

Cartograph

By Arkanix Labs

What is Cartograph?

Cartograph is a native Commodore 64 application created for designing tile-based maps/levels. This versatile tool allows you to create maps and levels for your games, matrices and data for demos and tools and much more.

It works by importing a standard 2 kilobyte character set created with the user's favorite editor, and allows the user to create a level as small as 40x25 (1x C64 screen) all the way up to 256x128. It supports both hires and multicolor 8x8 pixel tiles.

This application was created as an internal devtool for Arkanix Labs. We're using Cartograph extensively with our Crimson Twilight Trilogy (tile-based CRPG) and Damned: Out Of Hell (side scroller).

Distribution of Cartograph

Cartograph is 100% free and may be distributed by any ftp/forum/website as long as the software remains unchanged and in its original .d64 file along with all help/example files. A link referring back to our website would be appreciated but isn't required.

Credits

Coding: Dustin "Fuzz" Chambers (compression based on algorithm by Robin "Macbeth" Harbron)

Testing & Ideas: Ray "Warlock" Lejuez, Jon "Moloch" Mines

Found a bug? Report it to cartograph@arkanixlabs.com

Want to learn more? Visit the Cartograph Forum at <http://www.c64dev.com/forum>

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Cartograph Menu

Exporting The Map

Press "X" to export your map from the Cartograph type to a smaller file. By default, Cartograph saves all maps in 256x128 format

Using the Export feature will convert the map to whichever size is selected under the Preset Sizes and save it to disk

Shift + X will export the map the same was as above but will also compress it with an RLE algorithm (a,b,a,b format.. a is character, b is # of times repeated)

WARNING: The map in memory WILL be deleted if no REU is present
Please save your work before exporting



Loading Options

Press "L" to load your tileset

Press "1" to load map (extension "tmap.")

Press "2" to load colors (extension "cmap.")

Press "3" to load data (animation info/map size, extension "data.")

Press "4" to load 40X25 (text screen only, extension "4025.")

Press "5" to load project (loads map, colors, and data all at once)

Press "T" to load data mode values (a value of 1-15 for each char, extension "type.")

Press "P" to load CartographPC map (extension "cgpc.")

Return To Editor

Press **←** to escape the menu

Reset Map

Press "R" to clear map

WARNING: If you have a map in memory this will completely erase it

Saving Options

Press "6" to save map (extension "tmap.")

Press "7" to save colors (extension "cmap.")

Press "8" to save data (animation info/map size, extension "data.")

Press "9" to save 40x25 (text screen only, extension "4025.")

Press "0" to save project (saves map, colors, tileset and data all at once)

Press "Y" to save data mode values (a value of 1-15 for each char, extension "type.")

Press "O" to save CartographPC map (extension "cgpc.")

Selecting Map Size

A for 256x128

B for 256X25

C for 128x128

D for 64x64

E for 40X128

F for 40x25

G for customized map size

Setting Map Size

Press "S" to enter a custom map size

Use +/- and *Return* to select your customized map size

A map must be between 40x25 and 256x128 characters in size

View Directory

Press "\$" to display a directory of the current disk inserted/attached to drive #8. During directory listing, hold down space to pause the screen output.

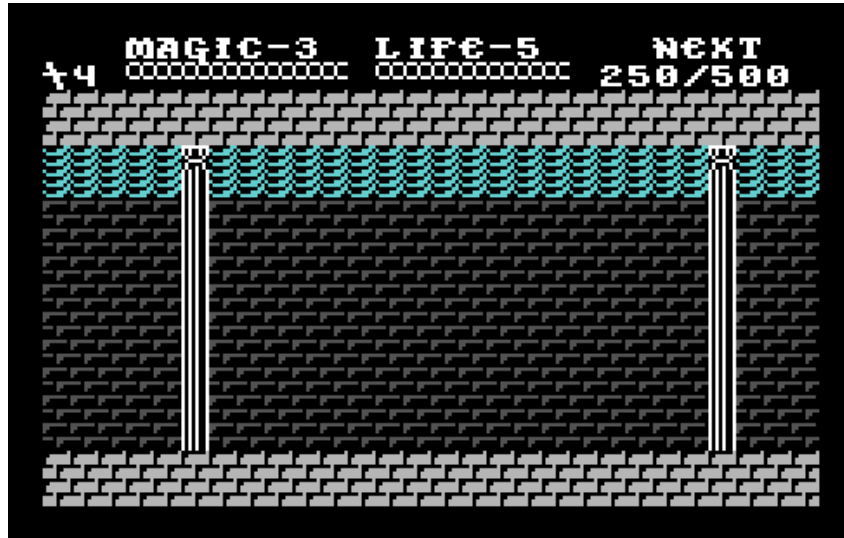
REU Autobackup

Press "*" to toggle the use of REU Autobackup on or off. If on, before doing a fill, a copy of the map will be saved in the REU (this feature is not available if no REU is present – it will remain grayed out)

