

Preparing a memory card for use with a Deuteron Logger

The following steps must be taken to format an SD card prior to running a neural recording on that disk:

1. Obtain the “fat32format” utility, which can be downloaded at <https://fat32-format.en.softonic.com/>. Place it on the root level of your (Windows) computer (the C: drive). If you cannot find this utility, contact Deuteron, and we will provide it to you.
2. Open a command line (you can do this by clicking the start button, typing “cmd”, then Enter)
3. Navigate to the root level of your computer by typing the command “cd C:\” (without the quotation marks).
4. Insert the SD card into your computer, and look at the letter associated with the disk (typically G, H or I, but it could be anything). Ensure the SD card adapter does not have its “write-protect” switch asserted (the switch must be in the “down” position).
5. Type the command “fat32format -c128 <letter_of_the_disk>:.” For example, if the disk letter is h, type “fat32format -c128 h:” (without the quotation marks). **IMPORTANT: TAKE CARE TO TYPE IN THE CORRECT DISK LETTER, OR YOU MAY END UP IRREVERSIBLY DELETING VALUABLE DATA ON ANOTHER DISK!**
6. When the program asks you if you are sure you want to format, type ‘y’
7. Wait for the program to say “Done.” If it says the disk is in use, close all the windows open in Windows explorer, then try again.
8. Insert the SD card into your logger, and switch it on.
9. Run the LoggerDemo program, click “Synchronize,” then go to the “Advanced Controls” tab.
10. Click “Recover File Table,” type in the password (1234), then OK.
11. Wait about 10 seconds until a message says “Completed,” click OK, then wait about another 5 seconds.
12. Restart the logger and the software, and click “Synchronize” again. The software should show that all of the files are used. If it does not, repeat steps 10-11. If the problem persists, contact Deuteron.
13. Click “Erase all Files.” Enter the serial number and password when prompted, then wait until the erase is complete. The disk should now be ready for use.
14. It is recommended to do a “dry run” using the newly formatted SD card before connecting the logger to a live subject. Run a recording that spans a few files then ensure there are no gaps in the recorded data, and that the timestamps on the files are correct.