

### Introduction :

This script was developed using Adobe Extendscript to allow the automatic filling of barcodes while always keeping them conveniently editable. This is particularly handy when used with datasets.

Currently, the supported barcode formats are EAN13 and ITF14.

### Package :

The script works paired with the included Illustrator file “CoriusBarcodes.ai”.

### Installation :

Same as all Illustrator script, copy/paste the script file into the folder :

C:\Program Files\Adobe\Adobe Illustrator 2024\Presets\en\_US\Scripts

(Change the red text according to your Illustrator version and language)

The Illustrator file needs to be in your Illustrator “User Defined” Symbols folder :

C:\Users\[your user name]\AppData\Roaming\Adobe\Adobe Illustrator 28 Settings\en\_US\x64\Symbols

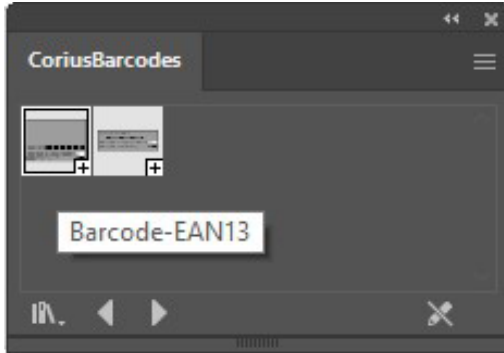
(Change the red text according to your Illustrator version and language)

### Principles :

Insert the barcode symbol, place it, resize it, rotate it, adjust its parameters, run the script

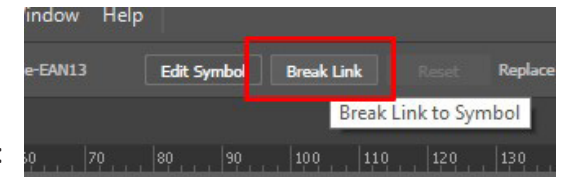
### Usage - Placing the barcode in your document :

To place a barcode un your design, open the Symbol panel, search in your “User Defined” to open the CoriusBarcodes library :

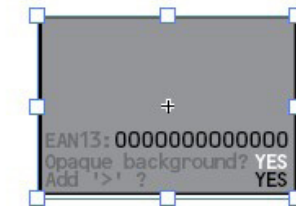
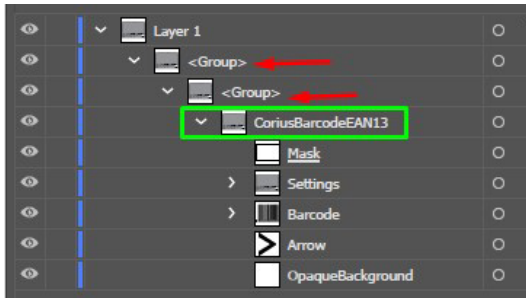


As you can see, there are currently 2 different symbols, one for each supported barcode types.

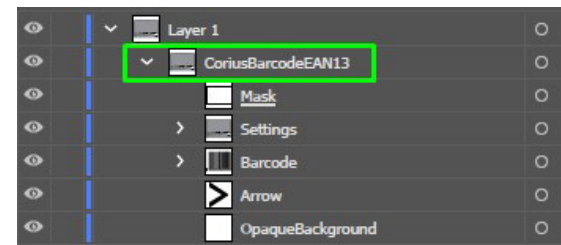
Drag and drop the symbol you need into your document, then break the link between the instance and the symbol :



Breaking the link will make 2 useless groups containing the useful one :



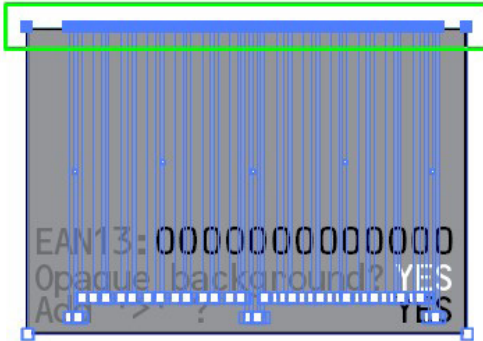
You can leave the grouping as is or you can clean the group architecture a bit by moving the “CoriusBarcode[TYPE]” group out of the useless ones :



