

Acer F51

LCD Color Monitor

15" (38.1 cm) LCD Panel Size

User's Manual



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<i>Fill in here!!</i>	
For the convenience of service, write following related information of your monitor in the space below. The serial number is on the back of the product.	
Monitor Information	
Product Name:	Acer F51
Serial Number:	
Date of Purchase:	
Dealer Information	
Dealer:	
Telephone Number:	
Address:	

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Safety Instructions

1. The AC adapter isolates this equipment from the AC supply.
2. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a soft cloth to clean the monitor housing and a tape to stick dust and fingerprints on the screen panel.
3. 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 register, or in a built-in installation unless proper ventilation is provided.
4. 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.
5. Never push objects of any kind, or spill liquid of any kind into this product.
6. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltages or other risks. If any above mentioned misuse or other accident (dropping, mis-operations) occurs, contact qualified service personnel for servicing.
7. The power supply cord serves as a power disconnect device for pluggable equipment. The socket outlet shall be installed near the equipment and shall be easily accessible.

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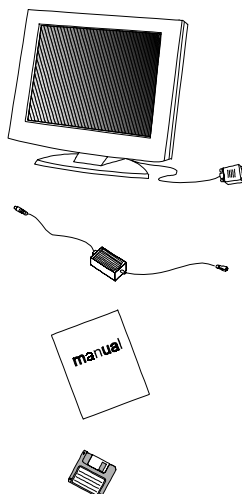
Introduction



Unpacking the Package

Check following items. If they are missing or damaged, consult your place of purchase immediately.

- ✓ LCD monitor with signal cable
- ✓ Power cord & adapter
- ✓ User's manual
- ✓ One disk



Locate the model name and the serial number labeled on the back of your monitor. Write down the related information of your monitor and dealer in the space on page ii for future reference.

Features

Your Acer F51 has the following features:

- ✓ **Power Saving Function**

The power management complies with VESA DPMS standard. When the system is idle (off mode), the monitor automatically cuts its power consumption to less than 5W.

✓ **Plug'n Play Compatibility**

With its DDC1™ and DDC2B™, it is compatible with Plug'n Play feature of Windows 95®.

✓ **Space Saving**

Compared with CRT monitors, the depth of your LCD monitor footprint is only 170mm, saving at least 50% of your desktop real estate.

✓ **Light Weight**

Your monitor weighs only 5.8Kg, almost 70% lighter than traditional 17" CRT monitors.

✓ **Lower Power Consumption**

Compared to the maximum 100W power consumption of 17" CRT monitors, this monitor consumes only 36W in operation(maximum).

✓ **iScreen® (Intelligent Screen) Technology**

The On-Screen Display (OSD) allows you to adjust all settings simply with on-screen menus.

✓ **High Quality Ratiometric Expansion**

With any kind of resolution, your F51 monitor can always present full-screen viewing quality.

✓ **16M True Color**

With dithering support, F51 monitor enhances the visual effect and offers you a better resolution of image quality.

✓ **High Contrast**

Compared to 200:1 contrast ratio in other LCD monitors, this model offers you 300:1 which has better viewing effect.

✓ **Wider Viewing Angle and Higher Brightness**

F51 monitor has a wider viewing angle with 80 degrees tilt from center to left and right position, and 80 degrees tilt from center to up and down position. Brightness offers up to 200 cd/m². Both let you enjoy the high qualified screen with great viewing angle.

✓ **i-key Function**

With auto adjustment function, i-key can automatically adjust Color Temperature, H-position, V-position, Pixel clock and Phase for you.

Power Management

The power management complies with VESA DPMS standard and can lower the power consumption of the monitor while not in use. To release the monitor from the power-saving condition, press any key on the keyboard. The power consumption at NORMAL and OFF modes are as follows.

Mode	Power Consumption	Horizontal Sync.	Vertical Sync.	LED
Normal	< 36 W	ON	ON	Green
Off	< 5 W	OFF	OFF	Amber

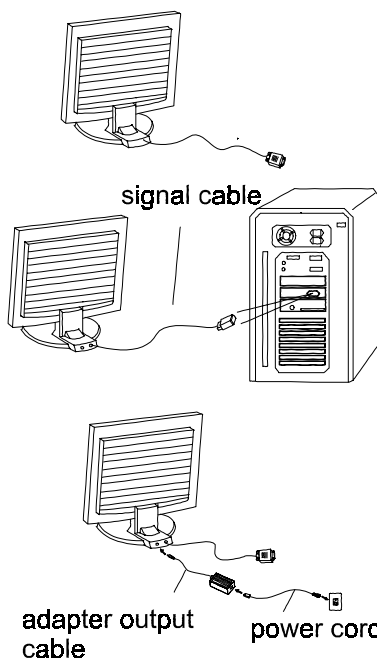
Getting Started

2

Installing the Monitor

This monitor is equipped with an auto-sensing power supply for voltage ranges 100~240V AC, 50~60Hz.

