

Barcode Command

<https://www.barcoderesource.com/barcodesoftwaremac.shtml>

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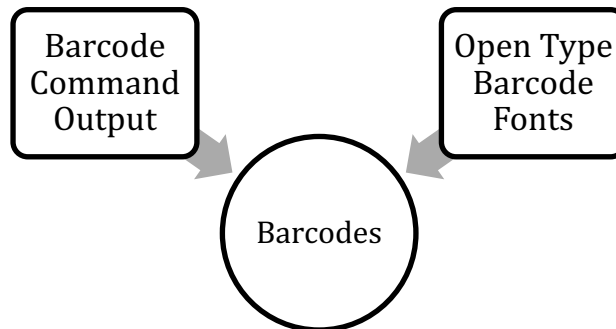
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1. ConnectCode Barcode Command

1.1 ConnectCode Barcode Command

ConnectCode Barcode Command is a command line utility for macOS that generates barcodes in bulk. This utility validates input data, add the necessary start/stop and check characters, and generates an output string that - when applied with the Open Type Barcode Fonts (available in ConnectCode Barcode Software) - provides you with industrial grade barcodes.



The "command line" nature of Barcode Command enables it to be easily integrated into existing workflow processes. For example, you can use Barcode Command with Apple Scripts to bulk-generate barcodes for iWork Numbers or with a Bash Shell script to generate barcodes in bulk for a business report.

1.2 Downloading and Using Barcode Command

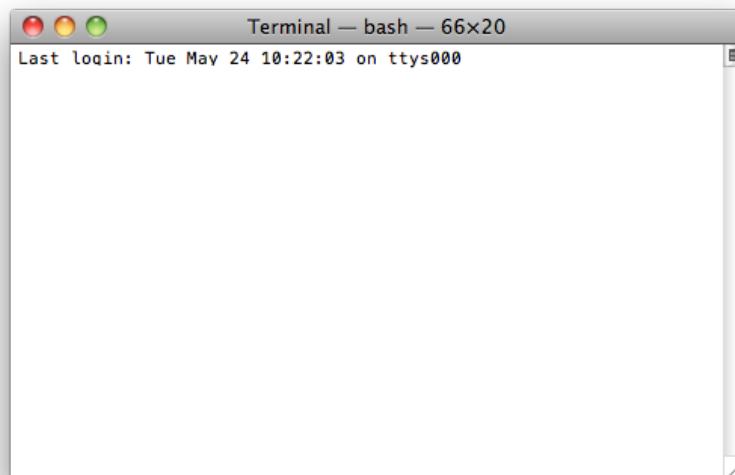
ConnectCode Barcode Command is available for download at the following:

<https://www.barcoderesource.com/commandlinebarcodemac.shtml>

Barcode Command requires the Open Type Barcode Fonts bundled in ConnectCode Barcode Software for Mac to generate barcodes.

Note: Barcode Command (for macOS Sierra onwards) has been DeveloperID signed and Notarized by Apple to give you confidence and assurance on our software.

Barcode Command can be installed easily by simply unpacking the downloaded package. This command line application can then be launched from the macOS Terminal, as shown below, by entering the command `./BarcodeCommand`.



1.3 An overview on the use of Barcode Command to create a barcode

The following steps provide an overview of using Barcode Command with the Open Type barcode fonts for creating a barcode.

- Enter the following command in macOS Terminal. The output `**12345678-*` returned by Barcode Command is redirected to a file.

```
./BarcodeCommand Code39 `12345678` 1 > barcodefile.txt
```

- Open the `barcodefile.txt` file using TextEdit.
- Select and highlight `**12345678-*` in the file.
- Go to the menu Format -> Fonts -> Show Fonts.
- Under All Fonts, set the Font family to `CCode39_S3` and the Font size to `24`.

A Code 39 barcode that adheres to industry specifications is created. Besides the Code 39 barcode, you can also create barcodes such as Code 128, EAN13, GS1 128, ITF14, I2of5 and many more using Barcode Command.

1.4 Parameters of Barcode Command

This section focuses on the parameters supported by Barcode Command. The table below illustrates the general pattern of usage. It is common to add “./” before the “BarcodeCommand” to instruct Mac OS Terminal to launch the application from the current directory. When describing the usage of Barcode Command in this section, the “./” is generally not included.

1.4.1 General Usage

```
BarcodeCommand <BarcodeType> '<BarcodeData>' <BarcodeParameters>
```

It is important to enclose the barcode data using single quotes as shown above. This is to prevent special characters occurring in the data being interpreted as some UNIX Shell commands.

