SCSI2SD installation for E-MU Ultra

** SCSI2SD as a storage device works with all generations of E-MUs (drives should be formatted from the sampler according to the destination format), and multiple samplers can even share one SCSI2SD when properly terminated.

** Transfers of wave/AIFF files between SCSI2SD and PC/Mac over USB however are only possible on Ultra samplers with OS 4.7.

** Search the forum for tips and troubleshooting!

BOM

1x SCSI2SDv5 Card
http://amigakit.amiga.store/catalog/product_info.php?cPath=27&products_id=1264

1x Internal SCSI I/II cable. 50-pin to 50-pin
https://amigakit.amiga.store/catalog/product_info.php?products_id=442

1x External Mounting Bracket (to replace the E-MU floppy drive)
Specially designed by Roy Maya for samplers, shipping worldwide available.
https://www.shapeways.com/product/XMF5EE7W8/scsi2sd-v5-bracket

1x MicroSD card, class 10
Use any cheap card, min. 16 GB recommended to use the 4 available virtual drives.
https://www.amazon.com/Micro-SD-Memory-Cards/b?ie=UTF8&node=3015433011

1x computer HD jumper pin
To “fool” the E-MU into thinking the floppy drive still exists, once it is removed.
https://en.wikipedia.org/wiki/Jumper_(computing)

1x SCSI2SD configuration utility
http://www.codesrc.com/files/scsi2sd/

1x Micro USB to USB cable
To configure the SCSI2SD card before installation in the E-MU.
https://www.amazon.com/Micro-USB-to-Cable/dp/B004GETLY2

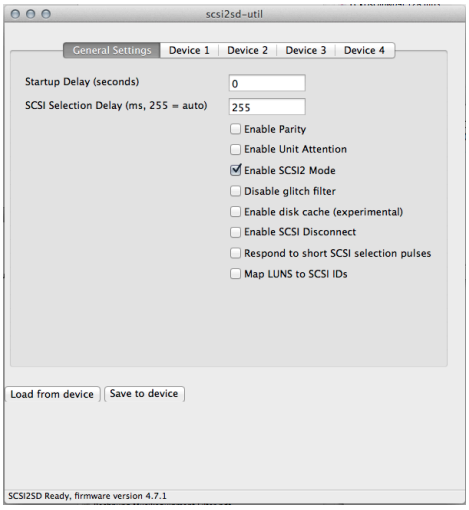
1x USB SD card reader with MircoSD slot
To transfer files between your computer and the sampler.
https://www.amazon.de/Transcend-TS-RDF5K-Kartenlesegerät-MicroSDHC-microSDXC/dp/B009D79VH4/ref=pd_lpo_vtph_147_bs_tr_t_1?_encoding=UTF8&psc=1&refRID=DDGNGJPYJDDDCQD90HB3

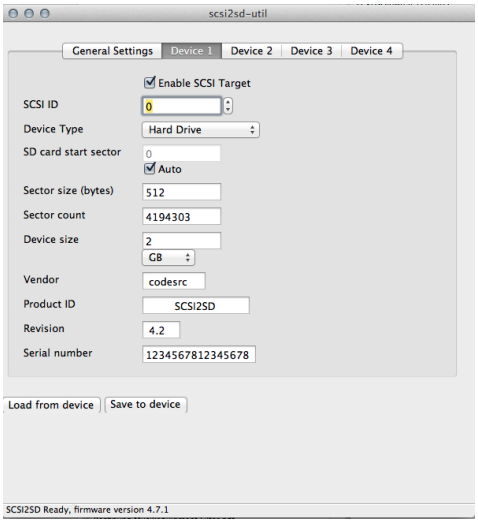
1x E4Btool 0.1.0
Handy little OSX app for creating E4B banks from wave files. Makes transferring really easy.
http://martinfay.com/Files/E4BTool 0.1.0.zip

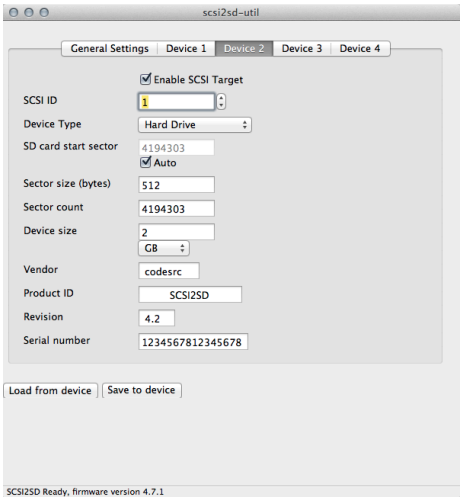
Installation Procedure:

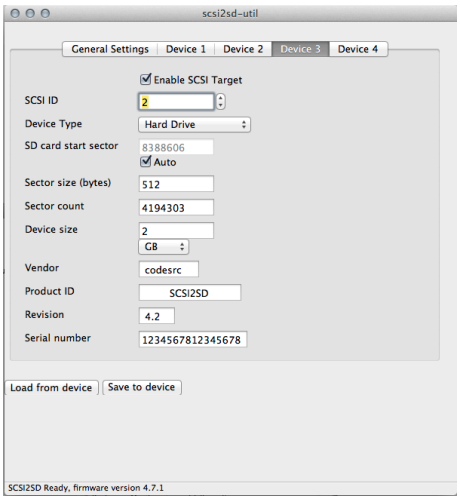
1. Download the SCSI2SD configuration utility application and connect the card to your PC/Mac.

