

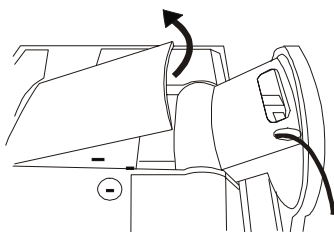
Acer LCD Color Monitor

English

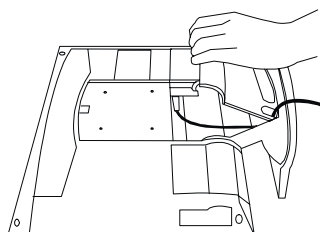


Hardware Installation

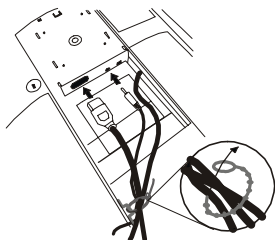
- a) Make sure that the computer and monitor's power are both turned off . Please follow the steps to install your LCD monitor.



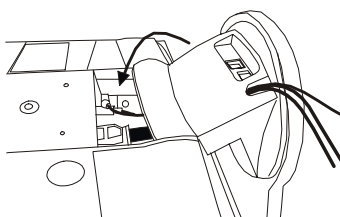
1. Take off the rear cover.



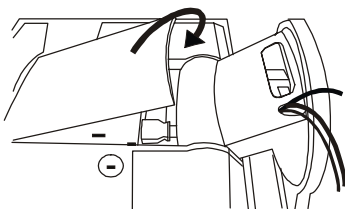
2. Then take off the base cover.



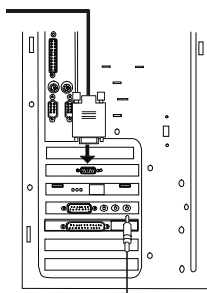
3. Connect the power cord to your LCD monitor. Then connect audio cable to the Audio Input of Acer LCD Monitor.



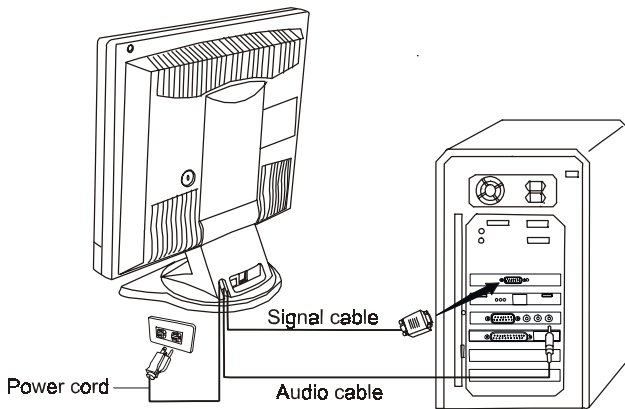
4. Put base cover back.



5. Put the rear cover back.



6. Plug the video signal cable into the signal connector of your computer



- b) Connect the VGA-Cable, that is directly attached to the monitor, to the VGA output of the graphics card on the computer.
- c) Connect the power cord at the back of the monitor to an AC power socket. Please make sure, that the socket is not blocked or covered, so you can disconnect the unit from AC supply if you need to. Your monitor is equipped with an automatic power supply for a voltage range from 100 to 240 Volt at a frequency of 50 to 60 Hz. Be sure that your local power is within the supported range. If you are unsure, ask your electricity supplier.

Software Installation

2

a) Microsoft Windows® 95 / 98 / 2000

If you are using Windows® 95, Windows® 98 or Windows® 2000 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 installs the driver for plug and play displays. To install the current driver from CD, proceed as follows:

1. Insert "Acer 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 properties" button in the bottom right corner.
5. Select the "monitor" tab. Click the "change" button in the top right corner.
6. Now click the "Have disk" button in the bottom right corner. Another window appears, select the "Search" button.
7. The drive selection is located at the bottom of the window in the centre. Insert the CD supplied with your monitor into your computer and select the CD-drive.
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.
9. By pressing "OK" again in the next window you will be given a list of compatible devices. Select the model of your monitor from the list and press "OK" again.
10. Now you are back to "Advanced graphics properties". Close this window by clicking "OK " and confirm the following messages with "Yes" Click "OK " and "Yes" once more. The installation is now complete. You can now close "Display Properties".

Windows® 98

The first time you start Windows with a new monitor, the system will detect it and automatically starts the "Add new hardware wizard". Carry out the instructions beginning at step 4.

