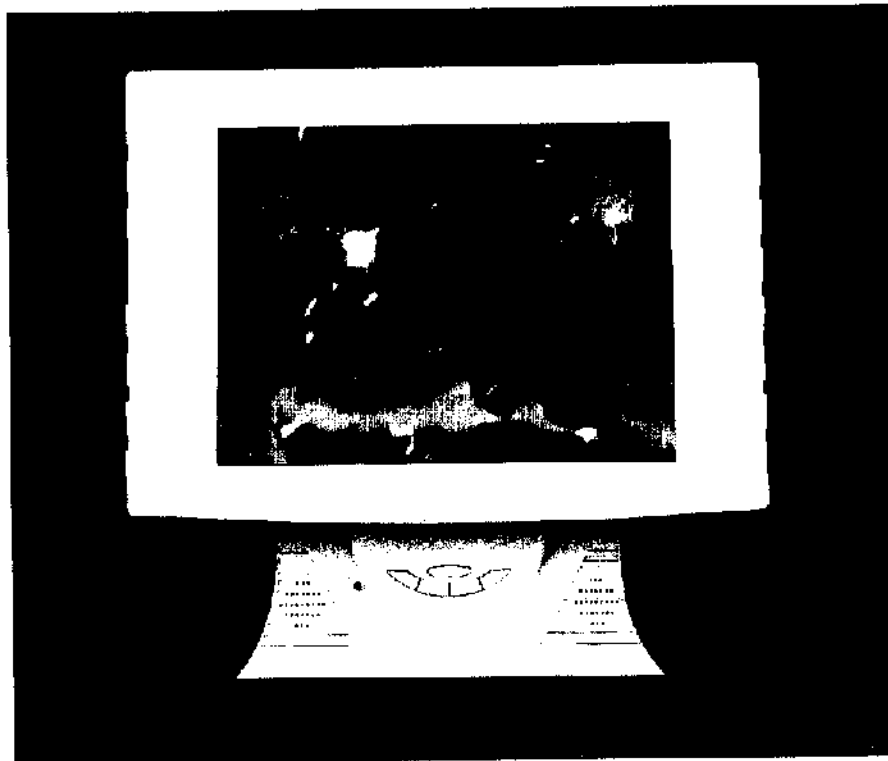


CD-1248 TFT LCD Color Monitor

User' smanual



voltage parts and you may suffer electric shock if you touch these parts. Always handle your LCD with care when moving it.

3、Cleaning the TFT LCD Color Monitor

To clean the screen:

1. Gently wipe the screen with a clean camel hair lens brush, or a soft, clean, lint-free cloth. This removes dust and other particles that can scratch the screen.
2. If it still not clean, blow on the screen and gently wipe with a soft, clean, lintfree cloth. Never pour or spray any liquid directly onto the screen or case of the LCD.

DO NOT APPLY PRESSURE TO THE SCREEN.

4、Package content

Your TFT LCD Color Monitor package includes the following:

- 12 inch TFT LCD Color Monitor
- Power Cord
- Signal Cable
- User's manual

If any of the above items missed or damaged, please contact your distributor

5、Installation

a. Select location

- Make sure that your monitor will be set up on a stable surface.
- The Power socket will be near the monitor.
- Choose a well-ventilated space to position your monitor.
- Avoid exposing the LCD to direct sunlight.
- Adjust the environmental light for the best viewing condition.

b. Connect the signal cable

- Plug in the ends of the signal cable to the monitor and the computer separately, and tighten the connection bolts.

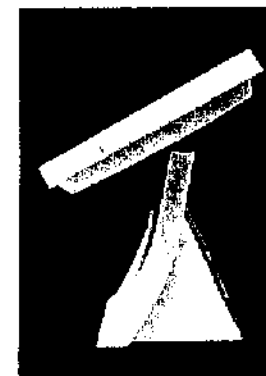
c. Connect the power cord

- Plug in the female end of the power cord to the back of the monitor.
- Plug in the male end of the power cord to the power socket.