Different types of barcodes support different types of parameters, which are described in details below.

1.4.2 Code 39

```
BarcodeCommand Code39 '<BarcodeData>' <CheckDigit: 0 for Off or 1 for On>
```

An example of creating a Code 39 barcode with a check digit using the data “12345678” is shown below. Note the “./” we described at the start of this section is included in the example below. For the rest of this section, the “./” is assumed in the command entered in the Mac OS Terminal.

```
./BarcodeCommand Code39 '12345678' 1
```

1.4.2.1 **Fonts**

The Code 39 barcode can use the following fonts:

- CCode39_S1
- CCode39_S2
- CCode39_S3
- CCode39_S4
- CCode39_S5
- CCode39_S6
- CCode39_S7
- CCode39_HS3 – With Human Readable Text

1.4.3 Code 39 ASCII

```
BarcodeCommand Code39ASCII '<BarcodeData>' <CheckDigit: 0 for Off or 1 for On>
```

1.4.3.1 **Fonts**

The Code 39 ASCII barcode can use the following fonts:

- CCode39_S1
- CCode39_S2
- CCode39_S3
- CCode39_S4
- CCode39_S5
- CCode39_S6
- CCode39_S7
- CCode39_HS3 – With Human Readable Text

1.4.4 Code 128 Auto

```
BarcodeCommand Code128Auto '<BarcodeData>'
```

1.4.4.1 **Fonts**

The Code 128 Auto barcode can use the following fonts:

- CCode128_S1
- CCode128_S2
- CCode128_S3
- CCode128_S4
- CCode128_S5
- CCode128_S6
- CCode128_S7

1.4.5 Code 128 A

```
BarcodeCommand Code128A '<BarcodeData>'
```

1.4.5.1 **Fonts**

The Code 128 A barcode can use the following fonts:

- CCode128_S1
- CCode128_S2
- CCode128_S3
- CCode128_S4
- CCode128_S5
- CCode128_S6
- CCode128_S7

1.4.6 Code 128 B

```
BarcodeCommand Code128B '<BarcodeData>'
```

1.4.6.1 Fonts

The Code 128 B barcode can use the following fonts:

- CCode128_S1
- CCode128_S2
- CCode128_S3
- CCode128_S4
- CCode128_S5
- CCode128_S6
- CCode128_S7
- CCode128B_HS3 – With Human Readable Text

1.4.7 Code 128 C

```
BarcodeCommand Code128C '<BarcodeData>'
```

1.4.7.1 Fonts

The Code 128 C barcode can use the following fonts:

- CCode128_S1
- CCode128_S2
- CCode128_S3
- CCode128_S4
- CCode128_S5
- CCode128_S6
- CCode128_S7

1.4.8 UCCEAN

```
BarcodeCommand UCCEAN '<BarcodeData>'
```

It is important to note that the data for a UCCEAN barcode **strictly** requires the single quotes as shown above. The reason is that UCCEAN data contains brackets for enclosing Application Identifiers. For example, the SSCC barcode starts with "(00)" and the GTIN barcode starts with "(01)". To cater to the brackets, the single quotes are required in the command. The table below illustrates how to create a GTIN UCCEAN barcode with the single quotes.

```
BarcodeCommand UCCEAN '(01)12345678901234'
```

1.4.8.1 **Fonts**

The UCCEAN (GS1 128) barcode can use the following fonts:

- CCode128_S1
- CCode128_S2
- CCode128_S3
- CCode128_S4
- CCode128_S5
- CCode128_S6
- CCode128_S7

1.4.9 Code 93

```
BarcodeCommand Code93 '<BarcodeData>' <CheckDigit: 0 for Off or 1 for On>
```

1.4.9.1 **Fonts**

The Code 93 barcode can use the following fonts:

- CCode93_S1
- CCode93_S2
- CCode93_S3
- CCode93_S4
- CCode93_S5
- CCode93_S6
- CCode93_S7

1.4.10 Codabar

```
BarcodeCommand Codabar '<BarcodeData>'
```

1.4.10.1 Fonts

The Rational Codabar barcode can use the following fonts:

- CCodeCodabar_S1
- CCodeCodabar_S2
- CCodeCodabar_S3
- CCodeCodabar_S4
- CCodeCodabar_S5
- CCodeCodabar_S6
- CCodeCodabar_S7

1.4.11 EAN13

```
BarcodeCommand EAN13 '<BarcodeData>' <Extended Style: 0 for Off or 1 for On>
```

THE UPC/EAN barcode font supports human readable text embedded in an extended style manner as shown below. To generate an output string that produces the barcode below, simply provide the value "1" for the Extended Style parameter.