1. Open the control panel and double click on the "Display" icon.
2. From the "display properties" window, select the "Settings" tab. Click the "Advanced properties" button in the bottom right corner.
3. Select the "monitor" tab. Click the "change" button in the top right corner.
4. Now the "Add new hardware wizard" opens. Confirm by pressing the "Continue" button. Select "Search for a driver better than the one currently used" and press "Continue".
5. Insert the CD supplied with your monitor if it is not already in the drive and press on the "Search" field in the bottom right corner. Now select your CD-Drive and change to the "Drivers" folder.
6. Press on "OK" again and then on "Continue" in the "Add new hardware wizard". The driver will now be installed. Close all windows to complete the installation.

Windows® 2000

The first time you start Windows with a new monitor, the system will detect it and automatically starts the "Add new hardware wizard". Carry out the instructions beginning at step 4.

1. Insert "Acer LCD Monitor" CD-ROM into your CD-ROM Driver .
2. Click "Start" then "Settings".
3. Open the control panel and double click on the "Display" icon. From the "display properties" window, select the "Settings" tab. Click the "Advanced properties" button in the bottom right corner.
4. Select the "monitor" then click "Properties".
5. Select "Driver" tab then click "Update Driver". The "Upgrade Device Driver Wizard" will pop up . Then Click "Next".
6. Select "Display a list of the known drivers for this device so that I can choose a specific driver" then click "Next".
7. In the next window, click "Have Disk", then "Install From Disk" window will pop up, click "Browse", the "Located File" will pop up . In this window ,click on the arrow (▼) of "Look in" box , then select your CD ROM Drive.
8. In the list of CD-ROM , select "Drivers" folder then click "Open" twice, then click "OK", Select the model of your monitor from the list in the next window then click "Next" twice.
9. The "Digital Signature Not found" window will appear , click "Yes", then click "Finish".
10. Now the new driver are installed to your computer.

b) Choosing the best resolution

Due to the technology of an LCD monitor, it always provides a fixed resolution. For this monitor, it is a resolution of 1024 x 768. This is called the so-called 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 you can change the resolution as follows:

1. Double-click the "Display" icon in the control panel.
2. From the "Display properties" window, select the "Settings" tab. There is a slider on the right-hand side in the middle of the window. There you can alter the resolution.
3. Set a resolution of 1024x768.
4. In the subsequent windows press: "Apply", "OK" and "Yes".
5. You can now close "Display Properties".

c) Refresh Rate Selection

There is no need to choose the highest possible refresh rate on a 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 multi-scan monitor, this model 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. For the native resolution of 1024x768, these, for example, are 60, 70 and 75 Hertz, not 72 Hz, however. In Windows® 95/ 98 / 2000 you can change the refresh rate as follows:







1. Double click the "Display" icon in the control panel.
2. From the "Display properties" window, select the "Settings" tab. Click the "Advanced properties" button in the bottom right corner.
3. Select the "Adapter" tab. The refresh rate selection field is located in the centre at the bottom of the window.
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: "Apply", "OK" and "Yes".
6. You can now close "Display Properties".

d) Picture Optimisation

The easiest way to obtain an optimal picture is by using the *iKey* function. This only works reliably, if you use the supplied adjustment software (auto.exe) and if the device is being used in one of the factory modes.

1. Start the auto.exe program from the CD, supplied with the monitor. A test pattern appears.
2. Now press the *iKey*. The device carries out an automatic adjustment. In most cases optimal results will be obtained. You can quit the auto.exe with a single mouse click and clicking on "Exit".

If you are still not satisfied with the result, you can still attempt to enhance the image by means of manual adjust.

1. To do this restart the auto.exe test pattern, which is the best way of observing possible changes. You also can use any other image, such as the desktop of an operating system.
2. You can access the OSD menu by pressing the "Enter" button on the monitor.
3. Using the fly-wheel on the monitor, navigate to the submenu for the Geometry values and then press "Enter".
4. On the top of OSD, shows five paftens.     (or  etc)
By using fly-wheel, then press "Enter" Select  and chose "Clock" by fly-wheel then press "Enter", checking the current setting and using fly-wheel to tune number of "Clock" until the optimum picture appears on your monitor.
5. To Exit "Clock" submenu by pressing "Exit" twice (Geomefry submenu). If you need further adjustment, back to Geometry submenu and select "Phase" by rolling fly-wheel to reach the best status.
Press "Exit" three times the OSD menu will ask you to save your previous change of setting, then select "Yes" by using Fly-wheel when "Yes" turning blue. Press "Enter".

