

User's Guide

XM7-19w LCD Monitor



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Table of Contents

С	E Marking Declaration Of Conformity	4
F	ederal Communications Commission (FCC) Statement	5
	nportant Safety Instructions	
•••		
1	Introduction	
•		0
	Features	
	Package Contents	
	Front View and Controls	
2	Installation	
_	Connecting Your LCD Monitor to a Computer	12
	Method 1 : Analog (D-SUB) Connection	
	Method 2 : Digital (DVI) Connection)	
	Installing Your LCD Monitor	
3	OSD Menu	
-	Using the OSD Menu	20
	The OSD Options	
	The picture Options	
	The advanced Options	
	The audio Options	
	The options Options	
	The utilities Options	
4	Technical Information	
	Preset Mode Timing Chart	27
	DVI Connector PIN Assignment	
	D-SUB Connector PIN Assignment	29
	Plug and Play	
	Visual Inspection	
	Troubleshooting	
	Specifications	
	Authorized Service Centers	

Recycling Place

EUROPE

When disposing of Xerox Branded Monitors in Europe, please contact one of the following three locations to make arrangements for recycling.

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When disposing of Xerox Branded Monitors in Asia, please contact the following location to make arrangements for recycling.

 Proview Technology (ShenZhen) Co., Ltd. North Block 21, 23# Shatoukok Free Trade Zone, ShenZhen, China. Mr. Dennis Chang Tel: +86-755-2526-1512 Fax: +86-755-2526-1565 Email:recycling@proview.com.cn

AMERICA

When disposing of Xerox Branded Monitors in America, please call the following location to make arrangements for recycling.

 Proview Technology, Inc. (U.S.A.) 7373 Hunt Avenue, Garden Grove, CA 92841 U.S.A. Patrick Yen Tel:714-799-3865 Fax:714-379-6290 Email:pyen@proview.net

"THIS DISPLAY UNIT IS AN ELECTRIC DEVICE WHICH MAY CONTAIN HAZARDOUS MATERIALS AND COMPONENTS, AND WHICH MUST BE DISPOSED OF AT END OF LIFE ACCORDING TO THE PROPER PROCEDURE"

CE Marking Declaration Of Conformity

This LCD monitor complies with the requirements of the EC Directive 89/336/EEC "EMC Directive" and 73/23/EEC "Low Voltage Directive" as amended by Directive 93/68/EEC. The electro-magnetic susceptibility has been chosen at a level that gives correct operation in residential areas, business and light industrial premises and small-scale enterprises, inside as well as outside of the buildings. All places of operation are characterized by their connection to the public low voltage power supply system. This equipment has been tested and found to comply with the limits of 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:

- 1. Reorient/Relocate the receiving antenna.
- 2. Increase the separation between the equipment and receiver.
- 3. Connect the equipment into an outlet on a circuit which is different from what the receiver is connected to.
- 4. Consult the dealer or an experienced radio/TV technician for help.



CAUTION:

Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user authority to operate the equipment.

Important Safety Instructions

To prevent any injuries, the following safety precautions should be observed in the installation, use, servicing and maintenance of this equipment.

Before operating this equipment, please read this manual completely, and keep it nearby for future reference.

Warnings



- Do not place the equipment on any uneven or unstable carts, stands, tables, shelves etc. The equipment may fall, causing serious injury to children or adults and serious damage to the equipment itself.
- Use only a cart or stand recommended by the manufacturer. This equipment and recommended cart or stand should be handled with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart/stand to overturn.
- Do not disable the 3-wire grounding type plug. The grounding pin on the 3-prong plug is an important feature. Removing the grounding pin will increase the risk of damaging the equipment. If you can not fit the plug into the electrical outlet, contact an electrician to install a grounding outlet.
- Always operate this equipment from the type of power source indicated on the rear of the serial/model plate.
- Never overload wall outlets and extensions.
- Use and handle the power cord with care.
- Do not place any heavy objects on the AC power cord.
- Do not pull the AC power cord. Do not handle the AC power cord with a wet hand.

