

# LCD Monitor Image Retention

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- *From:* "Jerry G." <jerryg50@xxxxxxxxxxxx>
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This question has come up from time to time about LCD monitor and TV technology.

LCD displays cannot be burned in like with CRT and Plasma type displays. LCD displays can however, retain a ghost effect of the images that have been affixed on to the display for a long period of time. The effect of the image retention is from an accumulation of charge retained by the pixels.

If the monitor is left running with a screen saver, or some type of moving image, after a period of time it should clear itself.

There are a number of methods of clearing the retention problems. Using a screen saver will prevent the retention effect, and will allow it to clear itself. Having the monitor sit with a blank screen, but be powered up is another way that is said to clear the retention effect. Leaving the monitor powered off for a long period of time, may also clear the retention effect.

LCD retention can take a number of weeks or a few months to be cleared. This type of effect is not permanent.

With CRT and Plasma screens, image retention is actually a screen burn. This is where the phosphors have been burnt. There is no possible fix other than replacing the display device. The cost of this type of repair is usually too expensive in relation to the replacement cost of the monitor.

A Reference About LCD Retention:

[http://service.dell.com/dell/kb/tech\\_support/view\\_article/1,,6073+5818+5828+19153.00.html](http://service.dell.com/dell/kb/tech_support/view_article/1,,6073+5818+5828+19153.00.html)

Some Myths And Facts:

<http://hometheater.consumerelectronicsnet.com/articles/viewarticle.jsp?id=25018>

Jerry G.

