Acer LCD Monitor
Driver Installation Guide

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2   Introduction

Welcome to your Acer LCD Monitor Driver software. It allows you to use your Acer LCD Monitor to connect extra monitors to your desktop PC or laptop's USB port.

The connected monitors can be configured to either mirror your primary screen, or extend the Windows desktop allowing visibility of more applications at the same time.

The Acer LCD Monitor driver used to control the extra screens uses little computer resource and offers a vast array of screen resolutions and colour depths. This ensures that there is little difference in performance between a directly connected screen and a screen connected through the Acer LCD Monitor Driver.

3   Installation Guide

3.1   PC requirements

The Acer LCD Monitor Driver can be installed on any desktop or laptop system running one of the following Operating Systems:

- Windows Vista
- Windows XP Home or Professional with Service Pack 2
- Windows 2000 with Service Pack 4

64 bit operating systems are not supported by this software release.

The minimum hardware requirements for the PC are:
- PC with 1.2 GHz or higher processor clock speed, with an Intel Core 2 Duo or equivalent power CPU.
- 512 megabytes (MB) of RAM for a single attached screen, 1 gigabyte (GB) for two attached screens, more for additional attached screens.
- At least one USB 2.0 port.
- 30MB of available disk space.
- Super VGA (800 x 600) or higher-resolution video adapter and monitor.
- CD-ROM or DVD drive if installing from a CD.

3.2 Installing the Acer LCD Monitor Driver software on Windows Vista

3.2.1 Connect the USB monitor

Connect the USB cable (For USB Display, USB Display w/USB Hub Models)
a. Make sure both the monitor and computer are switched off.
b. Connect the USB cable to Monitor side
Connect one end of the USB cable to the back of the monitor and the other end to the computer USB port
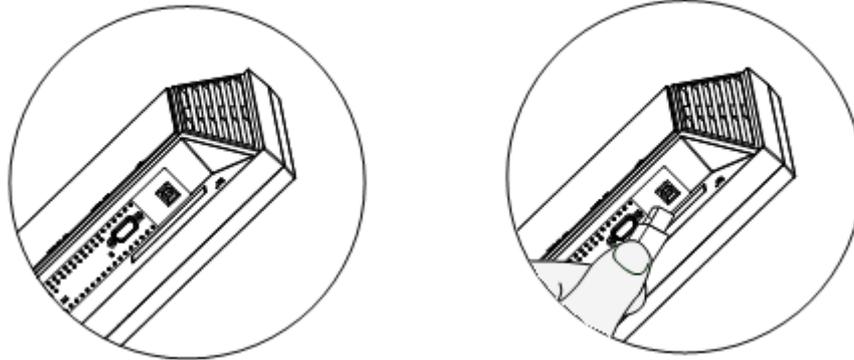
Connect the USB cable to monitor USB (type B) port
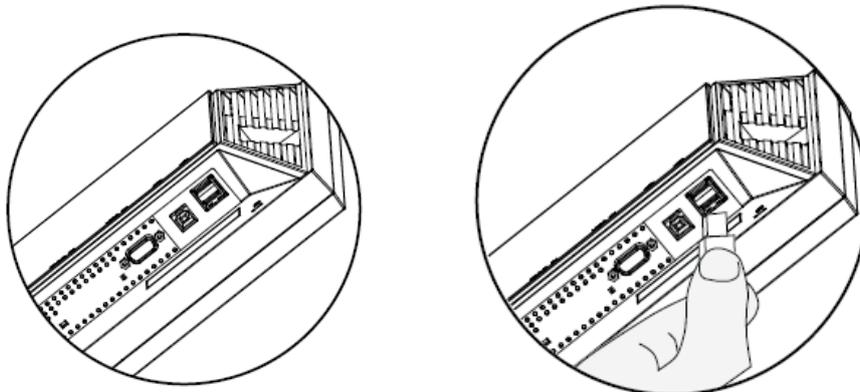
Connect the USB cable to monitor USB (type B) port (for with USB Hub model)

USB connector type B (to Device)   USB connector type A (To PC)

3.2.2 Hardware first install

If your Acer LCD Monitor Driver is on an installation CD, insert it now. If your software was downloaded, unzip it to a convenient folder.

