15" COLOR MONITOR
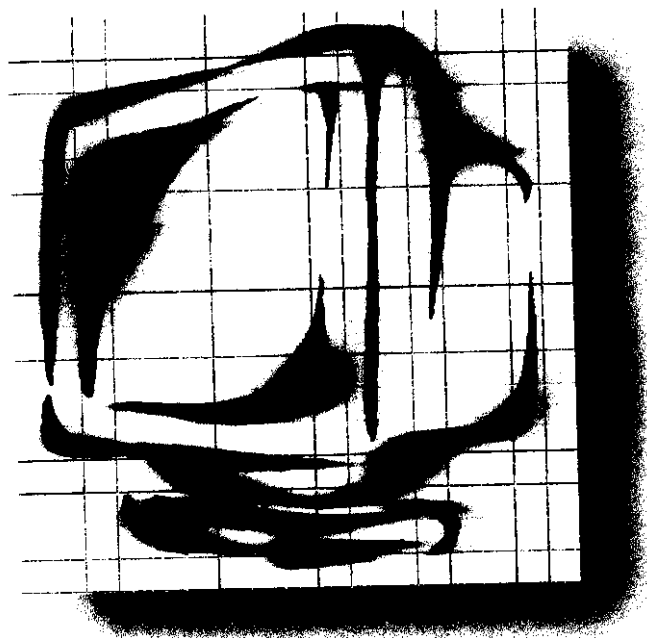## USER'S MANUAL

MICRO PROCESSOR USER CONTRL
1280 x 1024 HIGH RESOLUTION
NON-INTERLACED FLICKER FREE
EPA'S POWER MANAGEMENT
FULL SCREEN DISPLAY

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CHAPTER 1. INTRODUCTION

CHAPTER 2. OPERATING INSTRUCTION

1.1 GENERAL INFORMATION

Thank you for purchasing this 15" flat-screen monitor. It was designed to meet the screen performance requirements of today's demanding business applications It delivers a larger screen area, higher resolutions, and greater color accuracy.

Compatible with IBM and compatible systems, this monitor is designed to operate under a multitude of hardware platforms, video standards VGA to 1280x1024 non-interlaced. Its multiscan function automatically adjusts the monitor to the scanning frequency of your video card.

Its non-interlaced and higher refresh rate offers flicker-free images. which reduces eye-strain and fatigue so that you can work in front of the screen longer.

The OSD(on screen display) microprocessor user control system enhances and expands your ability to control your display. The microprocessor-based memory stores your preferred screen settings. Positioned in front so that they are easier to reach and use, the digital controls greatly improve your capabilities to adjust the screen settings.

The Tilt / Swivel base allow you to comfortable adjust the monitor to your preferred angle of vision.

This monitor also supports universal power supply, allowing you to use the monitor anywhere in the world.

1.2 SAFETY INSTRUCTION

The equipment should be installed near the wall socket, which should always be easily accessible. If any faults occur with the equipment, disconnect the power supply cord from the unit first.

Technical Service Warning for X-ray Radiation Protection:

This product contains electrical and mechanical parts essential for X-ray protection.

For replacement purposes, use only part types shown in the parts list.

Using the Right Power Cord for 240VAC

For units used at 120V: Use a UL-listed cord set consisting of a minimum No. 18 AWG, Type SVT or SJT, rated 6A 125V, three-conductor cord a maximum of 15 feet in length, and a parallel-blade, grounding-type attachment plug.

For units used at 240V (domestic use): Use a UL-listed cord set consisting of a minimum No. 18 AWG, Type SVT or SJT, rated 6A 250V, three-conductor cord a maximum of 15 feet in length, and a tandem-blade, grounding-type attachment plug.

For units used-at 240V (outside of the U.S.): Use a cord set consisting of a minimum No. 18 AWG cord and grounding-type attachment plug rated 6A 250V. The cord set should have the appropriate safety approvals for the country in which the equipment will be installed and marked HAR.

POWER CORD SELECTION INFORMATION

Power cords are UL-Listed or UL-Recognized detachable power supply cord.
type SVT or SJT, three-conductor cord with a minimum wire gauge of 18. Figure
1 and 4 below depict the correct cord termination for 115 or 240 volt operation in
the United States and Canada.

