

## MACINTOSH COLOR DISPLAY USER'S GUIDE

### For Your Safety

Read these instructions carefully before you plug in your monitor.

!! WARNING: This equipment is intended to be electrically grounded. Your Macintosh Color Display is equipped with a three-wire grounding plug -- a plug that has a third (grounding) pin. This is a safety feature. If you use a power cord to plug your monitor into an AC outlet, be sure you use one with a three-wire grounding plug. If you are unable to insert the plug into the outlet, contact a licensed electrician to replace the outlet with a properly grounded outlet. Do not defeat the purpose of the grounding plug!  
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For your own safety and that of your equipment, always take the following precautions.

Disconnect the power plug (by pulling the plug, not the cable) if any of the following conditions exists:

- the power cable or plug becomes frayed or otherwise damaged
- you spill something into the case
- your Macintosh Color Display is exposed to rain or any other excess moisture
- your Macintosh Color Display has been dropped or the case has been otherwise damaged
- you suspect that your Macintosh Color Display needs service or repair
- you want to clean the case (use only the procedure recommended in these instructions)

Be sure that you always do the following:

- Keep your Macintosh Color Display away from sources of liquids, such as wash basins, bathtubs, shower stalls, and so on.
- Protect your Macintosh Color Display from dampness or wet weather, such as rain, snow, and so on.
- Keep these instructions handy for reference by you and others.
- Follow all instructions and warnings dealing with your system.

!! WARNING: Electrical equipment may be hazardous if misused. Operation of this product, or similar products, must always be supervised by an adult. Do not allow children access to the interior of any electrical product and do not permit them to handle any cables. !!

### Moving the Monitor

Handle the monitor with care. Carry the monitor with its screen facing you (most of its weight is near the screen). If you have to bend to lift it, bend at your knees, not your waist.

Leave a few inches behind the monitor clear when you position it so you can tilt and swivel it freely on its base.

### Connecting the Cables

1. Before you connect any cables, make sure that your computer is off and that your monitor is off. (Make sure the monitor's on/off switch has not been pushed in.)

2. Connect the socket end of the power cable to the monitor and the other end to the power socket on the back of your computer.

If your computer does not have a power socket, use the spare power cord that came with your computer to connect the monitor to a grounded AC outlet.

3. If the video cable is packed in a white plastic tray, pull down and remove the tray to unpack the cable.

4. Connect the video cable to the video port (marked with v) on the back of your computer. Tighten the thumbscrews on the connector.

If you installed a display card in your computer to use with your monitor, connect the video cable to the display card's port.

#### For Your Comfort

Position the monitor so that when you use it, no bright light is behind the monitor or reflected on the screen.

Your eyes should be about level with the top edge of the screen and between 16 and 22 inches away. Take occasional breaks to focus your eyes on a distant object.

There has been recent public discussion of the possible health effects of prolonged exposure to extremely low frequency (ELF) and very low frequency (VLF) electromagnetic fields. Such fields are associated with electromagnetic sources such as television sets, electrical wiring, and some household appliances -- as well as computer monitors.

Apple has reviewed scientific reports and sought the counsel of government regulatory agencies and respected health organizations. Based on the prevailing evidence and opinions, Apple believes that the electric and magnetic fields produced by computer monitors do not pose a health risk.

In response to those customers who wish to reduce their exposure to electromagnetic fields, Apple is taking steps to lower the emission levels of our products. We are also actively encouraging further scientific research so we can continue to promote the health and safety of our customers and employees.

The Macintosh Color Display complies with the guidelines specified by the Swedish government in MPR II for electric and magnetic field emissions in the ELF and VLF ranges.

#### Troubleshooting

Solutions to common problems related to your monitor are described here. Problems related to the computer itself are covered in the documentation that came with your computer. If you need instructions on installing a display card, using your computer with two or more monitors, or adjusting the number of colors your monitor displays, see the documentation that came with your computer.

The screen is dark or appears dim.

- Adjust the brightness and contrast controls.
- Make sure that the power cable and the video cable are securely connected at both ends.
- Make sure that the monitor is on. Press the on/off switch so that the power light above it is on.
- Make sure that your computer is on.

The screen image flickers or is distorted.

- Make sure that the video cable is securely connected to your computer's video port.
- A nearby electrical device (fluorescent light, radio, microwave oven, another monitor, the computer itself) may be creating interference. Turn the device off if it's possible, or move the device away from the monitor.