If you are still not satisfied with the result, repeat the procedure using a different refresh rate.

You must use one of the factory modes. If the *iKey* is not working, or the "NON PRESET MODE" message is on the OSD you are not using one of the supported modes. If you are having difficulties generating a supported mode, ask the manufacturer of your graphics card for assistance.

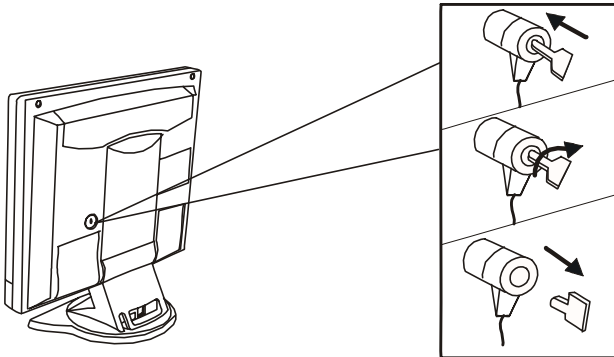
Monitor Security Lock Installation

3

The monitor can be secured to your desk or any other fixed objects with Kensington lock security products. The cable can be attached to a slot located on the rear of your monitor.

1. Insert the lock in the slot located on the rear of the monitor.
2. Turn the key to lock the Security Lock.
3. Remove the key and store it in a safe place.

The Kensington lock is not Acer Accessory. It cannot be ordered from Acer. Contact your reseller for more information.

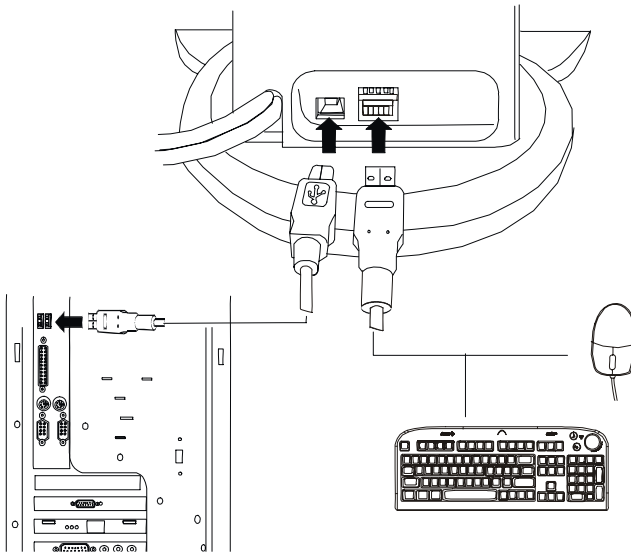


USB Installation (Optional)

4

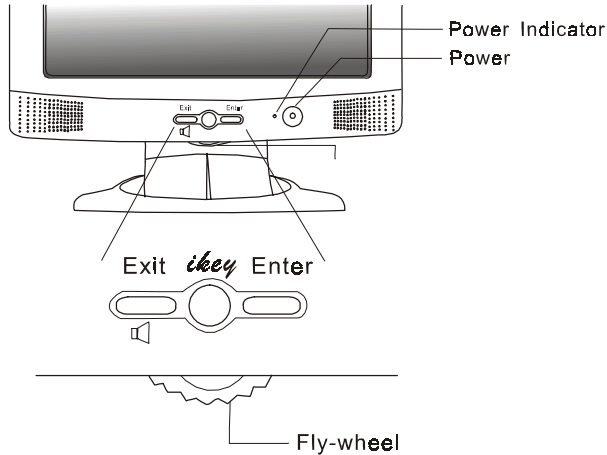
A USB-Hub is integrated in the base of your monitor pedestal. USB connectors automate peripheral connection by using plug&paly install procedures.

1. Connect your USB Hub to your computer with USB cable.
2. Connect USB compatible devices such as a keyboard, mouse and so on to any of 2 downstream connectors.



Adjusting the Monitor

5



There are 4 keys & one wheel for user's control which includes "Power", "iKey", "Exit", "Enter" and a wheel.

The following descriptions are the introduction of these keys & fly wheel.

