

Installation and user instructions for :  
VFS-L Range of flat screen monitors





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## CE INFORMATION

The product must be installed according to the currently valid installation regulations for EMC to guarantee the designed use and to prevent EMC problems.

The device supplied with this manual is according to the EC, EMC Directive, 89/336/EEC & LVD 73/23/EEC

Standard used for showing compliance with the essential requirements of the device:

EN 55022

EN 61000-3-2

EN 61000-3-3

EN 50130-4

EN 55024

LVD: EN60950-1

## **SAFETY PRECAUTIONS**

1. Do not modify the three pin monitor power plug in any way.
2. Operate this unit only from the type of power source indicated on the label.
3. Do not block or cover ventilation openings on the back or bottom of the monitor cabinet.
4. Do not place this monitor near a radiator or heating vent.
5. Do not push objects of any kind through cabinet openings. This may result in fire or electrical shock.
6. Before adding attachments always ask a service technician to perform routine safety tests to determine that equipment is in safe operating condition. Ground potential tests should be part of the routine safety check made by the service technician.
7. Do not place monitor on an unstable stand, or shelf where it may fall and injure personnel or damage equipment.
8. Route power cords so that they cannot be walked upon or tripped over. Do not allow anything to rest on the power cord.
9. Do not install monitor in wet areas, or where it may be exposed to rain or water. Do not spill liquid of any kind on the unit.
10. Unplug the power cord from the unit before cleaning the display. Use only a damp cloth. Do not use alcohol, spirits, or ammonia to clean the display. **DO NOT ATTEMPT TO CLEAN THE INTERIOR OF THIS UNIT- THIS ACTION MUST BE PERFORMED BY THE SERVICE TECHNICIAN AS REQUIRED DURING NORMAL MAINTENANCE.**
11. Refer all servicing to qualified service personnel. **REMOVAL OF BACK COVER BY UNAUTHORIZED PERSONNEL MAY EXPOSE THE USER TO DANGEROUS VOLTAGES OR OTHER HAZARDS.**
12. Unplug the unit immediately and notify the service technician.
  - A. If liquid has been spilled into the display or the display has been exposed to rain or water.
  - B. If the unit has been dropped or the cabinet damaged.
  - C. If fuses continue to blow.
  - D. If the power cord is damaged or frayed.
  - E. If a distinct change from normal operation is apparent.

When replacement parts are required, be sure that the service technician uses components specified by the manufacturer which have the same characteristics as the original parts. **UNAUTHORIZED SUBSTITUTIONS MAY RESULT IN FIRE, ELECTRICAL SHOCK OR OTHER HAZARDS.**

Upon completion of any service or repairs, ask the technician to perform safety checks to determine that the equipment is in safe operating condition.

**WARNING: SERIOUS SHOCK HAZARDS EXIST WITHIN THE COVERS OF THIS MONITOR. DO NOT OPEN THE COVERS UNDER ANY CIRCUMSTANCES, THERE ARE NO USER SERVICEABLE COMPONENTS INSIDE**

# 1. Controls and indicators



## Input Button ( i )

- Press the button to select the input signal to be displayed on the screen, CVBS1, CVBS2, S-Video or VGA.

## Menu Button ( M )

- Press the button to show the main OSD menu.
- As a confirmation key during the OSD operation.

## - / + BUTTONS

- Press the buttons to move the cursor to wanted parameter to be set up in OSD main menu.
- Press the buttons to adjust the value of selected parameter in sub OSD menu.

## LED identification

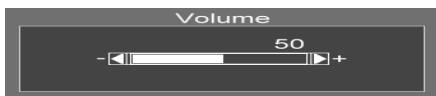
- Green- Power on
- Orange- Power off (Stand by)
- Flash Orange- Sleep mode (only PC mode)

## Power BUTTON

- Press the button to turn on or turn off the monitor

## 2. Monitor Menu set-up

Quick adjust keys from front panel hot keys:



**Volume** : Press - Or + button to select the function and press - / + buttons to adjust the volume , the press MENU button to exit OSD menu.

