

## The Problem and Solution

Kinsim was originally written to run on DOS. Certain newer Windows versions and virtual Windows do not accommodate Kinsim. The solution is to use a DOS emulator. I prefer DOSBox (<http://www.dosbox.com/>). This is the only DOS emulator for which the following instructions have been tested.

## Installing and running Kinsim on WINDOWS

1. Download and install DOSBox following the instructions at <http://www.dosbox.com/> .
2. Download the Kinsim package from: <http://www.biochem.wustl.edu/cflab/kfsim40.exe>.
3. Place this file in the location where you want Kinsim to be installed (e.g. create a folder **C:\kinsim**). Run the kfsim40.exe file which will self-extract all of the Kinsim files into the same folder.
4. Open DOSBox.
5. You should see a screen with a command prompt:  
**Z:\>**

At this point, you will need to MOUNT the drive where you have the Kinsim folder. This looks like:

```
Z:\>mount C C:\kinsim
```

Let's break this down. Basically I am telling the emulator to create a new drive for me called C. This drive corresponds to the folder C:\kinsim.

6. This should give you the output:  
**Drive C mounted as local directory C:\kinsim**

Once the drive is mounted, simply type at the command prompt:

```
Z:\>C:
```

This will change your prompt to C:\.

7. Now type kinsim40.exe to start Kinsim or fitsim40.exe to start Fitsim. To change to full screen and back hit alt+Enter.

Refer to [http://www.dosbox.com/wiki/Basic\\_Setup\\_and\\_Installation\\_of\\_DosBox](http://www.dosbox.com/wiki/Basic_Setup_and_Installation_of_DosBox) for any additional help and some useful figures. Refer to the last page of this manual for another useful tip on automating the drive mounting when you start DOSBox.

## Installing and Running Kinsim on Mac

1. Download and install DOSBox following the instructions at <http://www.dosbox.com/> .
2. Download the Kinsim package from: <http://www.biochem.wustl.edu/cflab/kfsim40.exe>.
3. Place this file in the location where you want Kinsim to be installed (e.g. create a folder in your home directory ~/kinsim). Run the kfsim40.exe file which will self-extract all of the Kinsim files into the same folder.
4. Open DOSBox.
5. You should see a screen with a command prompt:

**Z:\>**

At this point, you will need to MOUNT the drive where you have the Kinsim folder. This looks like:

**Z:\>mount C ~/kinsim**

Let's break this down. Basically I am telling the emulator to create a new drive for me called C. This drive corresponds to the folder ~/kinsim.

6. This should give you the output:  
**Drive C mounted as local directory ~/kinsim**

Once the drive is mounted, simply type at the command prompt:

**Z:\>C:**

This will change your prompt to C:\.

7. Now type kinsim40.exe to start Kinsim or fitsim40.exe to start Fitsim. To change to full screen and back hit alt+Enter.

Refer to [http://www.dosbox.com/wiki/Basic\\_Setup\\_and\\_Installation\\_of\\_DosBox](http://www.dosbox.com/wiki/Basic_Setup_and_Installation_of_DosBox) for any additional help and some useful figures.

## **Automating the Drive Mounting**

When DOSBox starts, it runs a file called AUTOEXEC.BAT. A portion of this file is located in another file in the directory where DOSBox is installed (in Windows this directory is likely in C:\Program Files\DOSBox-0.72). This file is called **dosbox.conf**. It is a configuration file for DOSBox. Open this file in a basic text editor such as Notepad.

At the bottom of the file you will see:

**[autoexec]**

**# Lines in this section will be run at startup.**

By simply adding a line after this and saving the file, the mounting can be done automatically. My file looks like:

**[autoexec]**

**# Lines in this section will be run at startup.**

**mount c c:\kinsim**

**c:**

A similar change can be made for Macs using the corresponding commands found on the previous page. Next time you run DOSBox, the command prompt should read:

**C:\**

and you can simply type kinsim40.exe or fitsim40.exe to run the respective programs.