

Congratulations, you have purchased the Sound Ultimate Xpander 6400 (SUX 6400) with the Digimaster 64. You now have the most sophisticated audio digitizing hardware and software ever made for the Commodore 64 and the Commodore 128 (in C64 mode). With the SUX 6400 and Digimaster 64, you can capture 8-bit audio into the Commodore and play back the recording or use the recording in your own programs. Full documentation is included in the CD.

Minimum requirements for the Digimaster 64 software: a C64 or C128 (in C64 mode), one Commodore disk drive (1541, 1571, or compatible), a monitor or television, a 1351 mouse/compatible or joystick, the Sound Ultimate Xpander 6400.

Please check that your package has the following:

1. the SUX 6400 audio digitizer
2. a "floppy", two-sided disk with Digimaster 64 software
3. the Digimaster CD disc
4. this quick-start sheet of instructions

The entire instruction manual of the Digimaster 64 software is on a .pdf file located on the CD. There are also the two different versions of the Digimaster 64 software saved as .d64 files on the CD. Please read the .pdf file to get the most out of your Digimaster 64 software.

First, make a copy of your Digimaster 64 software; use the copy and store the original in a safe place.

To use the SUX 6400 and Digimaster 64 software, follow these quick-start instructions:

1. Make sure that your computer and disk drive are turned off.
2. Attach an audio device with a 1/8" mini-plug (stereo or mono) output cable to the SUX 6400's audio input jack. (Note: the output from the audio device should be "line level". Never connect a microphone to the SUX 6400. The SUX 6400 does not work with the output of an iPod.)
3. Attach the SUX 6400 to the user port of the C64 or C128. If the SUX 6400 has a cartridge case, it should be facing label up. If the SUX 6400 does not have a cartridge case, the board should be with the chips and gain control knob facing up.

4. Attach your mouse to control port 1 or a joystick to control port 2 of the C64 or C128.
5. Insert the copy of Digimaster 64 "floppy", two-sided disk into the disk drive.
6. Turn on the disk drive and the computer. If you have a C128, make sure to be in C64 mode.
7. Type the command, LOAD"SETUP",8 and press RETURN. Type RUN and press RETURN. Follow the instructions to configure Digimaster for the use of joystick or the use of mouse. The new configuration will save to disk. Type NEW and press RETURN.
8. Type the command, LOAD"DIGIMASTER",8,1. The Digimaster editor will automatically load and RUN.
9. Right click on the pull-down menu, S/FX. Click on Sample Audio. Click on the "Checkmark" to monitor the incoming sound from your audio device. Adjust the gain with the gain knob on the SUX 6400. Press the left mouse button or push the joystick button (or push the spacebar) to start capturing the sound. Press the left mouse button or push the joystick button (or spacebar) again to stop capturing the sound.
10. Follow the other pull-down menus and commands to play back and edit the sound. For detailed information, read the Digimaster 64 .pdf found on the Digimaster CD.

(Note: Though the Digimaster 64 .pdf refers to adjusting the "trim" on the audio digitizer with a screwdriver, you can adjust it with the gain knob on the SUX 6400.)

The people listed on the Sound Ultimate Xpander 6400 credits page, members of the Fresno Commodore User Group, and members of PDXCUG.org cannot be held responsible for any damage caused to your Commodore or to the SUX 6400 by the incorrect installation of the SUX 6400.

Chris Brenner, author of Digimaster 64, has made released the program as donationware. If you find the program useful, you are encouraged to send Chris a donation. Send your donations to Chris Brenner at

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Sound Ultimate Xpander 6400 credits

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SUX 6400 original circuit design by: Chris Brenner

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Digimaster 64: Chris Brenner

Assembled by members of PDXCUG.org

Assembled in the U.S.A.