

LCD Monitor User Manual A2258Pw

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SAFETY

NATIONAL CONVENTIONS

The following subsections describe notational conventions used in this document.

Notes, Cautions, and Warnings

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type.

These blocks are notes, cautions, and warnings, and they are used as follows:



NOTE: A NOTE indicates important information that helps you make better use of your computer system.



CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



WARNING: A WARNING indicates the potential for bodily harm and tells you how to avoid the problem. Some warnings may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

POWER



The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.



The monitor is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.



Unplug the unit during a lightning storm or when it will not be used for long periods of time. This will protect the monitor from damage due to power surges.



Do not overload power strips and extension cords. Overloading can result in fire or electric shock.



To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 19V, 3.42A



The wall socket shall be installed near the equipment and shall be easily accessible.



For use only with the attached power adapter (Output 19Vdc) which have UL,CSA listed license (Only for monitors with power adapter). Manufacturers:

- 1) TPV ELECTRONICS(FUJIAN) CO., LTD model: ADPC1965
- 2) SHENZHEN HONOR ELECTRONICS CO., LTD. / model: ADS-65LSI-19-1 19065G

INSTALLATION



Do not place the monitor on an unstable cart, stand, tripod, bracket, or table. If the monitor falls, it can injure a person and cause serious damage to this product. Use only a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with this product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. A product and cart combination should be moved with care.



Never push any object into the slot on the monitor cabinet. It could damage circuit parts causing a fire or electric shock. Never spill liquids on the monitor.



Do not place the front of the product on the floor.



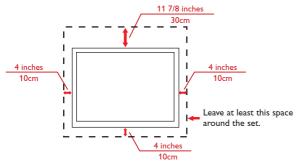
If you mount the monitor on a wall or shelf, use a mounting kit approved by the manufacturer and follow the kit instructions.



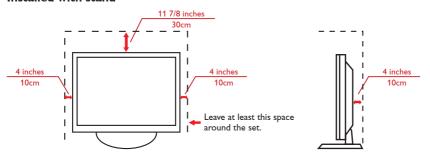
Leave some space around the monitor as shown below. Otherwise, air-circulation may be inadequate hence overheating may cause a fire or damage to the monitor.

See below the recommended ventilation areas around the monitor when the monitor is installed on the wall or with the stand:

Installed on the wall



Installed with stand



CLEANING



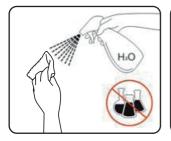
Clean the cabinet regularly with cloth. You can use soft-detergent to wipe out the stain, instead of strong-detergent which will cauterize the product cabinet.

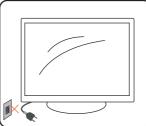


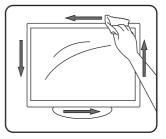
When cleaning, make sure no detergent is leaked into the product. The cleaning cloth should not be too rough as it will scratch the screen surface.



Please disconnect the power cord before cleaning the product.







OTHER



If the product is emitting a strange smell, sound or smoke, disconnect the power plug IMMEDIATELY and contact a Service Center.



Make sure that the ventilating openings are not blocked by a table or curtain.



Do not engage the LCD monitor in severe vibration or high impact conditions during operation.



Do not knock or drop the monitor during operation or transportation.



For display with glossy bezel the user should consider the placement of the display as the bezel may cause disturbing reflections from surrounding light and bright surfaces.

SETUP

CONTENTS IN BOX

- 1. LCD Monitor
- 2. CD Manual
- 3. Power Cord
- 4. Power Adapter
- 5. D-SUB cable
- 6. Audio cable
- 7. USB Cable (upstream)
- 8. Keyboard
- 9. Mouse

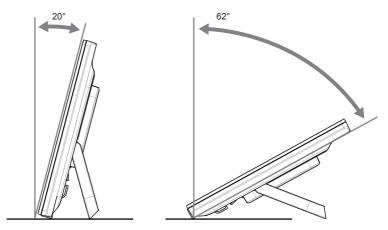


NOTE

 Not all signal cables (D-SUB, Audio, and USB cables) will be provided for all countries and regions. Please check with the local dealer or AOC branch office for confirmation.

ADJUSTING VIEWING ANGLE

- For optimal viewing, it is recommended to look at the full face of the monitor, and then adjust the monitor's angle to your own preference.
- · Hold the stand so you will not topple the monitor when you change the monitor's angle.
- You are able to adjust the tilted angle to 20° or 62°.



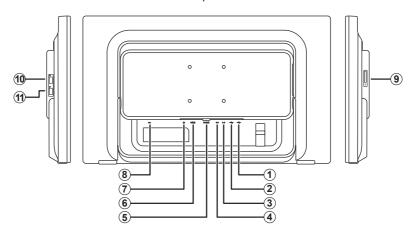


NOTE

· Do not touch the LCD screen when you change the angle. It may cause damage or break the LCD screen.

CONNECTING THE MONITOR

Cable Connections In Back of Monitor and Computer:



1.	USB port	7.	RJ45 (10/100Mbps)
2.	USB port	8.	Power input
3.	Earphone out	9.	SD
4.	Audio In	10.	USB port
5.	D-SUB Signal input	11.	USB port
6.	HDMI Signal input		

To protect equipment, always turn off the PC and LCD monitor before connecting.

- 1. Connect the power cable to the AC port on the back of the monitor.
- 2. Connect one end of the 15-pin D-Sub cable to the back of the monitor and connect the other end to the computer's D-Sub port.
- 3. Optional (Requires a video card with HDMI port) Connect one end of the HDMI cable to the back of the monitor and connect the other end to the computer's HDMI port.
- 4. Turn on your monitor and computer.
- 5. Video content supporting resolution: VGA / HDMI: 1920 x 1080/60Hz (Maximum)

If your monitor displays an image, installation is complete. If it does not display an image, please refer Troubleshooting on page 37.

