

Quick guide to the 1541 Ultimate

Thank you for purchasing the "1541 Ultimate"-board: The versatile storage solution for your Commodore computer. Although the functions of the 1541 Ultimate are designed to be intuitive, this quick guide shows you the basic functions.

There are two modes of operation: Cartridge Mode and Stand-alone mode.

In both cases, the user should connect the 1541 Ultimate to the C64 or compatible computer by means of a 6-pin DIN cable (IEC cable), just like connecting a real external drive.

1) Cartridge mode

- Menu Driven User Interface (using an advanced freezer mechanism)
- Specialized IEC2SD-card User Interface (controlled over the serial bus)

2) Stand Alone mode

- Button Driven User Interface
- Specialized IEC2SD-card User Interface (controlled over the serial bus)

In cartridge mode, the menu UI can be accessed using the middle button. The user is presented a list that displays the contents of the inserted SD card. Use the keyboard as follows:

CRSR up/down	Move the cursor up/down
CRSR left / DEL	Go one level up (leave directory or disk)
CRSR right	Go one level down (enter directory or disk)
/	Go back to the root directory
Return	Select an entry: load program, or mount disk.
F1	Page up
F7	Page down
F3	Mount disk & run a program, by loading it through DMA
F2	Enter the setup menu
Shift+'C'	Create an empty D64
Shift+'D'	Create a directory
Shift+'R'	Rename a file or directory
INST (Shift+DEL)	Delete an entry
Quick seek:	Use the keyboard to type the entry name. You can use '?' as a wildcard (for the characters you are unsure of).
RUN/STOP	Leave the menu.

In this cartridge mode; by default the left button on the card is reset, the button on the right invokes the freezer function of the selected cartridge; Action Replay, Retro Replay, The Final Cartridge III, Super Snapshot V5 or TASM & CodeNet. Through the configuration menu, the buttons can be swapped if desired.

In Stand Alone mode, the buttons can be used to navigate blindly through the directories. Because the UI gives little feedback, it pays off to order your directories well. For instance: one directory for each application that spans more than one disk. The buttons can be used in the following way:

Press Left	Entry up in list
Press Right	Entry down in the list
Press Middle	Enter a directory (DIR), or mount a disk (.D64)
Hold Left	Jump to first entry in list
Hold Right	Jump to last entry in list
Hold Middle	Leave a directory (one level up)

Note that the button UI follows the navigation of the IEC2SD-card UI. So, after the application has started, the buttons can take over navigation from there.

IEC 2 SD-Card UI

This interface offers a special 'drive' on the serial bus that allows accessing the SD-card directly. The drive is accessible using the ID assigned to it; default: 9.

It accepts the load and save commands. It is also capable of processing commands given through the command channel; 15. (Use @ in action replay or OPEN 15,9,15,"...").

AUTOMOUNTn	Mounts the D64 automatically in the emulated 1541 drive, when an application is loaded from the image. n=0: off, n=1: on.
CD:name	Change to directory 'name'. Use '..' to go up one directory. Use '/' to go back to the root.
INITn	Initialize the drive. n=0: IEC2SD, n=1: 1541.
KILLn	Turns off the drive. Use INIT to revive. n=0: IEC2SD, n=1: 1541.
MD:name	Make directory with the name 'name'.
MD64:name,id	Make a D64 image file, with 'name,id'
MOUNT:name	Mount the D64 image in the emulated 1541 drive.
SCRATCH:name	Delete the entry.
SETSAVE	Save the settings permanently (eg. device numbers).
Un>dev	Change the device number of a drive. n=0: IEC2SD, n=1: 1541. 'dev' is any valid device number.