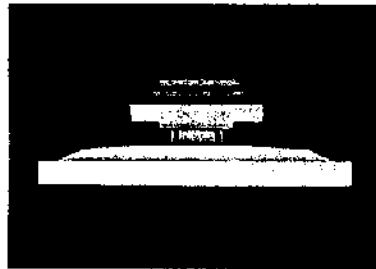
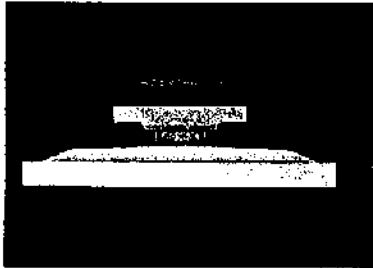
6、Operation

a. Inclination and horizontal position adjustment

- Inclination range: $-85^{\circ} \sim +145^{\circ}$, as follows:



- Horizontal position adjustment: turn the monitor to any directions you wish.



b. Power Switch and power-on

● Power Switch

Power switch locates on the back of monitor, Press I , turn monitor on, press O, turn monitor off. Once the power switch turns on, you needn't turn it off, you need only control and switch on the panel. When PC powers off or enters power-saving state, the power of monitor will automatically change to power-saving state.

WARNING: You must pull out the power cord from the socket, if you want your monitor is thoroughly on power-off condition.

● Display Switch

Display switch is at position on the panel(6-1), Using this switch, you can switch on and off the monitor screen at anytime.

● Display Indicator

The LED locates on the front panel(Fig4-1), When LED turns green, the monitor is ready to use; When LED is not bright, the monitor is on power saving mode, or, the power-off mode.

c. OSD(On Screen Display) Keys

Your TFT-LCD Color Monitor is controlled by five easy to use buttons---Screen ON/OFF, , Menu, +, -, Select(6-1).

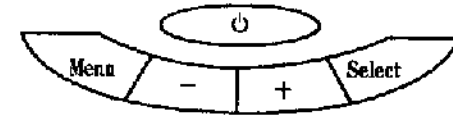


Fig6-1

d. OSD Controls and Adjustments

OSD menu will be appears by clicking the menu key. You can use the four OSD keys for controls and adjustments of optional value.(e.g. brightness, contrast, etc.)

The functions of OSD keys are as follows:

Keys	Switch function
Menu	First click: Pop up the OSD main menu. Second click: Remove OSD Menu or move to Previous Menu.
+	Move to next menu item or increase current optional value.
-	Move to previous menu item or decrease current optional value.
Select	Select and confirm
	Screen ON/OFF

e. OSD MENU ITEMS

The OSD main menu (Figure 4) is displayed when the MENU (S7) keypad push button is pressed with the ZAN1RD1 power device properly connected. The OSD menu display is a combination of graphics and text. The first line always shows the current selected in the top bar. Each graphic icon represents a single menu item or entry to a sub-menu.

The Genesis Microchip logo is displayed when the S1 keypad push button is pressed during idle.

The LEFT and RIGHT keypad push buttons are used to scroll through items within the main menu. The selected item is highlighted. The CONFIRM key is used to activate the highlighted item. The EXIT key is used to close the OSD menu.

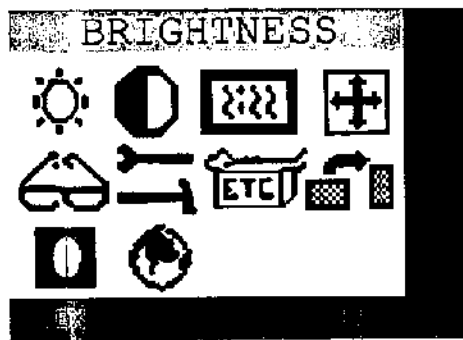


Figure 4. OSD Main menu



BRIGHTNESS

The Brightness menu item is used to adjust the brightness of the selected RGB channel. A slider indicating the current brightness value is displayed. The adjustment range is 0 to 63.



Figure 5. Brightness Slider



CONTRAST

The Contrast menu item is used to adjust the contrast of the selected RGB channel. A slider indicates the current contrast value. The range of adjustment is 0 to 255.



Figure 6. Contrast Slider



COLOR CONTROL

The Color menu is used to adjust the brightness of Red, Green, Blue, or all color channels.

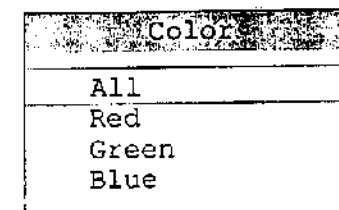


Figure 7. Color Menu

POSITION

The Position menu allows the adjustment of image position in Analog input mode.