- Do not touch the power cord and antenna cable during lightning.
- Remove the plug from the wall outlet if the equipment will not be used for a long period of time.
- Do not place, use or handle this equipment near water.
- Never expose the equipment to liquid, rain, or moisture. Seek qualified service if any of the above is spilled into the equipment.
- · Do not attempt to service the equipment yourself.
- Opening and removing the covers may expose you to dangerous voltage or other hazards and may void your warranty. Refer service to qualified personnel.
- Always remove the power cord from the outlet before cleaning the equipment.
- Never use liquid or aerosol cleaners on the equipment. Clean only with a soft dry cloth.
- Do not expose the equipment to extreme temperature or to direct sunlight, as the equipment may heat up and suffer damage.
- Do not install the equipment near any heat sources such as radiators, heat registers, stoves, or any other apparatus that might produce heat.
- Do not block any ventilating openings. Leave an open space around the equipment.
- Never place the equipment :on a bed, sofa, rug, or any other similar surfaces; too close to drapes/curtains/walls, in a bookcase, built-in cabinet, or any other similar places that may cause poor ventilation.

(continued on next page)

 If any of the following conditions occur, unplug the power cord from the outlet and request service from qualified personnel.

a. The power cord or plug is damaged.

- b. Liquid is spilled into the product .
- c. An object falls onto or into the product.
- d. The product has been dropped or damaged.
- e. The product's display is abnormal.



DISPOSAL OF WASTE ELECTRONIC EQUIPMENT BY PRIVATE HOUSEHOLDS WITHIN THE EUROPEAN UNION

This sign indicates that this product may not be disposed of with your regular household waste. The recycling and separate collection of such products is your responsibility. Please drop off the above-mentioned waste at a designated place for recycling waste electrical and electronic equipment. If you do not know where to drop off your waste equipment for recycling, please contact your local city office or household waste collection service.

1 Introduction

Features



Rapid Video Response

Fast action media such as gaming, DVD and video conferencing will playback smoothly thanks to the rapid video response time of the LCD panel.



High Contrast Ratio

Vibrant colors, and dark black levels will improve your graphics, photos, or presentations making them life-like and realistic. High contrast levels further define picture detail providing rich saturated images.



Adjustable Ergonomic XStand[™]

XStand[™] is very flexible to make any adjustment comfortable for use. Users can tilt, swivel, pivot and adjust the height of the display. Just accommodate XM7 to your habit and preference.



Very High Resolution

The 19" wide screen has the outstanding 1440x900 resolution. It can make the image displayed more precise. XM7 is excellent to be your first wide screen monitor.



Multimedia Enhanced Speakers

It brings multimedia and saves the desktop space. XM7-19w has two built-in 2w stereo speakers and are well integrated into the stylish design.



Shield Protective Glass

The Shield provides extra LCD protection with sophisticated visual flair. The Shield is as hard as quartz (8H hardness) to protect the panel from scratch and enhance the display quality.



XInput[™] Signal Selection

XInput[™] allows having three concurrent sources (PC, Notebook, DVD or game console) share the same one display with simple pressing for switching. No more remove and attach cables all the time.



NOTE:

Your LCD monitor may come with D-SUB connector only or 2 D-SUB/1 DVI connectors.

Package Contents

Make sure the following items are in the box. If any items are missing, please return this product to the original place of purchase.



•

CAUTION:

Be sure to save original box and all packing material for future transport of monitor.

11

ENGLISH

Front View and Controls



Press once to display the OSD (On Screen Display). And press to activate the items you highlight .

2 DOWN/UP

In OSD mode, press the **DOWN/UP** buttons to move the selection highlight to the next menu item counterclockwise or clockwise, respectively. Adjusts the volume up and down.

Ο Αυτο

Press to automatically adjust the display settings to optimize performance based on the D-SUB signal.

🕑 LED

The LED light indicates when the LCD monitor is activated (blue light indicates power on and amber light indicates power saving).



Turns the LCD monitor on and off.



2 Installation

Refer to the owner's manual of the computer for connections. In the process of connecting external equipment, do not connect any AC power cords to wall outlets until all other connections are completed.