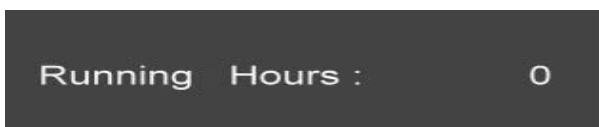
**KEY LOCK** : Push MENU+CHANNEL+POWER key for 2.5 sec to enable this function.



**KEY UN-LOCK** : Push CHANNEL + POWER + MENU key for 2.5 sec to disable this function.



**RUNNING HOURS** : Push MENU + POWER key for 2 sec to display this information.

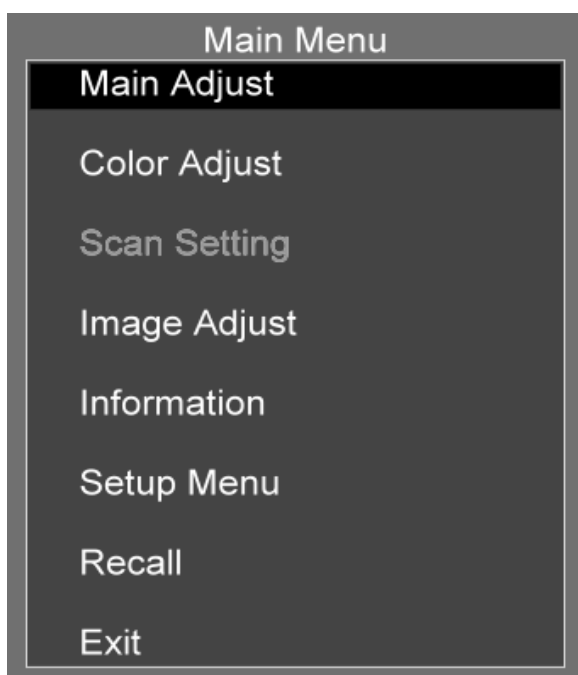


## OSD Menu structure

Use the CHANNEL button to select either VGA, CVBS1, CVBS2, or S-VIDEO, the menu structure within each varies, refer to sections below on how to set-up each option.

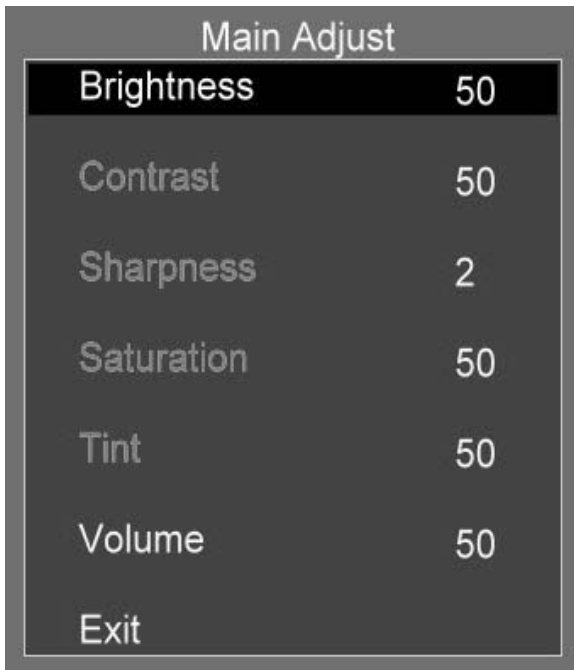
### VGA - PC mode:

Press the Menu button the bring up the MAIN MENU Page. The following page will appear  
Press - /+ buttons to select an icon, then Press MENU button to change the values in the sub menu.





