



**Dual-Screen Support for the
ELSA GLoria-L and GLoria-XL
Graphics Controllers**

TechNote

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Configuring Your System for Dual-Screen Operation

This document provides the instructions to configure a Compaq Professional Workstation as a dual-screen desktop. A dual-screen desktop includes the display areas of more than one monitor. You can use a dual-screen desktop only if you have more than one GLoria-L or GLoria-XL graphics controller installed in your system.



Any surface or area of the equipment marked with these symbols indicates the presence of electrical shock hazards. Enclosed area contains no operator serviceable parts.

WARNING: To reduce risk of injury from electrical shock hazards, do not open this enclosure.



Any surface or area of the equipment marked with these symbols indicates the presence of a hot surface or hot component. If this surface is contacted, the potential for injury exists.

WARNING: To reduce the risk of injury from a hot component, allow the surface to cool before touching.



Power Supplies or Systems marked with these symbols indicate the equipment is supplied by multiple sources of power.



WARNING: To reduce the risk of injury from electrical shock, remove all power cords to completely disconnect power from the system.

IMPORTANT: Before installing an additional GLoria-L or GLoria-XL graphics controller, be sure that the appropriate driver is installed for Microsoft Windows NT for Workstations, and that the primary GLoria graphics controller is installed in a PCI slot. Installing the driver before installing an additional controller and monitor makes configuring easier.

2 Configuring Your System for Dual-screen Operation

NOTE: In a dual-screen configuration, both graphics controllers must run with the same resolution, pixel depth (number of colors), and video memory. Only one graphics controller should be VGA-enabled through the on-board switch.

1. Locate a blue switch block approximately two inches from the connector block on the second GLoria graphics controller. The switch block is set to 1 by default. Set this switch to ON (ON=VGA disable).
 2. Turn off the computer and all peripheral devices.
 3. Disconnect the power cord from the grounded AC outlet. Disconnect cables for all peripheral devices.
 4. Remove the cover of your computer and locate an unused PCI slot.
 5. Install the additional GLoria graphics controller securely into a PCI slot.
 6. Replace the cover of your workstation, plug the power cord back into the grounded AC outlet, and reconnect the cables for all peripheral devices.
 7. Connect the additional monitor cable to the 15-pin monitor connector of the newly installed GLoria graphics controller.
 8. Turn on the power to the additional monitor.
 9. Using the monitor attached to the VGA-enabled board as your output screen, turn on your computer and run Computer Setup for Workstations by pressing the **F10** key when the cursor blinks in the upper-right corner of the screen.
 10. Click on *Integrated and Add-in Devices*. (Under *PCI Boards*, the first board should be listed as a VGA-compatible controller.)
 11. Click on *PCI Boards*.
 12. Under *Installed PCI Boards*, select *VGA-compatible controller*.
 13. Click *View or Edit*. (Under *Resources*, Logical Device 0 is enabled and the associated resources are listed. Logical Devices 1 and 2 are disabled.)
 14. Select *Logical Device 1*, then click *Change*.
 15. Select *Resources Enabled*, then click *OK*.
 16. Select *Logical Device 2*, then click *Change*.
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17. Select *Resources Enabled*, then click *OK*.
18. Click *OK* to close the List PCI Resources dialog box.
19. Click *Close* to close the Computer Setup: Integrated and Add-in Devices dialog box.
20. From the Computer Setup FILE menu, select *Save Changes*, then *Exit*.
21. Click *OK* to restart your computer.

NOTE: There is no notice that the dual-screen capability is enabled. You can see if the dual-screen capability is enabled in the extended resolutions in the Display utility in Control Panel.

Changing Resolutions

Panoramic viewing is the configuration selected by the GLoria graphics controller. If the cursor is moved from the right side of the primary monitor, it will appear on the left side of the additional monitor.

To change the dual-screen resolution, double-click on the *Display* icon in Control Panel and change the display resolution to any of the following resolutions.

NOTE: You must restart your computer after each selection to enable the change to take effect.

- 1280 X 480
 - 1600 X 600
 - 2048 X 768
 - 2304 X 864
 - 2560 X 1024
 - 3072 X 1152
 - 3200 X 1000
 - 3200 X 1200
 - 3200 X 1280
 - 3840 X 1080
 - 3840 X 1200
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Getting Help

If you have a problem and have exhausted the information in this document, you can get further information and other help in the following locations.

For the name of your nearest Compaq Authorized Reseller:

In the United States, call 1-800-345-1518

In Canada, call 1-800-263-5868

For Compaq technical support:

In the United States and Canada, call 1-800-386-2172

For Compaq technical support phone numbers outside the United States and Canada, visit the Compaq website.