BenQ FP791

LCD Color Monitor

17.0" (43.2 cm) LCD Panel Size

User's Manual



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Safety Instructions	 The AC plug isolates this equipment from the AC supply. Unplug this product from the wall outlet before cleaning. Clean the LCD monitor surface with a lint-free, non-abrasive cloth. Avoid using any cleaning solution or glass cleaner. Slots and openings on the back or top of the cabinet are provided for ventilation. They must not be blocked or covered. This product should never be placed near or over a radiator or heat source, or in a built-in installation unless proper ventilation is provided. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company. Never push objects of any kind, or spill liquid of any kind into this product. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltages or other risks. If any of the above mentioned misuse or other acci- dent (dropping, mishandling) occurs, contact qualified service personnel for servicing. The power supply cord serves as a power disconnect device for pluggable equipment. The 				

7. The power supply cord serves as a power disconnect device for pluggable equipment. The socket outlet should be installed near the equipment and be easily accessible.

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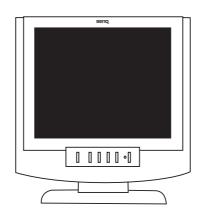
Unpacking

Please check you have the following items. If they are missing or are damaged, please immediately contact the dealer at which you purchased the goods.

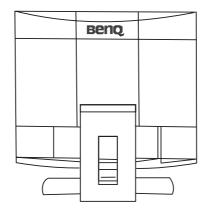
BenQ LCD Monitor	
Quick Start Guide	Beng
CD-ROM Disk	Reng
Power cord	
Audio cable	and all
Signal cable: D-Sub	A CONTRACTOR OF

Views of the Monitor

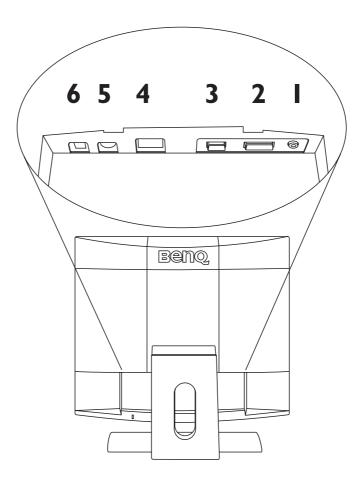
Front View



Back View (I)



Back View (2): Locations of plugs & sockets



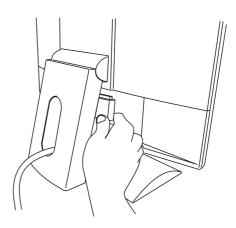
I. Audio connector (Audio input)	2. DVI-D connector
3. D-Sub connector	4. Power AC input jack
5. DC 12V output	6. USB connector

Installation

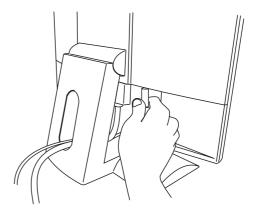
Hardware Installation

Make sure that the computer and monitor's power are both turned off. Please follow the steps to install your LCD monitor.

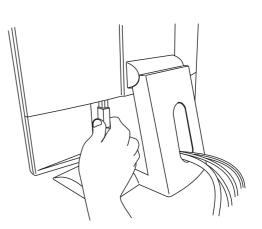
I. Connect signal cable to the LCD monitor.



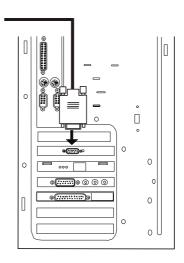
2. Connect audio cable to the audio jack.



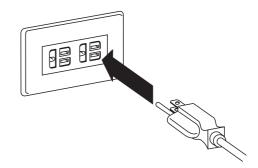
3. Connect the power cord to your LCD monitor.



4. Connect the other end of signal cable to the signal connector of your computer. Connect audio cable to your computer.



5. Connect power cord to an AC power socket.



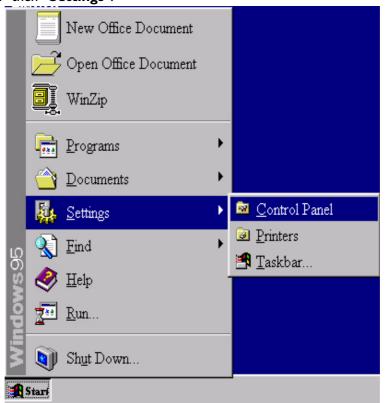
Software Installation

A. Microsoft® Windows® 95/ 98/ 2000/ XP

If you are using Windows 95, Windows 98, Windows 2000 or XP as an operating system, you have to set up the correct monitor driver.

Windows 95. The first time you start Windows with a new monitor, the system will detect it and automatically install the driver for plug and play displays. To install the current driver from CD, proceed as follows:

- I. Insert "BenQ LCD Monitor" CD-ROM into your CD-ROM Driver.
- 2. Click "Start" then "Settings".



3. Double click the "Display" icon in the Control Panel.



4. From the "**Display properties**" window, select the "**Settings**" tab. Click the "**Advanced...**" button in the bottom right corner.

splay Propertie	85 ?
Background Sc	creen Saver Appearance Effects Web Settings
	Be de Be Be
	and (annual (a
Display:	
Plug and Play M	fonitor on ATI Graphics Pro Turbo PCI (atim64 - VT)
Colors	Screen area
True Color (2	4 bit)
	800 by 600 pixels
Extend my V	Windows desktop onto this monitor.
Extend my V	Windows desktop onto this monitor. Advanced OK Cancel Apply

5. Select the "**Monitor**" tab. Click the "**Change**" button in the top right corner.

dvanced I	Display Pr	operties			?
Adapter	Monitor	Performance			
	Phig & P	ay monitor			hange
⊂⊃ _⊂ Optio	ns				
Г М	onitor is <u>E</u>	nergy Star complia	nt		
	utomaticall	y detect <u>P</u> lug & Pl	ay monitor	5.	
	eset display	on suspend/resume	ı.		
		1 .		I	
)K	Cancel	Apply

6. Now click the "**Have Disk**" button in the bottom right corner. Another window appears. Select the "**Browse**" button.

ielect D	avice 2	×
	Monitor: The following models are compatible with your hardware. Click the one you want to set up, and then click OK. If your model is not on the list, click Show All Devices. If you have an installation disk for this device, click Have Disk.	
Models:		
Phy:	z & Play monitor	2
€ Sho	v compatible devices	1000
- 31	w all devices	100
	;	
	OK Cancel	
		1
Ins	tall From Disk	
G	Insert the manufacturer's installation disk into the drive selected, and then click OK.	
	Cancel	
	Copy manufacturer's files from:	
	D:\DRIVERS Browse	

- 7. Insert the supplied CD into your computer. Select the CD-drive from the drop-down menu.
- 8. In the field above the drive selection, change to the "**Drivers**" folder. The current driver files are located there. Press "**OK**" and the window closes.

