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You can read the recommendations in the user guide, the technical guide or the installation guide for COMPAQ FP1707. You'll find the answers to all your questions on the COMPAQ FP1707 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual COMPAQ FP1707
User guide COMPAQ FP1707
Operating instructions COMPAQ FP1707
Instructions for use COMPAQ FP1707
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User's Guide

vp15 LCD Monitor
vp17 LCD Monitor
vp19 LCD Monitor
FP1707 LCD Monitor
WF1907 LCD Monitor
w1707 LCD Monitor
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w2007 LCD Monitor
w2207 LCD Monitor
w2216 LCD Monitor
w2408 LCD Monitor



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Manual abstract:

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Bluetooth is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. HP supports lawful use of technology and does not endorse or encourage the use of its products for purposes other than those permitted by copyright law. The information in this document is subject to change without notice. Notational Conventions The following section describes notational conventions used in this document. Notes, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon.

These blocks are notes, cautions, and warnings, and they are used as follows: ⚠ WARNING: Indicates that failure to follow directions could result in bodily harm or loss of life. ⚠ CAUTION: Indicates that failure to follow directions could result in damage to equipment or loss of information. NOTE: Indicates additional information. User's Guide iii iv User's Guide Contents Notational Conventions. .

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Never push objects of any kind into cabinet slots or other openings. Unplug the monitor from the power outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Do not drop the monitor or place it on an unstable surface. When removing the monitor base, you must lay the monitor face down on a soft area to prevent it from getting scratched, defaced, or broken. Cleaning the Monitor The monitor is a high-quality optical device that requires special care when cleaning. To clean the monitor, follow these steps: 1. Turn off the computer and the monitor. 2. Unplug your monitor from the power outlet before cleaning.

CAUTION: Do any monitor cabinet. \AA These chemicalsnot use benzene, thinner, ammonia, orliquidvolatile substance to clean theuse waterscreen or an LCD may damage the monitor. Do not use or aerosol cleaners. Never to clean screen. 3.

Wipe the screen with a dry, soft, clean cloth. If the screen requires additional cleaning, use an antistatic screen cleaner. 4. Dust the monitor housing. Use a damp cloth to clean the cabinet.

If the cabinet requires additional cleaning, use a clean cloth dampened with isopropyl alcohol. 5. Plug in the monitor. 6. Turn on the monitor and the computer. 22 User's Guide 3 Setting Up the Monitor Unpacking the Monitor 1. Unpack the monitor. Make sure all contents are included. Store the packing box. 2.

Turn off the computer and other attached devices. 3. Determine whether the monitor will be desktop mounted or wall-mounted. See "Installing the Monitor."

4. Prepare a flat area to assemble the monitor. You may need a flat, soft, protected area for placing the monitor screen-down while preparing it for installation. 5. You need a Phillips screwdriver for preparing the monitor for wall-mounting. You may need a straight-slot screwdriver to secure some cables.

Installing the Monitor You can install the monitor on a desktop or wall-mount it. Place the monitor in a convenient, well-ventilated location near your computer. If the monitor will be installed on a: Desktop or table, see "Installing on a Desktop." Wall, swing arm, or other mounting fixture, see "Wall-Mounting the Monitor (Mounting Fixture not Supplied)." Connect the monitor cables after you have installed the monitor.

Installing on a Desktop Follow the instructions for your monitor type. User's Guide 31 Setting Up the Monitor Unfolding the double-hinged monitor Do not \AA

WARNING: injury or place the double-hinged monitor face down for folding. The base hinge can spring up and cause serious damage. 1. With the monitor still in its flat, folded state, set it screen-side up on a flat surface.

2. Rotate the screen to the horizontal position (in the figure, the straight arrow is your position in front of the monitor). 3. Holding the base of the monitor, lift up the panel at its top without touching or putting pressure on the screen (3). 4. Remove the shipping strap (do not cut it) (4). 5. Put the shipping strap in a safe place, in case you need it to ship the monitor. 6. Lift and lower the base hinge for proper viewing.

32 User's Guide Setting Up the Monitor Assembling the cantilever base **CAUTION:** *The screen is fragile. Avoid touching or applying pressure to the LCD screen; doing so can cause damage. 1. Set the monitor screen down on a flat, soft, protected surface. 2. Align the neck with the monitor base. 3. Slide the base until it snaps in place. Make sure the base is securely locked in place. Attaching the cantilever base 4.*

Lift the monitor to an upright position and place on a flat, stable surface. Assembling the column base 1. Set the monitor base on a flat, stable surface. 2. Lift the monitor, and align the pedestal with the base.

3. Lower the monitor until the base snaps in place. Make sure the base is securely locked. Attaching the column base User's Guide 33 Setting Up the Monitor Wall-Mounting the Monitor (Mounting Fixture not Supplied) Before you mount the monitor on a wall, a swing arm, or other mounting fixture, you must remove the monitor base and the pedestal. You will need a Phillips screwdriver.

Read the following warning and caution statements before beginning the procedure. personal injury or of damage to the wall-mounting **WARNING:** *To reduce the risk of secured before attaching the monitor.equipment, check that thesupplied with the fixture is adequately installed and Refer to the instructions wall-mounting fixture and check that it is capable of supporting the monitor.*



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Preparing the double-hinged monitor for wall-mounting Do not **WARNING: injury or place the double-hinged monitor face down for folding. The base hinge can spring up and cause serious damage.** 1. Disconnect the power cable and any other cables from the monitor. 2. Carefully place the monitor face down on a flat, soft surface. This might entail elongating the hinge and tilting the monitor back to ensure the monitor is flat.

3. With your fingertips, snap off the VESA cover from the back of the monitor. 4. Remove all four screws from the VESA plate. 5. Save the removed items (cover, screws, and base) for future use. 6. Follow the instructions included with the mounting fixture to ensure that the monitor is safely attached. The four-threaded mounting holes that are on the back of the panel are compliant with the VESA standard for mounting flat-panel monitors. The 15-inch monitor uses the 75 mm spacing standard, while the other models use the 100 mm spacing standard.

