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Getting Started

Ditheridoo comes in two flavours:

- standalone executable for 64-bit systems Linux, MacOS/Darwin and Windows
- Python3 script

Run the standalone executable

Just download your bundle and enjoy. Keep in mind that only 64bit systems are supported as I could not find a 32bit system to generate the bundle.

Note for Windows users

If some antivirus scanner puts Ditheridoo into quarantine because it suspects a trojan or virus, simply put it out there again. It isn't harmful, I used PyInstaller to bundle the standalone executable for you. Unfortunately, the PyInstaller bootloader triggers a false alarm on some systems. I even tried my best and re-compiled the PyInstaller bootloader so that this should not happen anymore. Keep your fingers crossed ;)

Note for MacOS users

Your system might complain that the code is not signed by a certificated developer. Well, I am not, so I signed the program on my own.

"Ditheridoo" can't be opened because it is from an unidentified developer.

You need to right-click or Control-click the app and select "Open".

Run the Python3 script directly

Download *ditheridoo.py* and the whole *resource* - directory into the same folder on your computer.

Prerequisites

At least this is needed to run the script directly:

- python 3

- python tkinter module
- python “The Python Imaging Library” (PIL)

On my Debian GNU/Linux machine I use apt-get to install everything needed:

```
apt-get update
```

```
apt-get install python3 python3-tk python3-pil
```

Ditheridoo Cheatsheet

GUI controls

key	function
Ctrl+q	quit
Ctrl+o	open file
Ctrl+s	save file
Ctrl+p	preferences
Ctrl+h	this help

mouse control

mouse action	function
right mouse button	set color
left mouse button	set other color
middle mouse button	scroll image
mouse wheel	zoom in and out

editing

key	function
Ctrl+z	undo (single pixel editing only, not for block-commands like cut or paste)
Ctrl+x	cut
Ctrl+c	copy
Ctrl+p	paste
m	set marker
Ctrl+n	normal pencil
Ctrl+b	checkerboard dither pencil
Ctrl+x	x-line dither pencil
Ctrl+d	y-line dither pencil
Ctrl+l	light dither pencil

editor visuals

key	function
plus/ minus	zoom in and out
cursor keys	scroll image

left mouse-button color

key	function
0-9 a-f	select color
F1	screen-color-1 of block
F2	screen-color-2 of block
F3	colorram of block
F4	background

right mouse-button color

key	function
Shift+ 0-9 a-f	select color
Shift+F1	screen-color-1 of block
Shift+F2	screen-color-2 of block
Shift+F3	colorram of block
Shift+F4	background

color to replace (only when in draw mode ‘select’):

key	function
F5	screen-color-1 of block
F6	screen-color-2 of block
F7	colorram of block
F8	background
Space	no overwriting

notes: draw-modes

Can be set in settings window. Behaviour if too many colors are used (color-clash):

mode	description
keep color	keep color if too many colors are used
replace color	replace color if too many colors are used
select color	overwrite selected data: screen-color1, screen-color2, colorram or background

mode	description
dye	do not touch bitmap, only overwrite color

Changelog

Future plans

- implement sanity check: accept only standard koala format files
- implement real undo for all functions
- implement hires drawing mode
- implement different pencil sizes

Any help and support in any form is highly appreciated.

If you have a feature request, a bug report or if you want to offer help, please contact me:

<http://csdb.dk/scener/?id=3623> or wolf@abyss-connection.de

Changes in 1.0

- initial release

License

Ditheridoo multicolor bitmap editor for Commodore 64.

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Version 3, 29 June 2007

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