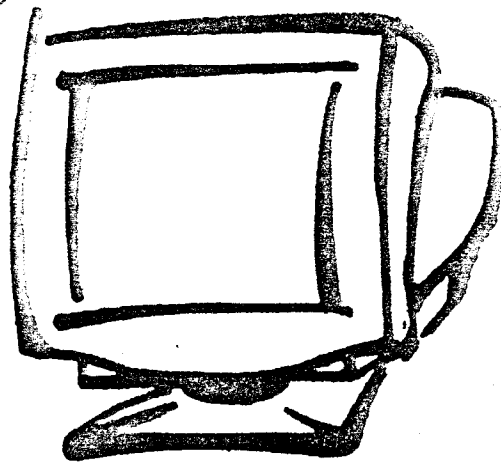COLOR MONITOR

On Screen Display

TCM-1570S

On Screen Display Color Monitor
Instruction Manual

Visualización en la Pantalla Monitor en Color
Instrucciones

屏幕显视器彩色监督程序
使用者说明

FCC Warning

Class B Computing Device

Information to the User

This equipment has been tested and found to comply with the limits for a class B digital device pursuant to part 15 of 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 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 and for additional suggestions.

The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

FCC Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

NOTE: In order for an installation of this product to maintain compliance with the limits for a Class B device, shielded cables must be used.

PRECAUTIONS

1. Please read the instructions below, and follow them carefully.
2. Follow all warnings and precautions marked on the monitor.
3. Unplug the monitor from the wall outlet before cleaning. Do not use a liquid or aerosol cleaner on the monitor. Use only a slightly moistened cloth when cleaning the monitor.
4. Do not use the monitor in a damp place or in an area where liquids may spill on it.
5. Place the monitor on the stable surface. Do not put the monitor on the unstable chair, table or the surface of vibrated subject.
6. The monitor has ventilation holes on its cover. While operating the unit, do not block these holes with any items like book, furniture or computer cover. Do not use the monitor beside heater, or in the area where it is exposed to direct sunlight.
7. The monitor should only be operated from the power source marked on the back label if you have any questions about the power in your area, please contact the distributor from whom you purchased the monitor.
8. Use power source with three-wire grounding outlet. If you have any doubts about your power source, please contact certified electrician in your area.
9. When using power outlet distribution strip or surge suppressor strip that is plugged into single wall outlet distribution strip or surge suppressor strip, take care that the total power consumption does not exceed the ratings of the wall outlet.
10. Do not allow any foreign object to enter into any of the ventilation holes of the monitor. This can cause electric shock or fire.
11. Only qualified computer engineer should open monitor. Hazardous voltage may be exposed if the cover of the monitor is removed. This voltage may be present even when the monitor is turned off and is unplugged from the wall outlet.
12. Do not plug in monitor or attempt to operate the monitor under any of the following conditions;
    1) If the power cord is damaged or frayed.
    2) If a liquid has been spilled on to the monitor.
    3) If the monitor has been exposed to rain or snow.
    4) If the monitor do not operate correctly
    5) If the monitor has been dropped.
13. Please use the power cord packed with the computer monitor.

GENERAL INFORMATION

Congratulations on selecting this high resolution multi-scan color monitor. This monitor has been equipped with automatic and manual adjustments. The automatic control is set at factory and adjusted frequency scanning automatically.
Can make digital adjustment by manual control buttons to display picture with various type on a On Screen Display. The ergonomic characteristics of the antiglare flat screen, high refresh rate, and tilt swivel base allow comfortable usage when operating for a long time in high resolution.

FEATURES

- 15″ 90° Deflection semi tint, non-glare
- 0.28mm DOT PITCH
- IBM compatible, VGA, SVGA, XGA
- Multi-scan H-Sync : 30-70KHz
  V-Sync : 50-120Hz
- Universal Auto-switching power supply.
- VESA Display Power Management Signaling(DPMS) compatible.
- Digital controls for sizing & distortion.
- On-Screen Display
- DDC 1/2B, Windows® 95, 98 Plug & Play
- MACINTOSH compatible.

SETUP

input of monitor.