## MAIN ADJUST:



Main Adjust	
Brightness	50
Contrast	50
Sharpness	2
Saturation	50
Tint	50
Volume	50
Exit	

1. Press - / + buttons to select an icon
2. Press MENU button to select item,
3. Press - / + buttons to adjust the value
4. Press MENU button to return

**BRIGHTNESS** : Adjust the brightness value

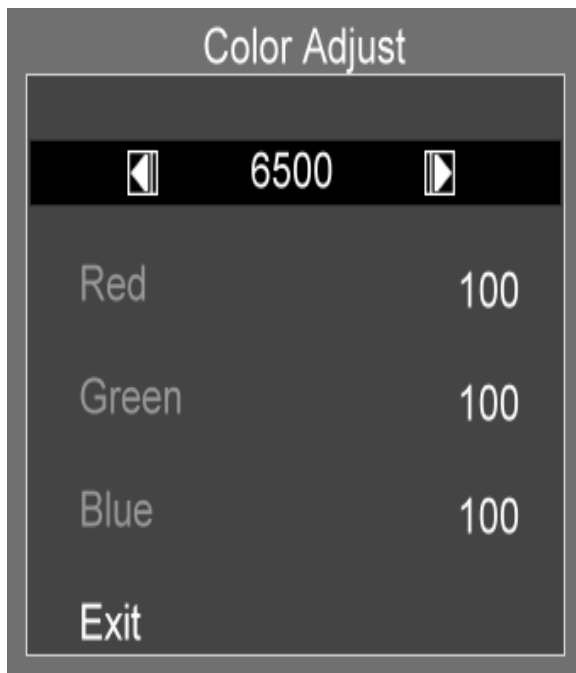
**CONTRAST** : Adjust the contrast value

**VOLUME** : Adjust the volume

**EXIT** : Press MENU button to return to the main menu

## COLOR ADJUST :

Set the color temperature of the LCD monitor for the CIE coordinate 9300°k or 6500°k or USER MODE



1. Press - / + buttons to select an icon
2. Press MENU button to select adjust item,
3. Press - / + buttons to adjust the value
4. Press MENU button to return

**6500** : Adjust the color temperature.

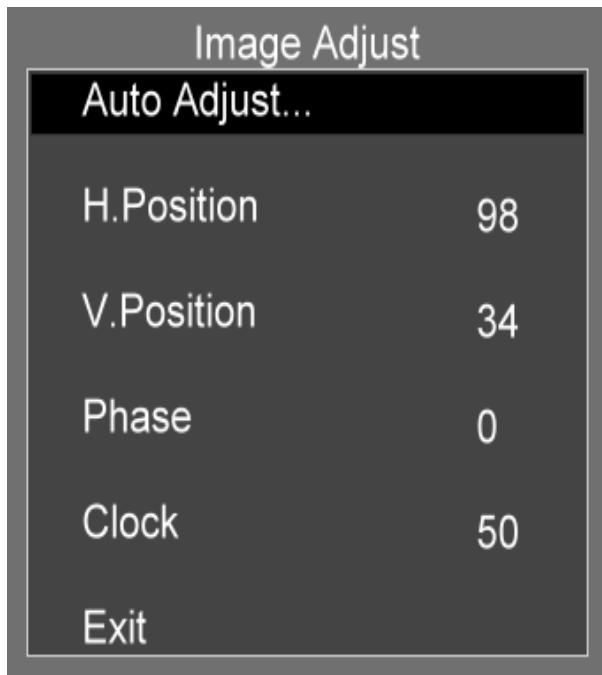
**RED** : Adjust the RED value for user mode.

**GREEN** : Adjust the GREEN value for user mode.

**BLUE** : Adjust the BLUE value for user mode.

**EXIT** : Press MENU button to return to the main menu

## IMAGE ADJUST :



1. Press - / + buttons to select an icon
2. Press MENU button to select adjust item
3. Press - / + buttons to adjust the value
4. Press MENU button to return

