

Pinaker, v0.19 beta Quick Start

Disclaimer: this software is provided "as is", with no express warranty nor any implied warranty of merchantability, fitness for a particular purpose or even working at all.

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Paula Simões: Original idea, requirements, data sources and testing.

Quickstart:

You need an access key to ISBNdb (<http://isbndb.com/>). If you don't have one, create a free account with ISBNdb to obtain an access key. In the "Scripts and Configuration" panel, select the "ISBNdb access key" parameter, type your access key in the set value box and press enter (note: you only need to do this once; the key will be saved in the configuration file).

Photograph your book barcodes. The images should have around 3M pixels (2048x1536), with the barcode centered and occupying one third of the width of the image. Note: barcode identification is a bit picky, so focus properly and orient the bars vertically in the image.

Copy the .jpg files to a folder. In the "Image Processing" page, select the folder and press the "Process images" button to read the ISBN-13 numbers.

Numbers that were not identified are shown on the top list box. Select the first one, type the correct ISBN-13 number in the text box and press enter. Identification may fail either because the barcode could not be read or because it is a UPC and not an ISBN. In either case, you can correct it by typing the ISBN-10 or ISBN-13 written near the barcode. Note that the last digit is a check digit; you do not need to type that one.

After fixing the incorrect ISBN numbers, it's best to save the current session ("Save Session" button). Just in case, this being a beta version and all...

In the "Configuration and Scripts" panel, select the scripts you wish to run by checking their corresponding boxes in the script list. For English books, ISBNdb is the best option. For Portuguese books, Porbase should be the best. The Google books script is currently only for obtaining the URLs to the book cover images. Press the "Run Scripts" button, type the name of the .csv file to where you wish the information saved, and hope for the best.

Hints:

In Linux the file names are case-sensitive. If the .jpg extension for your image files are in lowercase then uncheck the ".JPG (uppercase)" checkbox. For Windows users this does not matter.

If you select a CSV file that already exists, the new information will be added to the file. The CSV files must always have the ISBN-13 entry in the first column. The remaining fields are arbitrary.

Source Code

The source code can be found here Github: <https://github.com/lkrippahl/Pinaker>

Builds for Windows and Ubuntu are here: <http://centria.fct.unl.pt/~ludi/software.html>

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