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Attach the Acer LCD Monitor to the PC.

When the 'Found New Hardware' wizard starts, click through it as follows:

Select 'Locate and install driver software (recommended)'.

Select 'Next' if available, otherwise select 'I don't have the disc. Show me other options.'

If the software is available on CD, selecting 'Next' will begin the driver installation. If this is not available, you will see the following screen after selecting 'I don't have the disc. Show me other options.'
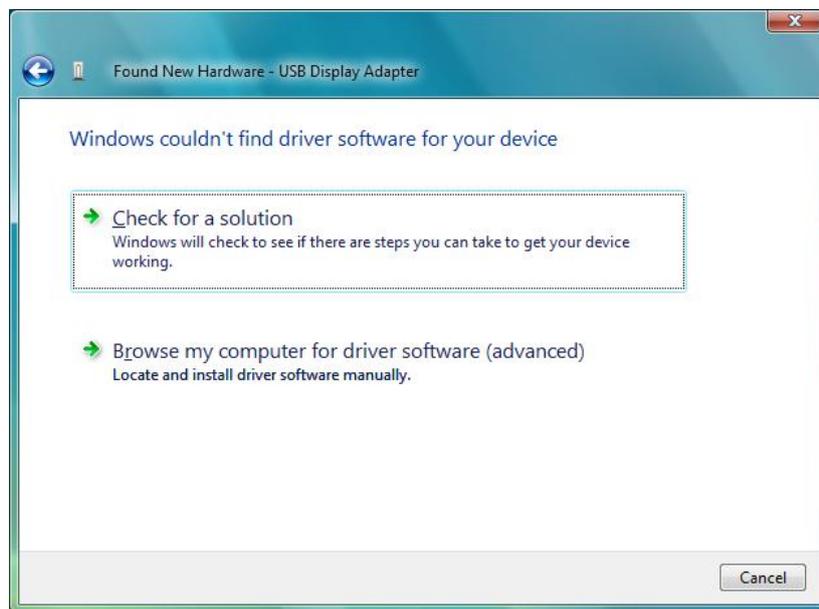
Select 'Browse my computer for driver software (advanced)'.
Point the wizard at the software.

Once installation is complete, you must restart the computer before your Acer LCD Monitor is useable.

3.2.3   Software first install

With this method, install the drivers before connecting the Acer LCD Monitor to the computer. This is done as follows: Navigate to the Acer LCD Monitor Driver install directory on your computer or CD and double click "Setup.exe" to start installing the drivers for the Acer LCD Monitor. Once this is complete, restart the PC when requested and then plug in the Acer LCD Monitor.

3.3 Installing the Acer LCD Monitor Driver software on Windows XP

The details that follow are for Windows XP – there are differences in some terminology and user interfaces on Windows 2000, but the basic steps are the same.

3.3.1 Hardware first install

If your Acer LCD Monitor Driver is on an installation CD, insert it now. If your software was downloaded, unzip it to a convenient folder.
Attach the Acer LCD Monitor to the computer.
When the 'Found New Hardware' wizard starts, click through it as follows:

Select 'No, not this time'.

Select 'Install from a list or specific location (Advanced)'.
Point the wizard at the software.

3.3.2   Software first install

With this method, install the drivers before connecting the Acer LCD Monitor to the computer. This is done as follows:
Navigate to the Acer LCD Monitor Driver install directory on your computer or CD and double click "Setup.exe" to start installing the drivers for the Acer LCD Monitor.