1.4.11.1 Fonts

The EAN13 barcode can use the following fonts:

Without Human Readable Text

- CCodeUPCEAN_S1
- CCodeUPCEAN_S2
- CCodeUPCEAN_S3
- CCodeUPCEAN_S4
- CCodeUPCEAN_S5
- CCodeUPCEAN_S6
- CCodeUPCEAN_S7

With Human Readable Text at the Bottom of the barcode (For Extended Style)

Serif	Sans	Blank
CCodeUPCEAN_HRBS1	CCodeUPCEANA_HRBS1	CCodeUPCEANB_HRBS1
CCodeUPCEAN_HRBS2	CCodeUPCEANA_HRBS2	CCodeUPCEANB_HRBS2
CCodeUPCEAN_HRBS3	CCodeUPCEANA_HRBS3	CCodeUPCEANB_HRBS3
CCodeUPCEAN_HRBS4	CCodeUPCEANA_HRBS4	CCodeUPCEANB_HRBS4
CCodeUPCEAN_HRBS5	CCodeUPCEANA_HRBS5	CCodeUPCEANB_HRBS5
CCodeUPCEAN_HRBS6	CCodeUPCEANA_HRBS6	CCodeUPCEANB_HRBS6
CCodeUPCEAN_HRBS7	CCodeUPCEANA_HRBS7	CCodeUPCEANB_HRBS7

With Human Readable Text at the Top of the barcode (typically only used by EXT2/EXT5. For this barcode, only 3 font sizes are supported.)

- CCodeUPCEAN_HRTS1
- CCodeUPCEAN_HRTS2
- CCodeUPCEAN_HRTS3

1.4.12 EAN8

BarcodeCommand EAN8 '<BarcodeData>' <Extended Style: 0 for Off or 1 for On>

1.4.12.1 Fonts

The EAN8 barcode can use the following fonts:

Without Human Readable Text

- CCodeUPCEAN_S1
- CCodeUPCEAN_S2
- CCodeUPCEAN_S3
- CCodeUPCEAN_S4
- CCodeUPCEAN_S5
- CCodeUPCEAN_S6
- CCodeUPCEAN_S7

With Human Readable Text at the Bottom of the barcode (For Extended Style)

Serif	Sans	Blank
CCodeUPCEAN_HRBS1	CCodeUPCEANA_HRBS1	CCodeUPCEANB_HRBS1
CCodeUPCEAN_HRBS2	CCodeUPCEANA_HRBS2	CCodeUPCEANB_HRBS2
CCodeUPCEAN_HRBS3	CCodeUPCEANA_HRBS3	CCodeUPCEANB_HRBS3
CCodeUPCEAN_HRBS4	CCodeUPCEANA_HRBS4	CCodeUPCEANB_HRBS4
CCodeUPCEAN_HRBS5	CCodeUPCEANA_HRBS5	CCodeUPCEANB_HRBS5
CCodeUPCEAN_HRBS6	CCodeUPCEANA_HRBS6	CCodeUPCEANB_HRBS6
CCodeUPCEAN_HRBS7	CCodeUPCEANA_HRBS7	CCodeUPCEANB_HRBS7

With Human Readable Text at the Top of the barcode (typically only used by EXT2/EXT5. For this barcode, only 3 font sizes are supported.)

- CCodeUPCEAN_HRTS1
- CCodeUPCEAN_HRTS2
- CCodeUPCEAN_HRTS3

1.4.13 UPCA

BarcodeCommand UPCA '<BarcodeData>' <Extended Style: 0 for Off or 1 for On>

1.4.13.1 Fonts

The UPCA barcode can use the following fonts:

Without Human Readable Text

- CCodeUPCEAN_S1
- CCodeUPCEAN_S2
- CCodeUPCEAN_S3
- CCodeUPCEAN_S4
- CCodeUPCEAN_S5
- CCodeUPCEAN_S6
- CCodeUPCEAN_S7

With Human Readable Text at the Bottom of the barcode (For Extended Style)