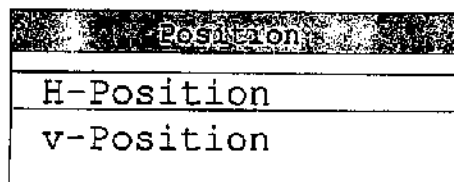


Figure 6. Contrast Slider

IMAGE

The Image menu allows the adjustment of ADC clock and phase in Analog input mode. In Digital, Video, and S-Video input modes, clock and phase are fixed.

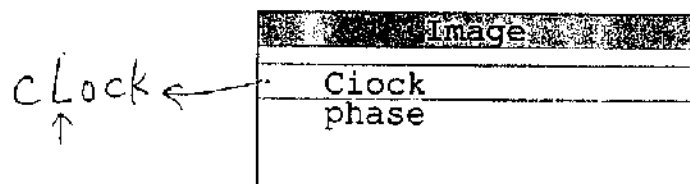


Figure 11. Image Adjuster for Analog Input Mode

AUTO CONFIGURATION

Auto Configuration automatically adjusts image position, clock, and phase in Analog input mode. A confirmation box as shown below is displayed to confirm the user selection. The default selection in the box is No, highlighted by a yellow bar. If the EXIT key is pressed, the main menu is re-opened and no changes are saved.



Figure 14. Auto Configuration Menu in Analog Input Mode



CELLANEOUS

The miscellaneous menu is used to select miscellaneous and sub-menus.

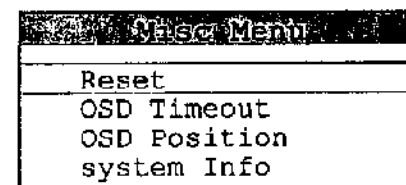


Figure 15. Miscellaneous Menu

1. Reset

It is used to reload all the default parameters. Previously saved changes in EEPROM are replaced by default values. A confirmation box is displayed to confirm the selection. The default selection is No, and is highlighted by a yellow bar. If the EXIT key is pressed, the main menu is displayed.



Figure 16. Reset confirmation box

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1, Introduction

The advantages of LCD monitor are that There is no harmful X radiation caused by high energy electron bombing the screen, also There is no air pollution caused by screen high voltage static electric, macromolecule ion adsorbing. And because of its soft and steady image quality, your eyes will never feel dry and sore.

This monitor has more features as follows:

- High resolution, high contrast color TFT LCD providing sharp, flicker-free image
- Power management circuit conforming to VESA® DPMS™ standard that reduces energy consumption when the LCD is not in use.
- Equipped with DDC1TM and DDC2BTM for Plug & Play compatibility
- Supports SYGA resolution of 1024X768 as well as VGA modes for IBM or compatible and Power Macintosh, Power PC, and Macintosh compatibles.
- Saves more than 2/3 of space (foot print) & energy (power).
- Two speakers each 2W, able to use in multi-media application.
- International Standard Met: UL, CSA, FCC, TuV/GS, CE and U.S.FCC Standard
- Built-In Power Supply has power-saving function.

2, Precautions

- Sit at least 18" from the TFT LCD Color Monitor.
- Do not apply pressure to the screen because the LCD is very delicate.
- Do not touch the screen directly with your fingers, because you may damage the screen, and the oil from your skin is difficult to remove.
- Do not place anything on top of the LCD.
Ensure the area around the LCD clean and moisture-free.
- Do not place heavy objects on the power cord, video or audio cables, or on the LCD.
- If smoke, abnormal noise, or strange odor is present, immediately switch the LCD off and call your dealer. It is dangerous to continue using the LCD.
- Never remove the rear cover, because the display unit contains high-

2. OSD Timeout

OSD Timeout is used to set the OSD idle time-action, key press or automatic configuration of the defined period, the OSD menu is closed. There are four OSD time-out values available

OSD Timeout	
15	Seconds
30	seconds
45	seconds
->60	seconds

Figure 17. OSD Time-out Menu

OVERLAPPING MODES

The overlapped modes menu has two settings: either OFF. This differentiates between 720X400X 840X400X70 modes.

0 INFORMATION

This menu is used to display information about the sys OSD window is displayed for 60 seconds after which returns to Main menu. If the EXIT key or - sign is indicate the polarity of Vsync and Hsync.

SYSTEM INFO	
Board	:24SXEV1
Version	:0.01
Mode	:1024 X 768
H-Freq	:31.46KHZ +
V-Freq	:85.32HZ +

Figure 21. System Information



LANGUAGE

Select the language, either English or French. The default setting is English OSD characters.

Language
English

Figure 22. Language Selection



RESET

By selecting this item, all mode settings are stored in the EEPROM by factory will be restored.