OR To AC outlet

To PC inlet
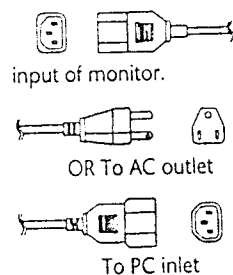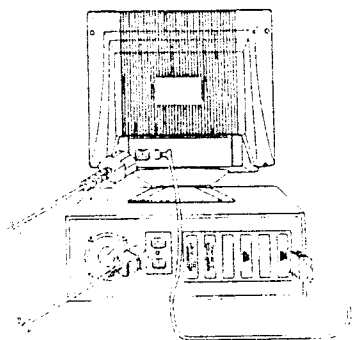
1.Start up
Switch the power off to both your monitor and computer.
Location of the power switch is on the bottom right hand corner of the monitor.

2.Power Cable Connection
Connect the female end of the power cable to the power input on the back of the monitor. Next, plug the male cable the wall outlet for power.

3. Signal Cable Connection
Connect the 15 pin signal cable to the PC.
Lock both screws to ensure grounding.

4.Power ON.
Switch on the power to both monitor and computer.

• Power Indicator
This indicator should be shed when the power is switched ON. If not, check the power cord to see if it is properly connected.

MODE	ON	STAND BY	SUSPEND	OFF
Power indicator	Green	Green	Green/Blink 1.0 sec	Green/Blink 2.0 sec

5.Adjusting the Picture.
Adjust the controls, if necessary to the best picture.
The description for controls & adjustments may be found in the next section.

6.Adjusting the Tilt-Swivel Base.
The tilt-swivel base can be adjusted for your maximum viewing comfort.

CONTROLS AND ADJUSTMENTS
Digital Control Button

The digital control button is located at the below side of front in your color monitor. If you are not satisfied with the factory settings, use these buttons to program that you prefer in each resolution. Then, these adjusted settings are saved in memory even if you change resolution or turn off the monitor.

Key Function

1.MENU ⓜ
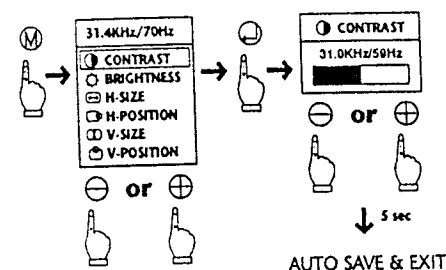This button can call the Main-Menu on the screen.
2.DOWN/UP ⊖/⊕
This button can move the site of icon and adjust value of each icon by pushing the UP/DOWN control button.(DOWN : CONTRAST/UP : BRIGHTNESS hot key)
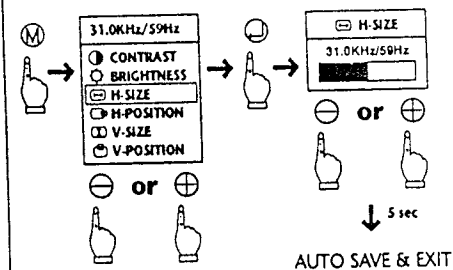### 3.ENTER ⓞ
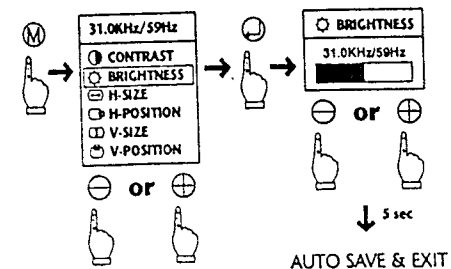This button can call the Sub-Menu on the screen.(DEGAUSS hot key)
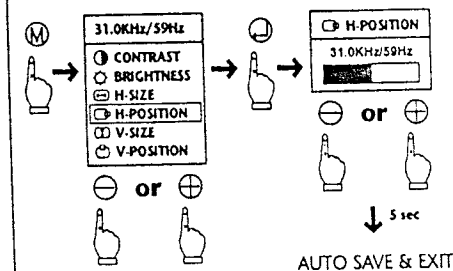
OSD MENU

1. CONTRAST CONTROL

AUTO SAVE & EXIT

2. BRIGHTNESS CONTROL

AUTO SAVE & EXIT

3. H-SIZE CONTROL

AUTO SAVE & EXIT

4. H-POSTION CONTROL

AUTO SAVE & EXIT

5. PINBALANCE CONTROL

☐ PINBALANCE
31.0KHz/59Hz

⊖ or ⊕

AUTO SAVE & EXIT
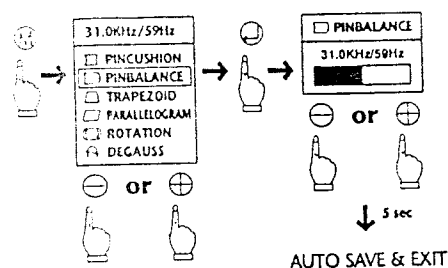
6. PARALLELOGRAM CONTROL