**AUTO ADJUST** : Press MENU buttons to auto adjust the H.Position,  
V.Position, Phase, Clock

**H. POSITION** : Adjust the horizontal position value

**V. POSITION** : Adjust the vertical position value

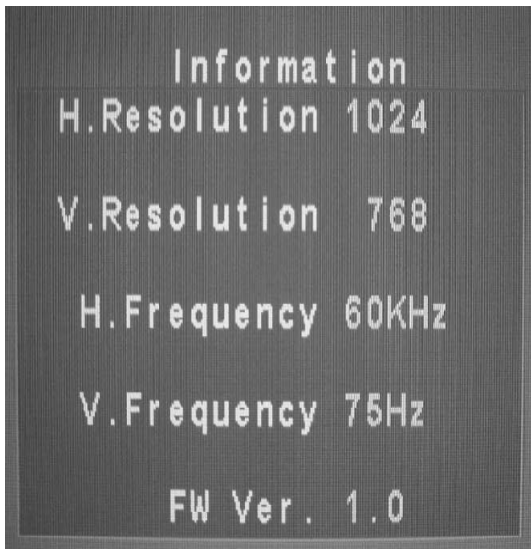
**PHASE** : Adjust the phase value

**CLOCK** : Adjust the clock value

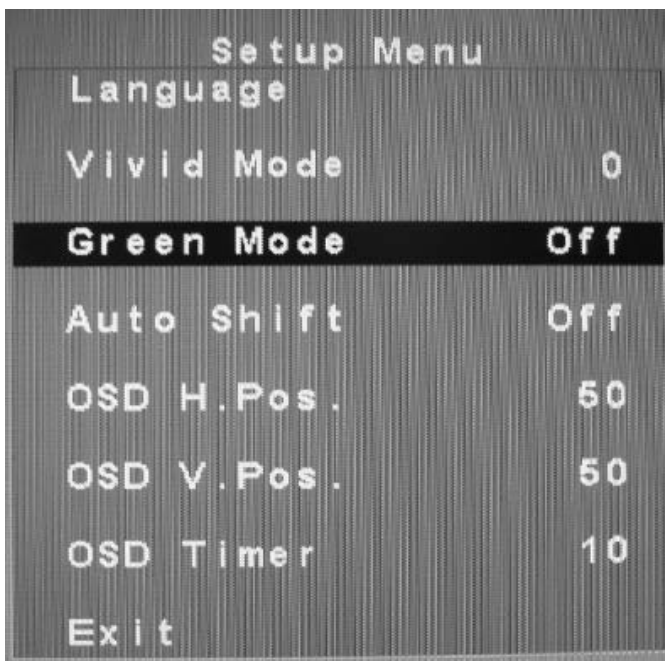
**EXIT** : Press MENU button to return to the main menu

## **INFORMATION :**

Press MENU button to get the VGA timing information



## **SETUP MENU :**



1. Press - / + buttons to select an icon
2. Press MENU button to select adjust item
3. Press - / + buttons to adjust the value
4. Press MENU button to return

