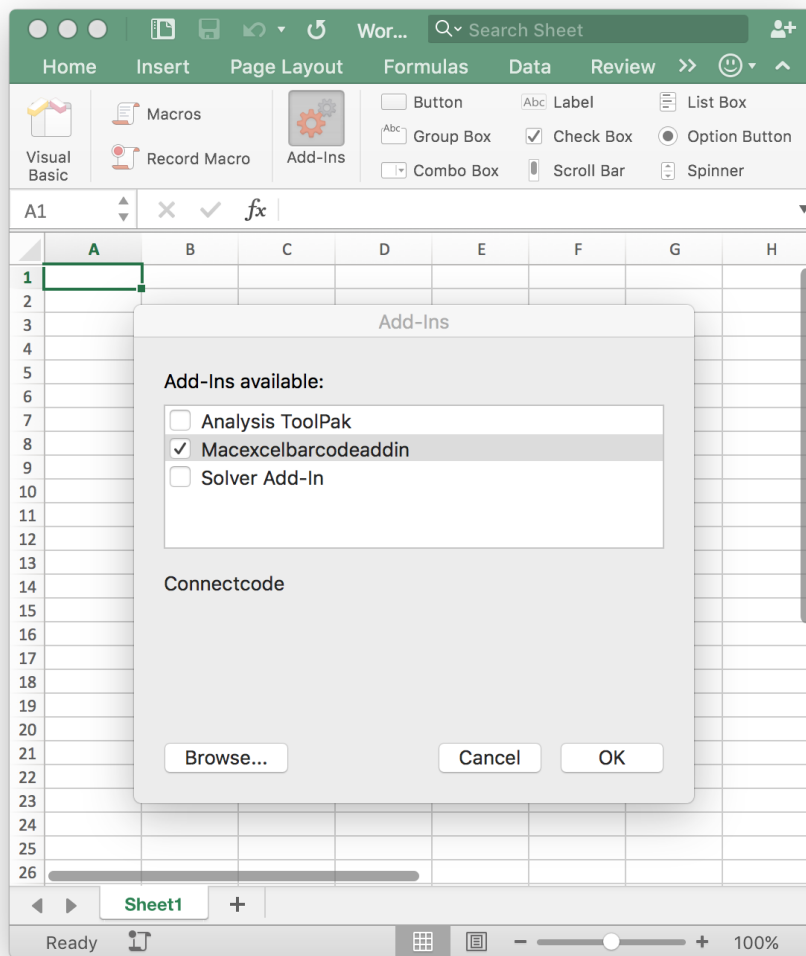
You have successfully imported the formulas to Microsoft Excel.

1.2.2 Importing the barcode formulas into Excel for Mac 2016

- Ensure that you have downloaded the officebarcodeaddin.zip file.
- Uncompress the zip file to locate the Excel Add In (MacExcelBarcodeAddIn.xlam file).
- Launch Microsoft Excel, create a new Workbook and select the Developer tab. If you do not see the Developer tab, you can go to System Preferences > View to enable it. Please see the options highlighted in red below.



- In the Developer tab, click on the Add-Ins button. Next, click on the "Browse" button and select the "MacExcelBarcodeAddIn.xlam" file.

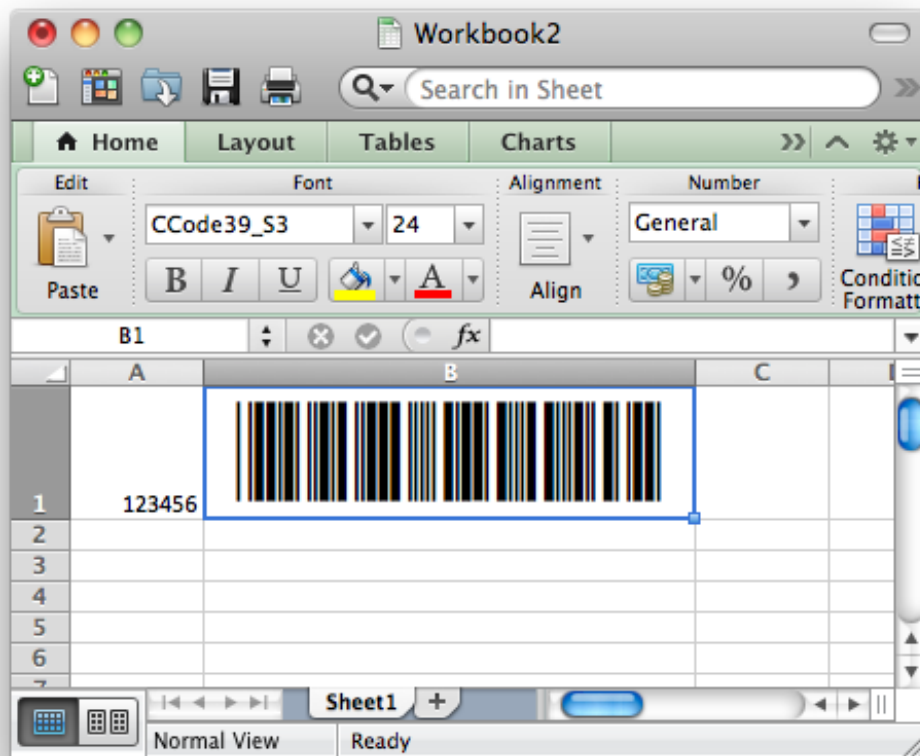


- Click on the OK button to return to Excel.