ADJUSTING

SETTING OPTIMAL RESOLUTION

Windows Vista

- 1. Click START.
- 2. Click CONTROL PANEL.



3. Click Appearance and Personalization.



4. Click Personalization.



5. Click Display Settings.



6. Set the resolution SLIDE-BAR to 1920x1080.



Windows 8

1. Right click and click **All apps** at the bottom-right of the screen.



2. Set the "View by" to "Category".

3. Click Appearance and Personalization.



4. Click DISPLAY.



5. Set the resolution SLIDE-BAR to 1920x1080.



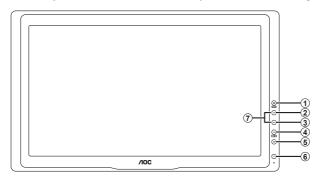
Windows ME/2000

- 1. Click START.
- 2. Click **SETTINGS**.
- 3. Click CONTROL PANEL.
- 4. Double click **DISPLAY**.
- 5. Click **SETTINGS**.
- 6. Set the resolution SLIDE-BAR to 1920x1080.

OPERATING INSTRUCTIONS

HOTKEYS

- · Connect the power cord and the video cable.
- · Press the POWER key to turn on the monitor. The power indicator will light up.



	For menu control				
1.	M ENTER	MENU/ENTER	4.	A EXIT	AUTO / EXIT
2.	+	+ / up	5.	S	SOURCE
3.	_	- / down / Eco Mode	6.	(0)	BACK for Android



NOTE

- Do not install the monitor in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, or excessive dust or mechanical vibration or shock.
- Save the original shipping carton and packing materials, as they will come in handy if you ever have to ship
 your monitor.
- For maximum protection, repackage your monitor as it was originally packed at the factory.
- To keep the monitor looking new, periodically clean it with a soft cloth. Stubborn stains may be removed
 with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner,
 benzene, or abrasive cleaners, since these will damage the cabinet. As a safety precaution, always unplug
 the monitor before cleaning it.
- · Do not scratch the screen with hard things, it may cause permanent damage.
- · Don't leak liquid into monitor which will result in the damage of component.

OSD SETTING

Basic and simple instruction on the control keys.



- 1. Press the (M) (menu) key to display the control menu.
- 2. Press + (up) or (down) to navigate through the menu items. Once the desired item is highlighted, press the ENTER) key to activate it. If there is a sub-menu, press + (up) or (down) to navigate through the sub-menu functions.
- 3. Press + (up) or (down) to change the settings of the selected function. Press EXIT (EXIT) to exit. If you want to adjust any other function, repeat steps 2-3.



NOTE

- If the product has only one signal input, the item of "Input Select" is disabled.
- If the product screen size is 4:3 or input signal resolution is native resolution, the item of "Image Ratio" is disabled.
- One of DCR, Color Boost, and Picture Boost functions is activated; the other two functions are turned off accordingly.

Luminance



- 1. Press (M) (menu) to display menu.
- 2. Press + or to select (Luminance), and press (ENTER) to enter.
- 3. Press + or to select submenu, and press ENTER (ENTER) to enter.
- 4. Press + or to adjust.
- 5. Press EXIT (EXIT) to exit.

Main Menu	Sub Menu Item			Description
	Brightness	0-100		Backlight Adjustment.
	Contrast	0-100		Contrast from Digital-register.
		Standard	>	Standard Mode.
		Text	T	Text Mode.
	Fco mode	Internet		Internet Mode.
Luminance	Leo mode	Internet	ففق	Game Mode.
-O-		Movie	(0,)	Movie Mode.
		Sports	3	Sports Mode.
	Gamma	Gamma 1		Adjust to Gamma 1.
		Gamma 2		Adjust to Gamma 2.
		Gamma 3		Adjust to Gamma 3.
		Off		Disable dynamic contrast ratio.
	DCR	On	DCR	Enable dynamic contrast ratio.

Image Setup



- 1. Press (M) (menu) to display menu.
- 2. Press + or to select (Image Setup), and press ENTER (ENTER) to enter.
- 3. Press + or to select submenu, and press ENTER (ENTER) to enter.
- 4. Press + or to adjust.
- 5. Press EXIT (EXIT) to exit.

Main Menu	Sub Menu Item		Description
	Clock	0-100	Adjust picture Clock to reduce Vertical-Line noise.
Image Setup	Phase	0-100	Adjust Picture Phase to reduce Horizontal-Line noise.
	Sharpness	0-100	Adjust picture sharpness.
	H.Position	0-100	Adjust the horizontal position of the picture.
	V.Position	0-100	Adjust the vertical position of the picture.

Color Setup



- 1. Press (M) (menu) to display menu.
- 2. Press + or to select (Color Setup), and press (ENTER) to enter.
- 3. Press + or to select submenu, and press ENTER (ENTER) to enter.
- 4. Press + or to adjust.
- 5. Press EXIT (EXIT) to exit.

Main Menu	Sub Menu Item			Description
	Color Setup	Warm		Recall Warm Color Temperature from EEPROM.
		Normal		Recall Normal Color Temperature from EEPROM.
		Cool		Recall Cool Color Temperature from EEPROM.
Color Setup		sRGB		Recall SRGB Color Temperature from EEPROM.
		User	Red	Red Gain from Digital-register.
			Green	Green Gain Digital-register.
			Blue	Blue Gain from Digital-register.
	DCB Mode	Full Enhance	on or off	Disable or Enable Full Enhance Mode.
		Nature Skin	on or off	Disable or Enable Nature Skin Mode.
		Green Field	on or off	Disable or Enable Green Field Mode.
		Sky-blue	on or off	Disable or Enable Sky-blue Mode.
		AutoDetect	on or off	Disable or Enable AutoDetect Mode.
	DCB Demo		on or off	Disable or Enable Demo.