1. **"Power"** : Turn the power on or off.
2. **"iKey"** : Adjust vertical position , phase, horizontal position and pixel clock automatically.
3. **"Exit" key**: Back to main menus ; Entering "save menu"; Exit OSD menu without saving. Hot key for Audio volume adjustment.
4. **"Enter" key**: Enter sub-meuns ; select items ; save menu.
5. **Fly-wheel** : Left/right adjustment. Hot key for Brightness/Contrast adjustment.

Frequently Asked Questions (FAQ)

6

The image is blurred:

- Read the chapter, Installation/Adjustment and then select the correct resolution, refresh rate and make adjustments based on these instructions.
- Do you use a VGA extension cable?
Remove the extension cable for the test. Is the image now in focus? If not, optimise the image working on the description in the chapter, Installation/Adjustment. It is normal for blurring to occur due to conduction losses in extension cables. You can minimise 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 chapter Installation/Adjustment. 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 chapter "Pixel error".

The image has a faulty color appearance:

- It has a yellowey, bluey or pink appearance.
On the monitor press the "Enter" button and using the Fly-wheel move to the "color settings" menu. Select the "Recall" item and press "Enter". If the image is still not correct and the OSD also has a fault color appearance, then one of the three primary colors is missing in the signal

input. Now check the VGA cable contacts. If any pins are bent or broken off, then contact your dealer or read the chapters for additional help and service.

No image can be seen:

- Is the prompt on the display illuminated in green?
If the LED is illuminated in green, then press the "Exit" button on the monitor to access the On Screen Display. If the message "NON PRESET MODE" appears there, read the chapter Installation/Adjustment.
- Is the prompt on the display illuminated in orange?
If the LED is illuminated in orange, then the power management mode is active. Press a button on the computer keyboard or move the mouse. If that does not help, then check the VGA cable contacts. If any pins are bent or broken off, then contact your dealer or read the chapters for additional help and service.
- 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 chapter, Installation/Adjustment and then select the correct resolution, refresh rate and make adjustments based on these instructions.

The image is displaced in one direction:

- Read the chapter, Installation/Adjustment 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: DPLservice@acercm.com.tw

Pixel errors



Due to the technology used to build LCD-modules, pixel errors are unavoidable. A standard 1024 x 768 display has 786,432 pixels. Each pixel consists of three subpixels (red, green and blue), which means there are 2,359,296 subpixels. This is also the number of driver transistors needed. If you wanted to make sure that every transistor on an LCD display is working properly, i.e. that there are no pixel failures, an enormous amount of waste would be produced and the price would also be exorbitant. Error rates have to be specified in order to produce LCD panels for a fair price. These error rates are given to us by the panel manufacturers.

Supported operating modes

8

558 / 559 / 563 Incoming display mode(Input timing)				
Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Frequency (MHz)	Comment
640x350	31.47(P)	70.08(N)	25.17	DOS
720x400	31.47(N)	70.08(P)	28.32	DOS
640x480	31.47(N)	60.00(N)	25.18	DOS
640x480	37.86(N)	72.80(N)	31.50	VESA
640x480	37.50(N)	75.00(N)	31.50	VESA
800x600	35.16(P)	56.25(P)	36.00	VESA
800x600	37.88(P)	60.32(P)	40.00	VESA
800x600	48.08(P)	72.19(P)	50.00	VESA
800x600	46.87(P)	75.00(P)	49.50	VESA
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

- *Modes, which are not listed in the above table, may not be supported. For an optimal picture it is recommended to choose a mode listed in the table.*
- *You have 12 available modes compatible with Windows. .*
- *It can happen that the image is disrupted. This can occur as a result of a signal frequency from the VGA card, which does not correspond with the usual standard. This is not, however, an error. You can 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.*