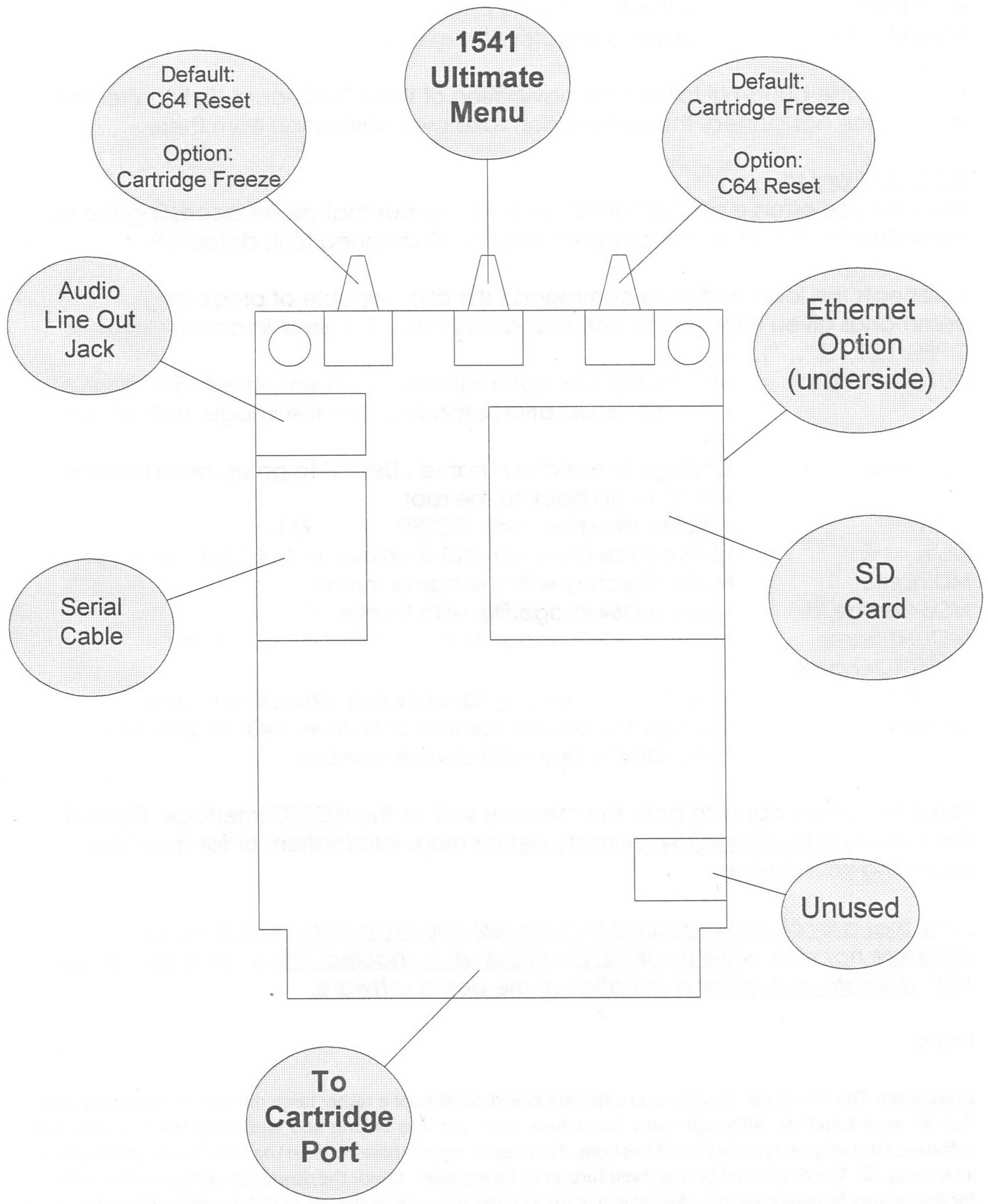
Some limitations apply to both the menu as well as the IEC2SD interface. Consult the website <http://www.1541ultimate.net> for more information, or for questions regarding your device.

Note that a lot of demos require to have just one drive attached. They will therefore not work while the IEC2SD-card drive is enabled! This is not a flaw of the 1541 Ultimate, but rather a limitation of the demo software.

Enjoy!

Disclaimer: The 'firmware' on your 1541 Ultimate board consists of a rather large number of functional parts that all work together. Although many hours have been put into testing and improving the firmware and software, I am very certain that it still has bugs. Feel free to report these bugs on the web-forum, preferably in a nice way. ☺ The device will be improved further as time passes. Check the download section at the website for the newest firmware version. We believe in the end this will sure be the 'ultimate' storage solution for your 8-bit Commodore computer.

Cartridge Mode



Stand Alone