Open		? X
File <u>n</u> ame: Benql~10.inf Benql~12.inf Benql~12.inf Benql~14.inf Benql~16.inf Benql~18.inf Benql~6.inf Benqlc~6.inf	Folders: d:\drivers	OK Cancel N <u>e</u> twork
	Dri <u>v</u> es:	<u>·</u>

9. By pressing "OK" again in the next window you will be given a list of compatible devices. Select "FP791" from the list and press "OK" again.

elect De	wice
9	Click the Monitor that matches your hardware, and then click OK. If you don't know which model you have, click OK. This list shows only what was found on the installation disk.
Mode <u>l</u> s:	
Benq FF	557
Beng FF	563
Benq FF	2567
Benq FF	2581
Benq FF	751
	OK. Cancel

Now you are back to "Advanced Display Properties". Close this window by clicking "OK" and confirm the following messages with "Yes". Click "OK" and "Yes" again. The installation is now completed. You can close "Display Properties".

Advanced 1	Display Pr	operties			? ×
Adapter	Monitor	Performa	nce		
	Benq FP3	57			Change
∏ A	lonitor is <u>E</u> utomaticall	nergy Star o y detect <u>P</u> h on suspend	ng & Play monit	:ors.	
			Close	Cancel	Apply

Windows 98 To manually install or update the driver, perform the following steps:

- el View <u>H</u>elp 3<mark>Com</mark> Ġ. 3Com Accessibi... Add New Add/Rem... Adobe Date/Time Display Find Fast PA... Hardware Programs Options Gamma <u>....</u> ***** Keyboard Joystick. Mail Modems Mouse Multimedia Network ODBC Printers Regional Sounds System Users Settings
- 2. From the "**Display Properties**" window, select the "**Settings**" tab. Click the "**Advanced...**" button in the bottom right corner.

isplay Properti	es ? >
Background S	creen Saver Appearance Effects Web Settings
	Approx Sam Calles Line Ton Approx Bar Sam Calles Line Line Line Line Line Line Line Line
	<u># A. B. R.</u>
Display:	
	fonitor on ATI Graphics Pro Turbo PCI (atim64 - VT)
- Colors	Screen area
True Color (24 bit) Less More
	800 by 600 pixels
🗹 Extend my	Windows desktop onto this monitor.
	OK Cancel Apply

1. Open the control panel and double-click "**Display**" icon.

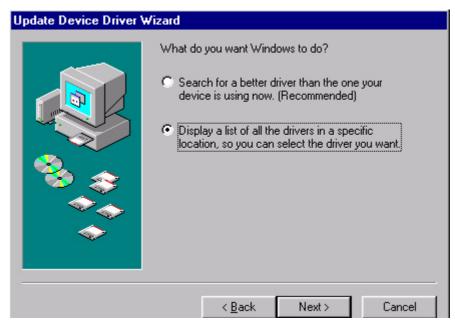
3. Select the "Monitor" tab. Click the "Change" button in the top right corner.

ATI Graphics Pro Turbo PCI (atim64 - VT) Properties	? ×
General Adapter Monitor Performance Color Management	
Plug and Play Monitor	
Options	
Monitor is Energy Star compliant	
Automatically detect Plug & Play monitors.	
☑ <u>R</u> eset display on suspend/resume.	
	[
Close Cancel	Apply

4. The "Update Device Driver Wizard" opens. Confirm by clicking "Next".

Update Device Driver V	√izard
	This wizard searches for updated drivers for:
	Unknown Device
	A device driver is a software program that makes a hardware device work.
	Upgrading to a newer version of a device driver may improve the performance of your hardware device or add functionality.
S	
	< Back Next > Cancel

5. Select "Display a list of all drivers in a specific location, so you can select the driver you want." and press "Next".



6. Now click the "**Have Disk**" button in the bottom right corner. Another window appears. Select the "**Browse**" button.

Update I	Device Driver Wizard
9	Select the manufacturer and model of your hardware device. If you have a disk that contains the updated driver, click Have Disk. To install the updated driver, click Finish.
Mo <u>d</u> els:	
Plug ar	nd Play Monitor [4-23-1999]
• Sho	w <u>c</u> ompatible hardware.
	w all hardware.
	< <u>B</u> ack Niext > Cancel
Ins	tall From Disk 🛛 🔀
E	Insert the manufacturer's installation disk into the drive selected, and then click OK.
	Copy manufacturer's files from: A:\ Browse

7. Insert the supplied CD into your computer. Select the CD-drive from the drop-down menu.

Install F	om Disk	×
9	Insert the manufacturer's installation disk into the drive selected, and then click OK.	OK Cancel
	Copy manufacturer's files from: d:\Drivers	Browse

8. By pressing "**OK**" again in the next window you will be given a list of compatible devices. Select "**FP791**" from the list and press "**Next**" again.