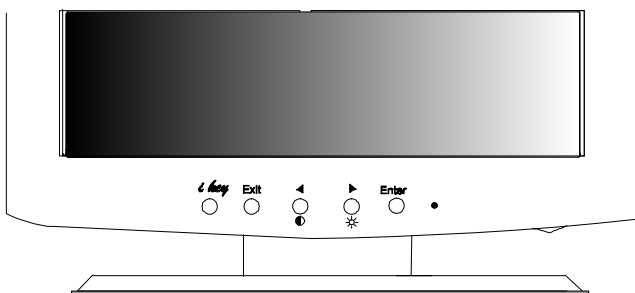
1. Make sure that the system power is turned off.
2. Plug the signal cable to the signal connector at the rear of PC.
3. Plug adapter output cable to the jack at the rear of LCD monitor and the power cord to the adapter.
4. Connect the power cord to power source.
5. Turn on the computer and the monitor.



Adjusting the Monitor

3

A Look at the Control Panel



Adjusting the Monitor

There are 5 keys for user's control. The following is the introduction:

- **Enter** key : enters sub-menus or selects items
- **Exit** key : goes back to main menus (auto save), or leaves OSD.
- ◀ / ◐ key : adjusts the parameter setting to a lower value or adjusts contrast setting.
- ▶ / ☀ key : adjusts the parameter setting to a higher value or adjusts brightness setting.
- *i-key* : Intelligent key used for auto-adjustment of color temperature, V-Position, Phase, H-Position and Pixel Clock.

OSD(On-Screen Display) Operation Procedure

Contrast hot-key mode

1. Press ◀ / ☾ to enter contrast hot-key mode.
2. Press ◀ or ▶ to do the adjustments.



Brightness hot-key mode

1. Press ▶ / ☀ to enter brightness hot-key mode
2. Press ◀ or ▶ to do the adjustments.



Main menu mode

Grouped by functions, the OSD offers 5 major functions in Main Menu for making adjustments: Luminance, Geometry, Color adjustment, Recall and Miscellaneous. The following describes the contents of each function and how you can make adjustments.

Making adjustments

1. Press **Enter** or **Exit** to enter Main menu.
2. Press ◀ or ▶ to locate the item you desire to change, then press **Enter** to go into the sub-menu.
3. Press ◀ or ▶ to locate the function item, Then press **Enter** and ◀ or ▶ to make the adjustment.
4. Press **Exit** to save the settings and go back to main menu.

Control Functions Available in Main Menu

1. Luminance

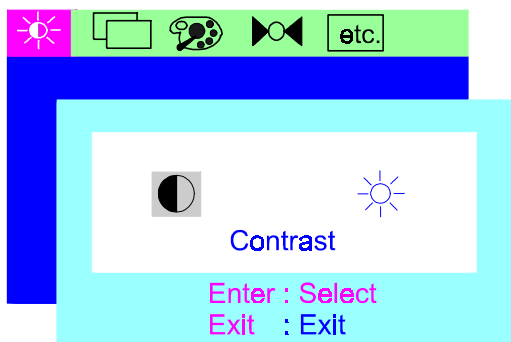
Press **Enter** to go into sub-menu, and Press ◀ or ▶ to locate the function item. There are two items :



Contrast: adjust the difference between the light and dark areas.



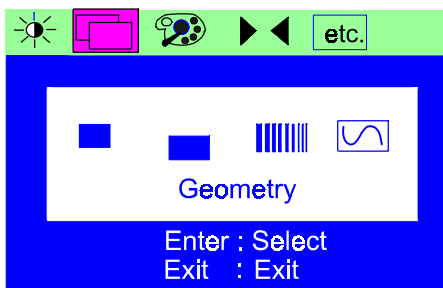
Brightness: adjust the brightness of the display.



2.



Geometry



Hor. (horizontal) Position: adjusts the horizontal position of the display.



Ver. (vertical) Position: adjusts the vertical position of the display.