Connecting Your LCD Monitor to a Computer

Method 1 : Analog (D-SUB) Connection

- **1** Turn off the computer and unplug the power cord.
- **2** Connect the signal cable to the D-SUB port on the back of the computer.
- **3** Connect the audio cable to the line-in port on the back of the computer.
- 4 Connect the power cord to the LCD monitor and wall outlet.
- 5 Press the U button, located on the bottom side of the main unit to turn the monitor on, then turn the computer on. If the monitor displays an image, the monitor is successfully installed. If no image is displayed, check all connections.

ENGLISH





NOTE:

Your LCD monitor may come with D-SUB connector only or 2 D-SUB/1 DVI connectors.



NOTE:

Unplug the monitor before installation to avoid electric shock or damage.



NOTE:

The **U** button is used for switching the LCD monitor on and off, it does not disconnect the device from the main voltage. To completely disconnect the main voltage, please remove the power plug from the socket.



NOTE:

The LED indicator is blue or green when the monitor operates normally and will turn to amber when in power saving mode. When the monitor is off, the LED turns dark.

Method 2: Digital (DVI) Connection

- **1** Turn off the computer and unplug the power cord.
- **2** Connect the DVI signal cable (not included) to the DVI port on the back of the computer.
- **3** Connect the audio cable to the line-in port on the back of the computer.
- 4 Connect the power cord to the LCD monitor and wall outlet.
- 5 Press the U button, located on the bottom side of the main unit to turn the monitor on, then turn the computer on. If the monitor displays an image, the monitor is successfully installed. If no image is displayed, check all connections.
- **6** When the DVI and VGA input ports are connected at the same time, press down the AUTO button after 3 seconds to switch between the VGA mode and DVI mode.







HOW TO GET SUPPORT FOR YOUR WIDE SCREEN?

The wide-screen display enables you to view your content in a brand new way. The next generation of computing environments and game consoles are planning to support wide-screen resolutions.

- Multitask view applications side by side and reduce toggling between them.
- Enrich view DVD films in their native wide format for an enhanced multimedia experience.
- Experience enjoy gaming action at higher wide-screen resolution.

However, having the effective wide resolution (WXGA+, 1440x900), you need to select the correct setting in your **Display Property** of Windows® system.

Please note, some video cards and PCs with integrated video will not probably support the wide-screen resolutions. You have to update the video chip/card driver or even purchase a new video card to utilize the advantages of the wide-screen.

For your PC, refer to the available drivers and downloads from the PC manufacturer's web site.

For upgraded video card, refer to the video card manufacturer's web site: nVIDIA® (www. nvidia.com), ATI® (www.ati.com), S3® (www.s3graphics.com), Intel® (www.intel.com) and so on.

Using Your LCD Monitor

In order to ensure a healthy and relaxed body position when using the monitor at visual display workstations, you are able to adjust the monitor's angle or height of the stand.

1 The angle of the LCD monitor may be adjusted approximately 40 degrees.



2 Use one hand to turn right the monitor. The pivot rotation of the LCD monitor may be adjusted approximately 90 degrees.



If your display driver supports rotation, you can typically find the settings for this function in your display driver's SETTINGS dialog.

ENGLISH

To access the SETTINGS dialog box, go to **START>SETTINGS>CONTROL PANEL>DISPLAY**. Inside the DISPLAY PROPERTIES window, go to the SETTINGS Tab.

If the feature is available, you will find it listed within this dialog box. If you have trouble locating this feature, you might also visit the website of your display driver manufacturer (whose name should be displayed on the **DISPLAY PROPERTIES>SETTINGS** tab) for technical assistance.





NOTE:

If you find that your display card driver does not offer this feature, you can purchase aftermarket rotation software from manufacturers such as Portrait Displays[®]. This monitor manufacturer provides no warranty with respect to the use of aftermarket display software.

3 The height of the LCD monitor's stand may be adjusted approximately 12cm. Be sure to follow the sequence described below.

Step1.