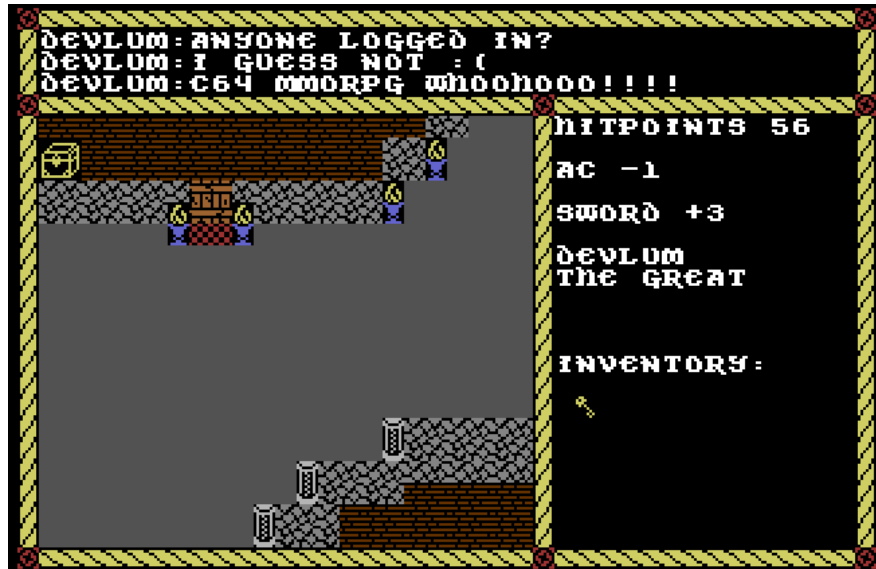
NOTE:

Load/Save Project use an in-built extension for each file saved; because of this you're limited to eleven characters in your filename.

Examples created using Cartograph



Zelda on C64?



MMORPG on C64?

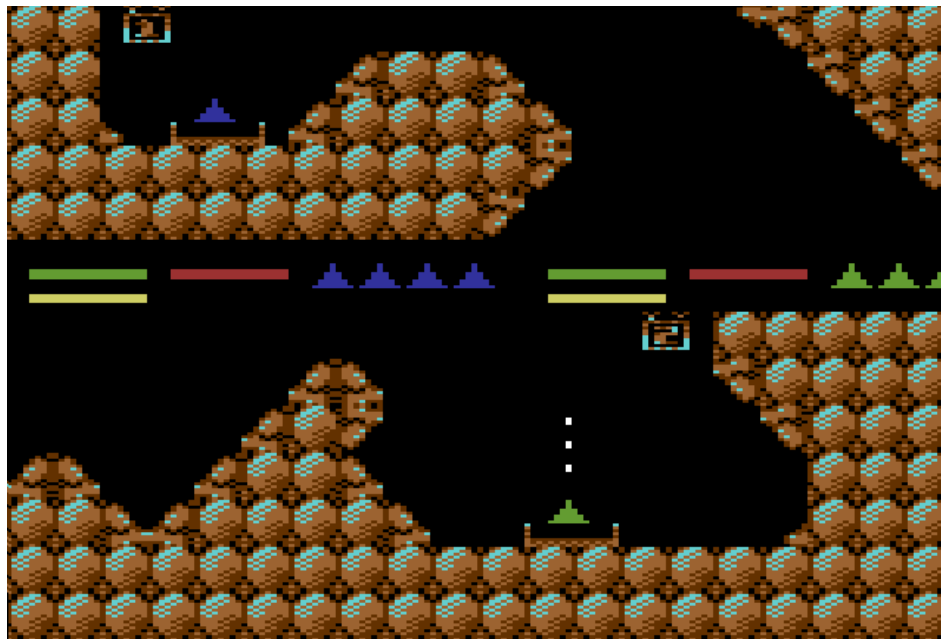


Isometric

Examples created using Cartograph



Tile Based CRPG



Havok by Arkanix Labs