Picture Boost



- 1. Press (M) (menu) to display menu.
- 2. Press + or to select (Picture Boost), and press ENTER (ENTER) to enter.
- 3. Press + or to select submenu, and press ENTER (ENTER) to enter.
- 4. Press + or to adjust.
- 5. Press EXIT (EXIT) to exit.

Main Menu	Sub Menu Item	Description		
	Frame Size	14-100	Adjust Frame Size.	
Picture Boost	Brightness	0-100	Adjust Frame Brightness.	
	Contrast	0-100	Adjust Frame Contrast.	
	H. position	0-100	Adjust Frame horizontal position.	
	V. position	0-100	Adjust Frame vertical position.	
	Bright Frame	on or off	Disable or Enable Bright Frame.	

OSD Setup



- 1. Press (M) (menu) to display menu.
- 2. Press + or to select (OSD Setup), and press ENTER (ENTER) to enter.
- 3. Press + or to select submenu, and press ENTER (ENTER) to enter.
- 4. Press + or to adjust.
- 5. Press EXIT (EXIT) to exit.

Main Menu	Sub Menu Item		Description
OSD Setum	H. Position	0-100	Adjust the horizontal position of OSD.
OSD Setup	V. Position	0-100	Adjust the vertical position of OSD.
	Timeout	5-120	Adjust the OSD Timeout.
	Transparence	0-100	Adjust the transparence of OSD.
	Language		Select the OSD language.

Extra



- 1. Press (M) (menu) to display menu.
- 2. Press + or to select (Extra), and press (ENTER) to enter.
- 3. Press + or to select submenu, and press ENTER (ENTER) to enter.
- 4. Press + or to adjust.
- 5. Press EXIT (EXIT) to exit.

Main Menu	Sub Menu Item	Description		
	Input Select	Auto/Analog	Select input signal source.	
	Auto Config	yes or no	Auto adjust the picture to default.	
Extra	Off timer	0-24hrs	Select DC off time.	
	Image Ratio	wide or 4:3	Select wide or 4:3 format for display.	
	DDC-CI	yes or no	Turn ON/OFF DDC-CI Support.	
	Reset	yes or no	Reset the menu to default.	
	Information		Show the information of the main image and sub-	
	IIIIOIIIIauoii		image source.	

Exit



- 1. Press (M) (menu) to display menu.
- 2. Press + or to select (Exit), and press ENTER (ENTER) to enter.

Main Menu	Sub Menu Item	Description
Exit		
\	Exit	Exit the main OSD.

LED INDICATOR

Status	LED Color
Full Power Mode	White
Active-off Mode	Off

STARTING WITH ANDROID

This Smart Monitor is embedded with Android operating system, that it can work individually without connecting a PC.

- 1. Press the (s) (source) key to display the source list.
- 2. Select [Android] and press ENTER (ENTER) to confirm the selection.
- 3. Press the (M) (menu) key to display the selections.





The descriptions for function control:

Icon	Description		
Q Search	Shortcut for Google Search		
\bigoplus	Back to previous page		
	Back to Android Home Screen		
	Display recently used application		
***	Application Gallery		
9:07	Notification / Local Time / Settings		

CUSTOMIZING YOUR HOME SCREEN

Adding application icons, shortcuts, or widgets to the home screen as your preference. You can also change the wallpaper.

· Add an item to the Home Screen:

- 1. Click on the icon to view the application gallery.
- 2. Select [APPS] or [WIDGETS].
- Click and hold the item until it enlarged. Drag the item to the place you preferred on the Home Screen.

· Move an item on the Home Screen:

- 1. Click and hold the item until it enlarged.
- 2. Drag the item to the place you preferred on the Home Screen.

· Remove an item from the Home Screen:

- 1. Click and hold the item until it enlarged. The Trash Can icon displayed.
- 2. Drag the item to the Trash Can icon to remove the item from the Home Screen.

VIEWING THE APPS GALLERY

- 1. Click on the icon to view the applications.
- 2. Click on the application to open it.
- 3. Click on the icon to return to the Home Screen, or click on the return to the previous screen.

BROWSING THE INTERNET

· Open a webpage:

- 1. On the Home Screen, click Prowser.
- 2. Click the URL box at the top of the Browser. The on-screen keyboard displayed.
- 3. Enter the URL address to open the webpage.

· Set the homepage:

- 1. Click on the icon at the top-right of the screen when browsing the web.
- 2. Edit the informations and click [OK] to bookmark this page.
- 3. Select [Settings] > [General] > [Set homepage] and select the [Current page] to set the current page as your home page.

Add to bookmark:

- 1. Click on the \(\frac{1}{2} \) icon at the right of the URL box when browsing the web.
- 2. Select [BOOKMARKS] > [Add bookmark] to add the current page to your bookmark.

USING THE ON-SCREEN KEYBOARD

Enter text:

- 1. Click on a text filed. The on-screen keyboard opens.
- 2. Click on the keys to type.

Key	Description	Key	Description
•	Switch to upper case letters.	[分]	Switch to upper case letters.
中文 English	Switch the keyboard language.	#\$%	Switch to the symbol keyboard
\	Hide the on-screen keyboard.		

CONNECTING TO NETWORK

Turn on Wi-Fi and connect to the Wi-Fi network:

- 1. Click on the Settings at the bottom-right of the screen. Click on the [Settings] to open the sub-menu.
- 2. Select [Wireless & networks], and check [Wi-Fi] to turn it on.
- 3. Select [Wi-Fi settings] > [Network notification] to scan for available Wi-Fi networks nearby. The secured networks are indicated with a lock icon.
- Touch a network to connect it automatically, or touch [Add Wi-Fi network] to add new network manually.
- If the network is open, touch [Connect] to confirm for connecting to the network on the prompted window.
- If the network is secured, enter the password and touch [Connect] on the prompted window for connecting to the secured network.

