

# NCH Software

## Barillo Barcode Software

This user guide has been created for use with  
Barillo Barcode Software Version 1.xx

# Technical Support

If you have difficulties using Barillo Barcode Software please read the applicable topic before requesting support. If your problem is not covered in this user guide please view the up-to-date Barillo Barcode Software Online Technical Support at [www.nchsoftware.com/barcode/support.html](http://www.nchsoftware.com/barcode/support.html)

If that does not solve your problem, you can contact us using the technical support contacts listed on that page.

# Software Suggestions

If you have any suggestions for improvements to Barillo Barcode Software, or suggestions for other related software that you might need, please post it on our Suggestions page at [www.nch.com.au/suggestions/index.html](http://www.nch.com.au/suggestions/index.html)

Many of our software projects have been undertaken after suggestions from users like you. You get a free upgrade if we follow your suggestion.

# Barillo Barcode Software

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# Overview

Barillo is an easy to use application for creating barcodes. Barcodes may be previewed, then exported to an image file.

## System Requirements

Windows XP / 2003 / Vista / 2008 / 7.

## Usage

A barcode type may be selected from the top panel. See [Barcode Types](#) for a list of supported types.

The value (payload) for the barcode can be entered using the entry box on the left. As you type, the preview window on the right will update.

To export an image of the barcode, click the "Export..." button or select "Export..." from the file menu.

# Barcode Types

## EAN-8

EAN-8 is an international barcode type used for universally identifiable products. It is only used when there isn't enough space on the packaging for an EAN-13 barcode. An EAN-8 encodes a GTIN-8 (8 digit Global Trade Item Number).

## EAN-13

EAN-13 is the most common barcode type used internationally for universally identifiable products. An EAN-13 encodes a GTIN-13 (13 digit Global Trade Item Number). EAN-13 type barcodes are an extension of UPC-As, which encode an extra digit allowing them to be used internationally.

## UPC-A

UPC-A is the most common barcode type used in the USA and Canada for universally identifiable products. A UPC-A encodes a GTIN-12 (12 digit Global Trade Item Number).

## UPC-E

UPC-E encodes a GTIN-12, like UPC-A, but creates a barcode suitable for smaller packages by compressing the 12 digit number into a six digit code to reduce the number of bars needed.

Note: Not all GTIN-12's can be encoded as UPC-E barcodes. The barcode preview will show "Invalid barcode data" when this is the case.

# Entering a Barcode Value (Payload)

## EAN-8, EAN-13, UPC-A, and UPC-E

For EAN-8, EAN-13, UPC-A, and UPC-E type barcodes, the entry method provided is a fixed-count decimal digit input box. To enter a number, click on the first digit to select it, then begin typing the number. As you type, the check digit (marked) will change to reflect the current digits. You do not need to type the check digit. Digits can also be pasted from the clipboard, by selecting any digit then pressing Ctrl+V.

The number can also be entered directly using a barcode scanner. When a barcode scanner is attached to the computer in the "Keyboard Wedge" mode, scanning a barcode will simulate the typing of the number via the keyboard. So under these circumstances, you may select the first digit in the entry box and then scan a barcode; the digits will be entered into the box.

# Exporting a Barcode Image

Barillo supports exporting barcodes to a variety of image file formats. To open the export dialog, click the "Export..." button or select "Export..." from the file menu.

## Scale

The scale determines the physical dimensions of the barcode when it is printed. Barcode scanners can scan larger barcodes more accurately than smaller barcodes, so choose the scale that gives the largest dimensions that will fit on your document or packaging.

Note: Barillo will adjust the scale internally, taking into account the chosen DPI (see below), to ensure that bars do not start or end "in between" pixels. This keeps bars as crisp as possible, for better scanning accuracy, but does mean that the scale value shown here is approximate only.

## Dots per inch (DPI)

The dots per inch (DPI) determines the definition of the exported image. Higher DPI values allow fine differences in the image to be better defined.

## Dimensions

The dimensions in physical units and pixels are calculated automatically from the chosen scale and DPI. Change the physical units by selecting "mm" (for millimeters) or "in" (for inches) from the pull-down list.

Click the "Export..." button to choose a saving destination and file format. The image file formats supported by Barillo are: BMP, GIF, PCX, PNG, TGA, TIFF. For increased clarity and better scanning, use of lossless formats is recommended.

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