

TFT LCD MONITOR

USER MANUAL

Model No. L84R

8.4" TFT LCD Monitors x 2

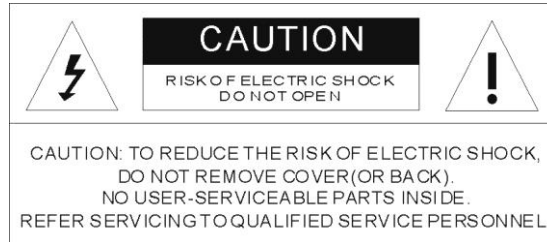
(Mounted in a 19" Rack Mount.)



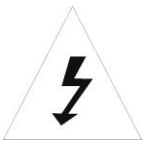
WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.
DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLS.

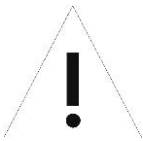
CAUTION:



Explanation of Graphical Symbols



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Precautions

Safety-----

Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it any further.

Unplug the unit from the wall outlet if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.

Allow adequate air circulation to prevent internal heat built-up. Do not place the unit on surfaces(rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes

Installation-----

Do not install the unit in an extremely hot or humid place or in a place subject to excessive dust or mechanical vibration.

The unit is not designed to be waterproof. Exposure to rain or water may damage the unit.

Cleaning-----

Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzene as they might damage the finish of the unit.

Retain the original carton and packing materials for safe transport of this unit in the future.

Safety Precautions

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.
- You are cautioned that changes or modifications not expressly approved by that party responsible for compliance could void your authority to operate the equipment.

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received including interference that may cause undesired

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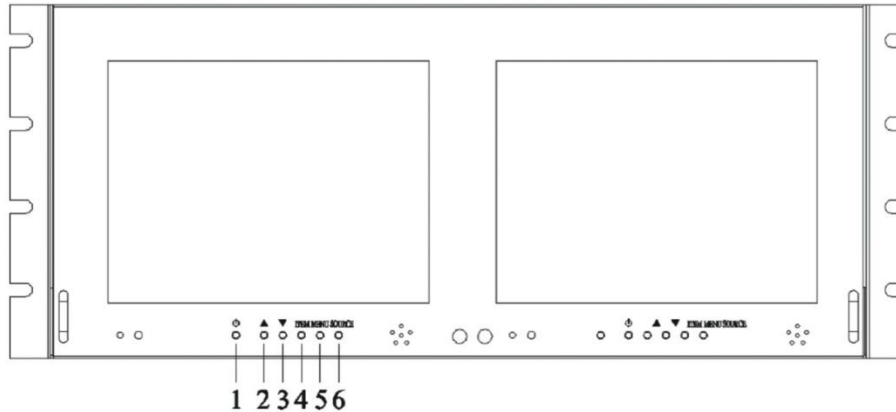
Features

Model - **L84R**

- Compatible with VGA (640 x 480).SVGA(800x600).
- Automatic or manual detection of separate synchronize and composite synchronize of SVGA/VGA signal.
- High brightness of 450 cd/m².
- PIP Control Function (Only PC/Video).
- Screen protector (Anti-blur /Image auto move).
- NTSC/PAL Auto Switch.
- 3D De-interlace Technology.
- 3D Comb Filter Technology.
- Automatic Color Control and Color Killer.
- Luminance transient improvement(LTI),Chrominance transient improvement(CTI)
- Directional zoom engine.
- 1 x Composite Video In/Out, and 1 x VGA D-sub In.
- 2 x Full HD In HDMI,1 x Audio In.
- Video out support auto termination (75 Ohms).
- Build-in 2W speaker.
- Support IR remote controller..
- User Friendly OSD.

Key Operating Instructions

(L84R)



(1). Power

Turn the monitor on/off.

LED: Green Monitor on

LED: Red: Standby mode (no input signal)

(2./3). Adjust Up / Down ▲/▼

Increase or decrease the values in the OSD menu:

Up: Increase the values.

Down: Decrease the values.

(4). Item:

Hot key for OSD adjustments of volume, contrast, brightness, hue, saturation, sharpness, and Red, Green, Blue.

(5). Menu:

Press this button to call-up the OSD menu.

This button is also used as "Exit".

(6). Source:

To switch the video inputs, (or sub picture source in pip mode)

This button is also used as "Enter" and "Select" function in the OSD menu and to confirm your selected settings in the OSD menu.