Once the drivers are installed, attach the Acer LCD Monitor to the computer. The computer will automatically detect the new USB device and start the 'Found New Hardware' wizard. Click through this as follows:

Select 'No, not this time'.
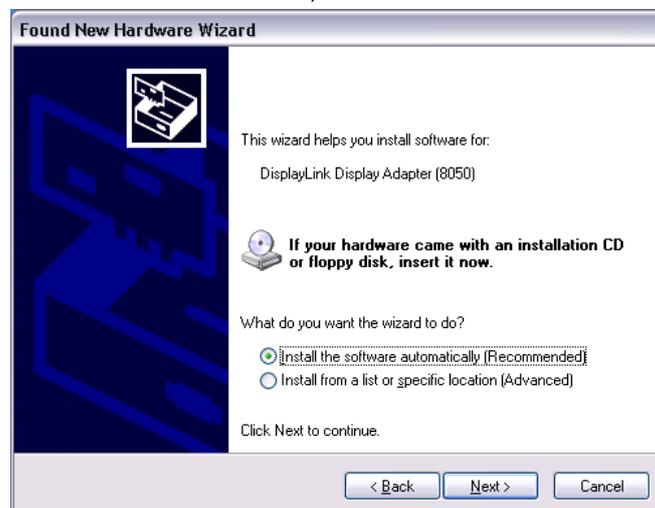
Select 'Install the software automatically (Recommended)'.

3.4 Uninstalling the Acer LCD Monitor Driver software

The Acer LCD Monitor Driver software can be removed from the "Programs and Features" utility under the Windows Vista control panel. (On Windows XP this is called "Add or Remove Programs".)

- Open "Programs and Features".
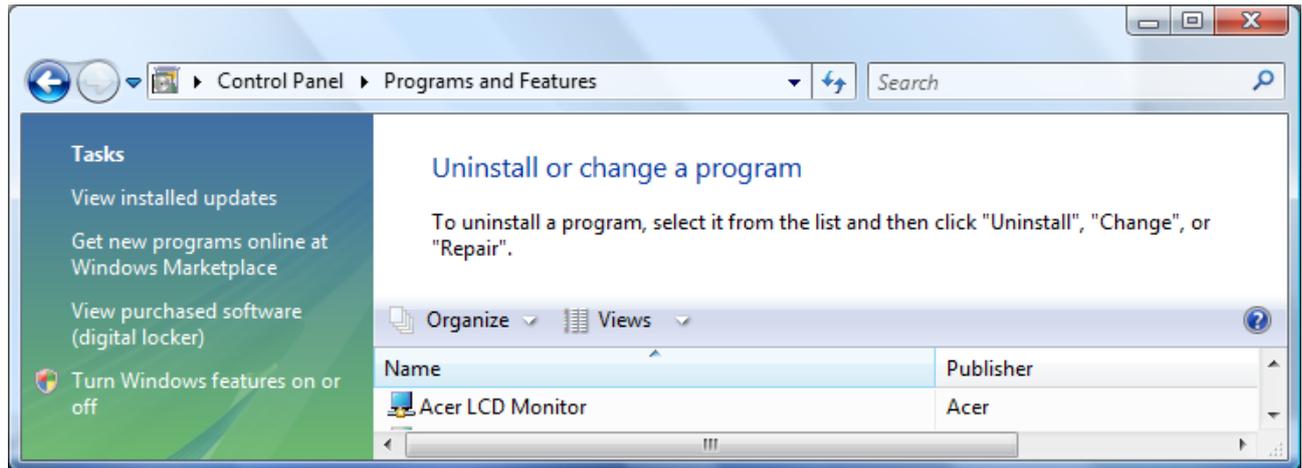
- Find the "Acer LCD Monitor Driver" entry and click on "Uninstall".

- Click "Yes" to confirm that you want to remove it.

The uninstaller will then automatically uninstall the software.

4   Using the Software

4.1   Controlling the display – The Acer LCD Monitor Icon Application

The behaviour of the Acer LCD Monitor is configured through the Acer LCD Monitor Icon application, where present.