Neutral(Blue)

Line(Brown)

Ground
(Green/Yellow)

Polarization
(looking at face of plug)

Plug configuration for connection to 115 Volt power source plug NEMA 5-15

Neutral(Blue)

Line(Brown)

Ground
(Green/Yellow)

Polarization
(Viewed from end of connector)

Plug configuration for connection to a receptacle on this equipment Plug type

IEC-320 CEE-22

Neutral(Blue)

Line(Brown)

Ground
(Green/Yellow)

Polarization
(looking at face of plug)

Plug configuration for connection to 240 Volt power source plug NEMA 6-15

Plug configuration for connection to Listed computer.

If connecting the monitor power supply cord directly to a computer, connect only
to a Listed computer which has the appropriate configured output appliance
coupler rated 120Vac with a marked current rating not less than the current
rating of this monitor.

1.3 Federal Communications Commission

(FCC) Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer' or an experienced radio / TV technician for help.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouiller du Canada.

As an Energy Star Partner, Action Electronics Company, Ltd. has determined that this product meets the Energy Star guidelines for energy efficiency.

2.1 THE PRODUCT

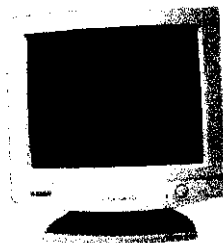### Make sure that the following parts have been included with the unit:

1. 15" Color Monitor With

a. Tilt/Swivel Stand to enable you to position the monitor at the most comfortable
   viewing angle.

b. Signal Cable to connect the monitor to your computer's graphic card.
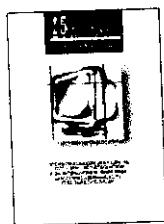
2. Power Cord.

3. User's manual.

1

2

3

2.2 CONNECTION

Connecting the Monitor to the Computer

Note: Please be sure the AC power to your computer is turned OFF before connecting or disconnecting any display peripherals. Failure to do so may cause serious personal injury as well as permanent damage to your computer equipment.

2.2.1. For connecting units to IBM PC, PC/XT, PC/AT, PS/2, or compatibles:

Connect the other end of the 15-pin. D-sub interface cable to the computer via the video connector on the video card, and fix it firmly with the screws provided on the plug.
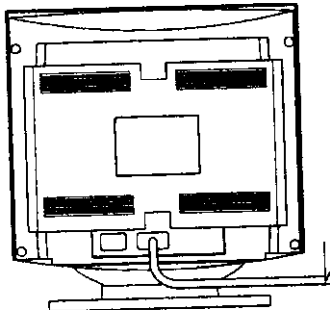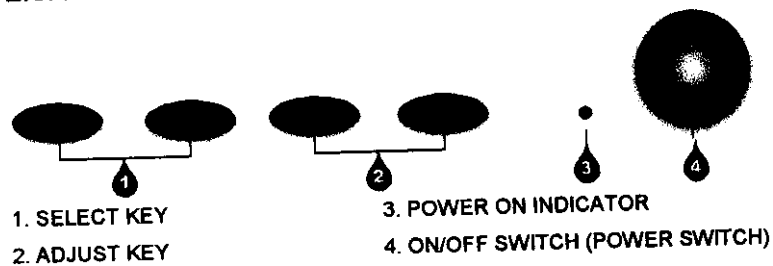
(15 pin D-sub interface cable)
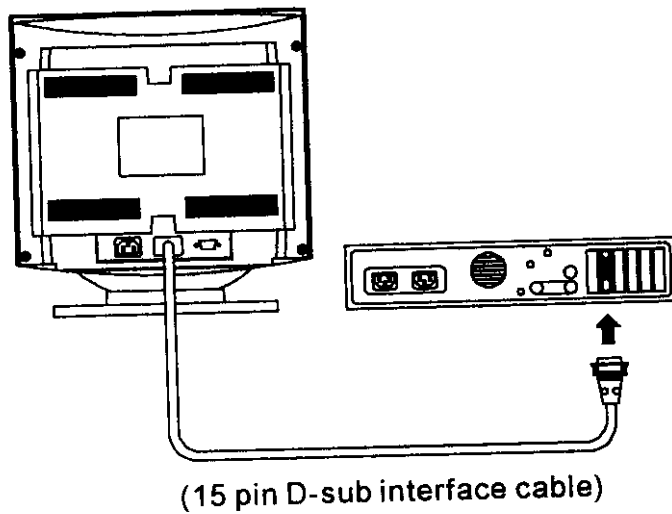
2.2.2. For connection units to Apple Macintosh Quadra and Power Macintosh families. (Optional)

■   Connect the 15-pin. D-sub adapter to the interface cable.