· Set the Ethernet for network:

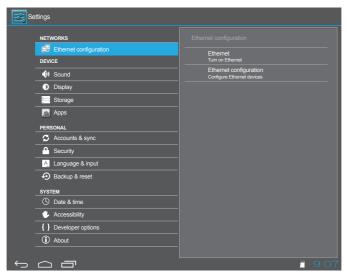
- 1. Click on the SiOT at the bottom-right of the screen. Click on the [Settings] to open the sub-menu.
- 2. Select [Ethernet configuration], and check [Ethernet] to turn on the Ethernet.
- 3. Select [Ethernet configuration] to open the setting menu.
- 4. Set the [Ethernet Devices], [Connection Type] and enter the network informations.
- 5. Click [Save] to confirm.

· Set the PPPoE for network:

- 1. Click on the SiOT at the bottom-right of the screen. Click on the [Settings] to open the sub-menu.
- 2. Select [PPPoE configuration] to open the setting menu.
- Enter the [Input Account] and [Input Password], and then press [Connect] for connecting the network.

ADJUSTING THE SETTINGS FOR ANDROID

Click on the Settings at the bottom-right of the screen. Click on the [Settings] to open the sub-menu.



Main Menu Sub Menu Item		Description				
NETWORKS						
Wireless & networks	Wi-Fi	Turn on or off the Wi-Fi.				
	Wi-Fi settings	Manage the Wi-Fi network. Search and connect to the available networks.				
	Ethernet	Turn on or off the Ethernet.				
Ethernet configuration	Ethernet configuration	Set the connection type and connect to the available Ethernet.				
PPPoE configuration		Enter the account and password for connecting to the network.				
DEVICE						
Sound	Volume	Adjust the volume.				
	Notifications	Set the notification ring tone.				
Display	Sleep	Set the sleep timer.				
	Font size	Select the preferred font size.				
Storage	Available spaces	View the available storage space.				
Apps	Downloaded	View the downloaded applications.				
	On SD card	Manage the applications stored on the SD card or internal storage.				
	Running	View the running applications.				
	All	View all the applications.				

Main Menu	Sub Menu Item	Description			
PERSONAL					
Account & sync		Synchronize the informations from different accounts.			
Security	Screen security	Set the screen lock.			
	Password	Check for displaying the password while entering the password.			
	Credential storage	Display the certificates.			
Language & input	Select language	Select the display language for your device and set the keyboard settings.			
Backup & reset	Backup & restore	Backup your data and settings. Restore the backed up data when reinstall the application.			
	Personal Data	Erase all data from your devices, including your Google account, system and application data and settings, and downloaded applications.			
SYSTEM					
	Automatic data & time	Check for using the information form the network automatically. Unchecked for entering the information manually.			
	Set date	Set the date.			
Date & time	Set time	Set the time.			
	Select time zone	Select the time zone for current region.			
	Use 24-hour format	Set the time format to 24-hour.			
	Select date format	Select the preference date format.			
Accessibility	Services	Display the installed services.			
	System	Set the allowance for installing web scripts.			
Developer options	User interface	Set your preferred interface.			
	Apps				
About	System updates, Status, Legal information, Android version, Kernel version, and Build number:	View the informations for the device.			

DRIVER

MONITOR DRIVER

Windows 8

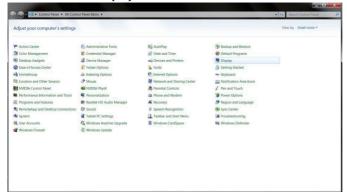
- 1. Start Windows® 8
- 2. Right click and click All apps at the bottom-right of the screen.
- 3. Set the "View by" to "Large icons" or "Small icons".
- 4. Click on the "Display" icon.
- 5. Click on the "Change display settings" button.
- 6. Click the "Advanced Settings" button.
- 7. Click the "Monitor" tab and then click the "Properties" button.
- 8. Click the "Driver" tab.
- Open the "Update Driver Software-Generic PnP Monitor" window by clicking on "Update Driver..." and then click the "Browse my computer for driver software" button.
- 10. Select "Let me pick from a list of device drivers on my computer".
- 11. Click the "Have Disk" button. Click on the "Browse" button and navigate to the following directory:
 - X:\Driver\module name (where X is the drive letter designator for the CD-ROM drive).
- 12. Select the "xxx.inf" file and click the "Open" button. Click the "OK" button.
- 13. Select your monitor model and click the "Next" button. The files will be copied from the CD to your hard disk drive.
- 14. Close all open windows and remove the CD.
- 15. Restart the system. The system will automatically select the maximum refresh rate and corresponding Color Matching Profiles.

Windows 7

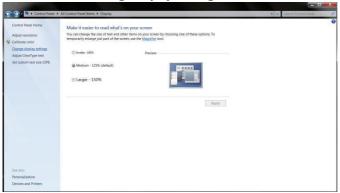
- 1. Start Windows® 7
- 2. Click on the "Start" button and then click on "Control Panel".



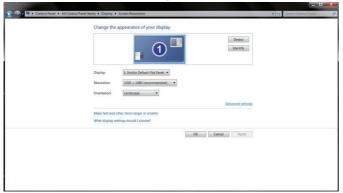
3. Click on the "Display" icon.



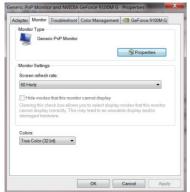
4. Click on the "Change display settings" button.



5. Click the "Advanced Settings" button.



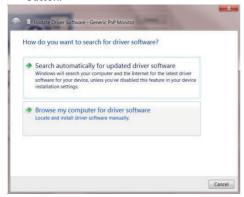
6. Click the "Monitor" tab and then click the "Properties" button.



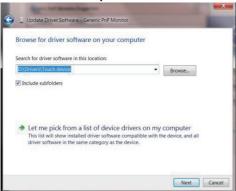
7. Click the "Driver" tab.



 Open the "Update Driver Software-Generic PnP Monitor" window by clicking on "Update Driver..." and then click the "Browse my computer for driver software" button.