You have successfully imported the formulas to Microsoft Excel by adding the Add In.

1.2.3 Generating barcodes in Excel for Mac

- Enter the value "123456" into cell A1 of the spreadsheet as shown below.
- Enter the formula "=Encode_Code39(A1)" into cell B1 of the spreadsheet and press then enter/return key. The complete list of formulas can be found in the PDF documentation of the downloaded zip file.
- Notice the value "***123456L*" generated in cell B1. The formula validates the input in cell A1, adds the start/stop characters "***", and generates the check character "L".
- Select cell B1 and click on the Home tab. In the ribbon Font group, select "CCode39_S3" as the font and "24" as the font size.



Note: You will need to install a registered copy of ConnectCode Barcode Software and setup the barcode fonts on your Mac before you can use the "CCode39_S3" font in Microsoft Excel.

1.3 List of Barcode Formulas (Office for Mac 2011/2016)

All the functions available in the Encoder e.g. generating a check digit, formatting the encoded barcode string and adding the start/stop characters are also made available as Microsoft Office Macros and VB Functions. The table below provides the entire list of macros/functions that can be used in Excel and Word.

Function Name	Parameters	Description
Encode_Code39	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Generate a Check Digit, 0 for otherwise	Returns the encoded barcode string for Code 39 barcode. Invalid characters from the input will be automatically removed.
Encode_Code39ASCII	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Generate a Check Digit, 0 for otherwise	Returns the encoded barcode string for Code 39 ASCII barcode. Invalid characters from the input will be automatically removed.
Encode_Code93	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Generate a Check Digit, 0 for otherwise	Returns the encoded barcode string for Code 93 barcode. Invalid characters from the input will be automatically removed.
Encode_EAN8	Param 1 - String value to be encoded as a barcode	Returns the encoded barcode string for EAN 8 barcode. Invalid characters from the input will be automatically removed. Check Digit is compulsory.
Encode_EAN13	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Encode with Human Readable Text, 0 Otherwise	Returns the encoded barcode string for EAN 13 barcode. Invalid characters from the input will be automatically removed. Check Digit is compulsory.
Encode_EXT2	Param 1 - String value to be encoded as a barcode	Returns the encoded barcode string for UPC Extension 2 barcode. Invalid characters from the input will be automatically removed.
Encode_EXT5	Param 1 - String value to be encoded as a barcode	Returns the encoded barcode string for UPC Extension 5 barcode. Invalid characters from the input will be automatically removed.
Encode_UPCA	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Encode with Human Readable Text, 0 Otherwise	Returns the encoded barcode string for UPCA barcode. Invalid characters from the input will be automatically removed. Check Digit is compulsory.
Encode_UPCE	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Encode with Human Readable Text, 0 Otherwise	Returns the encoded barcode string for UPCE barcode. Invalid characters from the input will be automatically removed. Check Digit is compulsory.
Encode_UCCEAN	Param 1 - String value to be encoded as a barcode Sample Input - (00)123456789012345675	Returns the encoded barcode string for UCCEAN barcode. Invalid characters from the input will be automatically removed. Check Digit is compulsory.

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Encode_Code128Auto	Param 1 - String value to be encoded as a barcode	Returns the encoded barcode string for Code128 Auto barcode. Invalid characters from the input will be automatically removed. Check Digit is compulsory.
Encode_Code128A	Param 1 - String value to be encoded as a barcode	Returns the encoded barcode string for Code128A barcode. Invalid characters from the input will be automatically removed. Check Digit is compulsory.
Encode_Code128B	Param 1 - String value to be encoded as a barcode	Returns the encoded barcode string for Code128B barcode. Invalid characters from the input will be automatically removed. Check Digit is compulsory.
Encode_Code128C	Param 1 - String value to be encoded as a barcode	Returns the encoded barcode string for Code128C barcode. Invalid characters from the input will be automatically removed. Check Digit is compulsory.
Encode_I2of5	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Generate a Check Digit, 0 for otherwise	Returns the encoded barcode string for I2of5 (Interleaved 2 of 5) barcode. Invalid characters from the input will be automatically removed.
Encode_ITF14	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Generate a Check Digit, 0 for otherwise Param 3 - Integer value 0 to generate Top/Bottom Bearers Bar and 1 to generate Rectangle Bearers Bar.	Returns the encoded barcode string for ITF14 barcode. Invalid characters from the input will be automatically removed.
Encode_Industrial2of5	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Generate a Check Digit, 0 for otherwise	Returns the encoded barcode string for Industrial 2of5 barcode. Invalid characters from the input will be automatically removed.
Encode_ModifiedPlessy	Param 1 - String value to be encoded as a barcode Param 2 - Integer value 1 to Generate a Check Digit, 0 for otherwise	Returns the encoded barcode string for Modified Plessy barcode. Invalid characters from the input will be automatically removed.
Encode_CodeCodabar	Param 1 - String value to be encoded as a barcode	Returns the encoded barcode string for Codabar barcode. Invalid characters from the input will be automatically removed.
Encode_POSTNET	Param 1 - String value to be encoded as a barcode	Returns the encoded barcode string for POSTNET barcode. Invalid characters from the input will be automatically removed.