When devices are attached, an icon appears in the notification area. Clicking on this gives a menu to control any attached devices:
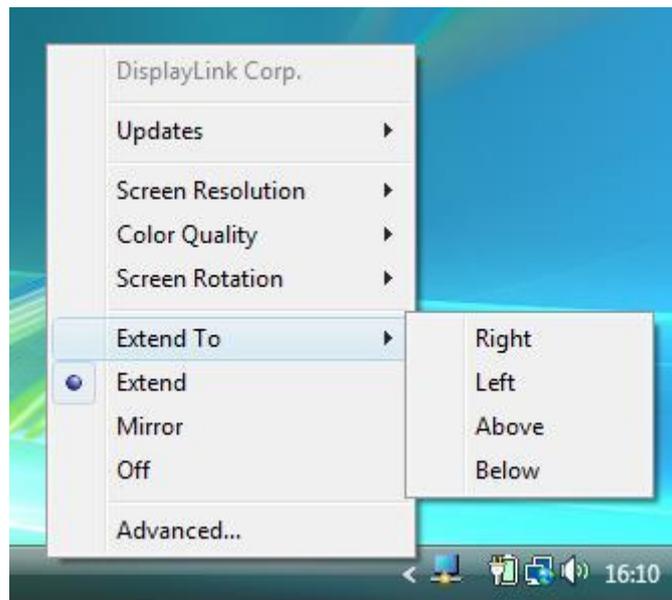
4.1.1   Setting the display into extend mode

In extend mode, the monitor attached to the Acer LCD Monitor forms part of the extended Windows desktop. The extra desktop area is a great productivity aid, allowing more applications or documents to be visible at a time.

To set the display into this mode, select 'Extend' in the Acer LCD Monitor Icon application menu. The device will now be extending in the direction it was the last time the display was in this mode. For more control, navigating to the 'Extend To' submenu and selecting one of the options will not only put the device into extend mode, but will also place it to the Left/Right/Above/Below the main (primary) monitor.

4.1.2   Setting the display into mirror mode

In mirror mode, the monitor attached to the Acer LCD Monitor simply copies what is on the primary display. To set the display into this mode, simply select 'Mirror' from the Acer LCD Monitor Icon application menu.

The resolution, colour depth and refresh rate of the primary screen are replicated on the monitor connected to the Acer LCD Monitor.

If the monitor connected to the Acer LCD Monitor supports a lower resolution than the primary display, then a part of the screen is shown on the mirrored display. As the mouse is moved around the screen, the Acer LCD Monitor display will pan to the current area.

4.1.3 Additional Acer LCD Monitor Driver application features

- Updates – Configure automatic updates. See the following page for more details.
- Resolution – Change the resolution of an extending display.
- Colour Quality – Change the colour depth of the extending display to 16 or 32bit.
- Rotation – Rotate extending and mirroring displays (rotated to 90, 180 or 270 degrees).
- Off – Switch the display off on an adapter.
- Advanced – Open the Windows Display Properties Dialog.

4.2 Controlling the display – Windows Display Properties

Acer LCD Monitor can also be configured from the Windows Display Properties dialog box. To get to this on Windows Vista, right click on the desktop, click on "Personalize" and then select the 'Display Settings' link. The corresponding feature is available in Windows XP by right clicking on the desktop, selecting 'Properties' and then navigating to the 'Settings' tab.
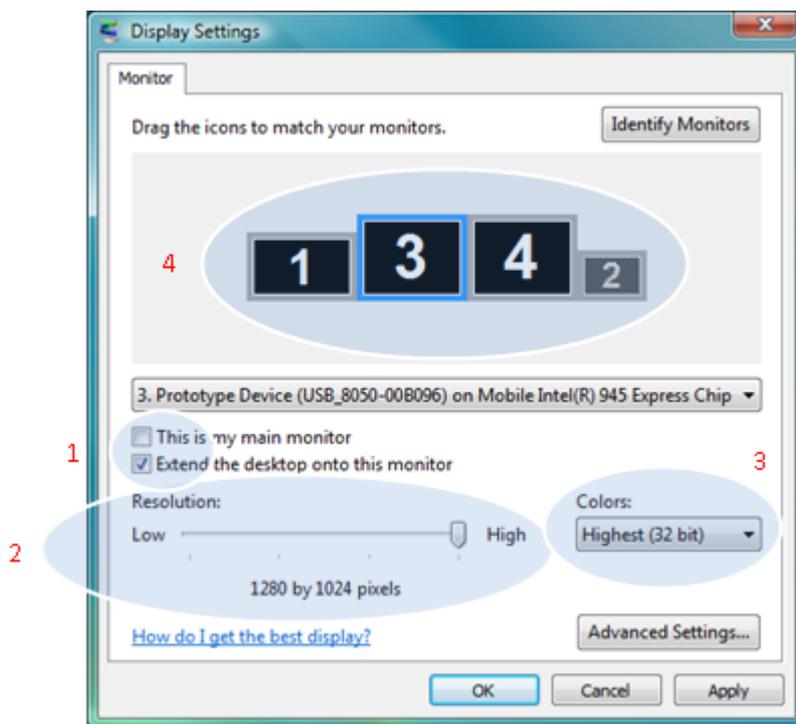
Figure 1