9. Select "Let me pick from a list of device drivers on my computer".



10. Click the "Have Disk" button. Click on the "Browse" button and navigate to the following directory:

X:\Driver\module name (where X is the drive letter designator for the CD-ROM drive).



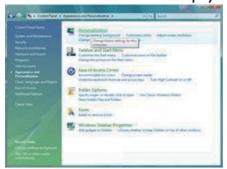
- 11. Select the "xxx.inf" file and click the "Open" button. Click the "OK" button.
- Select your monitor model and click the "Next" button. The files will be copied from the CD to your hard disk drive.
- 13. Close all open windows and remove the CD.
- 14. Restart the system.The system will automatically select the maximum refresh rate and corresponding Color Matching Profiles.

Windows Vista

1. Click "Start" and "Control Panel". Then, double-click on "Appearance and Personalization".



2. Click "Personalization" and then "Display Settings".





3. Click "Advanced Settings...".

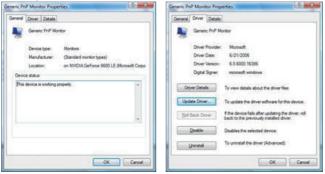


4. Click "Properties" in the "Monitor" tab. If the "Properties" button is deactivated, it means the configuration for your monitor is completed. The monitor can be used as is.

If the message "Windows needs..." is displayed, as shown in the figure below, click "Continue".



5. Click "Update Driver..." in the "Driver" tab.



6. Check the "Browse my computer for driver software" checkbox and click "Let me pick from a list of device drivers on my computer".



- 7. Click on the "Have disk..." button, then click on the "Browse..." button and then select the appropriate drive
 - F:\Driver (CD-ROM Drive).
- 8. Select your monitor model and click on the "Next" button.
- 9. Click "Close" > "Close" > "OK" > "OK" on the following screens displayed in sequence.

Windows 2000

- 1. Start Windows® 2000.
- 2. Click on the "Start" button, point to "Settings", and then click on "Control Panel".
- 3. Double click on the "Display" Icon.
- 4. Select the "Settings" tab then click on "Advanced...".
- 5. Select "Monitor"
 - If the "**Properties**" button is inactive, it means your monitor is properly configured. Please stop installation.
 - If the "**Properties**" button is active. Click on "**Properties**" button. Please follow the steps given below.
- 6. Click on "Driver" and then click on "Update Driver..." then click on the "Next" button.
- 7. Select "Display a list of the known drivers for this device so that I can choose a specific driver", then click on "Next" and then click on "Have disk...".
- 8. Click on the "Browse..." button then select the appropriate drive F: (CD-ROM Drive).
- 9. Click on the "Open" button, then click on the "OK" button.
- 10. Select your monitor model and click on the "Next" button.
- 11. Click on the "Finish" button then the "Close" button.

 If you can see the "Digital Signature Not Found" window, click on the "Yes" button.

Windows ME

- 1. Start Windows® Me
- 2. Click on the "Start" button, point to "Settings", and then click on "Control Panel".
- 3. Double click on the "Display" Icon.
- 4. Select the "Settings" tab then click on "Advanced...".
- 5. Select the "Monitor" button, then click on "Change..." button.
- 6. Select "Specify the location of the driver (Advanced)" and click on the "Next" button.
- 7. Select "Display a list of all the drivers in a specific location, so you can choose the driver you want", then click on "Next" and then click on "Have Disk...".
- 8. Click on the "Browse..." button, select the appropriate drive F: (CD-ROM Drive) then click on the "OK" button.
- 9. Click on the "OK" button, select your monitor model and click on the "Next" button.
- 10. Click on "Finish" button then the "Close" button.

I-MENU



Welcome to "i-Menu" software by AOC. i-Menu makes it easy to adjust your monitor display setting by using on screen menus instead of the OSD button on the monitor. To complete installation, please follow the installation guide.



E-SAVER



Welcome to use AOC e-Saver monitor power management software! The AOC e-Saver features Smart Shutdown functions for your monitors, allows your monitor to timely shutdown when PC unit is at any status (On, Off, Sleep or Screen Saver); the actual shutdown time depends on your preferences (see example below).

Please click on "driver/e-Saver/setup.exe" to start installing the e-Saver software, follow the install wizard to complete software installation.

Under each of the four PC statuses, you may choose the desired time (in minutes) from the pull-down menu for your monitor to automatically shutdown. The example below illustrated:

- 1. The monitor will never shutdown when the PC is powered on.
- 2. The monitor will automatically shutdown 5 minutes after the PC is powered off.
- 3. The monitor will automatically shutdown 10 minutes after the PC is in sleep/stand-by mode.
- 4. The monitor will automatically shutdown 20 minutes after the screen saver appears.



You can click "RESET" to set the e-Saver to its default settings like below.



SCREEN+



Welcome to "Screen+" software by AOC. Screen+ software is a desktop screen splitting tool; it splits the desktop into different panels, and each panel displays a different window. You only need to drag the window to a corresponding panel when you want to access it. It supports multiple monitor display to make your task easier. Please follow the installation software to install it.



TECHNICAL SUPPORT (FAQ)