KEY Lock Function:

*****Push "Menu" and "Item" after the LED flashes, OSD of screen will show "Key Lock" Into key lock mode.**

And push again after the LED flashes, OSD of screen will show "Key Unlock " Into key unlock mode.

IR remote control

(1). **Power:**

Press this button to turn the monitor on/off.

(2). **Zoom:**

Press this button to toggle between the different picture formats:

Full/Zoom/Subtitle/Regular/Panorama

(3).  **Mute:**

Press this button to disable the sound.

Press this button again to turn the sound on again.

(4). **Freeze:**

Press this button to freeze the picture.

Press this button again to disable the freeze picture and to re-establish the normal picture.

(5). **PC/HD, AV1/AV2, SV:**

You can select the appropriate signal source directly (PC = VGA).

(6). **Item:**

Hot key for OSD adjustments of volume, contrast, brightness, hue, saturation, sharpness, and Red Green Blue.

(7). **Source:**

To switch the video inputs (or sub picture source in pip mode),

Please use the IR remote control included in the delivery

This button is also used as “Enter” and “Select” function in the OSD menu and to confirm your selected settings in the OSD menu.

(8). **OK / Menu:**

Press this button to call-up the OSD menu.

This button is also used as “Exit”.

Note: The menu button is also used to return to the previous menu.

(9). **Select ▲/▼:**

Directional buttons up/down.

(10). **Display:**

Press this button to call-up screen information such as resolution, signal source, etc.

(11). **Picture:** Press this button to toggle between the different picture modes: User, Standard, Movie, and Vivid.



(12). **PIP:**

Press this button to select the picture-in-picture function. Define the size of the sub picture:

Small, Medium, Large, POP Full, POP 4:3, OFF.

(13). **Swap:**

When in PIP mode, press the swap button to switch the main picture and the sub picture.

The swap button is only active if you have defined a sub-picture before.

(14). **Position:**

When in PIP mode, press the position button to define the position of the sub-picture: Either in one of the four screen corners or centered.

(15). **ID:** Can be control several monitors are installed in the same area.

In ID mode, press ID key, then input setting number (01~99), to unlock "ID" function.

Please press "ID" key again to lock "ID" function.

(16). **0~9:** For ID setting number used.

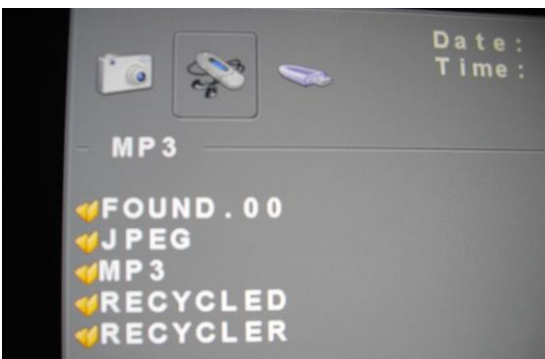
(17). **USB/Right/Left/Catalog:**

17.1: Press "USB" Key into the JPEG Menu.
USB Main menu

17.2: Press "MENU" Key into the



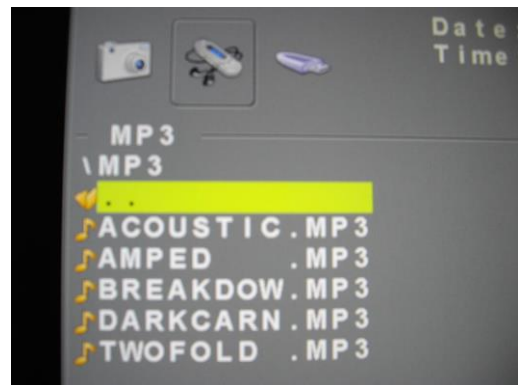
17.3: Press "Left" or "Right" key to select the JPEG/MP3/DRIVE function.



17.4: Press "Up/Down" Key to select play file.



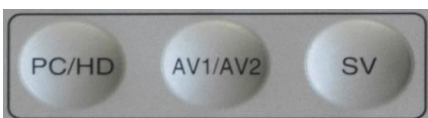
17.5: Press "Right" Key to into the file



17.6: Press "Up/Down" Key to select the play file and press Right key to play. Press "Menu" to stop play. Then press "Catalog" to return the menu. And press "Menu" into the USB Main menu.