In the monitor drop down box, find the entry for 'Prototype Device (XXX) on ...'. Its mode, resolution, colour quality and position can all be controlled from here.

4.2.1 Setting the display into extend mode

To set the display into this mode, check the box marked 'Extend my Windows desktop onto this monitor' (1 in Figure 1). Arrange screen resolution and colour quality using the appropriate controls (2 and 3), and arrange its position with respect to the other monitors on the extended desktop in using the drag area (4).

For more detailed mode setting, including the refresh rate, click on the 'Advanced Settings' button, then the 'Adapter' tab then on the 'List all modes...' button. All valid combinations of resolution, colour quality and refresh rate are listed. For CRT monitors, it is best to use a high refresh rate so as to avoid discomfort due to flicker. Flat panel monitors do not flicker and a low refresh rate is adequate.

4.2.2   Setting the display into mirror mode

To set the display into mirror mode, simply uncheck the box marked 'Extend the desktop onto this monitor' (1 in Figure 1).

4.2.3   Setting the display as the primary display

To make the Acer LCD Monitor the primary display, check the box marked 'This is my main monitor' (1 in Figure 1). On some PCs and laptops it is necessary to disable the main display (i.e. uncheck the box marked 'Extend the desktop onto this monitor' for the main display) as part of the same settings change. The Acer LCD Monitor stays primary if the PC enters hibernate or suspend mode or is rebooted. If the Acer LCD Monitor is detached, the main display becomes primary again.

It is possible to work conveniently with a laptop by setting its action on lid closed to 'do nothing' then making the Acer LCD Monitor screen primary while disabling the main screen. The laptop lid can then be closed and the laptop used with Acer LCD Monitor screen and with external keyboard and mouse.

4.3   Automatic Updates

Automatic Updates is a product maintenance feature from DisplayLink, available for the first time in this release. The automatic update mechanism ensures that the Acer LCD Monitor has the most up-to-date drivers and software, providing the user with increased performance and stability.
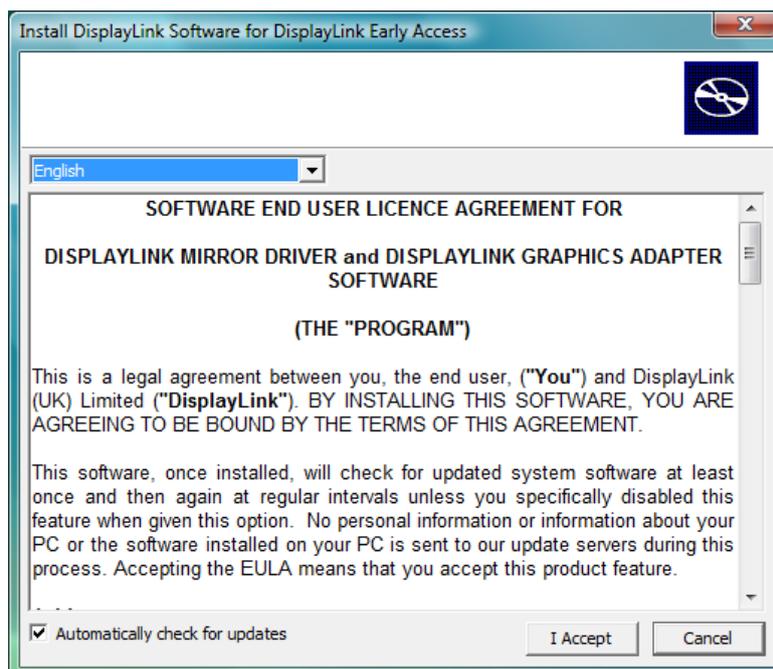
This feature can be removed at install time by un-checking 'Automatically check for updates' on the EULA.