J	Device Driver Wizard Select the manufacturer a disk that contains the up driver, click Finish.			
Mo <u>d</u> els: Beng F Beng F Beng F Beng F Beng F	P557 P563 P567 P581			
1.	w <u>c</u> ompatible hardware. w <u>a</u> ll hardware.			Have Disk
		< <u>B</u> ack	Next >	Cancel

9. An "Insert Disk" dialogue box appears. Click "OK", and then click "Skip File".

click OK.	sert the disk labeled 'Benq flat panel Monitor install	ation diskette , and tr
	OK	
Insert Di	sk	×
_	The file 'FP557.cat' on Bengflat panel Monitor installation diskette cannot be found.	ОК
	Insert Beng flat panel Monitor installation diskette in the selected drive, and click OK.	Cancel
		<u>Skip File</u>
	Copy files from:	<u>D</u> etails

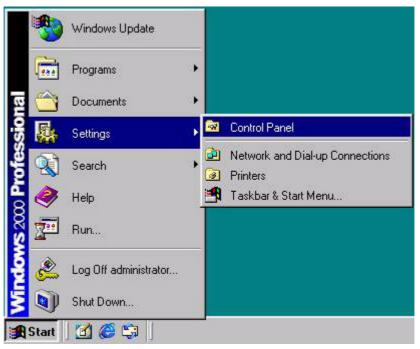
10. Close "Update Device Driver Wizard" by clicking "Finish" to complete the installation.



Windows 2000 The first time you start Windows with a new monitor, the system will detect it and automatically start the "**Add New Hardware Wizard**". Carry out the instructions beginning at step 4.

- I. Insert "BenQ LCD Monitor" CD-ROM into your CD-ROM Driver.
- 2. Click "**Start**" then "**Settings**".

Passwords



3. Open the Control Panel and double click on the "**Display**" icon.



4. From the "Display Properties" window, select the "Settings" tab. Click the "Advanced Properties" button in the bottom right corner.

isplay Properti	si and an and a second s
Background S	een Saver Appearance Web Effects Settings
	Anna Anna Anna Anna Anna Anna Anna Anna
Display: Plug and Play M	onitor on ATI Technologies Inc. 3D RAGE IIC AGP
Colors True Color (2	Screen area
	Troubleshoot

5. Select "Monitor" then click "Properties".

Ionitor Settin	ius.		0.07%	- 8
lefresh Frequ				
60 Hertz	ana ang a sa			-
7 Hide mod	es that this monit	tor cannot dis	play.	
his monitor of	his box will allow annot display cor r damaged hard	rrectly. This n		
		41 (94833)		

6. Select "Driver" tab then click "Update Driver".

Plug and	Play Monitor Pro	perties ? 🔀
General	Driver	
J	Plug and Play Mo	mitor
	Driver Provider:	Microsoft
	Driver Date:	10/1/1999
	Driver Version:	Not available
	Digital Signer:	Not digitally signed
	rice, click Update D	
	Driver Details	Uninstall Update Driver
		OK Cancel

7. The "Upgrade Device Driver Wizard" will pop up. Then click "Next".



8. Select "Display a list of the known drivers for this device so that I can choose a specific driver" then click "Next".

A de	lardware Device Drivers vice driver is a software program that enables a hardware device to work with perating system.
This	wizard upgrades drivers for the following hardware device:
	Plug and Play Monitor
	ading to a newer version of a device driver may add functionality to or improve the rmance of this device.
Wha	t do you want the wizard to do?
¢	Search for a suitable driver for my device (recommended)
6	Display a list of the known drivers for this device so that I can choose a specific driver
	< Back Next > Cance

9. In the next window, click "**Have Disk**", then "**Install From Disk**" window will pop up. Click "**Browse**", the "**Located File**" will pop up.

grade Device Driver Wizar	d	
Select a Device Driver Which driver do you want t	to install for this device?	E.
	and model of your hardware de is the driver you want to install, i	
odels:		
eng FP557		
Show compatible hardware		Have Disk
Show compatible hardware Show all hardware of this devi	ice class	Have Disk



10. Scroll down and select your CD ROM Driver, then click "Next." .

	nd then click lave Disk.	Next. If you
		Next. If you
		×
		💌 Have Disk
k F	Next >	Cancel
	sk 🚺	

11. In the list of folders within the CD-ROM, select "Drivers" folder then click "Open" twice, then click "OK". Select your LCD Model (FP791) from the list in the next window then click "Next" twice.

Upgrade Device Driver Wizard	
Start Device Driver Installation The device driver will be installed with the	default settings.
The wizard is ready to install the driver for I Beng FP557	the following hardware device:
Windows will use default settings to install install the software for your new hardware,	
	< Back Next > Cancel

12. The new drivers are now installed on your computer.

Windows ME To manually install or update the driver, perform the following steps:

- 1. Click "Start", "Settings", "Control Panel" and then double-click "Display".
- 2. In the Display Properties window, click the "Settings" tab and click "Advanced...".
- 3. Click the "Monitor" tab and then click "Change".

GE IIC AG	P (Englis	shj Proper	ties			-	?
Color Mana General	gement	Adapter	plays	Monitor	djustmer		formance
Di Pi	ug and Pla	y Monitor				[<u>C</u> h	ange
Options –							
🔽 Monit	or is <u>E</u> nerg	y Star comp	oliant				
🔽 Autom	natically de	tect <u>P</u> lug &	Play mo	onitors.			
Reset	display or	i suspend/r	esume.				
10. 1000							

4. "Update Device Driver Wizard" dialogue box appears. Choose "Specify the location of the driver (Advanced)" and then click "Next".

	This wizard searches for updated drivers for: Unknown Device
	Windows can search for and install an updated driver to replace the one currently being used by your hardware. Or, you can specify the location of another driver.
	What would you like to do?
	C Automatic search for a better driver (Recommended)
↓ ◆	Specify the location of the driver (Advanced)
1- 	-

5. Choose "Display a list of all the drivers in a specific location, so you can select the driver you want" and click "Next".

using now. (Recommended)
 Removable Media (Floppy, CD-ROM) Specify a location: F:\Drivers Browse
Display a list of all the drivers in a specific location, you can select the driver you want.