First, release the LCD monitor's stand lock.

Use one hand to push the upper end of stand down, while using the other hand to press the stand's lock button to unlock.



Step2.

With the stand lock released, move the stand post up or down slowly to the desired position.



Step3.

Next, adjust the height of the stand's post

Use one hand to press down the upper end of stand to lower the height of the stand's post, you should feel some resistance to this motion.





NOTE:

When the stand's post is moved into lock position, please repeat Step 1 to release.

4 Use one hand to change the monitor's swivel angle . The swivel angle of the LCD monitor may be adjusted approximately 60 degrees.



3 OSD Menu

Using the OSD Menu

To create the best picture, your XM7-19w has been preset at the factory with the Preset Mode Timing shown on page 27. The OSD (On Screen Display) Menu allows the user to adjust various settings and options by following the steps below.

1 Press the **MENU** button to display the OSD. The OSD main menu provides an overview of the selection of controls available.

Τ	XEROX	\Lambda auto adjust	<up>to select</up>
	A picture	-☆ brightness	50 +
	advanced	Contrast	50 +
	拜 audio	h position	50 +
	options	v position	50 +
	utilities	😭 phase	50 - +
	• reset	🚯 clock	50 +
	🖽 exit	🖽 exit	
	1024 x 768 V: 75	Hz H: 60.60 Khz	

- 2 Press the **DOWN** or **UP** button to highlight the desired icon. Then, press the **MENU** button to activate the highlighted icon.
- **3** Press the **DOWN** or **UP** button to select the desired adjustment icon. Then, press the **MENU** button.
- 4 Press the **DOWN** or **UP** button to change the value of the selected item.
- **5** Select the **exit** icon to exit the OSD.
- **6** Repeat steps 1 through 4 to make further adjustments. All changes are stored immediately.

The OSD Options

The main menu includes the following options:

$\left(\right)$	XEROX	auto adjust	<up>to select</up>
	Dicture	·☆ brightness 50	+
	advanced	contrast 50	+
	🗾 audio	h position 50	+
	options	v position 50	+
	utilities	phase 50	+
	• reset	50 clock 50	+
	🖽 exit	🖽 exit	
		Hz H: 60.60 Khz	



🥁 picture

Adjusts picture settings such as brightness, contrast.

advanced

Allows selection of the general color tint: CUSTOM COLOR, WARM, or COOL.

audio

Allows selection of the sound options and effects.

options

Adjusts OSD settings such as H/V position, H size and phase.

Ξ. utilities

Adjusts the setting of the display time of the on-screen menu. Allows selection of the language used on all the on-screen menus.

0 reset

Restores the factory settings.

88 exit

Exits the on-screen menus.

The picture Menu

XEROX	\Lambda auto adjust	<up>to select</up>
S picture		50 +
advanced	Contrast	50 +
🛱 audio	h position	50 +
options	v position	50 +
The state of the s	phase	50 +
• reset	🚯 clock	50 +
🖼 exit	🖽 exit	
1024 x 768 V: 75	Hz H: 60.60 Khz	

1 The picture menu provides access to the following menus:

2 The picture menu includes the following options:

\Lambda auto adjust

Automatically adjust the display settings to optimize performance based on the D-SUB signal.

⇒ brightness

Controls the overall brightness.

Contrast

Controls the difference between the brightest and darkest regions of the picture.

h. position

Adjusts the position of the picture left and right in the window.

🔲 v. position

Adjusts the position of the picture up and down in the window.

🔛 phase

Adjusts signal phase, which can improve focus clarity and image stability.

🚺 clock

Adjusts the width of the picture.

🖽 exit

Exits the picture menu.

The advanced Menu

1 The advanced menu provides access to the following menus:

1	XEROX	▲ sharpness	1 2	345	
	A picture	🕹 color	cool natural	warm	user
	advanced	占 user red	50 -		
	拜 audio	占 user green	50 -		
	options	🕹 user blue	50 -		<u>+</u>
	utilities	🖽 exit			
	reset				
	🖽 exit				
	1024 x 768 V: 75 Hz H: 60.60 Khz				

2 The advanced menu includes the following options:

▲ sharpness

Increase this setting to see crisp edges in the picture; decrease for soft edges.