**LANGUAGE** : Press MENU buttons to change the language

**VIVID MODE** : 0:NORMAL, 1:TEXT, 2:PHOTO, 3:MOVIE

**GREEN MODE** : Off or On (5 min~10 min)

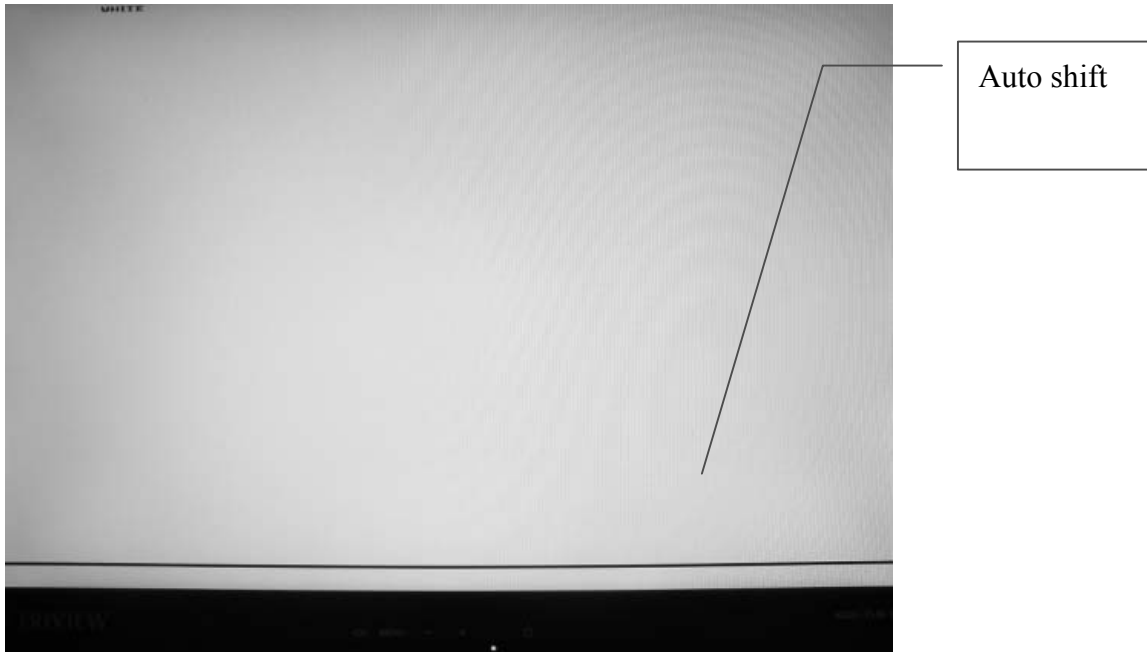
Off – No function

On – Screen will reduce back light to 80% within (5Min to 10Min)  
Screen will back to normal when any button being touched.

**AUTO SHIFT** : Adjust AUTO SHIFT ON/OFF

Off – No Function

On – Every one hour there will one scan line from bottom to top ( Every 3 second up one scan line) to prevent panel sticking.



**OSD H. POS.** : Adjust the OSD horizontal position value

**OSD V. POS.** : Adjust the OSD vertical position value

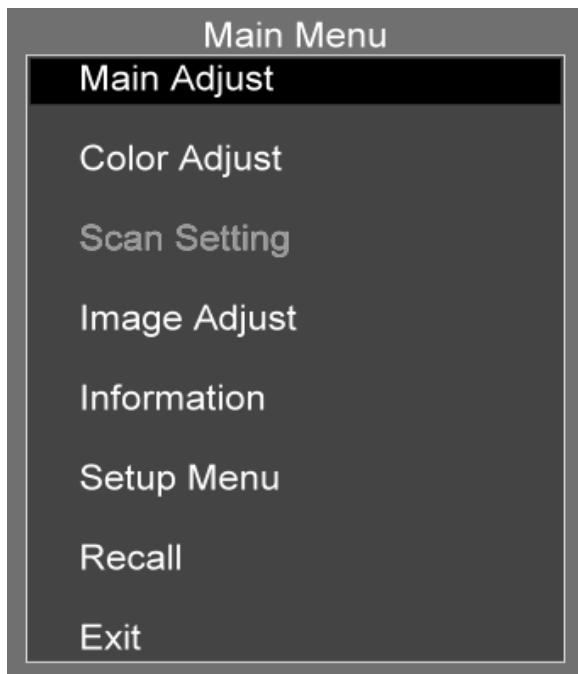
**EXIT** : Press MENU button to return to the main menu

**RECALL** :

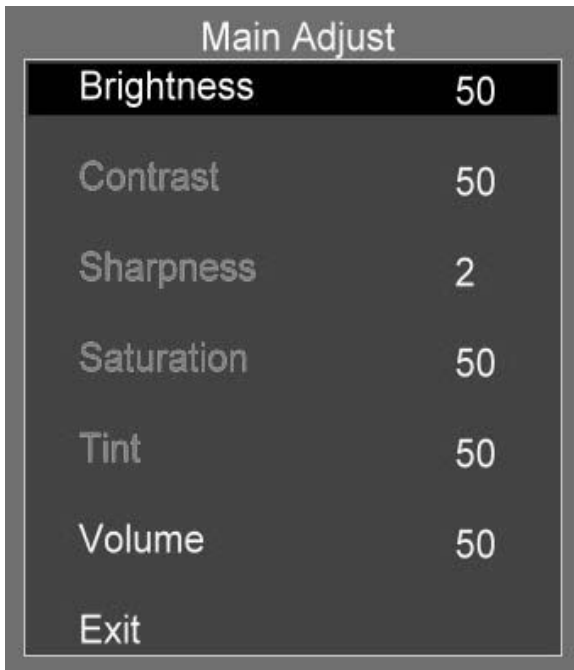
Brightness, Contrast, Volume, Vivid Mode, OSD Horizontal/Vertical, OSD Timeout, Green Mode, Auto Shift return to default Value.