☐ PARALLELOGRAM
31.0KHz/59Hz

⊖ or ⊕

↓ 5 sec
AUTO SAVE & EXIT

7. ZOOM IN OUT CONTROL   ZOOM

ZOOM IN OUT
31.0KHz/59Hz

⊖ or ⊕

↓ 5 sec
AUTO SAVE & EXIT

8. OSD. H-POSITION CONTROL

OSD. H-POSITION
31.0KHz/59Hz

⊖ or ⊕

↓ 5 sec
AUTO SAVE & EXIT

9. COLOR TEMP CONTROL

COLOR-TEMP.
31.0KHz/59Hz
9300 6500 USER

⊖ or ⊕

↓ 5 sec
AUTO SAVE & EXIT

10. H-CORNER CONTROL

H-CORNER
31.0KHz/59Hz

⊖ or ⊕

↓ 5 sec
AUTO SAVE & EXIT
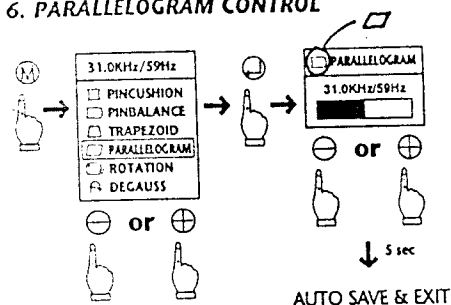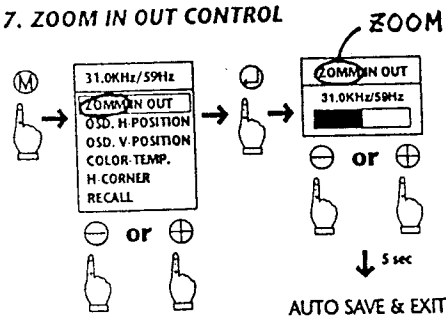
11. DEGAUSS CONTROL

After selectting the Degauss menu when push the enter button degaussing is performed.

12. RECALL

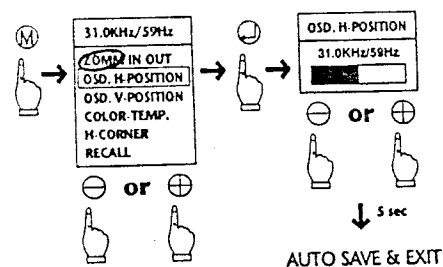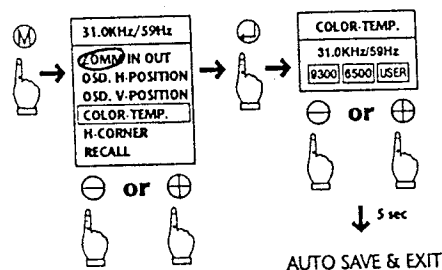Call the factory setting mode
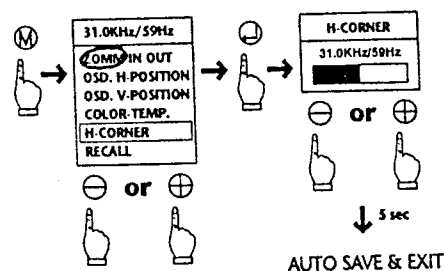
OPERATION