■   Connect the 15-pin, D-sub adapter to the computer via the video connector on the video card.

(15 pin D-sub adapter) (Optional)

(15 pin D-sub interface cable)
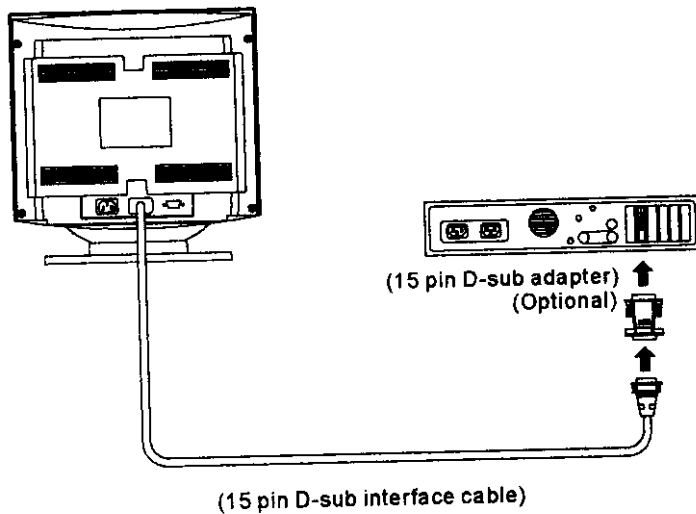
2.3. THE USER'S CONTROLS

2.3.1. Control Locations, and Functions

1. SELECT KEY

2. ADJUST KEY

3. POWER ON INDICATOR

4. ON/OFF SWITCH (POWER SWITCH)

Note: After completing the functional adjustments, it may take a few seconds for the image status to be automatically memorized.

To display the OSD, Press the "◄" or "►" button. When menu is display on the screen, you can then select a control using the "–" or "+" button. When the required control is highlighted, press the "◄" or "►" button to activate the control and use the – and + buttons to make adjustments.

2.3.2. On-Screen Display

```
┌─────────────────────────────────────────────────────┐
│                    1280 X 1024                        │
│               H: 64KHz     V: 60Hz                    │
│   ◐   ⬌   ⊡   Ⅱ   GRB   OSD▲▼   ⍨   EXIT             │
│   ☼   ⊡   ⊡   △   ⋈   ◀OSD▶   ⊕                       │
└─────────────────────────────────────────────────────┘
     A    B    C    D    E    F    G   H
```
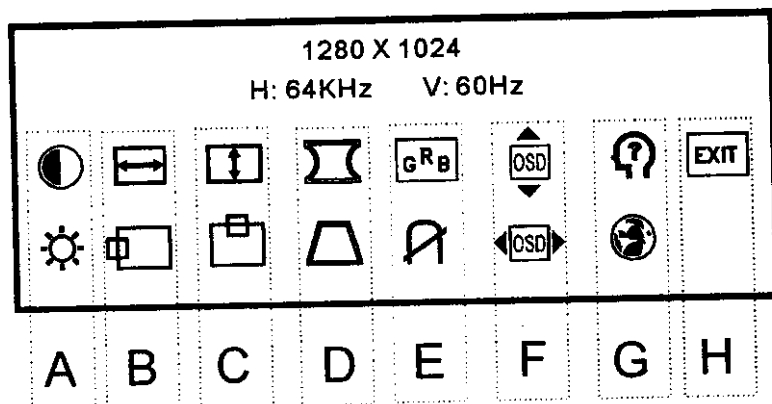
A. Contrast and Brightness Control:

    ◐   **Contrast:** Adjusts the contrast of the display.

    ☼   **Brightness:** Adjusts the display brightness.

B. Horizontal with and position:

    ⬌   **Horizontal with:** Adjusts the display width.