6. Choose "Monitor" from the list and then click "Next".

Update Device Driver \	✔izard Select the type of device from the list below, then click Next.
	Imaging Device Keyboard Memory Technology Drivers (MTDs) Modem Monitors Mouse Multi-function adapters Network adapters Other detected devices Other devices PCMCIA socket
	< <u>B</u> ack Next > Cancel

7. Choose "Display a list of all the drivers in a specific location, so you can select the driver you want.".

Windows will now search for updated drivers in its driver database and in any of the following locations. Search for a better driver than the one your device is using now. (Recommended) Removable Media (Floppy, CD-ROM) Specify a location: F:\Drivers Browse Display a list of all the drivers in a specific location, so you can select the driver you want.
< <u>B</u> ack Next > Cancel

8. Click "Have disk" and then click "Browse...".

	d er and model of your hardware device. If you have a updated driver, click Have Disk. To install the updated
Manufacturers: Standard monitor types Aamazing Technologies, In Acer Actix Systems, Inc. Adara Technology, Inc. Anti-	Models: Default Monitor Digital Flat Panel (1024x768) Digital Flat Panel (1152x864) Digital Flat Panel (1280x1024) Digital Flat Panel (1600x1200) Digital Flat Panel (640x480) Dinital Flat Panel (800x600)
	<u>H</u> ave Disk < <u>B</u> ack Next > Cancel

9. Insert "**BenQ LCD Monitor's CD**" into your CD-ROM and type d:\ (change the driver letter to match your CD-ROM driver if it is not drive D). Enter "**Drivers**" folder to select the model from the list left. Click "**OK**".

<u>_</u>	Insert the manufacturer's installation disk into the drive selected, and then click OK.	OK
		Cancel
	Copy manufacturer's files from:	
	AN	Browse

)pen		?:
File <u>n</u> ame:	Eolders:	OK
Benglod_FP557.inf	F:\Drivers	Cancel
Benglod_FP557.inf Benglod_FP563.inf Benglod_FP567.inf Benglod_FP581.inf Benglod_FP751.inf	f:\ Trivers	Network
	Dri⊻es:	
	Dri <u>v</u> es:	•

10. Click "OK" on the "Install From Disk" window. The dialogue box "Update Device Driver Wizard" appears. Choose the model from the list, then click "Next".

stall Fr	om Disk	
_	Insert the manufacturer's installation disk into the drive selected, and then click OK.	OK Cancel
	Copy manufacturer's files from:	
	F:\Drivers	<u>B</u> rowse

Select the manufactur disk that contains the driver, click Finish.				vea
		a, click have L	isk. To install the u	
557				
compatible hardware	×:		Have D	isk
<u>a</u> ll hardware.				
1	2557 v <u>c</u> ompatible hardware v <u>a</u> ll hardware.	v <u>c</u> ompatible hardware. v <u>a</u> ll hardware.	v <u>c</u> ompatible hardware. v <u>a</u> ll hardware.	v <u>c</u> ompatible hardware. <u>H</u> ave Di v <u>a</u> ll hardware.

II. Click "Next".

Update Device Driver W	/izard
	Windows driver file search for the device: Beng FP557 Windows is now ready to install the selected driver for this device. Click Back to select a different driver, or click Next to continue. Location of driver: F:\DRIVERS\BENQL~14.INF
	< <u>B</u> ack Next> Cancel

12. Click "Finish" to complete the installation.

Update Device Driver W	/izard
	Beng FP557 Windows has finished installing the driver you selected for your hardware device.
	< Back Finish Cancel

Windows XP

 Right click mouse on the desktop and choose "Properties". Select "Settings" tab and click the "Advanced" button. A small window will pop up. Select the "Monitor" tab in the new window and then click "Properties".

Themes	Properties ? X Desktop Screen Saver Appearance Settings g and Play Monitor and NVIDIA RIVA TNT2/TNT2 P ?
	Color Management INVA TNT2 Color Correction General Adapter Monitor Troubleshoot Monitor type Plug and Play Monitor Properties
P	Monitor settings Screen refresh rate: 60 Hertz I Hide modes that this monitor cannot display Clearing this check box allows you to select display modes that this monitor cannot display correctly. This may lead to an unusable display and/or damaged hardware.
	OK Cancel Apply

2. Select "Driver" tab and then click "Update Driver..."

General	Driver	
9	Plug and Play M	tonitor
	Driver Provider:	Microsoft
	Driver Date:	6/6/2001
	Driver Version:	5.1.2001.0
	Digital Signer:	Microsoft Windows XP Publisher
	er Details ate Driver	To view details about the driver files. To update the driver for this device.
Roll E	Back Driver	If the device fails after updating the driver, roll back to the previously installed driver.
U	ninstall	To uninstall the driver (Advanced).
		OK Cancel

3. The "Hardware Update Wizard" will pop up. Then click "Next".



4. Select "Don't search. I will choose the driver to install" and then click "Next".

ardware Update Wizard		
Please choose your search and installation options.		
Search for the best driver in these locations.		
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.		
Search removable media (floppy, CD-ROM)		
Include this location in the search.		
A:\ Browse		
Don't search. I will choose the driver to install.		
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.		
< Back Next > Cancel		

5. In the next window, click "**Have Disk...**", an "**Install From Disk**" window will pop up. Click "**Browse**". The "**Locate File**" window will pop up.

Hardware U	Jpdate W	izard	
Select th	e device (driver you want to install for this hardware.	a constant of the second secon
		ufacturer and model of your hardware device and then t contains the driver you want to install, click Have Dis	
Show cor	npatible har	dware	
Model			
Plug and Plu	ver is digitally		Have Disk
fter updating th		< Back, Next >	Cancel
usly installed dri	Install F	rom Disk	
ver (Advanced).	B	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
ОК		Copy manufacturer's files from:	
			Browse

6. Select your driver and then click "Next".

Hardware Update Wizard	
Select the device driver you want to inst	all for this hardware.
Select the manufacturer and model of you have a disk that contains the driver you w	ir hardware device and then click Next. If you vant to install, click Have Disk.
Model BENQ FP2081(Analog)	
BENQ FP2081(Digital)	
A This driver is not digitally signed! Tell me why driver signing is important	Have Disk
	< Back Next > Cancel