Phase: adjusts the phase of pixel clock.

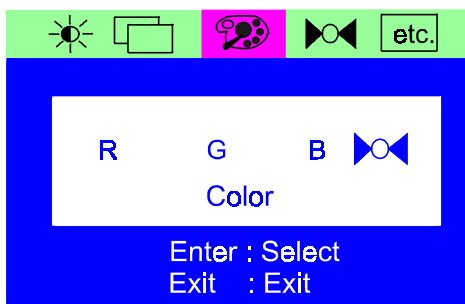


Pixel Clock: adjusts the frequency of the pixel.

3.




Color Adjustment




Color User Mode: Press **Enter** to select the items. Then press ◀ or ▶ to do adjustment. If you want to recall preset color, please locate ↔ to recall the preset color settings.

- R** **Red adjustment**
- G** **Green adjustment**
- B** **Blue adjustment**

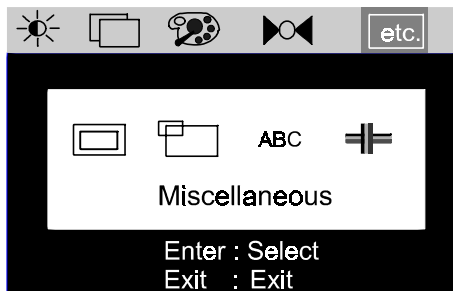
 **Recall:** recalls the preset color settings.

4. Recall



Locate  and press **Enter**, you can recall the preset settings. This page is also a “status display” field which shows current horizontal and vertical frequency status. If you set a timing which is not listed on the preset timing table, “Non Preset Mode” will be shown on this page.

5. Miscellaneous

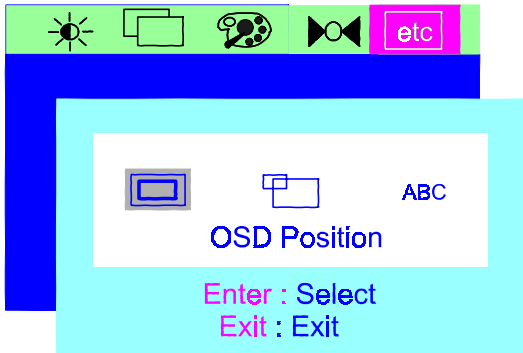




OSD Position

OSD Hor. (horizontal) Position: adjusts OSD horizontal position.

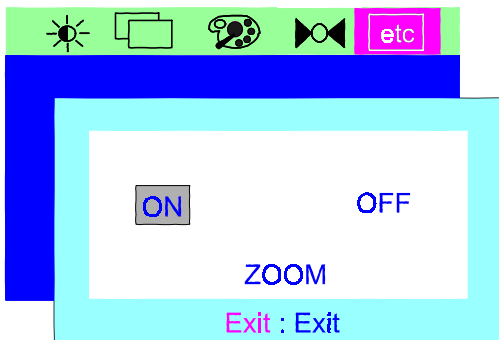
OSD Ver. (vertical) Position: adjusts OSD vertical position.



Zoom ON/OFF Select

Zoom ON: enlarges the screen size. If your screen has been enlarged to full screen, this function will not work.

Zoom OFF: reduces the screen size.





Language Select:

De: Deutsch

En: English

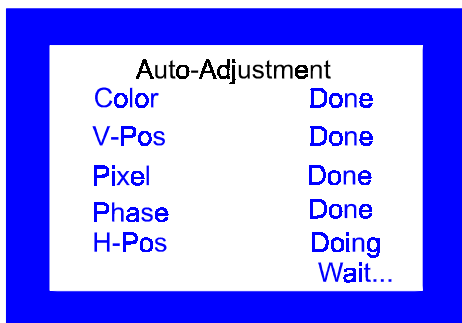
Es: Español

Fr: Français

It: Italiano



i-key : auto adjust Color temperature, V-Position, H-Position and Pixel Clock while the screen size is full. Phase will also be auto-adjusted under pattern provided in the attached disk.



While making *i-key* adjustment, you have to use the attached disk which contains one pattern that will perfect your image settings. Please run the execution file and press *i-key*, the screen will be automatically adjusted to optimum image. And this pattern is compatible with Windows 95 and Windows 98.

☞ If “Non Preset Mode” appears on the OSD, it means you set an unacceptable timing. Please refer to the table of supported timings as follows.

