

## TFT LCD MONITOR

---

### USER MANUAL

HVS Series

L80AP-v2 – 8.0” TFT LCD Monitor

L101AP-v2 – 10.1” TFT LCD Monitor



## **Table Of Contents**

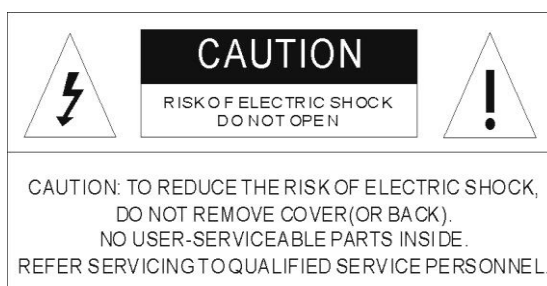
Table of contents/ Warning.....	2
Precautions .....	3
About this user manual / Items included in the delivery .....	4
1. IR-remote control .....	5
2. Monitor controls .....	7
3. Connections.....	8
4. Monitor settings via OSD menu .....	9
5. Special features .....	10
6. Technical specifications .....	11

### **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**



**Danger:** This symbol is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to a person.



**Warning:** This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## **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.

### **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.

### **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.

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

### **About this user manual**

This manual aims at assisting the user on how to operate the monitors described in this manual.

This manual is subject to rigid quality control. However, no guarantee can be given that mistakes are not present. We reserve the right to make changes to the manual without prior notice.

Before operating the appliance, please read this manual carefully and retain it for further reference. Verify that all appliance items are included in the delivery. Should items be missing, do not operate the appliance and contact your local dealer.

Never attempt to repair the appliance yourself. This should only be done by qualified service personnel.

Improper handling of the appliance will invalidate the warranty.

### **Items included in the delivery**

- 1 x LCD monitor
- 1 x Power supply unit 12 V DC
- 1 x HDMI Cable (Optional)
- 1 x Audio Cable (Red/White)
- 1 x Bracket
- 1 x IR remote control
- 1 x User manual

## 1. IR remote control Instructions:

### (1). **Power:**

Press this button to turn the monitor on/off.

### (2). **Zoom:**

Press this button to toggle between the different picture formats:  
FULL/4:3/Zoom1/Zoom2

### (3). **Mute:**

Press this button to disable the sound.

Press this button again to turn the sound on again.

### (4). **PC/HD, AV, SV:**

You can select the appropriate signal source directly.

### (5). **Item:**

Hot key for OSD adjustments of Volume, Contrast, Brightness, Colour, Sharpness, Tint and Red Green Blue.

### (6). **Picture:** Hot key for OSD adjustments of picture mode User, Soft, Standard, Vivid.

### (7). **Source:**

To switch the video inputs, please use the IR remote control included with the unit.

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). **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. Increase or decrease the values in the OSD menu.

### (10). **Display:**

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

### (11). **▶||:**

Media player\_ Play/Pause.

### (12). **▶▶:**

Media player\_ Fast forward to search at a faster speed. (2X, 4X, 8X, 16X, 32X)

### (13). **◀◀:**

Media player\_ Fast back to search at a faster speed. (2X, 4X, 8X, 16X, 32X)

### (14). **▶:**

Media player\_ move to next.

### (15). **◀:**

Media player\_ move to previous.

### (16). **■:**

Stop Media player.

### (17). **DMP Exit:**

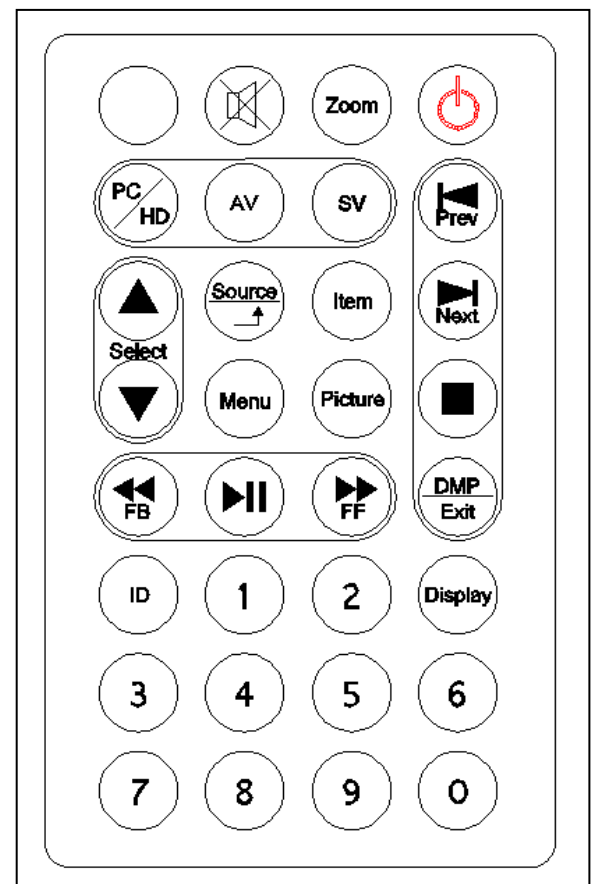
Enter and Exit Media player. Return to the previous source.