Use the four holes to attach a swing arm or other mounting fixture. 34 User's Guide Setting Up the Monitor Preparing the cantilever-base monitor for wall-mounting 1. Disconnect the power cable and any other cables from the monitor. 2. Remove the monitor base.

Refer to "Removing the Monitor Base." Keep the monitor panel screen down on a flat, soft area. 3. After the base is removed, remove the rubber plug on the neck of the monitor. You will see a screw below the rubber plug and two additional screws on the panel.

4. Remove all three screws. 5. Remove the neck from the monitor. 6. Save the removed items (rubber plug, screws, neck, and base) for future use. 7. Follow the instructions included with the mounting fixture to ensure that the monitor is safely attached. The four-threaded mounting holes that are on the back of the panel are compliant with the VESA standard for mounting flat-panel monitors. The vp15 monitor uses the 75 mm spacing standard, while the other models use the 100 mm spacing standard.

Use the four holes to attach a swing arm or other mounting fixture. User's Guide 35 Setting Up the Monitor Preparing the column-base monitor for wall-mounting 1. Disconnect the power cable and any other cables from the monitor. 2. With the monitor screen face-down on a flat, soft surface, remove the monitor base. Refer to "Removing the Monitor Base." 3. Remove the hinge cover and set it aside. Three screws and the hinge are exposed. 4.

Holding the pedestal so that it cannot fall, remove the single screw that is close to the hinge, and then remove the other two screws. If necessary, move the pedestal, so that all three screws are accessible. 5. Slide the pedestal off the monitor panel. 6.

Save the removed items (screws, hinge cover, pedestal, and base) for future use. 7. Follow the instructions that are included with the mounting fixture to ensure that the monitor is safely attached. The four-threaded mounting holes that are on the back of the panel are compliant with the VESA standard for mounting flat-panel monitors. The vp15 monitor uses the 75 mm spacing standard, while the other models use the 100 mm spacing standard.

Use the four holes to attach a swing arm or other mounting fixture. Reinstalling the desktop pedestal and base for the monitor 1. Remove the mounting fixture.

2. Reverse the preceding instructions. 36 User's Guide Setting Up the Monitor Connecting the VGA (Analog) or DVI-D (Digital) Cable Use a VGA video cable or a DVI-D video cable (provided with select models). To use DVI, you must have a DVI-compliant graphic card. Connectors are located on the back of the monitor. Be sure the computer and monitor are turned off and unplugged. Some graphic cards have both a DVI connector and a DVI-to-VGA converter included in the box (select models only).

If the monitor has a VGA connector but no DVI connector, use the DVI-to-VGA converter to connect to the computer: Connect the DVI-to-VGA converter to the DVI connector on the computer graphic card, and then connect the VGA cable to the converter and the monitor. Connecting the VGA or DVI-D cable--connector locations may vary To connect the VGA cable Connect one end of the VGA video cable to the back of the monitor and the other end to the VGA video connector on the computer. To connect the DVI-D cable Connect one end of the DVI-D video cable to the back of the monitor and the other end to the DVI video connector on the computer. You can use this cable only if your compute has a DVI-compliant graphic card installed. The monitor DVI-D connector and cable are included with select models only. you use a DVI-to-HDMI adapter, NOTE: If DVI connector is for video only. you must connect the green audio cable to enable the speakers. The signal from the Connecting the HDMI Cable Connect one end of the HDMI cable (select models only) to the back of the monitor and the other end to any compatible digital audio/video source, such as a set-top box, a DVD player, or a digital television. User's Guide 37 Setting Up the Monitor Audio and Video Cables and Adapters The following table shows the cable and adapter types that may be required to connect the monitor to the computer, TV, or set-top box. The number and type of cables required may vary by model.

Some cables and adapters are included for select models only and may be sold separately. Cable/Adapter Name HDMI cable Description HDMI transmits an all-digital signal. It is the recommended choice for playback from a DVD or DVR. HDMI is capable of transmitting both uncompressed digital audio and digital video signals, because it has video, audio, and control signals. DVI transmits an all-digital video signal.

DVI cable VGA cable VGA transmits an analog video signal. DVI-to-VGA adapter Connects a DVI monitor to a VGA connector on the back of the computer, TV, or set-top box or connects a VGA monitor to a DVI connector on the back of the computer, TV, or set-top box. DVI-to-HDMI adapter Connects a DVI monitor to an HDMI connector on the back of the computer, TV, or set-top box or connects an HDMI monitor to a DVI connector on the back of the computer, TV, or set-top box. NOTE: If you use a DVI-to-HDMI adapter, you must connect the green audio cable to enable the speakers. using a VGA DVI your audio or DVI signal NOTE: When video data, not audio signal, you must connect connection is separately because a VGA use an HDMI converts only data.

separate audio not necessary when you signal, because an HDMI signal can convert both video and audio data. 38 User's Guide Setting Up the Monitor

Connecting the Audio Cable Connect the built-in monitor speakers to the computer by using the audio cable, as shown in the following illustration.

Connecting the audio cables--connector locations may vary Connecting the USB Hub Cable Connect the USB hub cable from the computer to the USB In connector on the monitor (select models only have USB capability).



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This enables USB 2.0 ports on the monitor. *USB In Connecting USB Devices to the Monitor* You can connect two or four USB devices (select models only), such as a USB flash drive or a digital camcorder, to your monitor. Do this only after you have connected the USB hub cable from the computer to the monitor.

User's Guide 39 Setting Up the Monitor Connecting the Power Cable 1. Read the warning below. the risk of equipment: **WARNING:** To reduce power cord electric shock or damage to your plug is an important safety feature.

Plug the Do not disable the grounding plug. The grounding power cord into a grounded (earthed) electrical outlet. Be sure that the grounded power outlet you plug the power cord is easily accessible to the operator and located as close to the equipment as possible. A power cord should be routed so that it is not likely to be walked on or pinched by items that are placed upon it or against it. Do not place anything on power cords or cables. Arrange them so that no one may accidentally step on or trip over them. Do not pull on a cord or cable. See "Power Cord Set Requirements" in Appendix B for additional information.