Serif	Sans	Blank
CCodeUPCEAN_HRBS1	CCodeUPCEANA_HRBS1	CCodeUPCEANB_HRBS1
CCodeUPCEAN_HRBS2	CCodeUPCEANA_HRBS2	CCodeUPCEANB_HRBS2
CCodeUPCEAN_HRBS3	CCodeUPCEANA_HRBS3	CCodeUPCEANB_HRBS3
CCodeUPCEAN_HRBS4	CCodeUPCEANA_HRBS4	CCodeUPCEANB_HRBS4
CCodeUPCEAN_HRBS5	CCodeUPCEANA_HRBS5	CCodeUPCEANB_HRBS5
CCodeUPCEAN_HRBS6	CCodeUPCEANA_HRBS6	CCodeUPCEANB_HRBS6
CCodeUPCEAN_HRBS7	CCodeUPCEANA_HRBS7	CCodeUPCEANB_HRBS7

With Human Readable Text at the Top of the barcode (typically only used by EXT2/EXT5. For this barcode, only 3 font sizes are supported.)

- CCodeUPCEAN_HRTS1
- CCodeUPCEAN_HRTS2
- CCodeUPCEAN_HRTS3

1.4.14 UPCE

BarcodeCommand UPCE '<BarcodeData>' <Extended Style: 0 for Off or 1 for On>

1.4.14.1 Fonts

The UPCE barcode can use the following fonts:

Without Human Readable Text

- CCodeUPCEAN_S1
- CCodeUPCEAN_S2
- CCodeUPCEAN_S3
- CCodeUPCEAN_S4
- CCodeUPCEAN_S5
- CCodeUPCEAN_S6
- CCodeUPCEAN_S7

With Human Readable Text at the Bottom of the barcode (For Extended Style)

Serif	Sans	Blank
CCodeUPCEAN_HRBS1	CCodeUPCEANA_HRBS1	CCodeUPCEANB_HRBS1
CCodeUPCEAN_HRBS2	CCodeUPCEANA_HRBS2	CCodeUPCEANB_HRBS2
CCodeUPCEAN_HRBS3	CCodeUPCEANA_HRBS3	CCodeUPCEANB_HRBS3
CCodeUPCEAN_HRBS4	CCodeUPCEANA_HRBS4	CCodeUPCEANB_HRBS4
CCodeUPCEAN_HRBS5	CCodeUPCEANA_HRBS5	CCodeUPCEANB_HRBS5
CCodeUPCEAN_HRBS6	CCodeUPCEANA_HRBS6	CCodeUPCEANB_HRBS6
CCodeUPCEAN_HRBS7	CCodeUPCEANA_HRBS7	CCodeUPCEANB_HRBS7

With Human Readable Text at the Top of the barcode (typically only used by EXT2/EXT5. For this barcode, only 3 font sizes are supported.)

- CCodeUPCEAN_HRTS1
- CCodeUPCEAN_HRTS2
- CCodeUPCEAN_HRTS3

1.4.15 EXT2

BarcodeCommand EXT2 '<BarcodeData>' <Extended Style: 0 for Off or 1 for On>

1.4.15.1 Fonts

The EXT2 barcode can use the following fonts:

Without Human Readable Text

- CCodeUPCEAN_S1
- CCodeUPCEAN_S2
- CCodeUPCEAN_S3
- CCodeUPCEAN_S4
- CCodeUPCEAN_S5
- CCodeUPCEAN_S6
- CCodeUPCEAN_S7

With Human Readable Text at the Bottom of the barcode (For Extended Style)

Serif	Sans	Blank
CCodeUPCEAN_HRBS1	CCodeUPCEANA_HRBS1	CCodeUPCEANB_HRBS1
CCodeUPCEAN_HRBS2	CCodeUPCEANA_HRBS2	CCodeUPCEANB_HRBS2
CCodeUPCEAN_HRBS3	CCodeUPCEANA_HRBS3	CCodeUPCEANB_HRBS3
CCodeUPCEAN_HRBS4	CCodeUPCEANA_HRBS4	CCodeUPCEANB_HRBS4
CCodeUPCEAN_HRBS5	CCodeUPCEANA_HRBS5	CCodeUPCEANB_HRBS5
CCodeUPCEAN_HRBS6	CCodeUPCEANA_HRBS6	CCodeUPCEANB_HRBS6
CCodeUPCEAN_HRBS7	CCodeUPCEANA_HRBS7	CCodeUPCEANB_HRBS7

With Human Readable Text at the Top of the barcode (typically only used by EXT2/EXT5. For this barcode, only 3 font sizes are supported.)