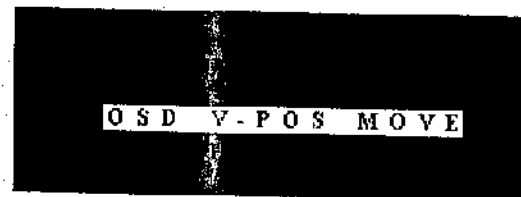
BRIGHTNESS

By selecting this item, you can adjust the brightness.



OSD WINDOW LOCATION

By selecting this item, you can adjust the location of OSD window.



s d menu

try

Sub Menu	Adjustment	Functionality
	100 steps	Adjust brightness of selected RGB channel.
	100 steps	Adjust contrast of selected RGB channel.
	100 steps	Adjust black level of selected RGB channel.
		Select RGB channel.
H-Position	+/- 128 pixel from VESA standard	Move input image capture window left or right.
V-Position	+/- 64 lines from VESA standard	Move the input image capture window up or down.
		English
Clock	+/- 128 clocks from VESA standard	Adjust number of clocks per line.
Phase	32 steps	Adjust phase of ADC sample clock.
	Yes/No	Automatically adjust image position, clock.
	Gamma 1.0, Gamma 1.4, Gamma 1.8, Gamma 2.2	Select gamma correction setting.
	Moire 1, Moire 2, Moire 3, Moire 4	Select moire correction setting.
	10 steps	Select text enhancement setting.
	Hue/Tint, Sharpness	Adjust Video image.
		Display the normal and rotated font character.
Factory Reset		Reset menu parameters to factory default.
NVRAM INIT		Clear NVRAM, set to defaults.
OSD Timeout	15s, 30s, 45s, 60s	Adjust the OSD Menu time out if there is no key input.
OSD Position		Adjust the Horizontal and Vertical position menu across the display screen.
System Info		Miscellaneous system information.

8. Troubleshooting

PROBLEM	SOLUTION
The power switch is on, but The LED light doesn't work.	Check and make sure that the power cord and signal cable are securely connected, then press key on the front panel.
There is a glaring line at the edge of screen(vertical or horizontal line), or the display is not at the center of screen.	Enter MENU, select Auto or H-POSITION or V-POSITION, adjust it.
The screen picture quivers and shows unsteady.	Connect the signal cable tightly and correctly.
The screen picture jitters and waves.	Move electric facilities away, which will interfere the monitor.
The picture is fuzzy, or the color is not bright.	Enter MENU, select BRIGHTNESS, CONTRAST, and COLOR CONTROL, adjust it.
The picture is adjusted to a mess, and can't come back to the original settings.	Enter MENU, select AUTO or Reset.

9. Technical data

Model Name	CD-1248
Display Type	TFT
Display Size	12.1"
Resolution	800X600
Pixel Pitch	0.307mmX0.307mm
Display Area	246(W)X184.5(H)mm
Response Time	30msec
Number of Colors	256K
Contrast	300 : 1
Brightness	250 cd/m ²
Viewing angles	Horizontal: -60° +60° Vertical: -55° +45°
Input Signal	Analog RGB: 0.7Vpp
Input Connector	D-SUB 15 PIN
Plug & Play Support	VESA DDC1/2B
Power Management	DPMS
Vertical Frequency	56 ~ 75Hz
Horizontal Frequency	36.0 ~ 49.5KHz
Input Voltage	AC100V ~ 230V, 50/60Hz
Power Consumption	22W(Max.)--Operation 4W(Max.)--Energy Saving Mode
Accessories	Power Cord, Signal Cable, User's Manual
Operating	Temperature: 0 ~ 40 °C Humidity: 85%
User Control	OSD: Menu, +, -, Select, ⏻
Outline Dimension	357 X 355 X 185 mm
Weight	Net: 4.8kg Gross: 6.1kg

FCC INFORMATION

This equipment has been tested and found to comply with the limits of 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 the interference will not occur in a particular installation. If this equipment does cause unacceptable 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 equipment and receiver; or connect the power plug into an outlet on a circuit different from that to which the receiver is connected.

FCC WARNING

To assure continued FCC compliance, the user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to Am TRAN products will void the user's authority to operate this device. Thus Am TRAN will not be held responsible for the product and its safety.

CE CERTIFICATION

This device complies with the requirements of the EEC directive 89/336/EEC with regard to electromagnetic compatibility.