1	POWER SWITCH	(I)	Power switch is used to turn ON or OFF. When the power is ON, The LED power indicator located on the front of the monitor is lit.
2	POWER LED INDICATOR	O	The power LED indicator indicates normal operation or power saving operation.
3	BRIGHTNESS ~~CONTROL~~	☼	Select the Brightness icon. Push the UP/DOWN button and adjust the screen display to the proper Brightness.
4	CONTRAST ~~CONTROL~~	◐	Select the Contrast icon. Push the UP/DOWN button and adjust the screen display to the proper Contrast.
5	~~HORIZONTAL~~ ~~CENTERING CONTROL~~ *H-POSITION*	⊟	Select the Horizontal Centering icon. Push the UP/DOWN button and adjust the screen display to the proper horizontal position.
6	~~HORIZONTAL~~ SIZE ~~CONTROL~~ *H-SIZE*	↔	Select the Horizontal Size icon. Push the UP/DOWN button and adjust the screen display to the proper horizontal size.
7	VERTICAL CENTERING ~~CONTROL~~ *V-POSITION*	⊟	Select the Vertical Centering icon. Push the UP/DOWN button and adjust the screen display to the proper vertical position.
8	VERTICAL SIZE ~~CONTROL~~ *V-SIZE*	↕	Select the Vertical size icon. Push the UP/DOWN button and adjust the screen display to the proper vertical size.
9	PINCUSHION ~~CONTROL~~	◟◞	Select the Pincushion icon. Push the UP/DOWN button and adjust the Pincushion.
10	PINBALANCE	◻	Select the Pinbalance icon. Push the UP/DOWN button and adjust the Pinbalance.
11	~~TRAP CONTROL~~ *TRAPEZOID*	⬛	Select the TRAP icon. Push the UP/DOWN button and adjust the Trap. *Trapezoid*
12	PARALLELOGRAM	▱	Select the Parallelogram icon. Push the UP/DOWN button and adjust the Parallelogram.
13	ROTATION ~~CONTROL~~	( )	Select the ROTATION icon. Push the UP/DOWN button and adjust the ROTATION.
14	ZOOM INOUT		Select the "ZOOM INOUT". Push the UP/DOWN button and adjust the screen display to the proper size.
15	OSD H. POSITION		Select the "OSD H. POSITION". Push the UP/DOWN button and adjust the OSD menu to the proper horizontal position.
16	OSD V. POSITION		Select the "OSD V. POSITION". Push the UP/DOWN button and adjust the OSD menu to the proper vertical position.
17	H. CORNER		Select the "H. CORNER". Push the UP/DOWN button and adjust the horizontal corner.

SPECIFICATIONS

INPUT LEVEL	: Analog 0.7Vp-p
CRT	: 15" 90° Deflection semi-tint, non-glare 0.28mm (0.26mm) DOT PITCH
SCANNING FREQUENCY	: H-sync 30-70KHz, V-sync 50-120Hz
BANDWIDTH	: 100MHz
DISPLAY SIZE	: HOR.270mm, VER.200mm
CONNECTOR	: D-sub 15-pin interface cable
POWER	: 100~240VAC, 50/60Hz
POWER CONSUMPTION	: 75W Max.
	Power Saving
	• steady state(ON) : less than 70W
	• stand-by : less than 50W
	• suspend : less than 15W
	• off mode : less than 5W
WEIGHT	: NET-27.56 lbs, GROSS-33.07 lbs
CABINET DIMENSION	: 15.8"(L) × 14.4"(W) × 14.9"(H)
ENVIRONMENT	: Operating Temperature : 0°C-40°C, Operating Humidity:20%-80%

BASIC CONCEPTION ADJUSTMENT

FACTORY SETTING MODE : This monitor has 10 factory setting modes within micro-processor as follows

NO	H/V RESOLUTION	HORIZONTAL FREQ. (KHz)	VERTICAL FREQ. (Hz)	REMARK
1	640 × 480	31.468	59.94	Non-interlaced
2	720 × 400	31.332	69.782	Non-interlaced
3	800 × 600	35.156	56.25	Non-interlaced
4	640 × 480	37.86	72.81	Non-interlaced
5	1024 × 768	48.363	60.00	Non-interlaced
6	800 × 600	46.875	75.00	Non-interlaced
7	800 × 600	53.674	85.061	Non-interlaced
8	1024 × 768	56.488	70.084	Non-interlaced
9	1280 × 1024	63.751	59.748	Non-interlaced
10	1024 × 768	68.677	84.997	Non-interlaced

And also it has 10 user setting modes which you can store except for factory setting mode. Display user mode except for factory setting modes, please adjust the monitor screen for yourself. After that the screen data is stored to the memory.

Macintosh 大

NO	H/V RESOLUTION	HORIZONTAL FREQ. (KHz)	VERTICAL FREQ. (Hz)	REMARK
1	640 × 480	35.000	66.667	Non-interlaced
2	832 × 624	49.726	74.551	Non-interlaced

T/S Base Installation

1. Place up-side down with care.
2. Place T/S Base to the hold on the bottom of monitor.
3. Push the T/S Base toward the direction of the front panel until you hear a "Click" sound.
4. The T/S Base is now secured in position.
5. When remove the T/S locker, press the ratch and push to the back-side.
6. Must be remove the stand base of the monitor when the monitor packing or moving.

WARNING

• TO PREVENT FIRE OR SHOCK HAZARD.
  1.DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
  2.TILT/SWIVEL BASE MUST BE INSTALLED.
• THE SOCKET-OUTLET SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.