DIAMOND VIEW MONITORS

A REGISTERED TRADE MARK OF MITSUBISHI ELECTRIC AUSTRALIA PTY. LTD.

1554R

Colour Monitor

15" (38.1cm) CRT Size,
13.9" (35.4cm) Max. Viewable Area

User's Manual

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Fill in here!!

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:	1554R
Serial Number:	
Date of Purchase:	

Dealer Information

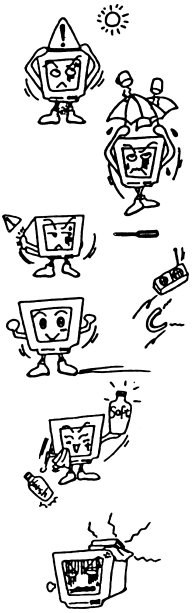
Dealer:	
Telephone Number:	
Address:	

Safety Instructions for Display Monitors

1. The AC plug isolates this equipment from the AC Power supply.
2. Unplug the monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Slots and openings in the cabinet and the back or bottom are provided for ventilation. They must not be blocked or covered. This computer monitor 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 monitor must be operated from the type of power indicated on the rating label. If you are not sure of the type of power available, consult your dealer or local power company.
5. This monitor must be operated with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to make the necessary outlet changes.
6. Never push objects of any kind, or spill liquid of any kind into the monitor.
7. 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 (such as dropping, mis-operation) occurs, contact qualified service personnel for servicing.
8. Use only the proper type of power supply cord set (provided in your monitor's box) for this unit. It should be a detachable type with approved cable and connectors for use in Australia and New Zealand.
9. The power socket outlet shall be near the equipment and shall be easily accessible.

Maintenance

- ✘ Do not expose the monitor to direct sunlight or heat.
- ✘ Do not spill liquid onto the monitor.
- ✘ Do not attempt to open the monitor. You may be hurt by electric shock. For service, call your place of purchase. Opening your monitor may also void warranty.
- ✘ 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



Introduction

Unpacking the Package

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

- ✓ Colour monitor
- ✓ Swivel base
- ✓ User's manual
- ✓ Power cord

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 1554R has the following features:

- ✓ **Plug'n Play Compatibility**

  With its DDC1™ and DDC2B™, it is compatible with Plug'n Play feature of Microsoft® Windows® 95, Windows® 98 and Windows® 2000

- ✓ **Flicker-free Image**

  The monitor supports VESA standard graphics signals with flicker-free refresh rate at resolution up to 800 x 600 pixels at 85Hz.

- ✓ **Larger Viewable Size**

  With its 13.9"(35.4cm) viewable size, it offers a larger viewable screen area than most other 15" monitors.

✓ **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 up to 95%.

✓ **Green Commitment**

No CFCs are used in the manufacturing process of your monitor. It complies with the US government's Energy Star standards and the rigorous standards of the Scandinavian countries.

Power Management

The power management of this monitor complies with these VESA power saving modes:

Mode	Power Consumption	Horizontal Sync	Vertical Sync	LED
On	Normal	On	On	Green
Stand-by	< 5 W	Off	On	Amber Blinking
Suspend	< 5 W	On	Off	Amber Blinking
Off	< 5 W	Off	Off	Amber Blinking
Override	Normal	Off	Off	Green

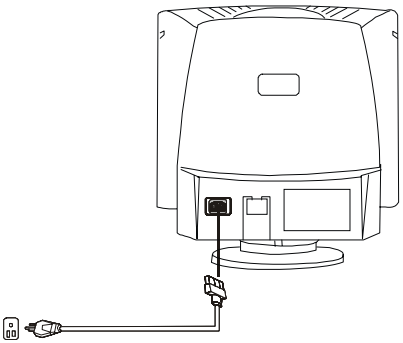
Getting Started 2

Installing the Monitor

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

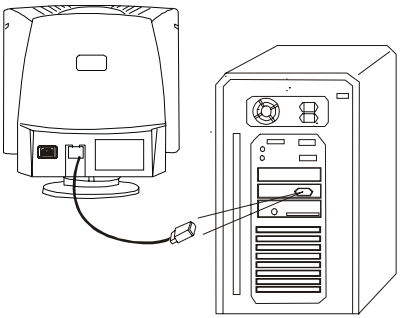
To install the monitor :

1. Make sure that the system power is turned off.
2. Please refer to the instructions below to connect the signal cable through D-SUB .
3. Connect the power cord to the monitor and attach it to power source.
4. Turn on the computer and the monitor.



Connecting through D-SUB signal connector

1. Make sure that the system power is turned off.
2. Connect the computer end of the D-SUB cable to the 15-pin output connector on the video board of your computer.

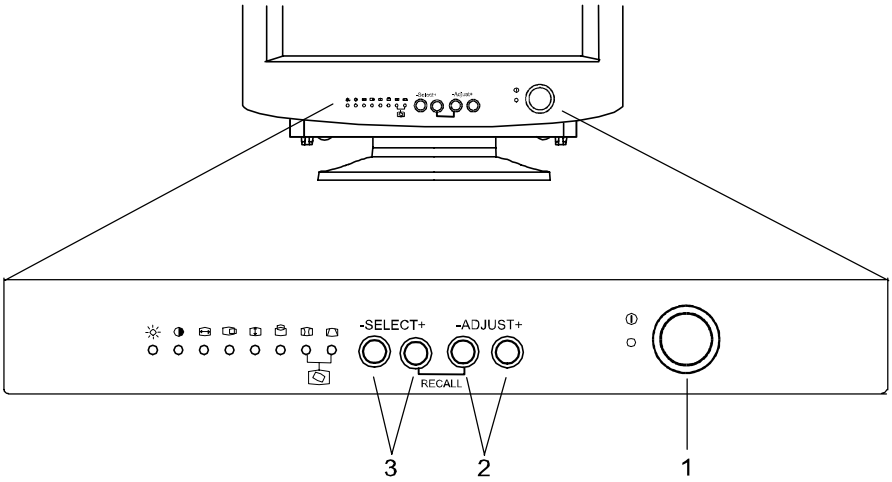


☞ *To connect the monitor to an older type Apple Macintosh through a D-Sub cable, you need to use an Apple Macintosh signal adaptor to connect the video signal port of your computer to the monitor signal cable. Adaptors are available from Mitsubishi Electric Australia. Please contact your computer dealer for more information.*