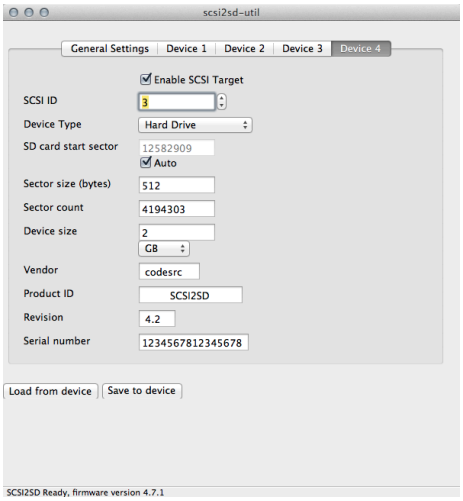
3. Open the **util** app, set it as follows, and then click “Save to Device.”

a. 

b. 

c. 

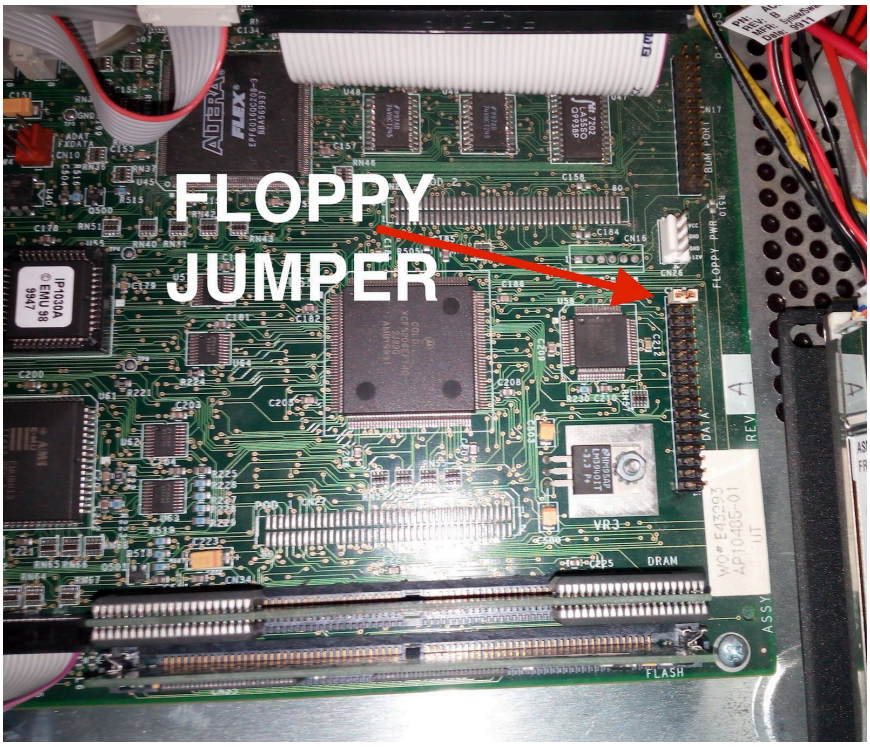
d. 

e. 

4. Disconnect the SCSI2SD from your computer.

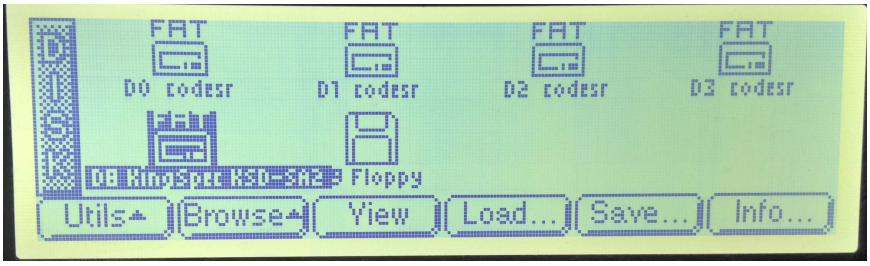
5. Open the E-MU and remove the floppy drive if necessary.

6. Attach the jumper to the last two pins on the floppy bus, as follows:



7. Attach the 50-pin SCSI cable between the SCSI2SD and the E-MU SCSI bus. The SCSI2SD card will be powered directly by the SCSI bus, so no other cabling is necessary.

8. Power on the sampler. Navigate to the disk section. The E-MU should display all four virtual drives.



9. Format each drive as FAT.

10. Turn off sampler and complete the installation by assembling the card and bracket, and seating it in the E-MU in place of the floppy drive.

Finished: You will now be able to save to the SD card, remove it, and transfer files between the computer and the E-MU.

Notes

** SCSI2SD currently supports up to 4 virtual drives. The drives are *only* visible through the SCSI2SD card (the micro SD card will not show 4 drives if it is plugged into your computer via a card reader without the SCSI2SD device).

** The SD card is hotswappable so you can transfer files between the E-MU and your computer while powered on.

SCSI experiment: 3 samplers and 1 scsi reader (scsi2sd)
https://www.youtube.com/watch?v=kytXdaK3Q7I

Building an external SCSI reader from a SCSI2SD and a Syquest enclosure
https://www.youtube.com/watch?v=VbfhE1ALuIw