## Video mode CVBS1, CVBS2 and S-Video:

Press the Menu button to bring up the MAIN MENU Page. The following page will appear  
Press - /+ buttons to select an icon, then Press MENU button to change the values in the sub menu.



## MAIN ADJUST:



Main Adjust	
Brightness	50
Contrast	50
Sharpness	2
Saturation	50
Tint	50
Volume	50
Exit	

1. Press - / + buttons to select an icon
2. Press MENU button to select item,
3. Press - / + buttons to adjust the value
4. Press MENU button to return

**BRIGHTNESS** : Adjust the brightness value

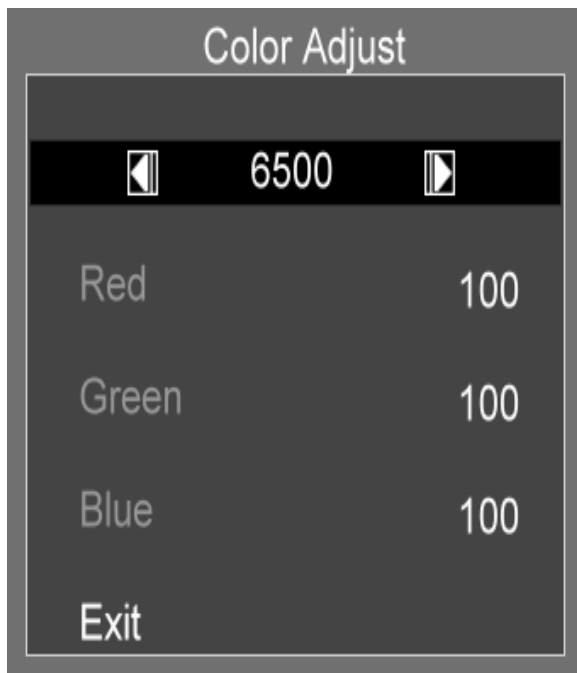
**CONTRAST** : Adjust the contrast value

**VOLUME** : Adjust the volume

**EXIT** : Press MENU button to return to the main menu

## COLOR ADJUST :

Set the color temperature of the LCD monitor for the CIE coordinate 9300°k or 6500°k or USER MODE



1. Press - / + buttons to select an icon
2. Press MENU button to select adjust item,
3. Press - / + buttons to adjust the value
4. Press MENU button to return

**6500** : Adjust the color temperature.

**RED** : Adjust the RED value for user mode.

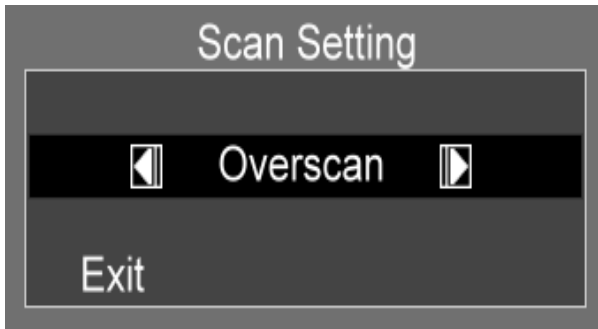
**GREEN** : Adjust the GREEN value for user mode.