FP750 / 751 Incoming display mode(Input timing)					Multi-scan operation
Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Dot Clock Frequency (MHz)	Remark	Actual display resolution
640×350	31.47(P)	70.08(N)	25.17	DOS	full screen 1280×1024
*720×400	31.47(N)	70.08(P)	28.32	DOS	
640×480	31.47(N)	60.00(N)	25.18	DOS	
640×480	35.00(N)	67.00(N)	30.24	Macintosh	
640×480	37.86(N)	72.80(N)	31.5	VESA	
640×480	37.50(N)	75.00(N)	31.5	VESA	
800×600	37.88(P)	60.32(P)	40.00	VESA	
800×600	48.08(P)	72.19(P)	50.00	VESA	
*800×600	46.86(P)	75.00(P)	49.50	VESA	
832×624	49.72(N)	74.55(N)	57.29	Macintosh	
*1024×768	48.36(N)	60.00(N)	65.00	VESA	
1024×768	56.48(N)	70.10(N)	75.00	VESA	
*1024×768	60.02(P)	75.00(P)	78.75	VESA	
1024×768	60.24(N)	74.93(N)	80.00	Macintosh	
1152×864	67.50(P)	75.00(P)	108.00	VESA	
*1152×870	68.68(N)	75.06(N)	100.00	Macintosh	
1152×900	61.80(N)	66.00(N)	92.94	SUN 66	
*1152×900	71.81(N)	76.14(N)	108.00	SUN	
1280×1024	64.00(P)	60.00(P)	108.00	VESA	
1280×1024	75.83(N)	71.53(N)	128.00	IBM1	
*1280×1024	80.00(P)	75.00(P)	135.00	VESA	
*1280×1024	81.18(N)	76.16(N)	135.09	SPARC2	

- *Modes, which are not listed in the above table, may not be supported. For an optimal picture it is recommended to choose a mode listed in the table.*
- *You have 22 available modes compatible with Windows and Macintosh.*
- *It can happen that the image is disrupted. This can occur as a result of a signal frequency from the VGA card, which does not correspond with the usual standard. This is not, however, an error. You can 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.*

Technical Data



Model	FP558	FP563
Display type	15.0/15.1",active,TFT	15.0 ",active,TFT
Viewable diagonal	38.1/38.3 cm	38.1 cm
Native (maximum) resolution	1,024 x 768	1,024 x 768
Colors	16.7 million	16.7 million
Contrast / brightness	250:1 / 200 cd/m ²	300:1 / 250 cd/m ²
Response time	50 ms	35 ms
Viewing angle (left/right,up/down)	60/60,40/45	60/60,60/40
Line frequency	31.47 - 60.02 kHz Multi- frequency monitor	
image frequency	56.25 - 75.0 Hz modes within these parameters	
Image checks	Digital, <i>Screen</i> OSD Technology, <i>iKey</i> (automatic image setting)	
Controls	mains switch, 2 buttons, one fly-wheel OSD, <i>iKey</i> .	
iScreen functions	Contrast, brightness, vert. & hor. image position, phase, pixel clock, color balance, color palette, choice of language (6 language OSD), OSD position, status indicator	
Microprocessor control	12 factory modes:3 DOS modes,9 VESA modes,	
Power Management	VESA DPMS, EPA	
max. power consumption	36 Watt Max (FP558), < 48 Watt Max (FP563)	
Power saving mode	< 5 Watt(FP558), < 3 Watt(FP563)	
Input signal	RGB analog 0.7 Vpp/75 Ohm positive	
Synchronisation	TTL separate	
Signal connection	15-pin mini D-sub cable	
Temperature (operating)	5 °C - 40 °C	
air humidity (operating)	20 % - 85 %	
Certifications	TCO 99, (Optional)TÜV/Ergonomics, CSA, TÜV/GS, FTZ class B, IEC950, FCC Class B, DSNF, ISO 9241-3-7-8, VCCI, UL, PTB, CB Report , CE, C-Tick, BSMI	
Operating voltage	Automatic switched mode power supply, 90-264 V, 47-63Hz	
Dimensions (W x H x D)	380 x 383 x 186 mm	
weight	5.8 kg (FP558), 5.3 kg (FP563)	

Model	FP559
Display type	15.0 ", active, TFT
Viewable diagonal	38.1 cm
Native (maximum) resolution	1,024 x 768
Colors	16.7 million
Contrast / brightness	300:1 / 250 cd/m ²
Response time	25 ms
Viewing angle (left/right, up/down)	80/80,80/80
Dot pitch	0.297 mm
Line frequency	31.47 - 60.24 kHz Multi- frequency monitor
image frequency	56.25 - 75.0 Hz modes within these parameters
Image checks	Digital, Screen OSD Technology, <i>iKey</i> (automatic image setting)
Controls	mains switch, 2 buttons, one fly-wheel OSD, <i>iKey</i> .
iScreen functions	Contrast, brightness, vert. & hor. image position, phase, pixel clock, color balance, color palette, choice of language (6 language OSD), OSD position, status indicator
Microprocessor control	12 factory modes:3 DOS modes,9 VESA modes,
Power Management	VESA DPMS, EPA
max. power consumption	45 Watt Max.
Power saving mode	< 5 Watt
Input signal	RGB analog 0.7 Vpp/75 Ohm positive
Synchronisation	TTL separate, composite TTL
Signal connection	15-pin mini D-sub cable
Temperature (operating)	5 °C - 40 °C
air humidity (operating)	20 % - 85 %
Certifications	TCO 99, (Optional)TÜV/Ergonomics, CSA, TÜV/GS, FTZ class B, IEC950, FCC Class B, DSNF, ISO 9241-3-7-8, VCCI, UL, PTB, CB Report , CE, C-Tick, BSMI
Operating voltage	Automatic switched mode power supply, 90-264 V, 47-63Hz
Dimensions (W x H x D)	380 x 383 x 186 mm
weight	5.8 kg (12.8 pounds)