Connecting the power cable 2. Connect one end of the power cable to the monitor and the other end to a grounded electrical outlet.

310 User's Guide Setting Up the Monitor Cable Management The HP LCD monitors have either two hooks or two cable tunnels on either side for cable management. Cables can be easily secured and are hidden when viewed from the front. NOTE: If your monitor has the pivot feature, make sure the cords are set loosely enough so they will not pull and disconnect when the monitor is pivoted. . User's Guide 311 Setting Up the Monitor Adjusting the Tilt For optimal viewing, adjust the screen tilt to your own preference, as follows: 1.

Face the front of the monitor and hold the base so that you do not topple the monitor while changing the tilt. 2. Adjust the tilt by moving the top edge of the monitor either toward or away from you, without touching the screen. CAUTION: The double-hinged monitor can fall back if the hinge is extended fully and the monitor screen is tilted back too far. 312 User's Guide Setting Up the Monitor Adjusting the Swivel (Select Models Only) The HP LCD monitor allows a usable range of motion with the swivel feature.

CAUTION: To avoid breakage or other damage, avoid applying pressure to the LCD screen while swiveling it or changing the tilt. Adjusting the Height (Select Models Only) The double-hinged monitor adjusts up and down easily by extending or lowering the hinge. User's Guide 313 Setting Up the Monitor Pivoting the Monitor (Select Models Only) NOTE: For of feature, the My Display software be installed. See "My Display Software" in full functionality the this pivot chapter for information on how to may need to software. Some graphics cards the Operating Monitor install this support rotating the image of the display automatically. 1. Facing the monitor and holding its base down, tilt the monitor backward 10 to 30 degrees by pulling the bottom of the screen toward you. The first step important--the CAUTION: enough before is pivoting it. double-hinged monitor can scratch the base surface if the monitor is not tilted back 2. If the monitor is in its landscape position, after it is tilted back, pivot it clockwise to portrait position.

If it is in portrait position, tilt it back and pivot the monitor counterclockwise to landscape orientation. 314 User's Guide Setting Up the Monitor Ambient Light Sensor (Select Models Only) An integrated light sensor, on the left front of the monitor, adjusts the LCD backlight output to the current ambient light conditions. By default, the ambient light sensor is on. You manually enable or disable the sensor using the Image Control main menu in the OSD. If you adjust the Quick View, Brightness, Contrast, or sRGB functions in the OSD, the light sensor will automatically be disabled. Keyboard Parking If you need more space on your desktop, place the keyboard under the monitor (select models only) when not in use. User's Guide 315 Setting Up the Monitor 316 User's Guide 4 Operating the Monitor CD Software and Utilities The CD that is included with this monitor contains the drivers and software that you can install on your computer. Installing Drivers If you determine that you need to update the drivers, you can install the monitor-driver INF and ICM files from the CD (select models only), or download them from the Internet. To install the monitor-driver software from the CD: 1. Insert the CD in your computer CD drive.

The CD menu appears. 2. Select the language. 3. Click Install Monitor Driver Software.

4. Follow the onscreen instructions. 5. Restart the computer. 6.

Ensure that the proper resolutions and refresh rates appear in the Display Control Panel settings. Refer to the Windows® operating system documentation for more information. need to install the digitally signed files) manually from the CD. NOTE: You might error. Refer to the "Driver Software monitor driverson (INF or ICM instructions (in English only). in case of an installation Readme" file the CD for Downloading Updated Drivers from the Internet To download the latest version of drivers and software files from the HP Support site: 1. Refer to: <http://www.hp.com/support> 2. Select your country/region. 3.

Select Download Drivers and Software. 4. Enter the model number of your monitor. The software-download pages for your monitor are displayed. 5. Download and install the driver and software files by using the instructions in the download pages. 6. Ensure that your system meets the requirements. Using the Auto-Adjustment Function You can easily optimize the screen performance for the VGA input by using the Auto/Select button on the monitor and the auto-adjustment pattern software on the CD provided. Do not use this procedure if your monitor is using a DVI or HDMI input (select models only).

*If your monitor is using the VGA input, this procedure can correct the following image-quality conditions: Fuzzy or unclear focus Ghosting, streaking, or shadowing effects Faint vertical bars Thin, horizontal scrolling lines Off-center picture User's Guide 41 Operating the Monitor CAUTION: Burn-in damage display the screen for a prolonged period of image*To avoid may occur on monitors that your monitors same static image on always activate a time. burn-in image damage on screen, you should screen saver application or turn off the monitor when it is not in use for a prolonged period of time. Image retention is a condition that may occur on all LCD screens. *A prolonged period of time is 12 consecutive hours of non-use. To use the auto-adjustment feature: 1.*

Allow the monitor to warm up for 20 minutes before adjusting.



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2. Press the Auto/Select button on the monitor front panel. You can also press the Menu button, and then select Image Control, followed by Auto Adjustment from the OSD menu. See "Adjusting Screen Quality" in this chapter.

If the result is not satisfactory, continue with the procedure. 3. Insert the CD in your computer CD drive. The CD menu displays. 4. Select the language. 5. Select Open Auto-Adjustment Software. 6. The setup test pattern displays.

Auto-adjustment setup test pattern 7. Press the Auto/Select button on the monitor front panel to produce a stable, centered image. My Display Software Use My Display (available for select models only) to choose preferences for optimum viewing. You can select settings for gaming, movies, photo editing or just working on documents and spreadsheets. My Display also provides an easy way to adjust settings such as brightness, color, and contrast. To install the software: 1. Insert the CD in your computer CD drive. The CD menu displays. 2. Select the language.

3. Click Install My Display Software (available on select models only). 4. Follow the onscreen instructions. 5.

Restart the computer. To open the My Display software: 1. Click the HP My Display icon on the taskbar. Or 1. Click the Windows Vista start button™ 2. Click All Programs. 3. Click HP My Display. 4. Select HP My Display. For additional information, refer to the onscreen Help within the software. on the taskbar. 42 User's Guide Operating the Monitor Front-Panel Controls Control buttons are located on the front or top of the monitor: Icon Power Description Turns the monitor on and to standby or sleep mode. Menu NOTE: The power button is located on the top or front of the monitor depending on the model. Opens, selects, or exits the OSD menu.