**BLUE** : Adjust the BLUE value for user mode.

**EXIT** : Press MENU button to return to the main menu



## SCAN SETTING :

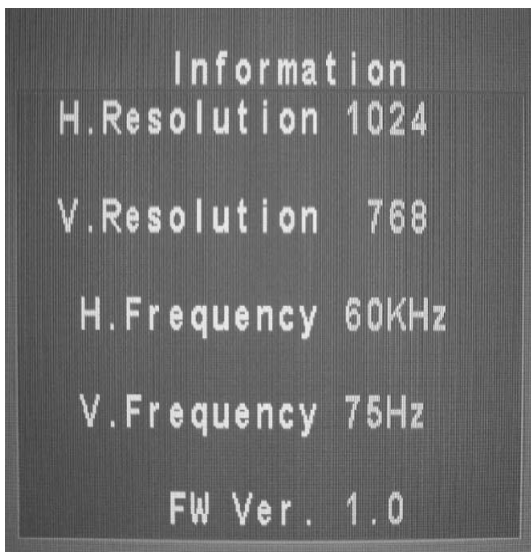


1. Press MENU button to select the sub-menu
2. Press - / + buttons to select Scan Setting state.
3. Press MENU button to return

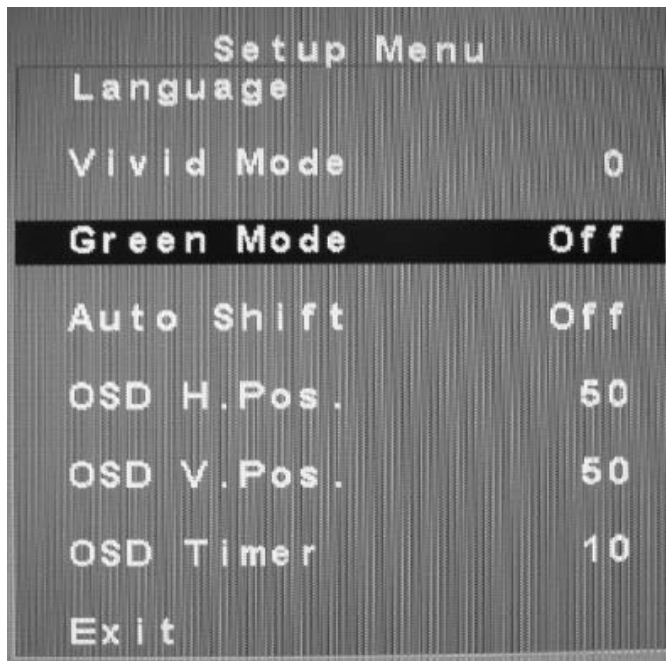
**OVERSCAN** : Adjust scan mode(Overscan or Underscan)

## INFORMATION :

Press MENU button to get the VGA timing information



## SETUP MENU :



1. Press - / + buttons to select an icon
2. Press MENU button to select adjust item
3. Press - / + buttons to adjust the value
4. Press MENU button to return

**LANGUAGE** : Press MENU buttons to change the language

**VIVID MODE** : 0:NORMAL, 1:TEXT, 2:PHOTO, 3:MOVIE

**GREEN MODE** : Off or On (5 min~10 min)

**Off** – No function

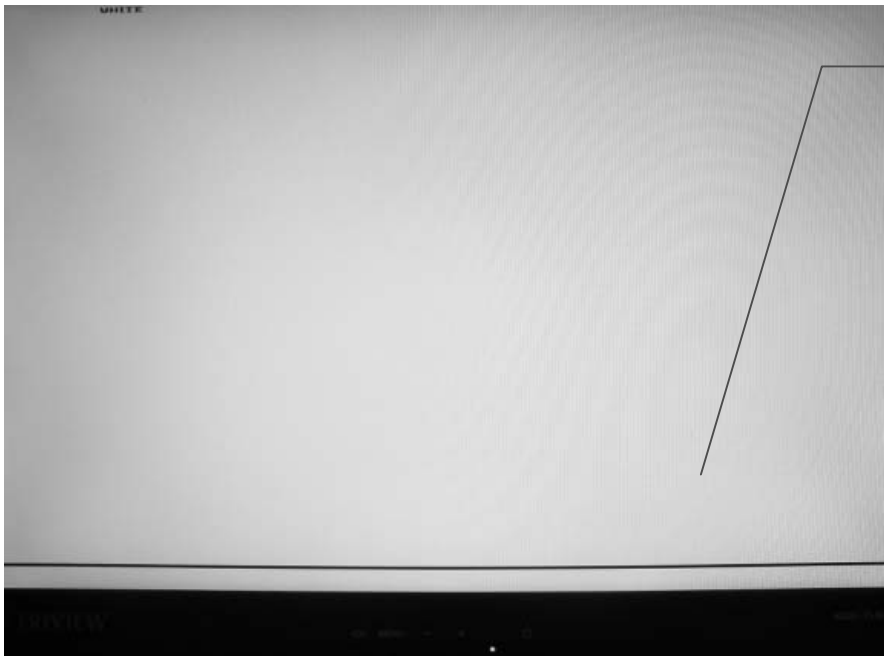
**On** – Screen will reduce back light to 80% within (5Min to 10Min)