Supported Timings

Input display data					Multi-scan operation
Resolution	H. Frequency (Khz)	V. Frequency (Hz)	Dot Clock Frequency (MHz)	Remark	Actual display resolution
*640 × 350	31.47	70.08	25.17	DOS	full screen 1024 × 768
*640 × 350	37.86	85.10	31.50	VESA	
720 × 400	31.47	70.08	28.32	DOS	
*720 × 400	37.93	85.00	35.50	VESA	
640 × 480	35.00	67.00	30.24	Macintosh	
640 × 480	31.47	60.00	25.18	DOS	
*640 × 480	37.86	72.80	31.50	VESA	
640 × 480	37.50	75.00	31.50	VESA	
640 × 480	43.27	85.00	36.00	VESA	
*800 × 600	35.16	56.25	36.00	VESA	
*800 × 600	37.88	60.32	40.00	VESA	
*800 × 600	48.08	72.19	50.00	VESA	
800 × 600	46.87	75.00	49.50	VESA	
800 × 600	53.67	85.10	56.25	VESA	
832 × 624	49.72	74.55	57.29	Macintosh	
1024 × 768	48.36	60.00	65.00	VESA	
1024 × 768	56.48	70.10	75.00	VESA	
1024 × 768	60.02	75.00	78.75	VESA	
*1024 × 768	35.52	86.95	44.96	Interlace	
1024 × 768	60.24	74.93	80.00	Macintosh	

Resolutions marked with * are not in the factory preset timings. However, they are still supported.

- ☞ *Timings not on the above table may not be supported. We recommend you set the factory preset timings to have optimum screen image.*
- ☞ *We offer you 20 preset modes which are compatible with Windows 95 and Macintosh.*
- ☞ *In some rare cases, the screen will appear little noise. It might be caused by nonstandard signal frequency from the VGA card. It is not a defect. You can improve it by automatic adjustment or manually adjusting Phase and Pixel Frequency in the image menu.*
- ☞ *When turning off the monitor, the interference lines may appear on your screen. This is normal situation.*
- ☞ *To extend the product life, we suggest you set the power saving function on your system.*

Troubleshooting and Useful Hints

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Troubleshooting

Make sure that your monitor is properly installed if you have encountered any trouble using this product (For hardware installation, see **Chapter 2, Getting Started**). If the problems persist, check this chapter for possible solutions.

- ✓ There is no picture on the screen.

Check:

- ☐ Power saving mode. Press any key and move the mouse to deactivate the mode.
- ☐ Signal cable connector pins. If there are bent or missing pins, consult your place of purchase.

- ✓ The picture is unstable.

Check:

- ☐ Signal cable connector pins. If there are bent or missing pins, consult your place of purchase.
- ☐ Graphics card. See if the settings are made properly.
- ☐ Scanning frequency. Change the settings of your graphics card to acceptable options.

- ✓ Characters look too dark or too light.

- ☐ Adjust related settings. See **Chapter 3, Adjusting the Monitor**.

Maintenance

- ✗ Do not expose the monitor to direct sunlight or heat.
- ✗ Do not spill liquid on the monitor.
- ✗ Do not attempt to open the monitor. You may be hurt by electric shock. For service, call your place of purchase.
- ✗ Do not use your monitor when magnets or electronic products are operating nearby.
- ✗ Do not use harsh chemicals or strong cleaning solvents to clean the monitor screen. Wipe it with clean, soft clothes applied with mild solution.
- ✗ Do not place anything on your monitor. Bad ventilation may elevate temperature in the monitor.

Need More Help?

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

Specifications

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LCD Panel	15", TFT
Power Supply (Universal)	
Input voltage	90~264 V AC, 47~63 Hz
Power consumption	36W max.
Max. Resolution	1024 X 768
Video Input	RGB input
User's Control	Power ON/OFF, OSD
Regulatory Compliance	UL, CSA, FCC, TÜV/GS, VCCI, CE, D.N.S.F., TÜV/Ergo, C-Tick, BCIQ, TCO99(Optional)
Display Area	304.1mm (H) X 228.1mm (V)
Ambient Temperature	
Operating	+5°C ~ +40°C / +41°F ~ +104°F
Storage	-20°C ~ +60°C / -4°F ~ +140°F
Humidity	
Operating	20% ~ 85%
Storage	10% ~ 85%
Dimensions (W x H x D)	388 mm (W) x 359 mm (H) x 170 mm (D)
Weight (net)	5.8 Kg