Adjusts the volume level. Opens the Quick View menu to quickly adjust settings for gaming, video, photo, and text. + Auto Select Navigates backward through the OSD menu and decreases adjustment levels. Navigates forward through the OSD menu and increases adjustment levels. Auto-adjusts the display to the ideal setting. Enters the selected option. Using the Onscreen Display (OSD) An onscreen display is an image superimposed on a screen picture, commonly used by monitors, televisions, VCRs, and DVD players to display information such as volume, channel, and time. NOTE: You can use My Display OSD software (select models only) or the front-panel control buttons to adjust settings. 1. If the monitor is not already on, press the Power button to turn on the monitor.

2. To access the OSD menu, press the Menu button. The OSD Main Menu displays. 3. To navigate through the Main or Sub-Menu menu, press the + (Plus) button on the monitor's front panel to scroll up, or the (Minus) button to scroll in reverse.

Then press the Auto/Select button to select the highlighted function. The menu moves to the top if you scroll down at the bottom of the selections. The menu moves to the bottom if you scroll up at the top of the selections. 4. To adjust the scale of a selected item, press the + or button.

5. Select Save and Return. If you don't want to save the setting, select Cancel from the Sub-Menu or Exit from the Main Menu. 6. Press the Menu button to exit the OSD. When a NOTE: are saved menu is displayed, if the buttons are untouched for 30 seconds (factory default), adjustments and settings and the menu closes. User's Guide 43 Operating the Monitor OSD Menu Selections The following table lists the On-Screen Display (OSD) menu selections and their functional descriptions. @@@@This Save and Return option is active only if you change a menu item. @@Switching video input sources may take several seconds. Adjusts the brightness level of the screen.

Adjusts the contrast level of the screen. Adjusts the screen image. @@Automatically adjusts the screen image (VGA Input only). Adjusts the horizontal position of the picture (VGA Input only). Adjusts the vertical position of the picture (VGA Input only). @@@@The sensor is on the left front of the monitor. By default the sensor is set to On. @@@@Adjusts the focus of the display. @@@@Changes to slightly reddish white. @@G -- Sets your own green color levels.

B -- Sets your own blue color levels. @@@@Selects the photo mode. Selects the gaming mode. Selects the text mode. @@Selects the language in which the OSD menu is displayed.

The factory default is English. Selects the power-management features of the monitor. Adjusts the volume level. Adjusts the position of the OSD menu on the screen. @@The factory default range is 50.

@@The factory default range is 50. @@@@The factory default is 30 seconds. @@Select: On Off The factory default is On. @@Select: On Off The factory default is On or Off, depending on the model. Power Saver Mode Display User's Guide 45 Operating the Monitor Icon Main Menu Options Submenu Options Power-On Status Display Description (Continued) Displays the operating status of the monitor each time the monitor is powered on. Select the location to which to display the status: Top Middle Bottom Off The factory default is Top or Off, depending on the model. Allows the computer to control some OSD menu features such as brightness, contrast, and color temperature. Set to: On Off The factory default is On. Turns the light (LED) in the power button On and Off. When set to Off, the light will remain off at all times.

Provides the timer-adjustment menu options: Set Current Time -- Sets the current time in hours and minutes. Set Sleep Time -- Sets the time you want to place the monitor in sleep mode. Set on Time -- Sets the time you want the monitor to wake up from sleep mode. Timer -- Sets the Sleep Timer feature On or Off; the default setting is Off. Sleep Now -- Immediately sets the monitor to enter sleep mode. Selects the default video input signal when the monitor is connected to two active and valid video sources. The default is DVI. You must restart the computer to have the change take effect. Selects and displays important information about the monitor. DDC/CI Support Bezel Power LED (select models only) Sleep Timer Default Video Input Information Current Settings Recommended Settings Serial Number Version Backlight Hours Service Support Factory Reset Provides the current input video mode.

Provides the recommended resolution mode and refresh rate for the monitor. Reports the serial number of the monitor. The serial number is needed if contacting HP technical support. Reports the firmware version of the monitor. Reports the total hours of backlight operation.

For service support, go to: <http://www.hp.com/support> Returns settings to factory defaults. 46 User's Guide Operating the Monitor Selecting Video Input Connectors The input connectors are: VGA connector (analog) DVI-D connector (digital) for select models HDMI connector for select models The monitor automatically determines which inputs have valid video signals, and displays the image.



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You can connect the VGA cable, the DVI-D cable, or both.

If both cables are installed, the default input selection is DVI. The HDMI cable is in place of the DVI-D cable. The source of input can be switched using the Switch Video Input option in the OSD menu. Switching from a VGA to an HDMI input source may take several seconds. Identifying Monitor Conditions Special messages appear on the monitor screen for the following monitor conditions: Input Signal Out of Range -- Indicates the monitor does not support the video card's input signal because its resolution or refresh rate are set higher than the monitor supports. Change your video card settings to a lower resolution or refresh rate. Restart your computer for the new settings to take effect. Monitor Going to Sleep -- Indicates the screen display is entering a sleep mode. The speakers are turned off in sleep mode. Check Video Cable -- Indicates a video input cable is not properly connected to the computer or monitor.

OSD Lock-out -- The OSD can be enabled or disabled by pressing and holding the Menu button on the front panel for 10 seconds. If the OSD is locked, the warning message "OSD Lock-out" appears for 10 seconds. If the OSD is locked, press and hold the Menu button for 10 seconds to unlock the OSD. If the OSD is unlocked, press and hold the Menu button for 10 seconds to lock the OSD. No Input Signal -- Indicates the monitor is not receiving a video signal from the computer on the monitor video input connector(s). Check to see if the computer or input signal source is off or in the power-saver mode. Auto Adjustment in Progress -- Indicates the auto-adjustment function is active. See "Adjusting Screen Quality" in this chapter. Adjusting Screen Quality The auto-adjustment feature automatically fine-tunes the image quality for display size, position, clock, and phase each time a new video mode is displayed. For more precise adjustments of VGA input, run the Auto-Adjustment software on the CD.