占 color

Allows selection of the general color tint: user, natural, warm, or cool.

cool

Inclines colors toward the blue end of the spectrum. Fixes the red, green and blue component levels at factory settings; they cannot be independently adjusted.

natural

Inclines colors toward the natural end of the spectrum. Fixes the red, green and blue component levels at factory settings; they cannot be independently adjusted.

warm

Inclines colors toward the red end of the spectrum. Fixes the red, green and blue component levels at factory settings; they cannot be independently adjusted.

user

Allows the user to adjust red, green and blue color component levels independently.

🖽 exit

Exits the advanced menu.

The audio Menu

1 The audio menu provides access to the following menus:

	XEROX	s	volume	50 ·			⊃+]
	picture	0	mute		on	off	
Ŀ	advanced	88	exit				
Ŀ	拜 audio						
	options						
Ŀ	🖡 utilities						
Ŀ	reset						
	🖽 exit						
	1024 x 768 V: 75	Hz	H: 60.60 I	۲hz			

 ${\bf 2}$ The audio menu includes the following options:

📢 volume

Adjusts the speakers volume up and down.

• mute

Mutes and restores the monitor speakers sound.

🖽 exit

Exits the audio menu.

The options Menu

1 The options menu provides access to the following menus:

1	XEROX	sod h position	50 +			
	Dicture	sod v position	50 +			
	advanced	🖽 exit				
	∄ audio					
	options					
	📱 utilities					
	reset					
	🖽 exit					
	1024 x 768 V: 75 Hz H: 60.60 Khz					

2 The options menu includes the following options:

Solution and solut

Moves the OSD left and right in the window.

Sold v. position

Moves the OSD up and down in the window.

exit

Exits the OSD menu.

The utilities Menu

1 The utilities menu provides access to the following menus:

1	XEROX	🕑 osd timeout	15 se	conds][
	S picture	osd background	opaque	translucent	
	advanced	language			
	, ≇ audio	🖽 exit			
	options				I
	🖡 utilities				1
	reset				1
	🖽 exit				1
	1024 x 768 V: 75	Hz H: 60.60 Khz			

2 The utilities menu includes the following options:

(f) osd timeout

Allows selection of the display time of the on-screen menu.

osd background

Controls the translucence of the on-screen menu's background.

Ianguages

Allows selection of the languages used on all the on-screen menus.

🖽 exit

Exits the utilities menu.

4 Technical Information

Preset Mode Timing Chart

The screen image has been optimized during manufacture for the display modes listed below.

Dot X Line	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
720 x 400	31.47	70.00
640 x 480	31.47	60.00
	37.86	72.80
	37.50	75.00
800 x 600	35.16	56.25
	37.88	60.30
	48.08	72.20
	46.87	75.00
1024 x 768	48.36	60.00
	56.48	70.10
	60.02	75.00
1280 x 1024	63.98	60
	79.98	75
1440 x 900	55.47	59.90
	70.64	74.98

Video signal: (IBM PC/AT)

DVI Connector PIN Assignment



PIN	DESCRIPTION	PIN	DESCRIPTION
1	TMDS Data 2-	15	GND
2	TMDS Data 2+	16	Hot Plug Detect
3	TMDS Data 2/4 shield	17	TMDS Data 0-
4		18	TMDS Data 0+
5		19	TMDS Data 0/5 shield
6	DDC Clock	20	
7	DDC Data	21	
8	Analog Vertical Sync	22	Clock shield
9	TMDS Data 1-	23	Clock +
10	TMDS Data 1+	24	Clock -
11	TMDS Data 1/3 shield	C1	Analog red
12		C2	Analog green
13		C3	Analog blue
14	+5V Power	C4	Analog