    ⊡   **Horizontal position:** Adjusts the horizontal position.

C. Vertical height and position:

    ⊡   **Vertical height:** Adjusts the display height.

    ⊡   **Vertical position:** Adjusts the vertical position.

D. Picture shape (Geometry):

    Ⅱ   **Pincushion:** Adjusts the shape of the display.

    △   **Trapezoid:** Adjusts the shape of the display.

    ⊡   **H-Corner:** Adjusts the shape of the display.

    ⋈   **Pincushion Balance:** Adjusts the shape of the display.

    ▱   **Parallelogram:** Adjusts the shape of the display.

    ⟳   **Rotation:** Adjusts the amount the display area will tilt.

E. Color:

`[øRв]` **Color Temperature:** Adjusts the color temperature from 9300k to 6500k.

Red Color: Adjusts the intensity of red signal.

Green Color: Adjusts the intensity of green signal.

Blue Color: Adjusts the intensity of blue signal.

Degauss: Press (+) or (-) to clear color impurity of the display.

F. On Screen Display (OSD) Panel Position:

`[OSD]` Adjusts the vertical position of the OSD panel on the screen.

`◄OSD►` Adjusts the horizontal position of the OSD panel on the screen.

G. Language and Recall:
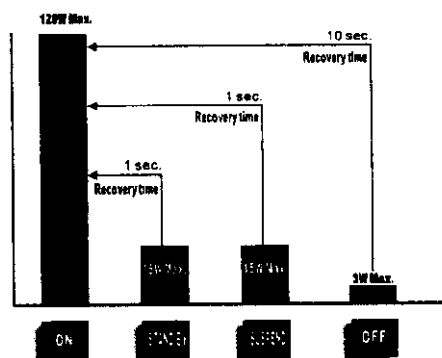
`(?)` Language: Changes to display the OSD data language.

`(⊕)` Factory Preset Recall: Press (+) or (-) to reset parameters

A-E to factory default values.

H. Exit:

`[EXIT]` Press (+) or (-) either to exit the OSD.

2.3.2. Power Management system

A. You must have a GREEN PC or Power Management Software to utilize VESA power saving protocol.

B. When the monitor detects a "Stand-by" or a "Suspend" signal from PC. the monitor power consumption will drop to below 15W, and if detect a "OFF" signal, the power consumption will drop to below 3W automatically.

C. When the monitor detect an "ON" signal from PC, it will restart automatically as in normal turn-on.

2.3.3 Video Mode

Compatible	Standard VGA	VESA			VESA				VESA				VESA
Resolution	640 x 400	640 x 480	640 x 480	640 x 480	800 x 600	800 x 600	800 x 600	800 x 600	1024 x 768	1024 x 768	1024 x 768	1024 x 768	1280 x 1024
Horizontal Frequency (KHz)	31.47	31.47	37.5	43.3	37.8	46.9	48.1	53.7	48.4	56.5	60	68.7	64
Refresh Rate	70	60	75	85	60	75	72	85	60	70	75	85	60
	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I	N-I

IF YOU HAVE ANY QUESTIONS OR DIFFICULTIES IN OPERATING THIS PRODUCT, PLEASE CONTACT YOUR AUTHORIZED DEALER

Specifications

1. Picture Tube	15 inches, 90 degree deflection, 0.28mm dot pitch, Dot-type: black matrix
2. Input Signal	Video: Analog 0.7Vpp/75 ohm Positive Sync: Separate sync. TTL level
3. Synchronization	Horizontal: 30 to 70KHz (automatically) Vertical: 50 to 120Hz(automatically)
4. Video Clock Frequency	100MHz
5. Display Area	Factory Setting: approx. 280x195mm Active Area : approx. 280x210mm
6. Power Source	AC 100-240V±10% Universal
7. Power Consumption	Max. 80W
8. Current Rating	1.2A Typical
9. Dimensions	360mm x 373mm x384mm(WxHxD)
10. Weight	30.8Lbs. (14.0kgs)
11. Environmental Considerations	Operating Temperature: 0^0C to 35^0C Humidity: 30% to 80% Storage Temperature: -20^0C to 60^0C Humidity: 10% to 90%
12. Plug & Play	DDC1, DDC2B