7. The new drivers are now installed to your computer. Click "Finish" to exit installation.



B. Choosing the best resolution

Due to the nature of LC display technology, the resolution is always fixed. For the FP791 this is a resolution of 1280x1024. This is called the "Native Resolution", which also represents the maximal resolution. Lower resolutions are displayed on a full screen through an interpolation circuit. Flaws do occur with the interpolated resolution compared to the native resolution. If you want to have all the advantages of LCD technology you must use the native resolution. Using Windows 95/ 98/ 2000/ XP you can change the resolution as follows:

I. Double-click the "**Display**" icon in the Control Panel.



- 2. From the "**Display Properties**" window, select the "**Settings**" tab. You can alter the resolution by using the slider on the right-hand side.
- 3. Select a resolution of 1280x1024. Then click "Apply.".

	erties		2
Background	Screen Saver	Appearance Effects Web Setting	gs
	Sayan Seyan Seyan Seyan Fayatan		
Display: Plug and Pla	ay Monitor on RA	AGE IIC AGP (English)	
Colors	or (24 bit)	Screen area	ore
	or (24 bit)		ore
Colors		Less M	

4. In the subsequent windows, press "OK" and "Yes"

Display F	Properties
٩	Windows will now resize your desktop. This could take a few seconds, during which your screen might flicker. If Windows does not reappear correctly, wait 15 seconds, and your original settings will be restored.
	OK Cancel
	Monitor Settings
	You resized your desktop. Do you want to keep this setting?
	<u> </u>

5. You can now close "Display Properties".

C. Refresh Rate Selection

There is no need to choose the highest possible refresh rate on an LC display. It is not technically possible for an LC display to flicker. Even at a refresh rate of 60 Hz you will get an absolutely flicker-free image. More important is that you make sure that you use one of the factory modes. In contrast to a modern CRT monitor, which is a multiscan monitor, the LC display is a multi-frequency monitor. This means, the best results are only obtained by using the factory modes. You will find a table with the factory modes in this user's guide. These modes, for example, are 60, 70 and 75 Hertz, but not 72Hz, for the native resolution of 1280x1024. In Windows 95/ 98/2 000/ XP you can change the refresh rate as follows:

- 🗃 Control Panel <u>File E</u>dit View Help ራ 3Com 32bit 3Com Accessibi... Add New Add/Rem... Adobe Find Fast Date/Time Display ODBC PA... Hardware Programs Options. Gamma Internet Joystick Keyboard Mail Modems Mouse Multimedia Network ODBC Power Printers Regional Sounds System Users Settings
- I. Double click the "**Display**" icon in the Control Panel.

2. From the "**Display Properties**" window, select the "**Settings**" tab. Click the "**Advanced...**" button in the bottom right corner.

ackground Screen Saver Appearance Effects Web Settings Image: Display: Image: Colors Image: Colors Screen area More Image: Colors Screen area Less More Image: Screen area Screen area More Image: Screen area More Scolo by 600 pixels Image: Screen area Screen area More Image: Screen area More Screen area Image: Screen area Screen area More Image: Screen area Screen area Screen area Image: Screen area Screen area Screen area Image: Screen area Screen area Screen area Image: Screen area Screen area	play Properties			?
Display: Plug and Play Monitor on RAGE IIC AGP (English) Colors True Color (24 bit) Screen area Less More 800 by 600 pixels	ackground Scre	en Saver Appeara	ance Effects Web	Settings
Display: Plug and Play Monitor on RAGE IIC AGP (English) Colors True Color (24 bit) Screen area Less More 800 by 600 pixels				
Display: Plug and Play Monitor on RAGE IIC AGP (English) Colors True Color (24 bit) Screen area Less More 800 by 600 pixels				
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Plug and Play Monitor on RAGE IIC AGP (English) Colors Frue Color (24 bit) Screen area Less B00 by 600 pixels				
Colors	Display: Plug and Play Mor	oitor on BAGE IIC A	GP (English)	
True Color (24 bit) Less More 800 by 600 pixels				
800 by 600 pixels		it) 🔽		More
Extend my Windows desktop onto this monitor.			800 by 600 j	pixels
	🔽 Extend mu'Wir	odawe desktaa aata	this monitor	Advanced
		iaawanacantop 0110		Agrancea
OK Cancel Apply			20 20 20 20 20 20 20 20 20 20 20 20 20 2	1 10 80 W

3. Select the "**Adapter**" tab. The refresh rate selection field is located in the center at the bottom of the window.

GE IIC AGP (Engl	sh) Properties	?
Color Management General	Adapter Monito	Adjustment 📔 📶 Color r 📔 Performance
RAGE IIC A	GP (English)	<u>C</u> hange
-Adapter / Driver inf	ormation	
Manufacturer:	ATI Tech Enhanced	
Chip type:	Mach64GT	
DAC type:	Internal	
Features:	DirectDraw 1.00	
Software version:	5.24-CD3	
Current files:	macxw4.drv,*vdd,*vfla	td,macxw4.vxd,macxdc
<u>R</u> efresh rate		
Optimal		•
Adapter default Optimal 56 Hz 60 Hz 72 Hz 75 Hz		

- 4. Choose a refresh rate from the table with the factory modes, which can be found in the user's guide, and select this in the settings field.
- 5. In the subsequent windows press "Change", "OK" and "Yes".

Refresh	Rate 🛛 🔀
•	Windows will now adjust the refresh rate of your display. The screen may flicker for a few moments while the settings are being changed.
	If the display becomes garbled or unusable, simply wait and Windows will restore the original settings.
	()

6. You can now close "Display Properties".

D. Picture Optimization

The easiest way to obtain an optimal display is to use the *ikey* function. Press the "*ikey*" on the control panel and the monitor will adjust automatically.

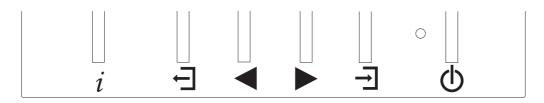
If you are still not satisfied with the result, you can still adjust the image manually.