D-SUB Connector PIN Assignment



PIN	DESCRIPTION			
1	Red			
2	Green			
3	Blue			
4	Ground			
5	Self Test			
6	Red Ground			
7	Green Ground			
8	Blue Ground			
9	5 VDC			
10	Ground			
11	Ground			
12	SDA (FOR DDC)			
13	H. Sync			
14	V. Sync			
15	SCL (FOR DDC)			

Plug and Play

This monitor conforms to the VESA DDC (Display Data Channel) standard, which means that when it is used with a DDC compatible video card, the monitor is easier to set up. With VESA DDC 1/2B, when the monitor is turned on, it will automatically notify a windows 9X/2000/XP host computer of its scanning frequencies, capabilities and characteristics. Windows 9X/2000/XP will automatically recognize the presence of the monitor and select the appropriate display resolution.

Visual Inspection

Permanently unlit or lit pixels

The standard of production techniques today cannot guarantee an absolutely fault free LCD display. A few isolated permanently lit or unlit pixels may be present. The maximum permitted number of pixel faults is stipulated in the stringent international standard ISO 13406-2 (Class II).

Example:

A 17" flat-screen monitor with a resolution of 1280 x 1024 has 1280 x 1024 = 1310720 pixels. Each pixel consists of three subpixels (red, green and blue), so there are about 4 million dots in total.

According to ISO 13406-2 (Class II), a maximum of 6 pixels and 7 subpixels may be defective, i. e. a total of 25 faulted dots. This corresponds to approx. 0.002 % of the entire screen surface.

Troubleshooting

Before consulting service personnel, check the following chart for a possible cause and solution to the trouble you are experiencing.

Monitor will not turn on

• Make sure the power cord is plugged in.

No picture

- Make sure the power cord is plugged in.
- Check the signal cable connecting the LCD monitor and the computer (refer to page 12-15).
- Press the 🕁 button on the front panel of the monitor.

Poor picture or abnormal picture

- Check the signal cable connecting the LCD monitor and the computer (refer to page 12-15).
- Press the **MENU** button to adjust the Brightness Contrast option in the OSD.
- Adjust the Color Select option in the OSD.
- Press the AUTO button on the front panel of the monitor, to automatically adjust the display mode.

Out of range message appears

- Press the **AUTO** button on the front panel of the monitor, to automatically adjust the display mode.
- Press the **MENU** button to adjust the V Position, H Position and H Size options in the OSD.
- If using Windows 9X/2000/XP, wait a few seconds; once Windows detects the problem, a dialog will appear allowing you to manually set up the video mode according to the preset mode timing chart (refer to page 27).

Specifications

MODEL		XM7-19w
LCD Panel	Panel Size	19"w TFT LCD
	Brightness	300
	Contrast Ratio	700:1
	Dot Pitch	0.285mm x 0.285mm
Speakers		Built-In
Max. Resolu	ition	1440x900
Input Conne	ctor	D-SUB x 2/ DVI x 1/PC AUDIO
		or D-SUB only
Power Source	ce	AC100-240V, 50-60Hz
Power Cons	umption	60W
Dimension		485x367x202 mm

Changes are periodically made to this specifications. Current specifications may also be obtained via the internet, www.xerox-displays.com or www.xerox-displays.info

Authorized Service Centers

U.S.A. CALIFORNIA: AUTHORIZED SERVICE CENTER 7373 HUNT AVENUE GARDEN GROVE, CA 92841 (714) 799-3899 (800) 469-1175 (714) 379-6290 Fax Hours: 8AM ~ 6PM - Pacific Standard Time

TEXAS: AUTHORIZED SERVICE CENTER 10849 KINGHURST SUITE # 120 HOUSTON, TX 77099 (281) 530-4100 (281) 530-4104 Fax Hours: 8AM ~ 6PM - Central Time

EUROPE AUTHORIZED SERVICE CENTER CONTACTS: XOAL BVBA RAKETSRAAT 100 B-1130 BRUSSEL BELGIUM E-EMAIL: rma@proview-repair.com http://www.proview-repair.com Hotline: 00800 00 88 77 66 Fax: +32-2-725-2513 Hours: 10AM ~ 12PM and 2PM ~ 5PM Monday through Friday