Screen will back to normal when any button being touched.

**AUTO SHIFT** : Adjust AUTO SHIFT ON/OFF

**Off** – No Function

**On** – Every one hour there will one scan line from bottom to top ( Every 3 second up one scan line) to prevent panel sticking.



Auto shift

**OSD H. POS.** : Adjust the OSD horizontal position value

**OSD V. POS.** : Adjust the OSD vertical position value

**EXIT** : Press MENU button to return to the main menu

**RECALL :**

Brightness, Contrast, Sharpness, Saturation, Tin, Volume, Vivid Mode, OSD

Horizontal/Vertical, OSD Timeout, Green Mode, Auto Shift return to default Value.

# Monitor Specification

MODEL		VFS-L15B and W	VFS-L17B and W	VFS-L19B and W	
DESCRIPTION					
Panel type		15" TFT color LCD panel	17" TFT color LCD panel	19" TFT color LCD panel	
Screen size		381mm diagonal	431mm diagonal	480mm diagonal	
Viewable size		304.1mm (H) x 228.1mm (V)	337.9mm (H) x 270.3mm (V)	376.3mm (H) x 301.1mm (V)	
Dot pitch		0.297mm x 0.297mm	0.264mm x 0.264mm	0.294mm x 0.294mm	
Viewing angle (L/R/T/B)		140/130	160/160	170/160	
Contrast ratio		500:1	700:1	1000:1	
Brightness		250 nits	300 nits	300 nits	
Resolution		1024x768	1280x1024		
Display color		16.2M	16.7M	16.7M	
Response time		8ms	6ms	5ms	
Power input		100 – 240Vac Power adapter :100 – 240Vac Monitor : 12Vdc			
Power consumption		24W	34W	39W	
Dimension (Physical) WxHxD mm		340x351x190	372x360x190	420x410x190	
Dimension (Package) WxHxD mm		423x435x153	424x441 x164	461x489x164	
Weight NW/GW		2.6Kgs/4.4Kgs	3.6Kgs/5.5Kgs	3.8Kgs/5.7Kgs	
Wall Mount		VESA STD			
Input signal	PC	Fh:31.5K–60KHz, Fv: 56–75Hz	Fh: 31.5K–80KHz, Fv: 56 – 75Hz		
		Connector: DVI-I (Digital + Analog)			
		Standard: VGA/SVGA/XGA Mode	Standard: VGA/SVGA/XGA/SXGA Mode		
	Video	Channel 1: BNC input with loop through output (Level 1.0Vp-p / 75 ohm) Channel 2: BNC input with loop through output (Level 1.0Vp-p / 75 ohm) Channel 3: S-video Input ( mini-din 4pin, Level: 1.0Vp-p / 75 ohm) System: NTSC/PAL BGHI			
Video special	Vivid mode, Key lock, Running hours, Green saving, Auto shift.				
Audio	Input	Phone jack (Level: 1.0Vp-p/1 KHz) *2			
	Speaker	Internal speaker (1W) * 2			
User's control		Channel/ Down / Up / Menu / Power Key			
Plug & Play		EDID			
Power Management		VESA DPMS compatible			
Accessory		Power cord, DVI to D-sub cable, Stereo Audio cable			
Option		Wall mount bracket, Ceiling mount bracket			
Regulation		FCC, CE, RoHS			

**Specification is subject to change without notice**







Subject to change without notice

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