See "Using the Auto-Adjustment Function" in this chapter. If you want additional image-quality improvement, use the Clock and Clock Phase controls of the monitor to fine-tune the image. See "Optimizing Analog Video" in this chapter. User's Guide 47 Operating the Monitor Optimizing Analog Video This monitor contains advanced circuitry that allows the monitor to function as a standard analog monitor. Two controls in the OSD menu can be adjusted to improve analog image performance: Clock -- Increase or decrease the value to minimize any vertical bars or stripes visible on the screen background.

Clock Phase -- Increase or decrease the value to minimize video distortion or video jitter. Use these controls only when the auto-adjustment function does not provide a satisfactory monitor image in analog mode. To obtain the best results: 1. Allow the monitor to warm up for 20 minutes before adjusting. 2.

Display the adjustment-pattern application provided on the CD. 3. Access the OSD menu, then select Image Control. 4. Set the main Clock settings correctly first, because the Clock Phase settings depend on the main Clock setting. When adjusting the Clock and Clock Phase values, if the monitor images become distorted, continue adjusting the values until the distortion disappears. To restore the factory settings, access the OSD menu, select Factory Reset, and then select Yes. Power-Saver Feature When the monitor is in normal operating mode, the Power light is aqua-white or green (depending on model) and the monitor uses the normal watts of power. For power usage, refer to "Technical Specifications" (Appendix B). The monitor also supports a power-saver mode that is controlled by the computer.

When the monitor is in the reduced-power state, the monitor screen is blank, the backlight is off, and the Power light is amber. The monitor uses minimum power. When the monitor is "awakened," a brief warm-up period occurs before the monitor returns to normal operating mode. The energy-saving reduced power state activates if the monitor does not detect either the horizontal sync signal or the vertical sync signal. The power-saver feature must be activated on your computer for this feature to work. Refer to your computer documentation for instructions on setting energy-saver features (sometimes called power-management features). NOTE: The energy-saver feature works only when the monitor is connected to computers that have energy-saver features. High-Bandwidth Digital Content Protection (HDCP) If your monitor supports HDCP, it can receive high-definition content. High-definition content is available in many sources, such as HD-DVD and Blu-Ray devices or HDTV air or cable broadcasts. If you do not have an HDCP-enabled monitor, you may see a black screen or a lower resolution picture when playing high-definition protected content.

Your computer graphic card and monitor must both support HDCP to display protected content. 48 User's Guide 5 Preparing the Monitor for Shipping Keep the original packing box in a storage area. You may need it later if you move or ship your monitor. You may need to detach the monitor base when you ship the HP LCD monitor. Removing the Monitor Base Do not while the Å WARNING: remove the base from the pedestalthe monitor is standing in the upright position.

Attempting to the base from the pedestal while is upright might injure the user. and Å WARNING: Before disassembling or folding the monitor, turn off the monitor power, cord disconnect all power, by video, and audio cables. To disconnect power from the equipment, unplug the power from the power outlet grasping the power plug firmly. Never pull on the cord. the monitor screen down on flat, Å CAUTION: The screen is fragile.

Placingthe LCD screen; doing so cancausesoft area prevents scratches, defacing, or breakage. Avoid applying pressure to damage. Removing the cantilever base 1. Disconnect the power, video, and audio cables from the monitor. 2. Set the monitor screen down on a flat, soft, protected surface. 3. Press the center tab in (1) and detach the base from the monitor (2). Removing the cantilever base User's Guide 51 Preparing the Monitor for Shipping 4. Fold the monitor neck down, and place the monitor and base in the original packing box.

Removing the column base 1. Disconnect the power, video, and audio cables from the monitor. 2. Set the monitor screen down on a flat, soft, protected surface. 3. Pinch and hold the tabs with one hand; then pull the base off with the other hand to detach the base from the monitor. Removing the column base Å WARNING: Be careful to avoid pinching or scraping your fingers when removing the base. 4. Put the monitor and base in the original packing box. 52 User's Guide Preparing the Monitor for Shipping Folding the Double-Hinged Monitor You don't have to remove this monitor base for shipping.



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Fold the double-hinged monitor in its original shipping position. Do not **WARNING: injury or place the double-hinged monitor face down for folding. The base hinge can spring up and cause serious damage.** 1. Turn the monitor to a horizontal position with no tilt.

2. Lower the monitor all the way until the hinge is flat. The monitor screen should still be vertical to the desktop so you can access the hinge. 3. Place the shipping strap around the base, pull it tight, and connect it by sliding the strap ends through the slips.

4. Lower the monitor screen down flat, horizontal to the desktop. User's Guide 53 Preparing the Monitor for Shipping 5. Pivot the monitor to the portrait position (in the figure, you would be facing the monitor where the straight arrow is). 6. Place the folded monitor, screen-side up, in its original shipping box.

54 User's Guide A Troubleshooting Solving Common Problems The following table lists possible problems, the possible cause of each problem, and the recommended solutions: Problem Power LED is not on. Solution Make sure the Power button is on, and the power cord is properly connected to a grounded power outlet and to the monitor. Select Management in the OSD menu, and then select Bezel Power LED. Check if the Bezel Power LED option is set to Off and, if so, set to On mode.

Screen is blank. Connect the power cord. Turn on the power. Connect the video cable properly. See "Setting Up the Monitor" for more information. Press a key on the keyboard or move the mouse to turn off the screen-blanking utility. Check if your monitor and computer support HDCP. Refer to "High-Bandwidth Digital Content Protection (HDCP)" or <http://www.hp.com/support> for more information.

Press the Auto/Select button on the monitor front panel. If this does not correct the image, press the Menu button to open the OSD menu, and adjust the brightness and contrast scales as needed. Press the Menu button to access the OSD menu. Select Image Control, and then select Horizontal Position or Vertical Position to adjust the horizontal or vertical position of the image. Connect the monitor VGA signal cable to the VGA connector on the computer, or connect the DVI-D signal cable to the DVI connector on the computer.