Need More Help?

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

Model		FP750
Display type		17.0", active, TFT
Viewable diagonal		43.18 cm
Native (maximum) resolution		1280 x 1024
Colors		16.7 million
Contrast / brightness		200:1 / 200 cd/m²
Response time		70 ms
Viewing angle (left/right, up/down)		80/80,80/80
Dot pitch		0.264 mm
Line frequency	31.47 - 81.18 kHz	Multi- frequency monitor 60.00 - 76.16 Hz modes within these parameters
image frequency	60.00 - 76.16 Hz	
Image checks	Digital, <i>Screen</i> OSD Technology, <i>iKey</i> (automatic image setting)	
Controls	mains switch, 2 buttons, one fly-wheel OSD, <i>iKey</i> .	
iScreen functions	Contrast, brightness, vert. & hor. image position, phase, pixel clock, color balance, color palette, choice of language (6 language OSD), OSD position, status indicator	
Power Management	VESA DPMS, EPA	
max. power	62 Watt Max.	
consumption	< 3 Watt	
Power saving mode		
Input signal	RGB analog 0.7 Vpp/75 Ohm positive	
Synchronisation	TTL separate, composite TTL	
Signal connection	15-pin mini D-sub cable	
Temperature (operating)	5 °C - 40 °C	
air humidity (operating)	20 % - 85 %	
Certifications	TCO 99, (Optional)TÜV/Ergonomics, CSA, TÜV/GS, FTZ class B, IEC950, FCC Class B, DSNF, ISO 9241-3-7-8, VCCI, UL, PTB, CB Report , CE, C-Tick, BSMI	
Operating voltage	Automatic switched mode power supply, 90-264 V, 47-63Hz	
Dimensions (W x H x D)	420 x 445 x 186 mm	
weight	7.3 kg (16.1 pounds)	

Need More Help?

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

Model		FP751
Display type		17.0", active, TFT
Viewable diagonal		43.18 cm
Native (maximum) resolution		1280 x 1024
Colors		16.7 million
Contrast / brightness		400:1 / 250 cd/m ²
Response time		45 ms
Viewing angle (left/right, up/down)		60/60,45/70
Dot pitch		0.264 mm
Line frequency	31.47 - 60.24 kHz	Multi- frequency monitor 56.25 - 75.0 Hz modes within these parameters
image frequency	56.25 - 75.0 Hz	
Image checks	Digital, <i>Screen</i> OSD Technology, <i>iKey</i> (automatic image setting)	
Controls	mains switch, 2 buttons, one fly-wheel OSD, <i>iKey</i> .	
iScreen functions	Contrast, brightness, vert. & hor. image position, phase, pixel clock, color balance, color palette, choice of language (6 language OSD), OSD position, status indicator	
Power Management	VESA DPMS, EPA	
max. power	62 Watt Max.	
consumption	< 3 Watt	
Power saving mode		
Input signal	RGB analog 0.7 Vpp/75 Ohm positive	
Synchronisation	TTL separate, composite TTL	
Signal connection	15-pin mini D-sub cable	
Temperature (operating)	5 °C - 40 °C	
air humidity (operating)	20 % - 85 %	
Certifications	TCO 99, (Optional)TÜV/Ergonomics, CSA, TÜV/GS, FTZ class B, IEC950, FCC Class B, DSNF, ISO 9241-3-7-8, VCCI, UL, PTB, CB Report, CE, C-Tick, BSMI	
Operating voltage	Automatic switched mode power supply, 90-264 V,47-63Hz	
Dimensions (W x H x D)	420 x 445 x 186 mm	
weight	7.7 kg (16.1 pounds)	

Need More Help?

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