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By default, automatic updates is configured to check for updated software on the plugging in of a Acer LCD Monitor, or the resume or start of your PC, every seven days. Should newer software be available, the Updates Wizard is shown.
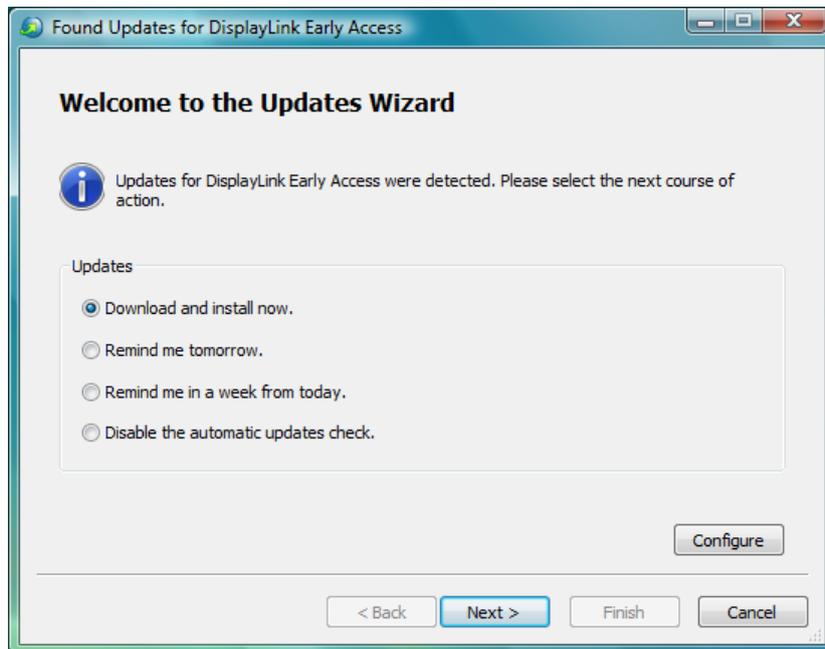
The user is invited to download and install the software immediately, but it is also possible to hide the reminder until a later date, or disable the reminder and future update checks entirely.

If 'Download and install now' is selected, the next screen will show all the available updates. The most recent update will be automatically set to 'Download', whilst others will be skipped.
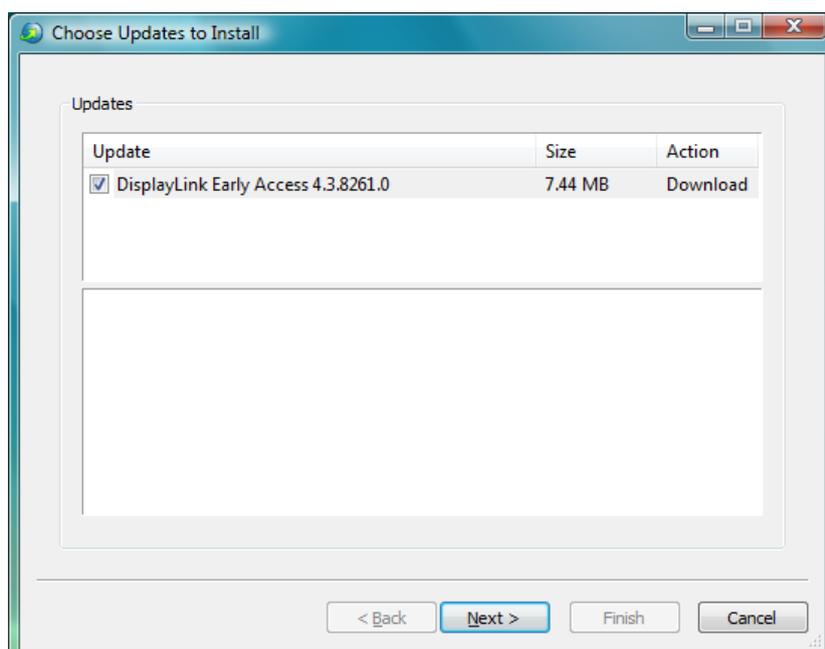
Click 'Next' to download the latest update.