- 1. Run the test program auto.exe from CD-ROM; this is the best way to observe possible changes. You can also use any other image, such as the desktop of your operating system. However, we recommend that you use auto.exe. As you run auto.exe, a test pattern emerges.
- 2. Press \rightarrow on control panel to access OSD.
- If there is vertical noise observed, press or key to select "Geometry" and press key. Then press or key to select "Pixel Clock" and also press key again. Now, press or key to adjust the monitor untill the noise disappears.
- 4. If there is horizontal noise observed, press or key to select "Geometry" and press ikey. Then press or key to select "Phase" and also press key again. Now, press or to adjust the monitor untill the noise disappears.

To make sure the "*iKey*" function perform well, you have to use one of the supported modes. If the "*iKey*" does not work properly and the "**NON PRESET MODE**" message is on the OSD, it means you are not using one of the supported modes. Please set your computer to use one of the supported modes. You will find a list of supported modes in this manual.

Adjusting the Monitor

A Look at the Control Panel

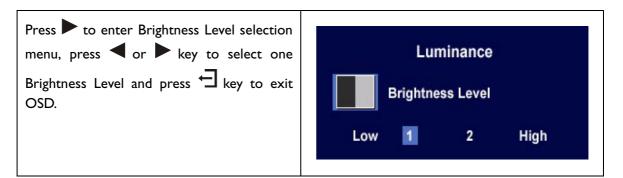


There are 6 keys for user's control including "*iKey*", "Exit", "Enter", "<" and ">" key and a power swith. The following descriptions are the introduction of these keys & switch.

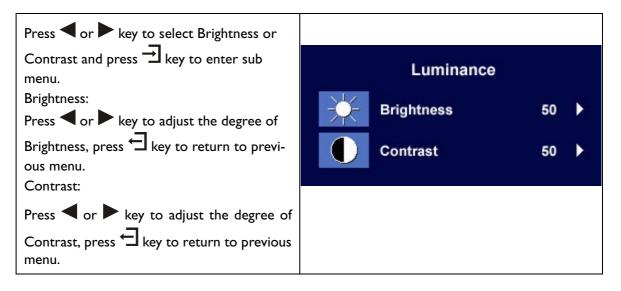
- I. "Power": Turn the power on or off.
- 2. "iKey" : Adjust vertical position, phase, horizontal position and pixel clock automatically.
- 3. (Exit) key: Back to previous menu or exit OSD.
- 4. → (Enter) key: Activate OSD, enter sub menu, select items, confirm selection and hot key for OSD Lock.
- 5. < (Left) key: For Left/Decrease adjustment. Left key is the hot key for Brightness and Contrast.
- 6. (Right) key: For Right/Increase adjustment. Right key is the hot key for Brightness Level.

Hot Key Mode

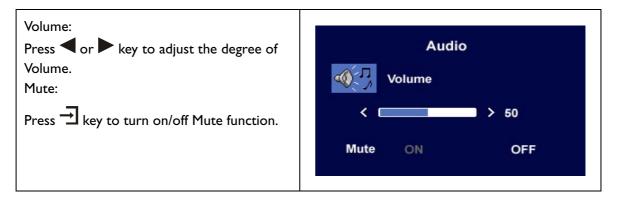
Key, Brightness Level hot key



Key, Brightness and Contrast hot key



← Key, Audio hot key



Press and hold → key for 3 seconds to activate hot key.	OSD Lock
OSD lock: Press and hold \dashv key for 3 sec-	
onds to lock OSD.	OSD Locked! Press ENTER key and hold for 3 seconds to release OSD lock.
OSD unlock: Press and hold → key for 3 seconds to release OSD lock.	OSD lock released!

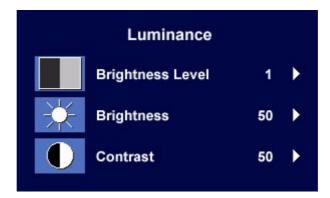
\rightarrow Key, OSD Lock hot key

Main Menu Mode

Control Functions Available in Main Menu

Main Menu				
	Main Menu			
Auto Adjust	Language			
Luminance	Recall			
Geometry	DPF			
Color	Miscellaneous			
📴 🙀 OSD	Audio			

Luminance sub menu

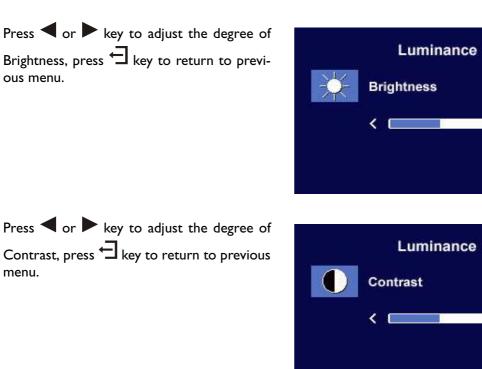


Press I or key to select one Brightness Level and press I key to return to previous menu.

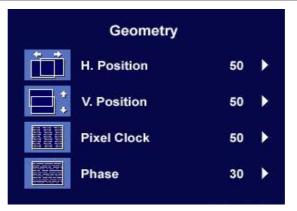
	Lur	ninance	
Brightness Level			
Low	1	2	High

50

50

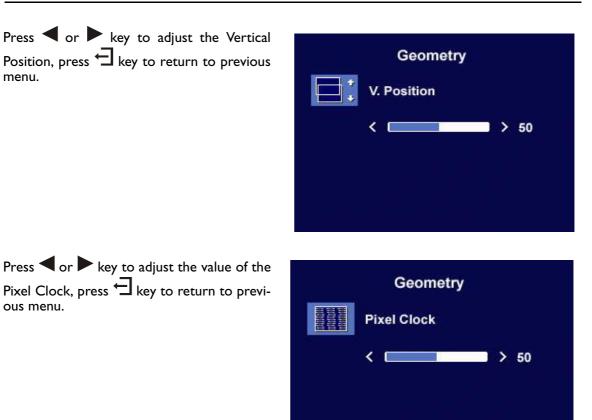


Geometry sub menu



Press I or key to adjust the Horizontal Position, press key to return to previous menu.

