

Instructions to run Modall software in Windows XP

If you try to open MS-DOS in Windows XP Professional or Home Edition, the most probable is that you will get an error message. MS-DOS can not be run in Windows XP unless you partition the disk and install them separately. However, Windows XP has an emulator that works just like MS-DOS but you can not run Modall if you don't make some modifications first.

1. Where do you find the emulator in Windows XP? The emulator can be found in two ways:
 - a) Go to **Start** → **All Programs** → **Accessories** → select **Command Prompt**
 - b) If the emulator is not in the Start Menu go to **My Computer** → **C:** → **WINDOWS** → **system32** → look for the file **cmd- application file**.
2. How to run Modall in Command Prompt? As mention before, some modifications have to be done so that Modall software will run properly in the Command Prompt.
 - a) Go to **My Computer** → **C:** → **WINDOWS** → **system32** → look for the file **config.nt**
 - b) Open config.nt using notepad and make sure that the line highlighted by the red square box in the figure below looks exactly the same.
 - c) Save and close the config.nt file

Now you are ready to run Modall in Command Prompt. We recommend creating a modeling data folder under C:\ and save there all Modall files.

All the steps mention above are for Windows XP Professional, if you have Windows XP Home Edition follow these steps:

1. Go to Start → **Help and Support** → type **ansi.sys** in the search box → click on **Microsoft Knowledge base button** on the bottom of the left side of the window → select **Article 1. How to enable ansi.sys in a command window**, the article will tell you what you need to do so you can use Command Prompt properly.

Config.nt

```
REM Windows MS-DOS Startup File
REM
REM CONFIG.SYS vs CONFIG.NT
REM CONFIG.SYS is not used to initialize the MS-DOS environment.
REM CONFIG.NT is used to initialize the MS-DOS environment unless a
REM different startup file is specified in an application's PIF.
REM
REM ECHOCONFIG
REM By default, no information is displayed when the MS-DOS environment
REM is initialized. To display CONFIG.NT/AUTOEXEC.NT information, add
REM the command echoconfig to CONFIG.NT or other startup file.
REM
REM NTCMDPROMPT
REM When you return to the command prompt from a TSR or while running an
REM MS-DOS-based application, Windows runs COMMAND.COM. This allows the
REM TSR to remain active. To run CMD.EXE, the Windows command prompt,
REM rather than COMMAND.COM, add the command ntcmdprompt to CONFIG.NT or
REM other startup file.
REM
REM DOSONLY
REM By default, you can start any type of application when running
REM COMMAND.COM. If you start an application other than an MS-DOS-based
REM application, any running TSR may be disrupted. To ensure that only
REM MS-DOS-based applications can be started, add the command dosonly to
REM CONFIG.NT or other startup file.
REM
REM EMM
REM You can use EMM command line to configure EMM(Expanded Memory Manager).
REM The syntax is:
REM
REM EMM = [A=AltRegSets] [B=BaseSegment] [RAM]
REM
REM     AltRegSets
REM         specifies the total Alternative Mapping Register Sets you
REM         want the system to support. 1 <= AltRegSets <= 255. The
REM         default value is 8.
REM
REM     BaseSegment
REM         specifies the starting segment address in the Dos conventional
REM         memory you want the system to allocate for EMM page frames.
REM         The value must be given in Hexadecimal.
REM         0x1000 <= BaseSegment <= 0x4000. The value is rounded down to
REM         16KB boundary. The default value is 0x4000
REM
REM     RAM
REM         specifies that the system should only allocate 64kb address
REM         space from the Upper Memory Block(UMB) area for EMM page frames
REM         and leave the rests(if available) to be used by DOS to support
REM         loadhigh and devicehigh commands. The system, by default, would
REM         allocate all possible and available UMB for page frames.
REM
REM     The EMM size is determined by pif file(either the one associated
REM     with your application or _default.pif). If the size from PIF file
REM     is zero, EMM will be disabled and the EMM line will be ignored.
REM
REM dos=high, umb
REM device=C:\WINDOWS\system32\ansi.sys
REM files=40
```