

TRS-80 (sdltrs) emulator

Boot into Basic TRS-80 LEVEL II BASIC that uses a cassette

```
sdltrs -keystretch 400 -scale2 -autodelay -model 1 -romfile ~/xtrs/ROMs/level2.rom  
-diskdir .
```

```
MEMORY SIZE?          ...Press ENTER  
RADIO SHACK LEVEL II BASIC  
READY  
>_
```

To Run Super Nova
Press ALT T to go to Cassette Menu
Point TO supnov12.cas

Actually the above, using the menu doesn't seem to work all the time!
Adding the cassette to startup seemed to help

```
sdltrs -keystretch 400 -scale2 -autodelay -model1 -romfile  
~/xtrs/ROMs/level2.rom -cassette "supnov12.cas" -diskdir .
```

If you put -cassette option before the -romfile...it won't work

```
SYSTEM  
*? NOVA          ...My experience is if asterisks don't start flashing soon...they won't  
*? /
```

External programs can loaded from cassette. Usually filename.cas such as
supnov12.cas

You can't just point to a text/ASCII .bas file from the Cassette Menu.
Basic programs can be **CLOAD**ed from cassette..

I have had various success pasting CTRL-v Basic text files (often .bas) into LEVEL II BASIC. I find that some lines don't insert properly. One solution I found is to add extra CRLFs after each line. Two was better than none, however ended up adding 4 in the Star Trek source for success. All lines don't need them but it's easier programatically to just insert 4 CRLFs after each line. These extra CRLFs are just discarded. Use Turbo mode F11 which is much faster. To paste Super Star Trek into the TRS-80 took about 26 min 30 sec in normal vs 5 min 30sec in turbo. This was only 425 actual Basic lines! This program was an incompatible TRS-80 version of Super Star Trek. However it still makes the point. At that point you could CSAVE"S" it onto a cassette. However if these files are on Linux, the lines probably end with a LF. So you 1 st must change the endings to CRLF otherwise the lines will just run together. You could use Atom or VS Code for example to do this.

Binary programs can also be loaded from cassette using the **SYSTEM** command as seen above. You'll need to know the name to enter at *? because it won't necessarily match the cassette filename.

To run Star Trek (or other cassette software)

```
Select "Cassette Management" from SDLTRS Main Menu...F7  
Select...Cass      :Empty  
Then select "startrek.cas"  
Escape back to TRS-80 screen then Type CLOAD (Will take a few minutes to
```

load...Astricks will blink in Upper right corner)

Boot into TRS-80 that uses the more powerful TRSDOS

```
sdltrs -keystretch 400 -scale2 -autodelay -model1 -disk0  
"/home/bill/MyStuff/Computer_Simulator_Emulator/Emulators/TRS-80/TRSDOS_v2.3_(1979)  
(Radio_Shack)[DSK][Master]/disk1-0" -romfile ~/xtrs/ROMs/level2.rom -diskdir .
```

Press ALT D to go to Floppy Menu to enter other Floppies you want to use

you can do a DIR :n ...to see what's on the disk where n is 1-7...0 is the OS

Once again...like the **LEVEL II BASIC** you can't just load in a Basic text file. They must be on a TRSDOS disk (filename.dsk)

If a TRSDOS directory shows filename/BAS (TRSDOS uses / not .) you can load those by...

```
BASIC ...ENTER disk Basic  
LOAD "SUPSTU1B/BAS:n" ... where n is 1-7  
LIST ...if you want to see the code  
RUN
```

sdltrs does include a directory (with .dsk file containing utilities that can IMPORT an external Linux (in my case) file. There are other commands such as EXPORT on this disk also.

Useful keys...

```
F7    ...Main Menu  
F8    ...Exit Emulator  
F10   ...Reset for example returns you to TRSDOS from disk BASIC  
F11   ...Turbo mode (displays in Title bar at top)
```

Important: Caplock must be off for typed commands to work! Pasted TRSDOS commands also must be lowercase. Might not be true in BASIC.