TROUBLESHOOT

Problem & Question	Possible Solution
Power LED is not on	Make sure the power button is ON and the Power Cord is properly connected to a grounded power outlet and to the monitor:
No images on the screen	 Is the power cord connected properly? Check the power cord connection and power supply. Is the cable connected correctly? (Connected using the D-sub cable) Check the DB-15 cable connection. (Connected using the DVI cable) Check the DVI cable connection. * DVI input is not available on every model. If the power is on, reboot the computer to see the initial screen (the login screen), which can be seen. If the initial screen (the login screen) appears, boot the computer in the applicable mode (the safe mode for Windows ME/2000) and then change the frequency of the video card. (Refer to the Setting the Optimal Resolution) If the initial screen (the login screen) does not appear, contact the Service Center or your dealer. Can you see "Input Not Supported" on the screen? You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly. Make sure the AOC Monitor Drivers are installed.
Picture Is Fuzzy & Has Ghosting Shadowing Problem	Adjust the Contrast and Brightness Controls. Press to auto adjust. Make sure you are not using an extension cable or switch box. We recommend plugging the monitor directly to the video card output connector on the back.
Picture Bounces, Flickers Or Wave Pattern Appears In The Picture	 Move electrical devices that may cause electrical interference as far away from the monitor as possible. Use the maximum refresh rate your monitor is capable of at the resolution you are using.
Monitor Is Stuck In Active Off-Mode"	The Computer Power Switch should be in the ON position. The Computer Video Card should be snugly fitted in its slot. Make sure the monitor's video cable is properly connected to the computer. Inspect the monitor's video cable and make sure no pin is bent. Make sure your computer is operational by hitting the CAPS LOCK key on the keyboard while observing the CAPS LOCK LED.The LED should either turn ON or OFF after hitting the CAPS LOCK key.
Missing one of the primary colors (RED, GREEN, or BLUE)	 Inspect the monitor's video cable and make sure that no pin is damaged. Make sure the monitor's video cable is properly connected to the computer.

Problem & Question	Possible Solution
Screen image is not centered or sized properly	Adjust H-Position and V-Position or press hot-key (AUTO).
Picture has color defects (white does not look white)	Adjust RGB color or select desired color temperature.
Horizontal or vertical disturbances on the screen	Use Windows 95/98/2000/ME shut-down mode to adjust CLOCK and PHASE. Press to auto-adjust.

CLOCK (pixel frequency) controls the number of pixels scanned by one horizontal sweep. If the frequency is not correct, the screen shows vertical stripes and the picture has not correct width.

PHASE adjusts the phase of the pixel clock signal. With a wrong phase adjustment the picture has horizontal disturbances in light picture.

For PHASE and CLOCK adjustment use "dot-pattern" or Windows XP/VISTA/7 shut-down mode pattern.

ERROR MESSAGE & POSSIBLE SOLUTION

No Signal

- Check that the signal-cable is properly connected. If the connector is loose, tighten the connector's screws.
- 2. Check the signal-cable's connection pins for damage.

Input Not Support

Your computer has been set to unsuitable display mode, set the computer to display mode given in the following table on page 34.

APPENDIX

PLUG AND PLAY

Plug & Play DDC2B Feature

This monitor is equipped with VESA DDC2B capabilities according to the VESA DDC STANDARD. It allows the monitor to inform the host system of its identity and, depending on the level of DDC used, communicate additional information about its display capabilities.

The DDC2B is a bidirectional data channel based on the I²C protocol. The host can request EDID information over the DDC2B channel.

THIS MONITOR WILL APPEAR TO BE NON-FUNCTIONAL IF THERE IS NO VIDEO INPUT SIGNAL. IN ORDER FOR THIS MONITOR TO OPERATE PROPERLY, THERE MUST BE A VIDEO INPUT SIGNAL.

This monitor meets the Green monitor standards as set by the Video Electronics Standards Association (VESA) and The Swedish Confederation Employees (NUTEK). This feature is designed to conserve electrical energy by reducing power consumption when there is no video-input signal present. When there is no video input signal this monitor, following a time-out period, will automatically switch to an Standby mode. This reduces the monitor's internal power supply consumption. After the video input signal is restored, full power is restored and the display is automatically redrawn. The appearance is similar to a "Screen Saver" feature except the display is completely off. The display is restored by pressing a key on the keyboard, or clicking the mouse.

SPECIFICATIONS

	Driving system	21.5"TFT Color LCD	
LCD Panel	Size	546.86mm diagonal	
	Pixel Pitch	0.248mm(H) × 0.248mm(V)	
	\/idaa	R, G, B Analog Interface	
	Video	Digital	
Input	Separate Sync.	H/VTTL	
	H-Frequency	30kHz – 83kHz	
	V-Frequency	56-75Hz	
Display Colors		16.7M Colors	
Dot Clock		170MHz	
Max. Resolution		1920 x 1080@60Hz	
Plug & Play		VESA DDC2B™	
LAN Speed		10/100Mbps	
	ON Mode	≤ 48W	
Power Consumption	Standby Mode	≤ 0.5W	
	OFF Mode	≤ 0.5W	
la-vit Comment		D-Sub 15pin	
Input Connector		HDMI 19pin	
Input Video Signal		Analog: 0.7Vp-p(standard), 75 OHM, Positive	
Iliput video signal		HDMI: 0.7Vp-p (standard), 75 OHM, Positive	
Maximum Screen Size		Horizontal: 476.6mm	
		Vertical: 268.1mm	
Power Source		100~240VAC, 50/60Hz	
Environmental Considerations		Operating Temp: 0° to 40°C	
		Storage Temp.: -20° to 60°C	
		Operating Humidity: 15% to 90%	
Dimensions		550.24(W)x328.11(H)x51(D)mm	
Weight (N.W.):		5kg	
Power Consumption (Max)		48 Watts	
Regulatory Compliance		CCC	

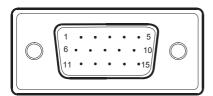
TOUCH SCREEN SPECIFICATIONS

Touch Technology		Optical Touch	
Touch Method		Finger(s) / stylus	
Stylus Diameter		Minimum: 9 mm	
Resolution			
Accuracy		+/- 2.5 mm over 95% of coverage	
	Microsoft Windows 7	Multi-touch (plug & play)	
OS Compatibility	Microsoft Windows Vista	Single touch + Gesture	
	Microsoft Windows XP	Single touch + Gesture	