Adjusting the Monitor 3

Control Functions

The monitor digital control functions are located on the front panel (see the illustration below). They are described in the following sections.



1. Power Switch
2. Adjust
3. Select

Trapezoid
Pincushion
Vertical Center
Vertical Size
Horizontal Phase
Horizontal Size
Contrast
Brightness
Rotation

Select / Adjust

Press the **SELECT +** or **-** button to cycle through the adjustment options to choose H-Phase, H-Size, V-Center, V-Size, Contrast, Brightness, Trapezoid, Pincushion and Rotation. And then press **ADJUST +** or **-** button to change the settings.

Recall

Recall all settings to factory defaults by pressing both function keys of **SELECT +** and **ADJUST -** .

Timing Setting

By making adjustments of your video card settings, you can set the timing and the refresh rate to your preferences. The monitor will automatically save the settings. Your monitor can accept horizontal frequencies ranging from 30 KHz to 54 KHz and vertical frequencies from 50 Hz to 120 Hz. However, due to different resolution requirements, do not exceed the following maximum vertical refresh rates to avoid possible damage to your monitor.

Resolution	Maximum Vertical Refresh Rate (Hz)
640 x 480	100
800 x 600	86
1024 x 768	67

Factory Preset Timings

Mode	Resolution	Vertical Frequency (Hz)	Horizontal Frequency (KHz)
Industry	640 x 400	70	31.47
Industry	640 x 480	60	31.47
VESA	640 x 480	75	37.50
VESA	800 x 600	75	46.88
VESA	800 x 600	85	53.67
VESA	1024 x 768	60	48.30

Troubleshooting and Useful Hints 4

Troubleshooting

Make sure that your monitor is properly installed if you encounter 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:
  - ❑ Video sync signal. The video sync signal from the graphics card must be as specified for the monitor.
  - ❑ 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 scrolling or unstable.
  Check:
  - ❑ Signal cable connectors and pins. Replace the signal cable if it is damaged.
  - ❑ Graphics card. See if the settings are correct and within the monitor's specifications.
  - ❑ Scanning frequencies. Change the settings of your graphics card to values within the monitor's range .
  - ❑ Remove any magnetic objects that are near the monitor. These include speakers and power supplies (AC Adaptors).

- ✓ Characters look dark; the picture is too small or too large, not centered, etc.
  - ❑ Adjust related settings. See Chapter 3, Adjusting the Monitor.

- ✓ Colours are impure.
  - ❑ Check the signal cable and connector pins. If there are bent or missing pins, consult your place of purchase.

Need More Help?

If your problems remain after checking this manual, please contact your place of purchase or contact:

Australia

Visit the Mitsubishi Electric Australia web site at

www.mitsubishi-electric.com.au

Or contact the Service Department for your state:

New South Wales and Australian Capital Territory
348 Victoria Road
Rydalmere, 2116
Tel: (02)9684-7669
Fax: (02)9684-7684

Victoria and Tasmania
4 / 303 Burwood Hwy
East Burwood, 3151
Tel: (03)9262-9899
Fax: (03)9262-9850

Queensland
1 / 104 Newmarket Road
Windsor, 4030
Tel: (07)3357-8877
Fax: (07)3357-8488

Western Australia
5 / 329 Collier Road
Bassendean, 6054
Tel: (08)9377-3411
Fax: (08)9377-3499

South Australia and Northern Territory
77 Port Road
Hindmarsh, 5007
Tel: (08)8340-0444
Fax: (08)8340-0555

New Zealand

Contact Melco New Zealand Ltd.
1 Parliament St.
Lower Hutt
Tel: (04)560-9100
Fax: (04)560-9140
Web site: www.melco.co.nz

Specifications 5

Picture Tube	
Size	15" (38.1cm) diagonal
Type	FST
Dot pitch	0.28mm
Surface coating	AG, AS coating
Maximum Viewable Size	13.9" (35.4cm) diagonal
Power Supply (Universal)	
Input voltage	100~240 V AC, 50~60 Hz (Universal)
Power consumption(Max.)	75 w
Max. Resolution	1024 x 768
Horizontal Frequency	30-54 KHz
Vertical Frequency	50-120 Hz
Video Bandwidth	65 MHz
Video Input	mini D-sub connector
Adjustable Timing	6 factory presets, 10 user modes
User's Control	Digital control
Regulatory Compliance	UL,CSA,C-Tick, MPR II
Plug & Play	DDC1/2B
Ambient Temperature	
Operating	+5°C ~ +40°C / +41°F ~ +104°F
Storage	-20°C ~ +60°C / -4°F ~ +140°F
Humidity	
Operating	20% ~ 90%
Storage	10% ~ 90%
Dimensions (W x H x D)	361 mm (W) x 388 mm (H) x 384 mm (D)
Weight (net)	12.0 Kg