Be sure that the computer power is off while connecting the video cable. Restart your computer and enter Safe Mode. Change your settings to a supported setting (see the table in "Preset Video Modes" in Appendix B). Restart your computer, so that the new settings take effect. Adjust the contrast and brightness controls.

Make sure that you are not using an extension cable or switch box. We recommend plugging the monitor directly into the graphic card output connector on the back of your computer. For VGA input, the auto-adjustment feature might fix this problem. Make sure that the graphics card supports the optimal resolution. Make sure that the latest supported driver is installed for the graphics card. For HP and Compaq systems, you can download the latest graphics driver for your system from: <http://www.hp.com/support> For other systems, refer to the Web site for your graphics card. Screen is black or displaying at a lower resolution while displaying high-definition (HD) content. Image appears blurred, indistinct, or too dark.

Image is not centered. "Check Video Cable" appears on screen. "Input Signal Out of Range" appears on screen. Picture is fuzzy and has ghosting, shadowing problem. Unable to set the monitor to the optimal resolution. User's Guide A1 Troubleshooting Problem No Plug and Play. Solution (Continued) In order for the Plug and Play feature of the monitor to work, you need a computer and graphic card that are compatible with Plug and Play. Check with your computer manufacturer. Check the monitor's video cable, and make sure that none of the pins are bent. Make sure that the HP monitor drivers are installed.

Refer to "Installing Drivers" for more information. HP monitor drivers are also available at: <http://www.hp.com/support> Move electrical devices that may cause electrical interference as far away from the monitor as possible. Use the maximum refresh rate that your monitor is capable of at the resolution that you are using.

The computer power switch should be in the On position. The computer graphic card should be snugly seated in its slot. Check that the monitor video cable is properly connected to the computer. Inspect the monitor video cable, and make sure that none of the pins are bent. Check that your computer is operational:

Press the Caps Lock key and observe the Caps Lock LED found on most keyboards.

The LED should either turn on or off after hitting the Caps Lock key. Make sure the USB hub cable is securely connected to the monitor and the computer. Picture bounces, flickers, or wave pattern is present in the picture. Monitor is always in "Sleep Mode (Amber LED)." USB 2.0 ports are not working. Getting Support from [hp.com](http://www.hp.com) Before you contact customer service, refer to HP Technical Support at: <http://www.hp.com/support> Select your country/region, and then follow the links to the support page for your monitor.

Preparing to Call Technical Support If you cannot solve a problem by using the troubleshooting tips in this section, you might have to call technical support. For technical support contact information, refer to the printed documentation included with the monitor. Have the following information available when you call: Monitor model number (located on label on back of monitor) Monitor serial number (located on label on back of monitor or in the OSD display in the Information menu) Purchase date on invoice Conditions under which the problem occurred Error messages received Hardware configuration Name and version of hardware and software you are using Locating the Rating Label The rating label on the monitor provides the product number and serial number.

You may need these numbers when contacting HP about your monitor model. The rating label is on the back of the monitor. A2 User's Guide B Technical Specifications All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. HP LCD Monitors Face treatment: Antiglare polarizer with hard coating (select models only) Input Terminals: VGA 15-pin D-type connector DVI-D 24-pin D-type connector (select models only) HDMI connector (select models only) Specifications model vp15 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (including base) (h x w x d): Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: TFT LCD active matrix 15.



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0 in., 38.1 cm 15.

0 in. diagonal, 38.1 cm diagonal 50 to +250 6.8 lb, 3.1 kg 13.

9 x 15.9 x 7.68 in., 354 x 405 x 195 mm 1024 x 768 @ 75 Hz analog mode 1024 x 768 @ 60 Hz analog mode 720 x 400 0.297 x 0.

297 mm 24 to 63 kHz 50 to 76 Hz 410 to 950 F, 50 to 350 C 290 to 1400 F, 200 to 600 C 20% to 80% 100240Vv, 50/60 Hz 31 watts maximum <2 watts typical User's Guide B1 Technical Specifications Specifications (Continued) model vp17 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum

Weight (unpacked): Dimensions (including base) (h x w x d): Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: model vp19 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (including base) (h x w x d): Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: TFT LCD active matrix 19.0 in., 48.3 cm 19.0 in., 48.3 cm diagonal 50 to +250 11.7 lb, 5.3 kg 16.8 x 19.

1 x 7.3 in., 427 x 484 x 184 mm 1280 x 1024 @ 75 Hz analog mode 1280 x 1024 @ 60 Hz analog mode 720 x 400 0.294 x 0.294 mm 24 to 83 kHz 50 to 76 Hz TFT LCD active matrix 17.0 in., 43.2 cm 17.0 in., 43.

2 cm diagonal 50 to +250 11.7 lb, 5.3 kg 15.7 x 17.3 x 7.

3 in., 398 x 440 x 184 mm 1280 x 1024 @ 75 Hz analog mode 1280 x 1024 @ 60 Hz analog mode 720 x 400 0.264 x 0.264 mm 24 to 83 kHz 50 to 76 Hz 410 to 950 F, 50 to 350 C 290 to 1400 F, 200 to 600 C 20% to 80% 100240Vv, 50/60 Hz 45 watts maximum <2 watts typical 410 to 950 F, 50 to 350 C 290 to 1400 F, 200 to 600 C 20% to 80% 100240Vv, 50/60 Hz 47 watts maximum <2 watts typical B2 User's Guide Technical Specifications Specifications (Continued) model FP1707 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (including base) (h x w x d):

Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: model WF1907 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (including base) (h x w x d): Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: TFT LCD active matrix 19.0 in.

, 48.3 cm 19.0 in., 48.3 cm diagonal 50 to +250 10.8 lb, 4.9 kg 14.7 x 20.1 x 8.2 in.

, 374 x 511 x 207 mm 1440 x 900 @ 60 Hz analog mode 1440 x 900 @ 60 Hz analog mode 720 x 400 0.294 x 0.294 mm 24 to 83 kHz 50 to 76 Hz TFT LCD active matrix 17.0 in., 43.2 cm 17.0 in., 43.2 cm diagonal 50 to +250 10.1 lb, 4.

