# VESA Display Power Management (DPMS)

If you have a <u>VESA</u> <u>DPMS</u>-compliant monitor, you can use the DPMS screen saver to provide auto-shutdown of your monitor, in three separate stages, to reduce power consumption.   Auto-shutdown only occurs after definable periods of keyboard and mouse inactivity.   *Moving* the mouse or *pressing* a key on the keyboard (even the Ctrl, Alt, or Shift keys) turns the monitor back on.

The three shutdown stages are Standby, Suspend, and Off.   Each monitor manufacturer defines the meaning of these states for its monitors.   For example, a flat panel display might turn off its backlight in Standby state.   However, in all cases it will be true that power consumption decreases in each state, from normal 'on', through Standby, Suspend, and finally the Off state, where power consumption is minimal.   See your monitor's manual for full details.

# Screen Saver Options

### DPMS disabled (blank screen)
### DPMS enabled (STAND-BY state)
   This pair of radio buttons selects what will happen when the screen saver is first triggered. Selecting "DPMS disabled" is equivalent to using the <u>default screen saver</u>. Selecting "DPMS enabled" will put your monitor into the Standby state, and (if these options are selected) proceed into the Suspend and Off states if no further keyboard or mouse activity is detected.

   If   you select "DPMS enabled", and either your <u>display driver</u> or your <u>graphics card</u> does not support DPMS, the screen saver will detect this and act as if you had selected "DPMS disabled".

**NOTE:** On monitors which do not support DPMS, attempting to switch into any of the power-saving states may cause permanent damage, and will not reduce power consumption. If your monitor is not DPMS-compliant, either select "DPMS disabled" or use a different screen saver.

### Enter SUSPEND state after an additional *xx* minutes
   If this option is selected, and no further mouse or keyboard activity is detected for *xx* minutes (range 1 to 99), the monitor will be switched into Suspend state. The delay specified here begins when the screen saver is triggered, NOT when mouse or keyboard activity stops. If this option is not selected, the monitor will either switch into Off without first switching into Suspend, or remain in Standby state until mouse or keyboard activity is detected, depending on whether or not the next option is selected.

### Enter OFF state after an additional *yy* minutes
   If this option is selected, and no further mouse or keyboard activity is detected for *yy* minutes (range 1 to 99), the monitor will be switched into Off state. The delay specified here begins when the monitor switches into Suspend (or when the screen saver is triggered, if the previous option is not selected), NOT when mouse or keyboard activity stops. If this option is not selected, the monitor will remain in either Suspend or Standby state until mouse or keyboard activity is detected, depending on whether or not the previous option is selected.

Default Screen Saver
Screen saver which paints the screen black instead of moving a picture around the screen.
Supplied with Windows NT, and listed in the Control Panel Desktop applet under "Screen
Savers" as "Default Screen Saver".

Display Driver
Hardware-specific program that translates Windows NT mode switch and drawing commands into a form that the graphics card can understand.

DPMS
Display Power Management Signalling - an industry standard for reduction of energy usage by video monitors.

Graphics Card
The card (or 'board') within your computer that controls your monitor.   Different cards have different capabilities.   Graphics accelerators specialize in speeding up graphical environments, such as Windows.

VESA
Video Electronics Standards Association - developers of the DPMS standard.