### (18). **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.**

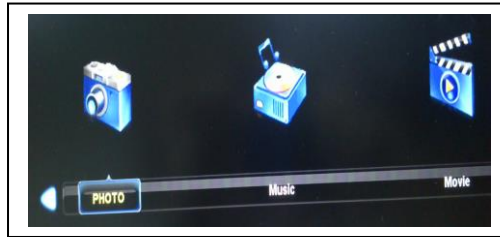
### (19). **0~9:** For ID setting number used.



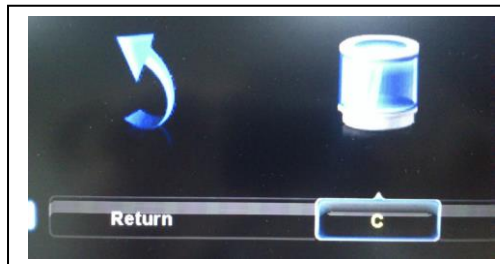
(20). USB Media player Instructions:

(20-1) Press "<sup>DMP</sup> Exit" button to call-up the OSD menu. Use the ▲ ▼ buttons to select DMP.  
then press "Source" to confirm your select.

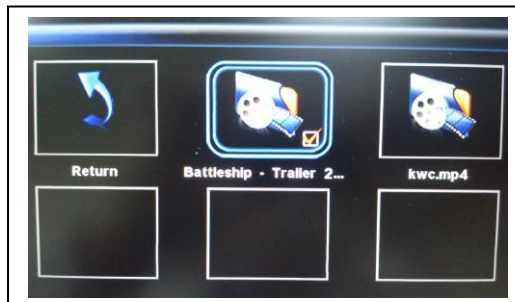
(20-2) Use the ▲ ▼ buttons to select Photo/Music/Movie,  
and press "Source" button to confirm.



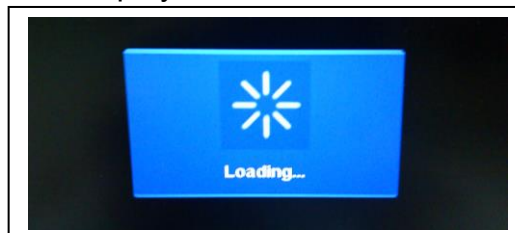
(20-3) Use the ▲ ▼ buttons to select "C",  
and press "Source" button to confirm.



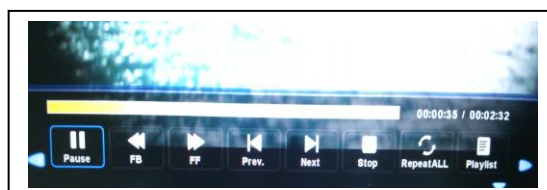
(20-4) Use the ▲ ▼ buttons to select play file,  
and press "Source" button to confirm.



(20-5) Press ►||:to Loading file and play.