6 kg 15.4 x 17.4 x 8.2 in., 392 x 441 x 207 mm 1280 x 1024 @ 75 Hz analog mode 1280 x 1024 @ 60 Hz analog mode 720 x 400 0.

264 x 0.264 mm 24 to 83 kHz 50 to 76 Hz 410 to 950 F, 50 to 350 C 290 to 1400 F, 200 to 600 C 20% to 80% 100240Vv, 50/60 Hz 45 watts maximum <2 watts typical 410 to 950 F, 50 to 350 C 290 to 1400 F, 200 to 600 C 20% to 80% 100240Vv, 50/60 Hz 49 watts maximum <2 watts typical User's Guide B3 Technical Specifications Specifications (Continued) model w1707 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (including base) (h x w x d): Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: model w1907 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (including base) (h x w x d): Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: TFT LCD active matrix 19.0 in., 48.3 cm 19.

0 in., 48.3 cm diagonal 50 to +250 11.0 lb, 5.0 kg 14.9 x 17.9 x 7.3 in., 380 x 454 x 185 mm 1440 x 900 @ 60 Hz analog mode 1440 x 900 @ 60 Hz analog mode 720 x 400 0.283 x 0.

284 mm 24 to 83 kHz 50 to 76 Hz TFT LCD active matrix 17.0 in., 43.2 cm 17.0 in., 43.2 cm diagonal 50 to +250 8.4 lb, 3.8 kg 14.3 x 16.

3 x 17.2 in., 362 x 414 x 184 mm 1440 x 900 @ 60 Hz analog mode 1440 x 900 @ 60 Hz analog mode 720 x 400 0.283 x 0.284 mm 24 to 83 kHz 50 to 76 Hz 410 to 950 F, 50 to 350 C 290 to 1400 F, 200 to 600 C 20% to 80% 100240Vv, 50/60 Hz 49 watts maximum <2 watts typical 410 to 950 F, 50 to 350 C 290 to 1400 F, 200 to 600 C 20% to 80% 100240Vv, 50/60 Hz 49 watts maximum <2 watts typical B4 User's Guide Technical Specifications Specifications (Continued) model w2007 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (including base) (h x w x d):

Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: model w2207 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (h x w x d) (high position): (low position): Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal

Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: TFT LCD active matrix 22.0 in., 55.9 cm 22.0 in., 55.

9 cm diagonal 50 to +250 19.



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8 lb, 9.0 kg 18.9 x 20.6 x 11.4 in., 481 x 523 x 289 mm 14.6 x 20.6 x 11.4 in.

371 x 523 x 289 mm 1680 x 1050 @ 60 Hz analog mode 1680 x 1050 @ 60 Hz analog mode 720 x 400 0.282 x 0.282 mm 24 to 83 kHz 50 to 76 Hz TFT LCD active matrix 20.0 in., 50.8 cm 20.0 in., 50.8 cm diagonal 5o to +25o 13.3 lb, 6.

0 kg 15.6 x 19.3 x 7.3 in., 397 x 490 x 184 mm 1680 x 1050 @ 60 Hz analog mode 1680 x 1050 @ 60 Hz analog mode 720 x 400 0.

282 x 0.282 mm 24 to 83 kHz 55 to 76 Hz 41o to 95o F, 5o to 35o C 29o to 140o F, 20o to 60o C 20% to 80% 100240Vv, 50/60 Hz 52 watts maximum <2 watts typical 41o to 95o F, 5o to 35o C 29o to 140o F, 20o to 60o C 20% to 80% 100240Vv, 50/60 Hz 65 watts maximum <2 watts typical User's Guide B5

Technical Specifications Specifications (Continued) model w2216 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (h x w x d): Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature: Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: model w2408 Display Type: Screen Size: Viewable Image Size: Tilt: Maximum Weight (unpacked): Dimensions (h x w x d) (high position): (low position): Maximum Graphics Resolution: Optimum Graphics Resolution: Text Mode: Dot Pitch: Horizontal Frequency (analog mode): Vertical Refresh Rate (analog mode): Environmental Requirements Temperature (independent of altitude) Operating Temperature: Non-operating Temperature Relative Humidity: Power Source: Power Consumption: Sleep Power Consumption: TFT LCD active matrix 24.0 in., 61.0 cm 24.

0 in., 61.0 cm diagonal 5o to +25o 21.6 lb, 9.8 kg 19.7 x 23.1 x 11.4 in., 500 x 586 x 289 mm 16.3 x 23.

1 x 11.4 in., 415 x 586 x 289 mm 1920 x 1200 @ 60 Hz analog mode 1920 x 1200 @ 60 Hz analog mode 720 x 400 0.282 x 0.282 mm 24 to 94 kHz 48 to 85 Hz TFT LCD active matrix 21.6 in., 54.9 cm 21.6 in., 54.

9 cm diagonal 5o to +25o 19.6 lb, 8.9 kg 18.9 x 20.6 x 11.

4 in., 481 x 523 x 289 mm 1680 x 1050 @ 60 Hz analog mode 1680 x 1050 @ 60 Hz analog mode 720 x 400 0.282 x 0.282 mm 24 to 83 kHz 50 to 76 Hz 41o to 95o F, 5o to 35o C 29o to 140o F, 20o to 60o C 25% to 85% 100240Vv, 50/60 Hz 65 watts maximum <2 watts typical 41o to 95o F, 5o to 35o C 29o to 140o F, 20o to 60o C 20% to 80% 100240Vv, 50/60 Hz 130 watts maximum <2 watts typical B6 User's Guide Technical Specifications Preset Video Modes

The monitor automatically recognizes many preset video input modes that will appear properly sized and centered on the screen. The following modes are assigned at the factory and are the most commonly used display resolutions: vp15 supports preset modes 1 through 11 vp17, vp19, and FP1707 support preset modes 1 through 15 Factory Preset Video Input Modes, vp15, vp17, vp19, and FP1707 Preset 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 Resolution 640 x 480 640 x 480 640 x 480 720 x 400 800 x 600 800 x 600 832 x 624 1024 x 768 1024 x 768 1024 x 768 1152 x 870 1152 x 900 1280 x 1024 1280 x 1024

Horizontal Frequency (kHz) 31.