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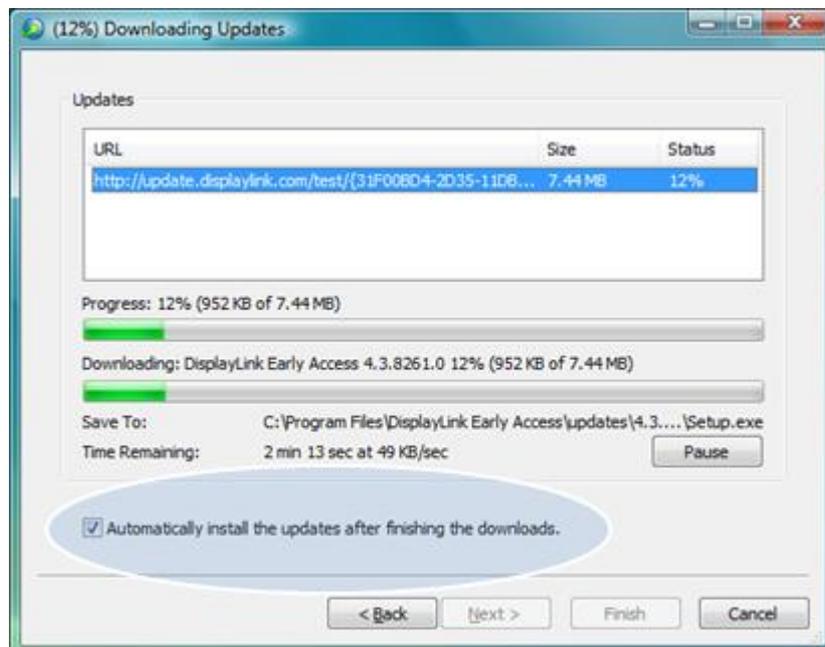
If the highlighted box is checked, then installation of the latest software will begin immediately after the download has finished, otherwise click 'Next' to begin software installation.

It is also possible to check for updates manually at any time. To do this, open the Acer LCD Monitor Icon Application menu, navigate to 'Updates' and click on 'Check Now...'.
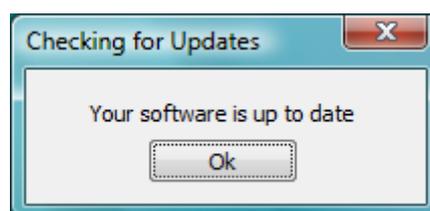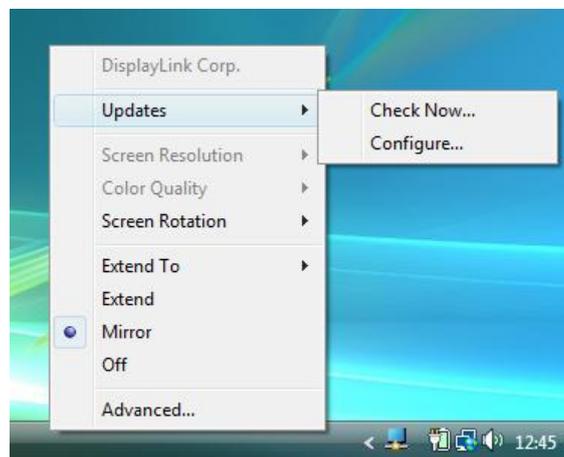
If you have the most recent software, you will be shown the above dialog box. Otherwise you will be directed to the 'Choose updates to install' page.

