

How to run PC99 under Linux

by Dan H. Eicher
20040204

1. Start with a clean hard drive.
2. Create a 256 Mb partition on the drive.
3. Test that this worked by booting the machine and going in to DOS.
4. Install PC99.
5. Reboot PC with Whitebox Linux CD1 in CDROM drive.

<http://www.whiteboxlinux.org/>

Note: Boot order was set to floppy, CDROM, hard disk.
6. Manually partition the rest of the drive.
7. Follow the bouncing prompts.
Three perhaps important selections.
I enabled: X, Gnome and Graphics.
8. Download dosemul – rpm 1.20

<http://www.dosemu.org/>

Install with


```
rpm -i dosemu-1.2.0-1.i386.rpm
```
9. See that it installed.


```
man dosemu
```
10.

```
mkdir /dos
```
11.

```
mount /dev/hda1 /dos -t msdos
```
12. Now your DOS partition is available from /dos.
13. Go to bsh and execute dosemu — it will ask you where your boot files are, tell it \dos.
14. Exit this terminal window

15. You will need to know what tty devices are available to you.

You can find that out by going to `\var\log`

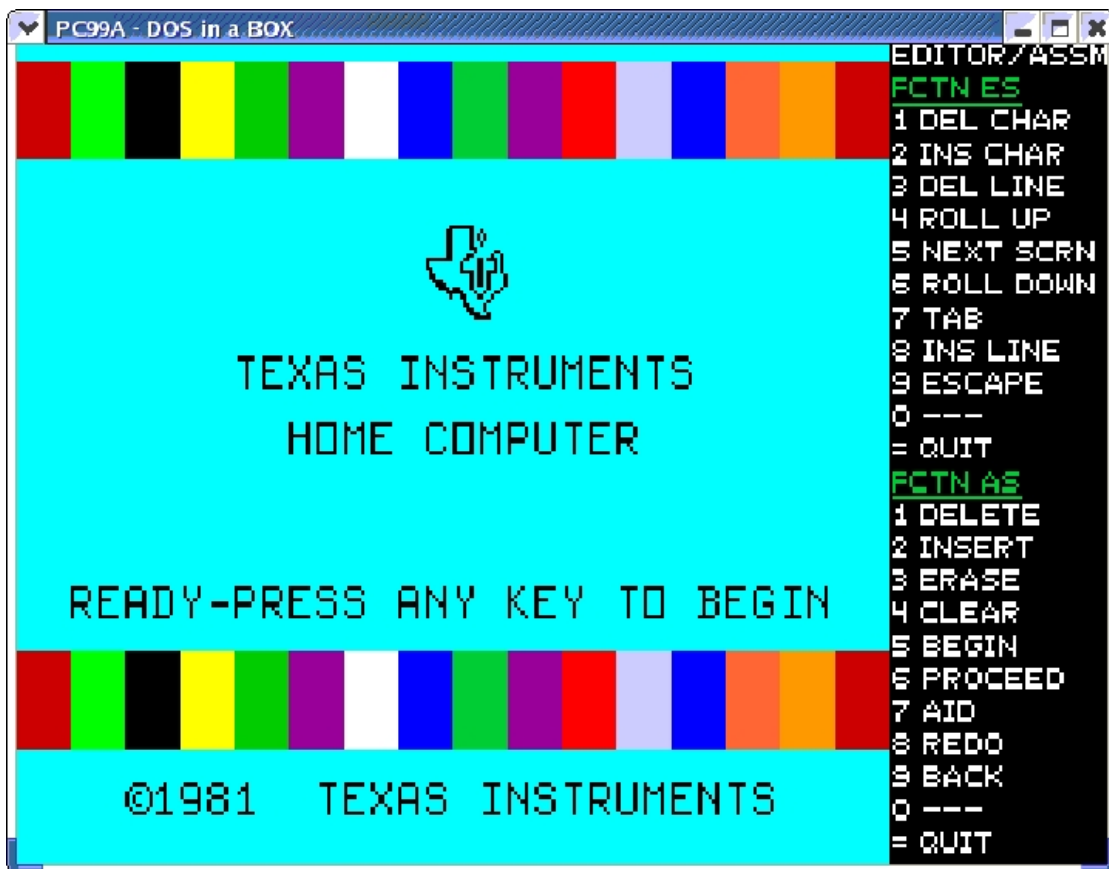
```
more dmesg | grep tt
```

In my case `ttyS0` was available.

16. Now edit `/etc/dosem/dosem.conf`

You will need to edit this file to give access to serial ports and sound.

17. There are two ways to run `dosemu` — from a terminal window like `bsh` by typing `dosemu` or you can run `xdosemu`. This full graphical version is needed by `PC99`.



Note: Print Screen can be done with the Gnome desktop by hitting `Ctrl-PrintScreen`.