4 37.8 37.5 31.4 37.8 48.0 46.8 49.7 48.3 56.4 60.

0 68.6 71.7 63.9 79.9 Vertical Frequency (Hz) 59.9 72.8 75.0 70.0 60.3 72.

1 75.0 74.5 60.0 70.0 75.

0 75.0 76.1 60.2 75.0 w1707 supports preset modes 1 through 15 Factory Preset Video Input Modes, w1707 Preset 1 2 3 4 5 6 7 8 9 10 Resolution 640 x 480 640 x 480 720 x 400 800 x 600 800 x 600 832 x 624 1024 x 768 1024 x 768 1152 x 870 1152 x 900 Horizontal Frequency (kHz) 31.

4 37.8 31.4 37.8 46.8 49.7 48.3 60.0 68.6 61.8 Vertical Frequency (Hz) 59.

9 72.8 70.0 60.3 75.0 74.5 60.0 75.0 75.0 65.9 User's Guide B7 Technical Specifications Factory Preset Video Input Modes, w1707 (Continued) Preset 11 12 13 14 15 Resolution 1280 x 768 1280 x 960 1280 x 1024 1280 x 1024 1440 x 900 Horizontal Frequency (kHz) 47.

4 60.0 64.3 79.9 55.9 Vertical Frequency (Hz) 60.

0 60.0 60.0 75.0 59.8 WF1907 and w1907 support preset modes 1 through 16 Factory Preset Video Input Modes, WF1907 and w1907 Preset 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 Resolution 640 x 480 640 x 480 720 x 400 800 x 600 800 x 600 832 x 624 1024 x 768 1024 x 768 1152 x 720 1152 x 870 1152 x 900 1280 x 768 1280 x 960 1280 x 1024 1280 x 1024 1440 x 900 Horizontal Frequency (kHz) 31.

5 37.5 31.5 37.9 46.9 49.7 48.4 60.0 44.9 68.7 61.

8 47.4 60.0 63.9 79.9 55.9 Vertical Frequency (Hz) 59.9 75.0 70.0 60.3 75.

0 74.5 60.0 75.0 60.0 75.

1 65.9 60.0 60.0 60.0 75.

0 59.9 B8 User's Guide Technical Specifications w2007 supports preset modes 1 through 18 Factory Preset Video Input Modes, w2007 Preset 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 Resolution 640 x 480 640 x 480 720 x 400 800 x 600 800 x 600 832 x 624 1024 x 768 1024 x 768 1024 x 768 1152 x 720 1152 x 870 1152 x 900 1280 x 768 1280 x 960 1280 x 1024 1280 x 1024 1440 x 900 1680 x 1050 Horizontal Frequency (kHz) 31.4 37.5 31.5 37.9 46.8 49.7 48.3 60.0 68.

6 44.8 68.7 61.8 47.4 60.0 63.9 79.9 59.9 65.2 Vertical Frequency (Hz) 59.

9 75.0 70.0 60.3 75.0 74.

5 60.0 75.0 85.0 60.0 75.

0 65.9 76.1 60.0 60.0 75.0 59.9 60.0 w2207 supports preset modes 1 through 18 Factory Preset Video Input Modes, w2207 Preset 1 2 3 4 5 6 7 8 9 10 11 Resolution 640 x 480 640 x 480 720 x 400 800 x 600 800 x 600 832 x 624 1024 x 768 1024 x 768 1152 x 720 1152 x 870 1152 x 900 Horizontal Frequency (kHz) 31.4 37.5 31.

5 37.9 46.9 49.7 48.4 60.0 44.8 68.7 61.8 Vertical Frequency (Hz) 59.9 75.

0 70.0 60.3 75.0 74.5 60.

0 75.0 60.0 75.1 65.9 User's Guide B9 Technical Specifications Factory Preset Video Input Modes, w2207 (Continued) Preset 12 13 14 15 16 17 18 Resolution 1280 x 768 1280 x 960 1280 x 1024 1280 x 1024 1440 x 900 1600 x 1000 1680 x 1050 Horizontal Frequency (kHz) 47.

4 60.0 63.9 79.9 55.9 61.6 65.3 Vertical Frequency (Hz) 60.0 60.0 60.0 75.

0 59.9 60.0 60.0 w2216 supports preset modes 1 through 18 Factory Preset Video Input Modes, w2216 Preset 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 Resolution 640 x 480 640 x 480 720 x 400 800 x 600 800 x 600 832 x 624 1024 x 768 1024 x 768 1152 x 720 1152 x 870 1152 x 900 1280 x 768 1280 x 960

1280 x 1024 1280 x 1024 1440 x 900 1600 x 1000 1680 x 1050 Horizontal Frequency (kHz) 31.4 37.5 31.5 37.9 46.9 49.7 48.
4 60.0 44.8 68.7 61.8 47.
4 60.0 63.9 79.9 55.9 61.
6 65.3 Vertical Frequency (Hz) 59.9 75.0 70.0 60.3 75.0 74.5 60.0 75.0 60.

0 75.1 65.9 60.0 60.0 60.0 75.0 59.9 60.0 60.0 B10 User's Guide Technical Specifications w2408 supports preset modes 1 through 20 Factory Preset Video
Input Modes, w2408 Preset 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 Resolution 640 x 480 640 x 480 720 x 400 800 x 600 800 x 600 832 x 624 1024
x 768 1024 x 768 1152 x 720 1152 x 870 1280 x 768 1280 x 960 1280 x 1024 1280 x 1024 1440 x 900 1600 x 1000 1680 x 1050 1600 x 1200 1600 x 1200
1920 x 1200 Horizontal Frequency (kHz) 31.
5 37.5 31.5 37.9 46.9 49.
7 48.4 60.0 44.8 68.



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