PRESET DISPLAY MODES

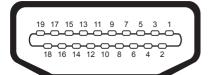
STANDARD	RESOLUTION	HORIZONTAL FREQUENCY (KHz)	VERTICAL FREQUENCY (Hz)
VGA	640x480@60Hz	31.469	59.940
	640x480@72Hz	37.861	72.809
	640x480@75Hz	37.500	75.00
	800x600@56Hz	35.156	56.250
SVGA	800x600@60Hz	37.879	60.317
SVGA	800x600@72Hz	48.077	72.188
	800x600@75Hz	46.875	75.000
	1024×768@60Hz	48.363	60.004
XGA	1024×768@70Hz	56.476	70.069
	1024×768@75Hz	60.023	75.029
MANCAL	1440×900@60Hz	55.935	59.887
WXGA+	1440×900@75Hz	70.635	74.984
WSXGA	1680×1050@60Hz	65.290	59.954
WSAGA	1680×1050@60Hz	64.674	59.883
HD	1920×1080@60Hz	67.500	60.000
27.24	1280×1024@60Hz	63.981	60.020
SXGA	1280×1024@75Hz	79.976	75.025
***	1152×864@75HZ	67.500	75.000
4444	1280×720@60HZ	44.772	59.855
IBM MODES			
DOS	640x350@70Hz	31.469	70.087
DOS	720x400@70Hz	31.469	70.087
MAC MODES			
VGA	640x480@67Hz	35.000	66.667
SVGA	832x624@75Hz	49.725	74.551

PIN ASSIGNMENTS



15 - Pin Color Display Signal Cable

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	Red	9.	+5V
2.	Green	10.	Ground
3.	Blue	11.	Ground
4.	Ground	12.	DDC-Serial Data
5.	Detect Cable	13.	H-Sync
6.	R-Ground	14.	V-Sync
7.	G-Ground	15.	DDC-Serial Clock
8.	B-Ground		



19 - Pin Color Display Signal Cable

PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1.	TMDS Data 2+	11.	TMDS data Shield
2.	TMDS Data 2 Shield	12.	TMDS data ck-
3.	TMDS Data 2-	13.	CEC
4.	TMDS data 1+	14.	N.C
5.	TMDS data 1 Shield	15.	DDC SCL
6.	TMDS data 1-	16.	DDC CLK
7.	TMDS data 0+	17.	DDC/CEC Ground
8.	TMDS data 0 Shield	18.	+5 V Power
9.	TMDS data 0-	19.	Hot Plug Detect
10.	TMDS data ck+		

REGULATION

FCC NOTICE

FCC Class B Radio Frequency Interference Statement WARNING: (FOR FCC CERTIFIED MODELS)

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

NOTICE:

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference. It is the responsibility of the user to correct such interference.

WEEE DECLARATION

Disposal of Waste Equipment by Users in Private Household in the European Union.



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

WEEE DECLARATION FOR INDIA



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

For more information about where you can drop off your waste equipment for recycling in India, please visit the below web link.

www.aocindia.com/ewaste.php

EPEAT DECLARATION



EPEAT is a system to help purchasers in the public and private sectors evaluate, compare and select desktop computers, notebooks and monitors based on their environmental attributes. EPEAT also provides a clear and consistent set of performance criteria for the design of products, and provides an opportunity for manufacturers to secure market recognition for efforts to reduce the environmental impact of its products.

AOC believes in protecting the environment.

With a key concern for the conservation of natural resources, as well as landfill protection, AOC announces the launch of AOC monitor's packaging recycling program. This program is designed to help you discard of your monitor carton and filler materials properly. If a local recycling center is not available, AOC will recycle the packaging material for you, including foam filler and carton. AOC Display solution will only recycle AOC monitor packaging. Please refer to the following website address:

Only for North and South American, excluding Brazil:

http://us.aoc.com/about/environmental_impact

For Germany:

http://www.aoc-europe.com/en/service/tco.php

For Brazil:

http://www.aoc.com.br/2007/php/index.php?req=pagina&pgn_id=134

SERVICE

WARRANTY STATEMENT FOR EUROPE

LIMITED THREE-YEAR WARRANTY*

AOC Color Monitors sold within Europe

AOC International (Europe) GmbH warrants this product to be free from defects in material and workmanship for a period of Three (3) years after the original date of consumer purchase. During this period, AOC International (Europe) GmbH will, at its option, either repair the defective product with new or rebuilt parts, or replace it with a new or rebuilt product at no charge except as *stated below. The defective products that are replaced become the property of AOC International (Europe) GmbH.

If the product appears to be defective, please contact your local dealer or refer to the warranty card when attached to the product.

Deliver the product freight pre-paid, along with the dated proof of purchase, to the AOC Authorized Service Center. If you cannot deliver the product in person:

- · Pack it in its original shipping container (or equivalent)
- Put the RMA number on the address label
- Put the RMA number on the shipping carton
- · Insure it (or assume the risk of loss/damage during shipment)
- · Pay all shipping charges

AOC International (Europe) GmbH is responsible neither for any damage or loss during inbound transport damage nor to inbound product that was not properly packaged.

AOC International (Europe) GmbH will pay the return shipping charges within one of the countries specified within this warranty statement. AOC International (Europe) GmbH is not responsible for any costs associated with the transportation of product across international borders. This includes the international border within the European Union.

- *This limited warranty does not cover any losses or damages that occur as a result of
 - Shipping or improper installation or maintenance
 - Misuse
 - Neglect
 - · Any cause other than ordinary commercial or industrial application
 - · Adjustment by non-authorized source
 - Repair, modification, or installation of options or parts by anyone other than an AOC Authorized Service Center
 - · Improper environment
 - Excessive or inadequate heating or air conditioning or electrical powers failures, surges, or other irregularities

This limited warranty does not cover any of the product firmware or hardware that you or any third party have modified or altered; you bear the sole responsibility and liability for any such modification or alteration.

ALL EXPRESS AND IMPLIED WARRANTIES FOR THIS PRODUCT (INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED IN DURATION TO A PERIOD OF THREE (3) YEARS FOR PARTS AND LABOR FROM THE ORIGINAL DATE OF CONSUMER PURCHASE. NO WARRANTIES (EITHER EXPRESSED OR IMPLIED) APPLY AFTER THIS PERIOD.