To configure the check frequency, the updater's action on finding newer software and download folder, open the Acer LCD Monitor Icon Application menu, navigate to 'Updates' and click on 'Configure...'.
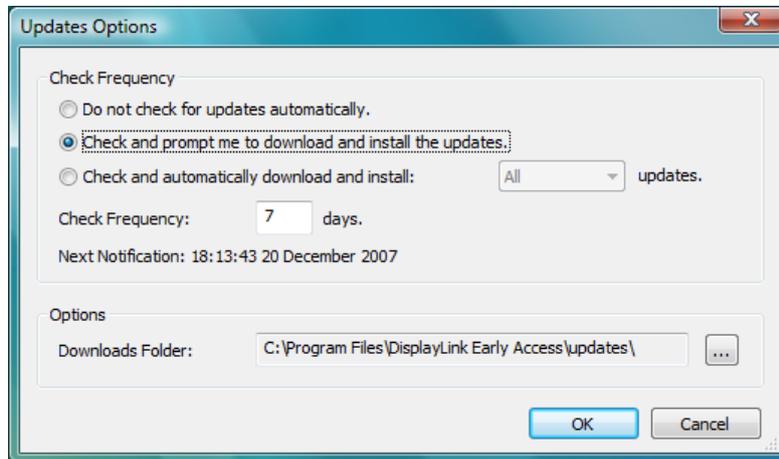
4.4   Media playback

On Vista WDDM Aero and Windows XP (in extend mode), the Acer LCD Monitor can display media files and DVDs using the following media players:

- Windows Media Player 11 (http://www.microsoft.com/windows/windowsmedia/default.mspx)
- WinDVD 8 (www.intervideo.com)
- PowerDVD 7 (www.cyberlink.com)
- RealPlayer 11 (www.real.com)

Video playback is not supported on Vista WDDM Basic and there is only very limited support for video playback on Vista XDDM. There is also only limited support for other video players, and for video in mirror mode on Windows XP.

4.5   Using multiple Acer LCD Monitors

The software supports up to six simultaneously attached screens (dependent on customer package). It is also possible that different sets of screens are being used at different times, for example two in the office and two at home. The software saves each screen's display profile separately. This allows for different physical positioning, or different resolutions, of connected monitors in the office and the home.

4.6   Standby and hibernate, shut down and restart

If the PC that the Acer LCD Monitor is connected to is placed into standby or hibernate mode, the display goes blank. When the PC is again powered up (and unlocked if necessary) the connected monitor returns to the same mode as it was before stand by or hibernation.
If the PC is shut down, restarted and logged in, again the connected display returns to the same mode as it was before shutdown.

4.7   Acer LCD Monitor with multiple users

Acer LCD Monitor work with multiple users on the PC. The mode settings are saved for each user so each can use their own desktop configuration.

4.8   Disconnecting the Acer LCD Monitor

If the Acer LCD Monitor is powered off or the USB cable is removed from the computer, the display blanks. All windows and icons move to the primary screen.

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On reconnection or powering up of the Acer LCD Monitor, the display returns to the same mode as it was before disconnection. However, windows and icons that were previously on the screen will not be moved back.

4.9   Supported screen modes

There are three components that make up the screen mode:
- Resolution: In common usage, this refers to the number of pixels displayed on screen horizontally and vertically.
- Color Quality: This defines the number of different colors that can be shown on the screen at the same time.
- Refresh rate: Measures the speed that the entire screen is rescanned. Higher frequencies reduce flicker.

Some monitors advertise the supported modes through the VGA or DVI connector. If this is the case, the Acer LCD Monitor identifies the supported modes from the monitor. If the monitor does not advertise the supported modes, the Acer LCD Monitor software chooses a set of common screen modes for the monitor.

4.10   Error Messages

Acer LCD Monitor Driver occasionally displays user messages in a bubble in the notification area. The table below lists the user messages and their description.

Message	Description
Insufficient system resources exist to complete the requested service	This can occur when entering extend mode with low system resources. The PC does not have enough memory to start an extend display. Close down any unused applications. The situation may also be improved by rebooting the PC.
The requested allocation size was too large	This can occur if trying to mirror a primary display larger than 4 MegaPixels. These are modes above 2300x1700 (4:3) or 2600x1500 (16:9).

4.11   Frequently Asked Questions

Please see the DisplayLink website for Frequently Asked Questions.