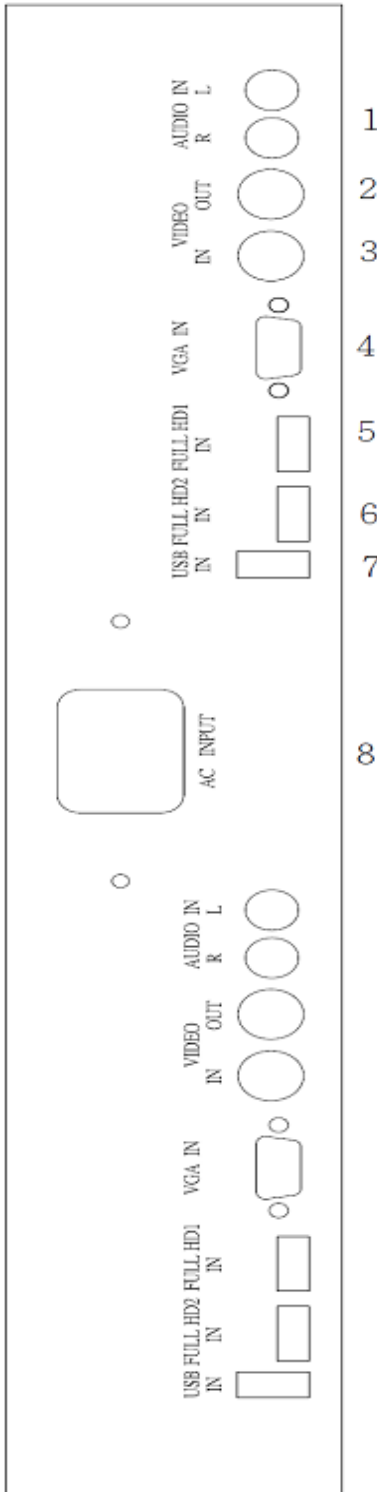


17.7: Press "PC/HD,AV1/AV2;SV" to exit the USB function.



Connections

(L84R)



- 1 .AUDIO In
Audio Signal Input, this input is for VIDEO & VGA (refer to Note below).
- 2 .VIDEO Out
Video looping output.
- 3 .VIDEO In
Composite signal input.
- 4 .PC VGA In
5. FULL HD1 In
6. FULL HD2 In
- 7.USB In
8. AC Power Input for both Monitors

NOTE:

Connections of Audio

	Audio
VGA	V
VIDEO	V

Monitor settings via OSD menu

Various monitor settings can be made using the OSD menu (On Screen Display).

Press the Menu/OK button to call-up the OSD main menu. Here you can make adjustments to the following items:

- Picture
- Sound
- OSD Setup
 - Advance
 - PIP
 - PC (at PC input signal)

Use the ▲/▼ buttons to toggle between the different items.

Press the Source button to select the appropriate item.

Picture

Use the ▲ ▼ buttons to select adjusts item, and press source button to confirm.

Then use the ▲ ▼ buttons to increase/decrease the values,
or use “source” button to change the values.

Press the menu button to return to the previous menu item.

Item	Description
Contrast	Use the ▲ ▼ buttons to increase/decrease the screen contrast.
Brightness	Use the ▲ ▼ buttons to increase/decrease the screen brightness.
Hue	Use the ▲ ▼ buttons to increase/decrease the hue.
Saturation	Use the ▲ ▼ buttons to increase/decrease the saturation.
Sharpness	Use the ▲ ▼ buttons to increase/decrease the sharpness.
Color Temp.	Use the source buttons to select the color temperature: Normal, Warm, Cool, User.
Picture Mode	Use the source buttons to select the picture mode: User, Standard, Movie, Vivid.
DNR (Noise Reduction)	Use the source buttons to select the level of noise reduction: Off, Low, Medium, High.
DLC	Use the source buttons to change the Black Level Extension on/off.

Sound

Use the ▲ ▼ buttons to select adjusts item, and press source button to confirm.

Then use the ▲ ▼ buttons to increase/decrease the values,
or use “source” button to change the values.

Press the menu button to return to the previous menu item.