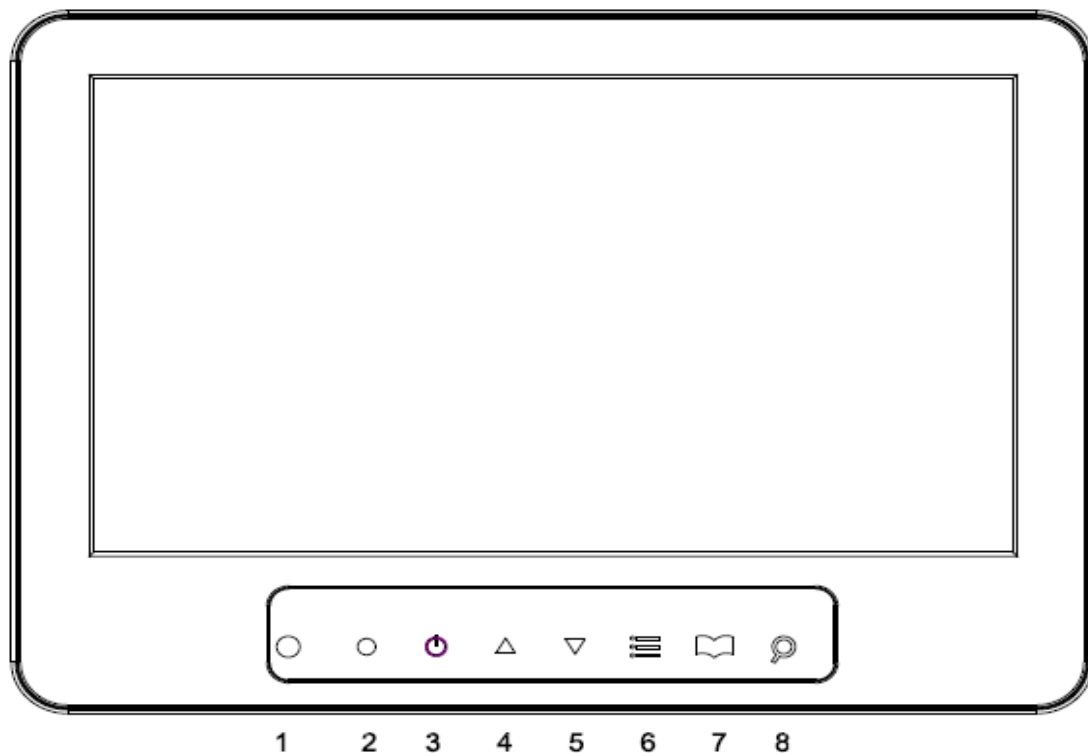


(20-6) Press "Display" button to call-up USB Media Player information.



(20-7) Press "<sup>DMP</sup> Exit": Exit Media player.  
Return to the previous source.

## **2. Monitor controls**



**(1). IR**

**(2). LED**

**(3). Power**

Turn the monitor on/off.

LED: Green    Monitor on

LED: Red    Standby mode (no input signal)

**(4/5). Adjust Up / Down ▲/▼**

Increase or decrease the values in the OSD menu:

Up: Increase the values.

Down: Decrease the values.

**(6). Item/Select:**

Hot key for OSD adjustments of Volume, Brightness, Contrast hue, Sharpness, Color, Tint and Red, Green, Blue.

**(7). Menu/Function:**

Press this button to call-up the OSD menu.

This button is also used as "Exit".

**(8). Source:**

To switch the video inputs, (or sub picture source in pip mode). AV/VGA/HDMI

This button is also used as „Enter” and „Select” function in the OSD menu.

and to confirm your selected settings in the OSD menu.