Note : DO NOT rename the “CoriusBarcode[TYPE]” group, DO NOT rename any of its content

### Usage - Adjusting the size of the barcode :

To resize the barcode you need to have the whole “CoriusBarcode[TYPE]” group selected, then resize its width homotetically.  
If you need to adjust the barcode bars height, you can do so by selecting all the top points and move them vertically

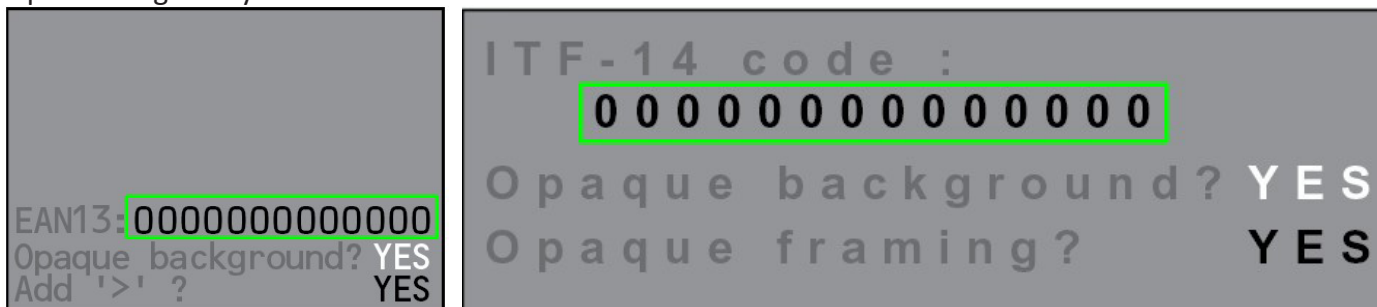


You can then rotate the whole “CoriusBarcode[TYPE]” group if you need.

### Usage - Adjusting the settings of the barcode :

#### **DIGITS**

Input the digits of your barcode in the relevant textfield :



#### **SUPPORTING CONTENT**

- You can chose to have an opaque bakground or a transparent one : type “YES” or “NO” accordingly
- You can chose to have a “>” (EAN13 Quiet Zone mark aid) or framing (ITF14 bearer bars) bakground or a transparent one : type “YES” or “NO” accordingly

### **COLORS**

- By changing the text color of the digits textfield you can set the color of the bars + human readable digits + ">" (EAN13) or framing (ITF14)
- By changing the text color of the YES/NO text answering the "Opaque background ?" question you can set the color of the barcode opaque background

Remark : if you change the colors, be sure to keep a strong contrast between the bars color and the background color.

### **Usage - Script :**

When you're all set with all of your barcodes, you can run the script.

The script will run checksum test (like a wrong check digit, or even a missing check digit). If no errors are found, the script makes all the barcodes and you're done.

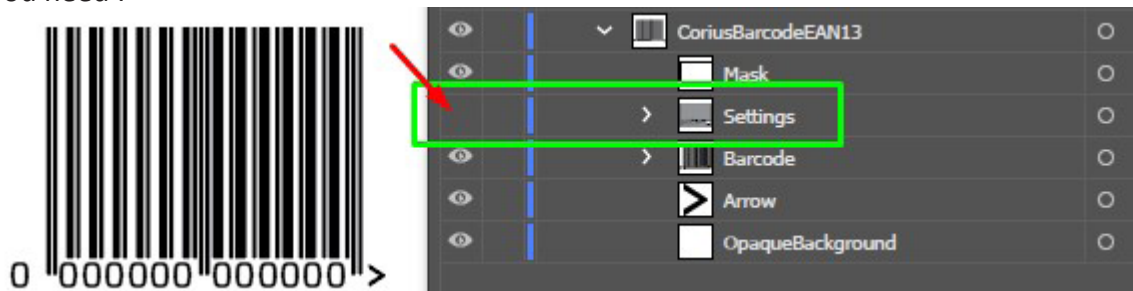
In case of error, the script automatically corrects the checksum error in the digits textfield, and store the error report as a .csv file in the same folder as your Illustrator document. Then it creates all the barcodes using the correct check digit, and at the end it will pop-up an alert window to ask you to check the error report.