!! WARNING: If you have a problem with your Macintosh Color Display and nothing presented in these instructions solves it, take your Macintosh Color Display to your authorized Apple dealer or service provider. Attempting to repair the Macintosh Color Display yourself may void the Limited Warranty. Contact your Apple authorized dealer or service provider for additional information about this or any other warranty question.  
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#### Care and Cleaning

Do not block the monitor's vents. Do not let liquid get on or into the monitor.

To clean the case:

1. Disconnect the power plug. (Pull the plug, not the cord.)
2. Wipe the surfaces lightly with a clean, soft cloth dampened with water.

Don't use aerosol sprays, solvents, or abrasives that might damage the finish on the case. Don't spray glass cleaner directly onto the screen or the case.

If your monitor is left on but unused over long periods of time, the image displayed can become permanently "burned" into the screen. A "screen saver" is a type of utility program that prevents burn-in. See your authorized Apple dealer for information on screen saver programs.

#### Specifications

Picture tube	<ul style="list-style-type: none"> <li>- 13-inch viewable diagonal</li> <li>- 0.26 millimeter aperture grille pitch Trinitron CRT</li> </ul>
Input signals	<ul style="list-style-type: none"> <li>- Red, green, and blue video signals, 0.714 V P-P, white positive. Negative-going TTL composite sync.</li> </ul>
User controls	<ul style="list-style-type: none"> <li>- On/off button</li> <li>- Brightness control with detent reference</li> <li>- Contrast control</li> </ul>
Scanning/ refresh rates	<ul style="list-style-type: none"> <li>- Horizontal scan rate                   35.000 kHz</li> <li>- Vertical refresh rate                   66.7 Hz</li> </ul>
Active video	<ul style="list-style-type: none"> <li>- 235 mm by 176mm (adjusted at the factory)</li> </ul>
Resolution	<ul style="list-style-type: none"> <li>- 640 horizontal pixels by 480 vertical lines; 69 dpi</li> </ul>
Weight	<ul style="list-style-type: none"> <li>- 24 lb. (11 kg), including video and power cables</li> </ul>
Input electrical requirements	<ul style="list-style-type: none"> <li>- Voltage                                   100-240 Vrms +/-10%</li> <li>- Frequency                               50-60 Hz +/-3%</li> <li>- Power                                     55 watts maximum, all line conditions</li> </ul>
Operating ambient temperature	<ul style="list-style-type: none"> <li>- 10C to 40C (50F to 104F)</li> </ul>
Operating humidity	<ul style="list-style-type: none"> <li>- 90% maximum, noncondensing</li> </ul>

- Operating altitude - 10,000 feet maximum
- Fuse protection - The monitor contains internal power line fuse protection. This fuse should be replaced with the same type by a qualified service technician.
- Warm-up time - 20 minutes to meet all specifications (the monitor can be used immediately after it's turned on)

#### Radio and television interference

This equipment generates, uses, and can radiate radio-frequency energy. If it is not installed and used properly -- that is, in strict accordance with Apple's instructions -- it may cause interference with radio and television reception.

This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in Part 15 of FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

You can determine whether your computer system is causing interference by turning it off. If the interference stops, it was probably caused by the computer or one of the peripheral devices.

If your computer system does cause interference to radio or television reception, try to correct the interference by using one or more of the following measures:

- Turn the television or radio antenna until the interference stops.
- Move the computer to one side or the other of the television or radio.
- Move the computer farther away from the television or radio.
- Plug the computer into an outlet that is on a different circuit from the television or radio. (That is, make certain the computer and the television or radio are on circuits controlled by different circuit breakers or fuses.)

If necessary, consult your authorized Apple dealer or an experienced radio/television technician for additional suggestions. You may find helpful the following booklet, prepared by the Federal Communications Commission: Interference Handbook (stock number 004-000-00345-4). This booklet is available from the U.S. Government Printing Office, Washington, DC 20402.

!! Important: Changes or modifications to this product not authorized by Apple Computer, Inc., could void the FCC Certification and negate your authority to operate the product.

This product was tested for FCC compliance under conditions that included the use of shielded cables and connectors between system components. It is important that you use shielded cables and connectors to reduce the possibility of causing interference to radios, television sets, and other electronic devices. For Apple peripheral devices, you can obtain the proper shielded cables from your authorized Apple dealer. For non-Apple peripheral devices, contact the manufacturer or dealer for assistance. !!