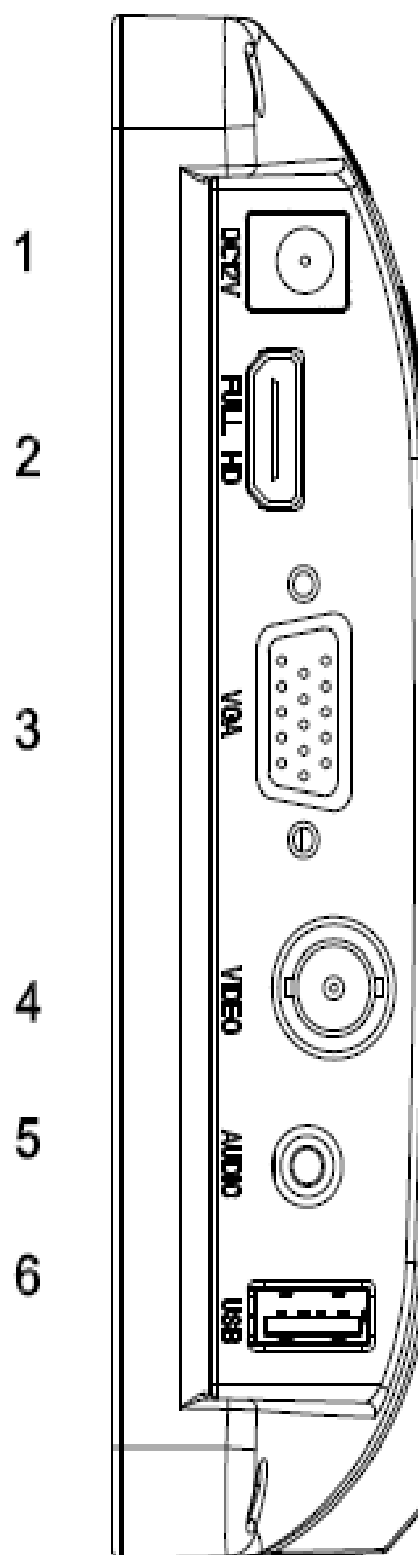
### **3. Connections**

- (1). Regulated DC12V Power Input
- (2). HDMI input
- (3). VGA input
- (4). Video input
- (5). Audio input
- (6). USB

**NOTE:**

Connections of Audio

	Audio
<b>VIDEO</b>	V
<b>VGA</b>	V





## **4. Monitor settings via OSD menu**

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

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

PICTURE

SOUND

OPTION

SCALER ADJUST

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

Press the Source button to select the appropriate item.

### **4.1 PICTURE**

Press source button to confirm. Use the ▲▼ buttons to select adjusts item.

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

Item	Description
<b>Picture Mode</b>	Use the ▲▼ buttons to select the picture mode: User, Vivid, Standard, Soft. In User mode press Source button into the function.
Contrast	Use the ▲▼ buttons to increase/decrease the screen contrast.
Brightness	Use the ▲▼ buttons to increase/decrease the screen brightness.
Colour	Use the ▲▼ buttons to increase/decrease the color.
Sharpness	Use the ▲▼ buttons to increase/decrease the sharpness.
Tint	Use the ▲▼ buttons to increase/decrease the tint.
<b>Colour Temp.</b>	Use the ▲▼ buttons to select the color temperature: User, Warm, Medium, Cool. In User mode press Source button into the function.
<b>Gamma Adjust</b>	Use source button to select the value: Off/1.8/2.0/2.2/2.4
<b>VGA</b>	Use source button to select the screen for PC-VGA. press source button into the function.
Auto adjust	Adjust the best image.
Horizontal Pos	Use the ▲▼ buttons to move the screen image left or right.
Vertical Pos	Use the ▲▼ buttons to move the screen image up and down.
Clock	Use the ▲▼ buttons to adjust image distortion appearing as vertical or “noise” on the screen.
Phase	Use the ▲▼ buttons to adjust image distortion appearing as horizontal or “noise” on the screen.
<b>Noise Reduction</b>	Use the Source buttons to select the level of noise reduction: Off, Low, Medium, High, Default.

### **4.2 SOUND**

Press source button to confirm. Use the ▲▼ buttons to select adjusts item.

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

Item	Description
<b>Sound Mode</b>	Use the ▲▼ buttons to select the sound mode: User, Standard, Music, Movie, Sport. In User mode press Source button into the function.
Treble	Use the ▲▼ buttons to adjust the treble.
Bass	Use the ▲▼ buttons to adjust the bass.
<b>Volume</b>	Use the ▲▼ buttons to adjust the volume.
<b>Mute</b>	Use the source buttons to change the Mute on/off.
<b>Balance</b>	Use the ▲▼ buttons to adjust the balance.

### **4.3 OPTION**

Press source button to confirm. Use the ▲▼ buttons to select adjusts item.  
Press the menu button to return to the previous menu item.

Item	Description
<b>OSD Language</b>	Press source button into the function. Use the ▲▼ buttons to select the language.
<b>Default</b>	Press source button into the function. Press the “▼” button to restore the factory settings.
<b>SW Update (USB)</b>	Insert USB then press Source button into the function.
<b>OSD Time</b>	Use the ▲▼ buttons to setting the OSD menu display time.
<b>Set ID</b>	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.
<b>Screen Saver</b>	Use source button to select the: on/off: [Screen protector -Anti blur]
<b>OSD H-Pos</b>	Use the ▲▼ buttons to position the OSD horizontally.
<b>OSD V-Pos</b>	Use the ▲▼ buttons to position the OSD vertically.

### **4.4 SCALER ADJUST**

Press source button to confirm. Use the ▲▼ buttons to select item.  
Press the menu button to return to the previous menu item.