Item	Description
Volume	Use the ▲ ▼ buttons to adjust the volume.
Mute	Use the source buttons to change the Mute on/off.
Sound Mode	Use the source buttons to adjust the effect: User, Live, Pop, Rock.
Bass	Use the ▲ ▼ buttons to adjust the bass.
Treble	Use the ▲ ▼ buttons to adjust the treble.
Balance	Use the ▲ ▼ buttons to adjust the balance.

OSD Setup

Use the ▲ ▼ buttons to select adjusts item, and press source button to confirm.

Then use the ▲ ▼ buttons to increase/decrease the values,
or use “source” button to change the values.

Press the menu button to return to the previous menu item.

Item	Description
Language	Use the source buttons to select the language.
Set ID	Can be control several monitors are installed in the same area. Use the source buttons to into the function. Then use up/down key to select you setting the number (01~99), then press menu to exit osd. Press IR remote control “ID” key again to confirm the Set ID function.
Gamma	Use the source buttons to set the gamma values.(0,1,2)
Freeze	Use the source buttons to freeze the picture. Press this button again to disable the freeze picture and to re-establish the normal picture.
OSD Time	Use the ▲ ▼ buttons to setting the OSD menu display time.
Transparency	Use the ▲ ▼ buttons to setting the OSD menu display halftone.
Recall	Press the source button to restore the factory settings.
Screen Saver (Anti blur)	Use the source buttons to on/off the screen saver:[Screen protector-Anti blur]
Version	Firmware Version

Advance

Use the ▲ ▼ buttons to select adjusts item, and press source button to confirm.
Then use the ▲ ▼ buttons to increase/decrease the values,
or use “source” button to change the values.
Press the menu button to return to the previous menu item.

Item	Description
Scale	Use the source buttons to select the picture size: Full/ Zoom1/ Zoom2/ 14:9/ Panorama/ 4:3.
Scan Size	Use the source buttons to select the real image size: Normal/Native
H Position	Use the ▲ ▼ buttons to position the picture horizontally.
V Position	Use the ▲ ▼ buttons to position the picture vertically.

PIP

Use the ▲ ▼ buttons to select adjusts item, and press source button to confirm.
Then use the ▲ ▼ buttons to increase/decrease the values,
or use “source” button to change the values.
Press the menu button to return to the previous menu item.

Item	Description
Multi Window	Use source button to select the picture-in-picture function: PIP, POP Full, POP 4:3 Off.
Sub Source	Use source button to select the source of the PIP sub-picture.
Size	Use source button to set the size of the sub-picture: Small, Medium, and Large.
Position	Use source button to define the position of the sub-picture. Note: This function is only active if you have previously defined a sub picture.
Border Color	Use source button to select the sub-picture background color: Black /Blue.
Sound Source	Use source button to select the sound source: Main/Sub.
Swap	Use source button to swap the main picture and the sub picture. Note: This function is only active if you have previously defined a sub picture.

PC

Use the ▲ ▼ buttons to select adjusts item, and press source button to confirm.

Then use the ▲ ▼ buttons to increase/decrease the values,

or use “source” button to change the values.

Press the menu button to return to the previous menu item.

Item	Description
Contrast	Use the ▲ ▼ buttons to increase/decrease the screen contrast.
Brightness	Use the ▲ ▼ buttons to increase/decrease the screen brightness.
Colour Temp	Use the source buttons to select the colour temperature: Normal, Warm, Cool, RGB, User.
Auto Adjust	Use the source buttons to Adjust the best image.
Sharpness	Use the ▲ ▼ buttons to increase/decrease the sharpness.

PC timing:

Mode	Resolution
1	800 x 600 @ 60
2	800 x 600 @ 72
3	800 x 600 @ 75

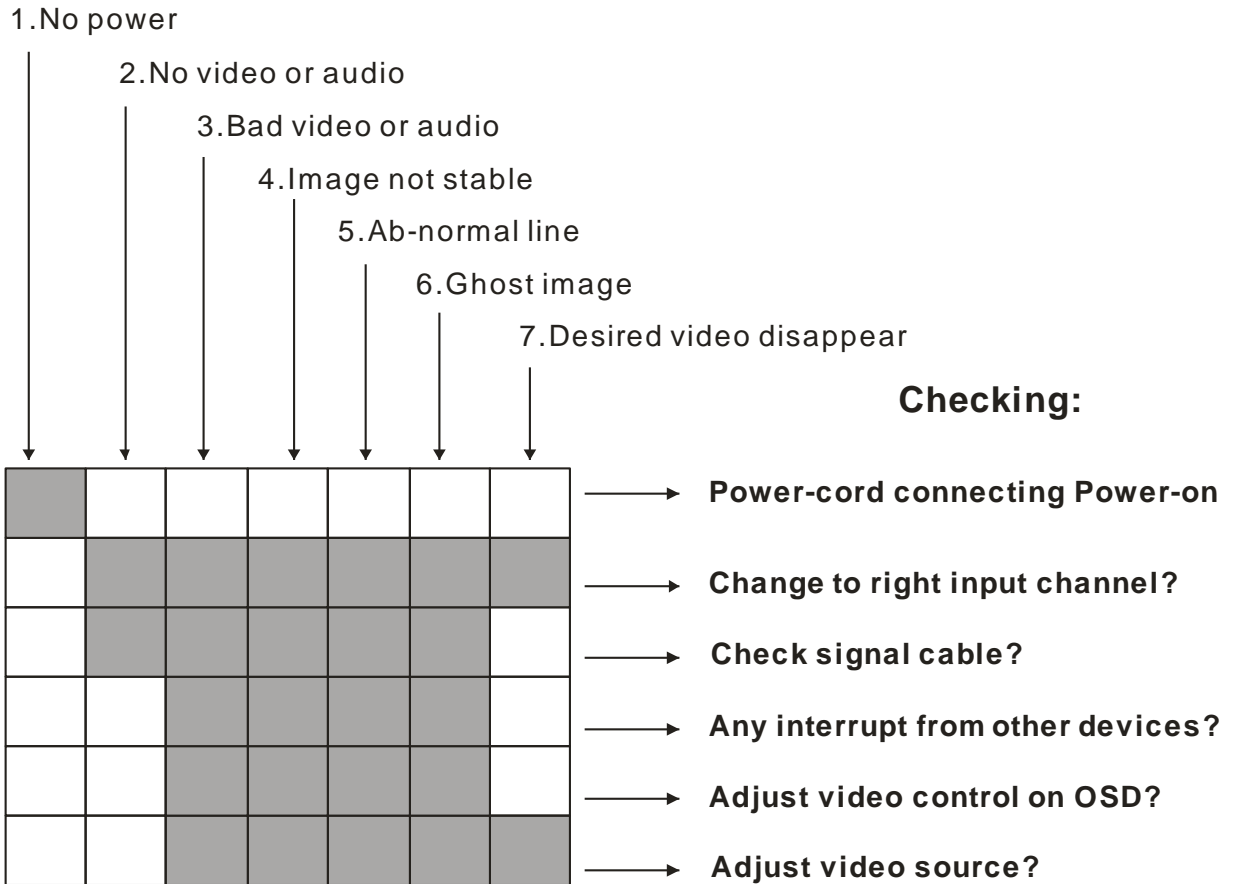
Specification

Model	L84R	
LCD Panel	8.4" TFT	
Display color	262K	
Display area	170.4 x 127.8mm	
Resolution	800 x 600	
Brightness	450cd/m ²	
Contrast Ratio	600:1 typ.	
Response Time	Tr:20ms tf:10ms	
View angle	L/R	80 (left), 80 (right)
	U/D	60 (up), 80 (down)
Input Signal	1 x/1 x IN/Out Composite (BNC x 2) 1 x VGA input (D-Sub 15 pin) 2 x Full HD input (A Type)	
Audio In(R/L)	1 x (RCA x 2)	
Speaker	2 x built-in speaker (2 watt)	
3D Comb Filter	Yes	
3D De-Interlace function	Yes	
Picture-in-Picture (PIP)	Yes (video/PC)	
Operating	OSD	
Power Supply	AC 100~240V 50/60Hz	
Power Consumption	10.5W	
Dimension	480 x 189.2 x 161.2	
Weight	4.3kg	
Temperature	0~50°C	
Humidity	20%~80%	

Appendixes

A. TROUBLE SHOOTING

Problem:



Package List

A. LCD Monitor	X 2 (In one cabinet)
B. Power Cord	X 1
C. Remote Control	X 1
D. DB15-DB15 VGA Cable	X 2 Optional
E 1/8" male to 1/8" male audio cable	X 2 Optional
F. User Manual	X 1