AOC INTERNATIONAL (EUROPE) GMBH OBLIGATIONS AND YOUR REMEDIES HEREUNDER ARE SOLELY AND EXCLUSIVELY AS STATED HERE.AOC INTERNATIONAL (EUROPE) GMBH LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL UNIT WHOSE DEFECT OR DAMAGE IS THE BASIS OF THE CLAIM. IN NO EVENT SHALL AOC INTERNATIONAL (EUROPE) GMBH BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF USE OR FACILITIES OR EQUIPMENT, OR OTHER INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. ALTHOUGH THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, YOU MAY HAVE OTHER RIGHTS, WHICH MAY VARY FROM COUNTRY TO COUNTRY. THIS LIMITED WARRANTY IS ONLY VALID FOR PRODUCTS PURCHASED IN THE MEMBER COUNTRIES OF THE EUROPEAN UNION.

Information in this document is subject to change without notice.

For more details, please visit: http://www.aoc-europe.com/en/service/index.php

WARRANTY STATEMENT FOR NORTH & SOUTH AMERICA (EXCLUDING BRAZIL)

WARRANTY STATEMENT for AOC Color Monitors

Including those Sold within North America as Specified

Envision Peripherals, Inc. warrants this product to be free from defects in material and workmanship for a period of three (3) years for parts & labor and one (1) year for CRT Tube or LCD Panel after the original date of consumer purchase. During this period, EPI (EPI is the abbreviation of Envision Peripherals, Inc.) will, at its option, either repair the defective product with new or rebuilt parts, or replace it with a new or rebuilt product at no charge except as *stated below. The parts or product that are replaced become the property of EPI.

In the USA to obtain service under this limited warranty, call EPI for the name of the Authorized Service Center closest to your area. Deliver the product freight pre-paid, along with the dated proof of purchase, to the EPI Authorized Service Center. If you cannot deliver the product in person:

- · Pack it in its original shipping container (or equivalent)
- Put the RMA number on the address label
- Put the RMA number on the shipping carton
- Insure it (or assume the risk of loss/damage during shipment)
- · Pay all shipping charges

EPI is not responsible for damage to inbound product that was not properly packaged.

EPI will pay the return shipment charges within one of the countries specified within this warranty statement. EPI is not responsible for any costs associated with the transportation of product across international borders. This includes the international borders of the countries within this warranty statements.

In the United States and Canada contact your Dealer or EPI Customer Service, RMA Department at the toll free number (888) 662-9888. Or you can request an RMA Number online at www.aoc.com/na-warranty.

- *This limited warranty does not cover any losses or damages that occur as a result of:
 - Shipping or improper installation or maintenance
 - Misuse
 - Neglect
 - · Any cause other than ordinary commercial or industrial application
 - · Adjustment by non-authorized source
 - Repair, modification, or installation of options or parts by anyone other than an EPI Authorized Service Center
 - Improper environment
 - Excessive or inadequate heating or air conditioning or electrical power failures, surges, or other irregularities

This three-year limited warranty does not cover any of the product's firmware or hardware that you or any third party have modified or altered; you bear the sole responsibility and liability for any such modification or alteration.

ALL EXPRESS AND IMPLIED WARRANTIES FOR THIS PRODUCT (INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED IN DURATION TO A PERIOD OF THREE (3) YEARS FOR PARTS AND LABOR AND ONE (1) YEAR FOR CRT TUBE OR LCD PANEL FROM THE ORIGINAL DATE OF CONSUMER PURCHASE. NO WARRANTIES (EITHER EXPRESSED OR IMPLIED) APPLY AFTER THIS PERIOD. IN THE UNITED STATES OF AMERICA, SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

EPI OBLIGATIONS AND YOUR REMEDIES HEREUNDER ARE SOLELY AND EXCLUSIVELY AS STATED HERE. EPI' LIABILITY, WHETHER BASED ON CONTRACT, TORT. WARRANTY, STRICT LIABILITY, OR OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL UNIT WHOSE DEFECT OR DAMAGE IS THE BASIS OF THE CLAIM. IN NO EVENT SHALL ENVISION PERIPHERALS, INC. BE LIABLE FOR ANY LOSS OF PROFITS, LOSS OF USE OR FACILITIES OR EQUIPMENT OR OTHER INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGE. IN THE UNITED STATES OF AMERICA, SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. ALTHOUGH THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

In the United States of America, this limited warranty is only valid for Products purchased in the Continental United States, Alaska, and Hawaii.

Outside the United States of America, this limited warranty is only valid for Products purchased in Canada.

Information in this document is subject to change without notice.

For more details, please visit:

- USA: http://us.aoc.com/support/find_service_center
- ARGENTINA: http://ar.aoc.com/support/find service center
- BOLIVIA: http://bo.aoc.com/support/find_service_center
- CHILE: http://cl.aoc.com/support/find_service_center
- COLOMBIA: http://co.aoc.com/support/find_service_center
- COSTA RICA: http://cr.aoc.com/support/find_service_center
- DOMINICAN REPUBLIC: http://do.aoc.com/support/find_service_center
- ECUADOR: http://ec.aoc.com/support/find_service_center
- EL SALVADOR: http://sv.aoc.com/support/find_service_center
- GUATEMALA: http://gt.aoc.com/support/find-service-center
- HONDURAS: http://hn.aoc.com/support/find-service-center
- NICARAGUA: http://ni.aoc.com/support/find_service_center
- PANAMA: http://pa.aoc.com/support/find_service_center

- PARAGUAY: http://py.aoc.com/support/find-service-center
- PERU: http://pe.aoc.com/support/find-service-center
- URUGUAY: http://pe.aoc.com/support/find-service-center
- VENEZUELA: http://ve.aoc.com/support/find_service_center
- IF COUNTRY NOT LISTED: http://latin.aoc.com/support/find_service_center