- CCodeUPCEAN_HRTS1
- CCodeUPCEAN_HRTS2
- CCodeUPCEAN_HRTS3

1.4.16 EXT5

BarcodeCommand EXT5 '<BarcodeData>' <Extended Style: 0 for Off or 1 for On>

1.4.16.1 Fonts

The EXT5 barcode can use the following fonts:

Without Human Readable Text

- CCodeUPCEAN_S1
- CCodeUPCEAN_S2
- CCodeUPCEAN_S3
- CCodeUPCEAN_S4
- CCodeUPCEAN_S5
- CCodeUPCEAN_S6
- CCodeUPCEAN_S7

With Human Readable Text at the Bottom of the barcode (For Extended Style)

Serif	Sans	Blank
CCodeUPCEAN_HRBS1	CCodeUPCEANA_HRBS1	CCodeUPCEANB_HRBS1
CCodeUPCEAN_HRBS2	CCodeUPCEANA_HRBS2	CCodeUPCEANB_HRBS2
CCodeUPCEAN_HRBS3	CCodeUPCEANA_HRBS3	CCodeUPCEANB_HRBS3
CCodeUPCEAN_HRBS4	CCodeUPCEANA_HRBS4	CCodeUPCEANB_HRBS4
CCodeUPCEAN_HRBS5	CCodeUPCEANA_HRBS5	CCodeUPCEANB_HRBS5
CCodeUPCEAN_HRBS6	CCodeUPCEANA_HRBS6	CCodeUPCEANB_HRBS6
CCodeUPCEAN_HRBS7	CCodeUPCEANA_HRBS7	CCodeUPCEANB_HRBS7

With Human Readable Text at the Top of the barcode (typically only used by EXT2/EXT5. For this barcode, only 3 font sizes are supported.)

- CCodeUPCEAN_HRTS1
- CCodeUPCEAN_HRTS2
- CCodeUPCEAN_HRTS3

1.4.17 I2of5

```
BarcodeCommand I2of5 '<BarcodeData>' <CheckDigit: 0 for Off or 1 for On>
```

1.4.17.1 Fonts

The I2of5 barcode can use the following fonts:

- CCodeI2of5_S1
- CCodeI2of5_S2
- CCodeI2of5_S3
- CCodeI2of5_S4
- CCodeI2of5_S5
- CCodeI2of5_S6
- CCodeI2of5_S7
- CCodeI2of5_HS3 - With Human Readable Text

1.4.18 ITF14

```
BarcodeCommand ITF14 '<BarcodeData>' <CheckDigit: 0 for Off or 1 for On> <ITF: 0 for TopBottom or 1 for Rectangle
```

The bearers bar of the ITF14 barcode is specified in the third parameter as shown above. A value of "0" will generate a barcode on the left, as shown below, while a value of "1" will generate a barcode on the right with rectangle bearers bar.



1.4.18.1 Fonts

The ITF14 barcode can use the following fonts:

- CCodeITF_S1
- CCodeITF_S2
- CCodeITF_S3
- CCodeITF_S4
- CCodeITF_S5
- CCodeITF_S6
- CCodeITF_S7

1.4.19 Industrial 2 of 5

```
BarcodeCommand Industrial2of5 '<BarcodeData>' <CheckDigit: 0 for Off or 1 for On>
```

1.4.19.1 **Fonts**

The Industrial 2 of 5 barcode can use the following fonts:

- CCodeIND2of5_S1
- CCodeIND2of5_S2
- CCodeIND2of5_S3
- CCodeIND2of5_S4
- CCodeIND2of5_S5
- CCodeIND2of5_S6
- CCodeIND2of5_S7

1.4.20 Modified Plessey

```
BarcodeCommand ModifiedPlessey '<BarcodeData>' <CheckDigit: 0 for Off or 1 for On>
```

1.4.20.1 **Fonts**

The Industrial 2 of 5 barcode can use the following fonts:

- CCodeMSI_S1
- CCodeMSI_S2
- CCodeMSI_S3
- CCodeMSI_S4
- CCodeMSI_S5
- CCodeMSI_S6
- CCodeMSI_S7

1.4.21 POSTNET

```
BarcodeCommand POSTNET '<BarcodeData>'
```

1.4.21.1 **Fonts**

The POSTNET barcode only uses the font below:

- CCodeIPostnet (Font Size 9)

1.4.22 GS1 Databar 14

```
BarcodeCommand GS1Databar14 '<BarcodeData>'
```

1.4.22.1 Fonts

The GS1 Databar 14 barcode can use the following fonts:

- CCodeGS1D_S1
- CCodeGS1D_S2
- CCodeGS1D_S3
- CCodeGS1D_S4
- CCodeGS1D_S5
- CCodeGS1D_S6
- CCodeGS1D_S7