

Magic File Manipulator V2.1
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In version 2.2 the Xmodem routine now transfers 20 sectors (40 records of 128 bytes each) instead of 8 records per disk access thus greatly speeding up the transfer process.

In version 2.1 the C)atalog routine is now in assembly. Also there is a bug fix that had treated any file as a DF/128 when in Xmodem download.

This program now consists of two files, the loader (LOAD) with the assembly code, and the Extended Basic Portion (MAGICFM) which is loaded by the loader. If you intend to run this program from a drive other than DSK1, change the statement in LOAD , line 20 to reflect the drive out of which it is to be run. Apparently this two-file method is preferred by Myarc Controller cards.

This program is intended to facilitate the transfer of files between the TI on which it is running and another computer such as a PC clone using Xmodem CRC protocol. All keyboard functions may be performed on the system connected to the one on which this program is being run eliminating the need to setup a terminal emulator program on each and then going back and forth between the two computers to effect a transfer. When transferring a DF/128 file from the system running the program you will be asked if you wish that a TIFILES header be sent. Since DF/128 is the format in which non-TI files are usually found on TI systems as well as the format used by some graphics files, it may be desirable to omit this header when transferring to a computer other than another TI or Geneve.

The program is capable of speeds up to and including 19200 baud at 8N1 (8 bits, no parity, 1 stop bit), and you should set your terminal program to those parameter settings. Speed selection is done by editing the Extended Basic portion (MAGICFM). Choices are commented in the appropriate line.

There is also a file management section that includes the ability to protect, unprotect, rename, and delete a file on drives 1-4. Selecting D)delete automatically asks for verification of selection and then will automatically unprotect prior to deletion. In like manner, renaming a file will cause the file to be unprotected before renaming. The disk is first checked for the selected file before any operation is performed and an error message will be returned should the file not be found on the chosen disk.

Filenames are also verified and error messages displayed if you attempt to upload a file that is already present on the destination disk. In this case, use the File management section to delete or rename the existing file before uploading the new one.

Similarly a warning message will be displayed if a file selected for downloading is not found.

Version 2.0 now allows viewing a DV/80 or DF/128 file with or without carriage returns and line feeds. Merely follow the prompts.

This program runs from Extended Basic. Do not use a loader like Boot to load it since it will not load properly. It is best to run it directly from XB by selecting XB from the main title screen.

Cable connections are simple. Pins 1 and 7 are directly connected and 2 and 3 may need reversing depending upon the computer attached. BE SURE TO KEEP PINS 20 AND 8 FROM BEING HELD LOW (pulled to ground) for proper operation.

There is also a "test mode" which can be used to test the communications between the HOST and the connected computer. Pressing Function 7 on the HOST will place the system in test mode. Anything typed on either system will appear on both. F9 on the HOST or Control 0 on the attached computer will turn off TEST mode.

I have been told that this program will run on a Geneve.

This program has been written to support 4 disk drives and now with version 2 it will support a ramdisk 1-4. With 3 drives and select drive 4, the program will stop with an error condition. The program should support any type of drive accessible via DSRLNK. Editing the XB portion of the A future version will support a hard drive.

By the way, I really don't expect anything for the use of this program. As mentioned above, this started out to be a tool for me to transfer files between my TI and clone, but feedback I have received indicates that a program of this type is useful to others who love their TI's but have decided to purchase other types of computers. If you feel compelled to send something for the program, I certainly would not wish to disappoint you by refusing it, however it is not expected nor solicited.