12 - 21	Geometry		
Ĭ	H. Position		
	<	>	50

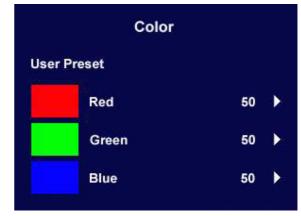


Press \blacktriangleleft or \blacktriangleright key to adjust the degree of Phase, press \rightleftarrows key to return to previous menu.

 Geometry		
Phase		
<	>	30

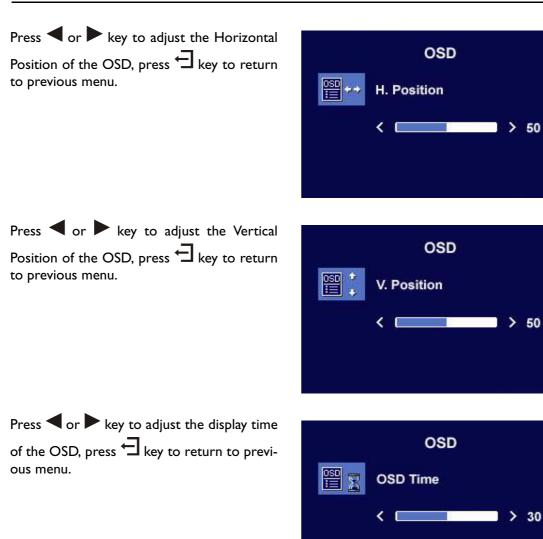
Color sub menu Color C1 (9300 К) C2 (6500 К) C3 (5800 К) User Preset

User Preset: User may set the color balance of Red, Green and Blue.



OSD sub menu

A12 (14)	OSD		
	H. Position	50	Þ
	V. Position	50	¥.
	OSD Time	30	•
	OSD Lock	OFF	•



OSD Lock: Locks the OSD and all OSD functions including deactivation of hot keys.



Recall sub menu Recall Image: Second state st

Press \blacktriangleleft or \blacktriangleright key to confirm Position Recall, press \dashv key to recall position settings, or press \dashv key to return to previous menu.



Press \blacktriangleleft or \blacktriangleright key to confirm Color Recall, press \dashv key to recall color settings, or press \dashv key to return to previous menu.



Press \blacktriangleleft or \blacktriangleright key to confirm Recall All, press \dashv key to recall position and color settings, or press \dashv key to return to previous menu.



DPF sub menu



Select Card:

User may select from the following kinds of memory cards: Compact Flash, Security Disk/Multi Media Card and Smart Media. Press ◀ or ▶ key to select card, press ◄ key to confirm, or press ◀ key to return to previous menu.



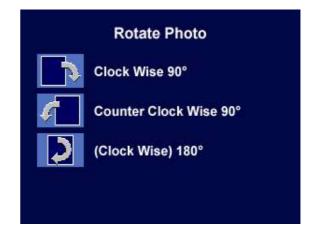
File Management sub menu.

	File Management		
ាំ	Slide Show		
J z	Slide Show Delay	5	×
.	Rotate Photo		

Press ◀ or ▶ key to adjust the time gap of Slide Show, press ◀ key to return to previous menu.



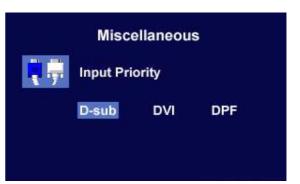
Rotate Photo: Rotates photos from landscape mode to portrait mode.



Miscellaneous sub menu

	Miscellaneous			
, ,	Input Priority	D-sub	×	
文	Sharpness	1	×	
1	Display Information		•	

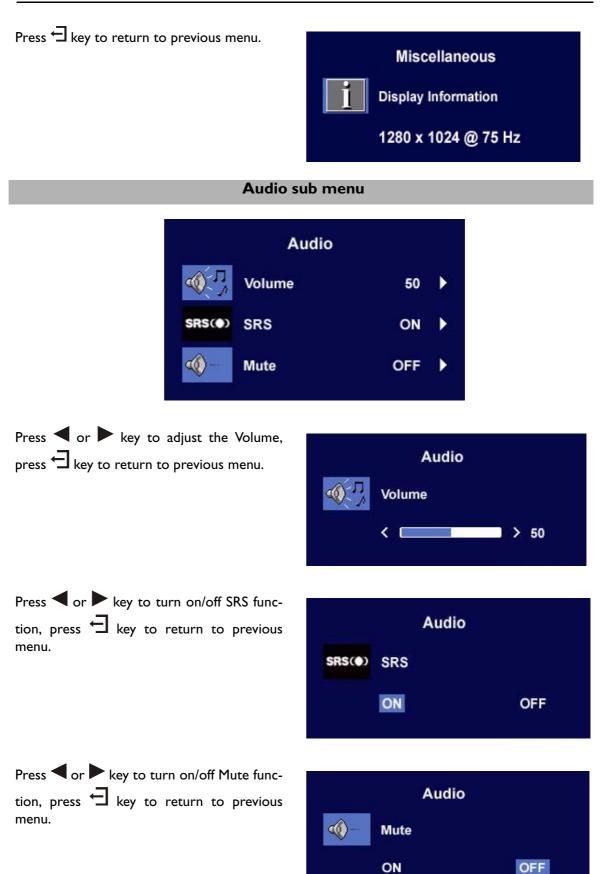
Press \blacktriangleleft or \blacktriangleright key to select input signal, press \dashv key to confirm, or press \dashv key to return to previous menu.



Sharpness:

When the resolution of the VGA card is not native solution (1280×1024), users may select the sharpness of the image. Press \blacktriangleleft or \blacktriangleright key to select Sharpness, press \varTheta key to return to previous menu.





Troubleshooting

Frequently Asked Questions (FAQ)

✓ The image is blurred:

- Read the Installation/Adjustment section, and then select the correct resolution, refresh rate and make adjustments based on these instructions.
- How do you use a VGA extension cable?

Remove the extension cable for the test. Is the image now in focus? If not, optimize the image by working through the instructions in the Installation/Adjustment section It is normal for blurring to occur due to conduction losses in extension cables. You can minimize these losses by using an extension cable with better conduction quality or with a built-in booster.