Item	Description
Scale	Use source button to select the screen Aspect Ratio: Full/4:3/Zoom1/Zoom2
H Zoom	Use the ▲▼ buttons to position the picture horizontally.
V Zoom	Use the ▲▼ buttons to position the picture vertically.

### **PC timing:**

Mode	Resolution
1	800 x 600 @ 60
2	1024 x 600 @ 60
3	1280 x 800 @ 60

## **5. Special features**

- . USB Player MP3(Music), JPEG(Photo), MP4(Movie) and Update F/W.
- . Advanced video processing engine.
- . Advanced colour engine.
- . NTSC/PAL Auto Switch
- . 3D Comb Filter Technology.
- . 3D De-interlace Technology.
- . Support IR remote controller.
- . Build-in 2W speaker.

## 6. Technical specifications

Monitor model	L80AP-V2	L101AP-V2
System	PAL / NTSC	
LCD panel	8.0"	10.1"
Visible area (mm)	176.64 x 99.36	216.96 x 135.6
LCD Profile Ratio	17:10	16:10
Max. resolution	1024 x 600	1280 x 800
Pixel pitch (mm)	0.1725 x 0.1656	0.1695 x 0.1695
Colours	16.2M	16.2M
Brightness	500 cd/m <sup>2</sup> [LED]	350 cd/m <sup>2</sup> [LED]
Contrast	1000 :1	800:1
Response time	25 ms (Tr+Tf)	10/15 ms (Tr/Tf)
View angle (U/D/L/R)	85/85/85/85	85/85/85/85
Video input	1 x Composite (BNC)	
HDMI input	1 x (A Type)	
Audio input(R/L)	1 x Phone jack ,3.5ψ	
PC input	1 x VGA input (D-Sub 15 pin)	
USB input	1 x A Type (Update F/W, Player MP3, JPEG, MP4)	
Speaker	1x built-in speaker (2 watt)	
3D Comb Filter	Yes	
3D De-Interlace function	Yes	
OSD setting	Yes	
Power input	AC 100-240V 50/60Hz, Adapter DC 12V/1A	
Power consumption	Approx.9.5 watts	Approx. 7 watts
Dimensions (W*H*D) mm	210 x 151 x 35.6	253 x 178 x 34.7
Weight (Monitor only)	540g ± 20g	540g ± 20g
Weight (Package)	1,150g ± 20g	1,180g ± 20g
Operating temperature	0 °C to 50 °C	

## **Appendixes**

### **Troubleshooting**

The tables provided below include some problems that the user may encounter while using the display and the corresponding solutions. Please refer to the contents of this section prior to contacting service personnel.

Problem	Possible Causes	Solutions
No picture	1. Is the power cable connected to the unit? 2. Is the unit turned on? 3. Is the signal cable connected to the unit? 4. Is the unit in power saving mode?	1. Make sure the power cable has been properly connected to the unit. 2. Turn on the unit. 3. Make sure the signal cable has been properly connected to the unit. 4. Press any key on computer keyboard.
Strange colour	1. Is the signal cable connected to the unit?	1. Make sure the signal cable has been properly connected to the unit.
Picture distortion	1. Is the signal cable connected to the unit? 2. Is the video input signal within the unit's specified frequency range?	1. Make sure the signal cable has been properly connected to the unit. 2. Make sure the input signal is within the unit's specified frequency range.
Picture is too dim	1. Have the unit's brightness and contrast settings been set to the lowest level?	1. Adjust brightness and contrast
Only sound but no picture	1. Is the connection of the input signal correct?	1. Check connection of input signal. 2. Make sure the signal cable has been properly connected.
Only picture but no sound	1. Is the signal cable connected to the unit? 2. Has the volume been set to the min level? 3. Is the audio cable connected to the unit?	1. Make sure the signal cable has been properly connected to the unit. 2. Adjust the volume to an appropriate setting. 3. Make sure the audio cable has been properly connected to the unit.
Picture colour in cycles of red, green, blue, white.....	1. Key lock screen on the burn-in mode.	1. Press monitor function key6 and key8 at the same time to release burn-in mode.
Function key to fail	1. Function Key locked.	1. Press monitor function key6 and key7 at the same time to release key lock mode.

Please contact the customer service centre of your local dealer if you have any questions regarding the unit after reading the information provided above.