The test report file is easily imported into Excel so in case you deal with many barcodes at the same time you can easily compare the report listing with your own barcode listing.

The csv will include : 'Full code submitted;Check digit from code submitted;Corrected check digit;Corrected code'

### **Usage - Re-edit a barcode :**

When a barcode has already been created by the script, you can always re-generate it. To do so, just un-hide the group "Settings" and change the settings as you need :



### Usage - Barcode with datasets :

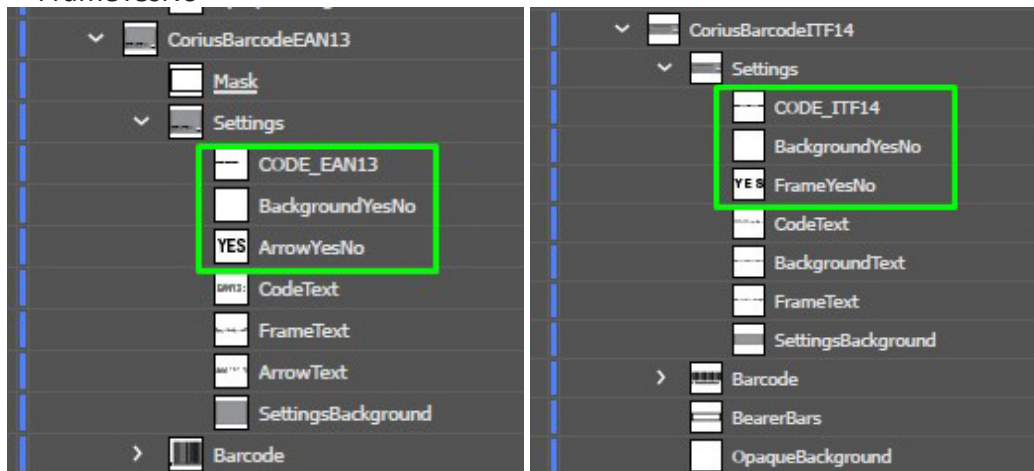
To use the script in combination with datasets, all the settings are named textfield, so they can be use as variable names in the dataset panel.

For EAN13 barcodes the textfield names are :

- "CODE\_EAN13"
- "BackgroundYesNo"
- "ArrowYesNo"

For ITF14 barcodes the textfield names are :

- "CODE\_ITF14"
- "BackgroundYesNo"
- "FrameYesNo"



Note : DO NOT rename the "CoriusBarcode[TYPE]" group, DO NOT rename any of its content

# Editable BARCODES

For Adobe Illustrator

## Instruction Manual

Script version : v1.0  
Document date : 20240413

EAN13: 1234567890128  
 Opaque background? YES  
 Add '>' ? YES

EAN13: 1234567890120  
 Opaque background? YES  
 Add '>' ? YES

EAN13: 1234567890128  
 Opaque background? YES  
 Add '>' ? YES

EAN13: 1234567890128  
 Opaque background? NO  
 Add '>' ? YES

EAN13: 1234567890128  
 Opaque background? YES  
 Add '>' ? NO

EAN13: 1234567890128  
 Opaque background? NO  
 Add '>' ? NO

1 234567 890128 >

1 234567 890128 >

1 234567 890128 >

1 234567 890128 >

1 234567 890128 >

1 234567 890128 >

ITF-14 code :  
 1 2 3 4 5 6 7 8 9 0 1 2 3 1  
 Opaque background? YES  
 Opaque framing? YES

ITF-14 code :  
 1 2 3 4 5 6 7 8 9 0 1 2 3 4  
 Opaque background? YES  
 Opaque framing? NO

ITF-14 code :  
 1 2 3 4 5 6 7 8 9 0 1 2 3 1  
 Opaque background? NO  
 Opaque framing? YES

ITF-14 code :  
 1 2 3 4 5 6 7 8 9 0 1 2 3 1  
 Opaque background? NO  
 Opaque framing? NO

1 2 3 4 5 6 7 8 9 0 1 2 3 1

1 2 3 4 5 6 7 8 9 0 1 2 3 1

1 2 3 4 5 6 7 8 9 0 1 2 3 1

1 2 3 4 5 6 7 8 9 0 1 2 3 1