Does the blurring only occur at resolutions lower than the native (maximum) resolution?

Read the Installation/Adjustment section. Select the native resolution.

✓ Pixel errors can be seen:

One of several pixels are permanently black, one or more pixels are permanently white, one or more pixels are permanently red, green, blue or another color.

Read the Pixel error rates section.

✓ The image has a faulty coloration:

It has a yellow, blue or pink appearance.

On the monitor, press \rightarrow key and press \triangleleft or key to move to the "Recall" icon and

press \dashv key to enter "Recall" sub menu. Press \blacktriangleleft or \blacktriangleright key to select "Color Recall"

and select "Yes" in "Color Recall" sub menu, then press $rac{1}{2}$ key to recall to factory settings. If the image is still not correct and the OSD also has faulty coloration, this means one of the three primary colors is missing in the signal input. Now check the signal cable connectors. If any pin is bent or broken off, please contact your dealer to get necessary support.

✓ No image can be seen:

 $\ensuremath{\mathfrak{S}}$ Is the prompt on the display illuminated in green?

If the LED is illuminated in green and there is a message "Out of Range" on the screen, this means you are using a display mode that this monitor does not support, please change the setting to one of the supported mode. Please read the Supported operating modes section.

Is the prompt on the display illuminated in orange?

If the LED is illuminated in orange, the power management mode is active. Press any button on the computer keyboard or move the mouse. If that does not help, check the signal cable connectors. If any pin is bent or broken off, please contact your dealer to get necessary support.

Is the prompt on the display not illuminated at all?

Check the power supply mains socket, the external power supply and the mains switch.

✓ The image is or distorted, flashes or flickers:

Read the Installation/Adjustment section and then select the correct resolution, refresh rate and make adjustments based on these instructions.

✓ The image is displaced in one direction:

Read the Installation/Adjustment section and then select the correct resolution, refresh rate and make adjustments based on these instructions.

Need More Help?

If your problems remain after checking this manual, please contact your place of purchase or e-mail us at: Support@BenQ.com

	Incoming dis	splay mode(In	put timing)		Multi-scan operation
Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Dot Clock Frequency (MHz)	Remark	Actual display resolution
640x350	31.47(P)	70.08(N)	25.17	DOS	1280X943
*720x400	31.47(N)	70.08(P)	28.32	DOS	
640x480	31.47(N)	60.00(N)	25.18	DOS	
640x480	35.00(N)	67.00(N)	30.24	Macintosh	
640x480	37.86(N)	72.80(N)	31.5	VESA	
640x480	37.50(N)	75.00(N)	31.5	VESA	
800x600	37.88(P)	60.32(P)	40.00	VESA	
800×600	48.08(P)	72.19(P)	50.00	VESA	-
*800x600	46.86(P)	75.00(P)	49.50	VESA	-
832X624	49.72(N)	74.55(N)	57.29	Macintosh	- 1280X1024 full screen
*1024x768	48.36(N)	60.00(N)	65.00	VESA	
1024x768	56.48(N)	70.10(N)	75.00	VESA	-
*1024x768	60.02(P)	75.00(P)	78.75	VESA	-
1024X768	60.24(N)	74.93(N)	80.00	Macintosh	-
1152x864	67.50(P)	75.00(P)	108.00	VESA	-
*1152x870	68.68(N)	75.06(N)	100.00	Macintoch	
1152x900	61.80(N)	66.00(N)	92.94	SUN 66	1
*1152x900	71.81(N)	76.14(N)	108.00	SUN	1
1280x1024	64.00(P)	60.00(P)	108.00	VESA	1
1280x1024	75.83(N)	71.53(N)	128.00	IBMI	1
*1280x1024	80.00(P)	75.00(P)	135.00	VESA	1
*1280x1024	81.18(N)	76.16(N)	135.09	SPARC2	-

Supported operating modes

• Modes not listed in the above table may not be supported. For an optimal picture, we recommended you choose a mode listed in the table above.

- There are 22 available modes that are compatible with Windows.
- Image disruption may occur as a result of signal frequency differences from VGA cards which do not correspond with the usual standard. This is not, however, an error. You may improve this situation by altering an automatic setting or by manually changing the phase setting and the pixel frequency from the "Geometry" menu.
- If you switch off the monitor, interference lines can occur on your screen. But do not be concerned about this, as it is normal.
- To extend the service life of the product, we recommend that you use your computer's power management function.

Specifications

Model	FP791
791Display type	I7.0" ,active, TFT
Viewable diagonal	43.2 cm
Native (maximum) resolution	I,280×I,024
Colors	16.7 million
Contrast / Brightness	450:1 (Max. 550:1) / 350 cd/m²
Response time	16 ms
Viewing angle (left/right, up/down)	70/70, 70/70 (CR=10)
	80/80, 80/80 (CR=5)
Line frequency	31.47 - 81.18 kHz Multi- frequency monitor
Image frequency	60 - 76 Hz modes within these parameters
Image checks	Digital, Screen OSD Technology, iKey (automatic image setting)
Controls	5 buttons and <i>iKey</i> .
iScreen functions	Contrast, brightness, vert. & hor. image position, phase, pixel clock, color balance, color palette, choice of language (8 language OSD), OSD position, status indicator
Power Management	VESA DPMS, EPA
Max. power consumption	50 Watt Max
Power saving mode	< 3 Watt
Input signal	RGB analog 0.7 Vpp/75 Ohm positive
	Digital: DVI-D
Synchronisation	TTL separate signal connection 15-pin mini D-sub cable
Temperature (operating)	5 °C - 40 °C
Air humidity (operating)	20% - 80%
Certifications	TCO 95, TÜV/Ergonomics, TÜV/ GS, FCC Class B, ISO I 3406-2, VCCI, UL, CB Report, CE, C-Tick, BSMI, Fimko, GOST
Operating voltage	100-240 ∨, 50-60Hz
Dimensions (W x H x D)	451 x 443 x 192 mm
Weight	7.5 kg

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