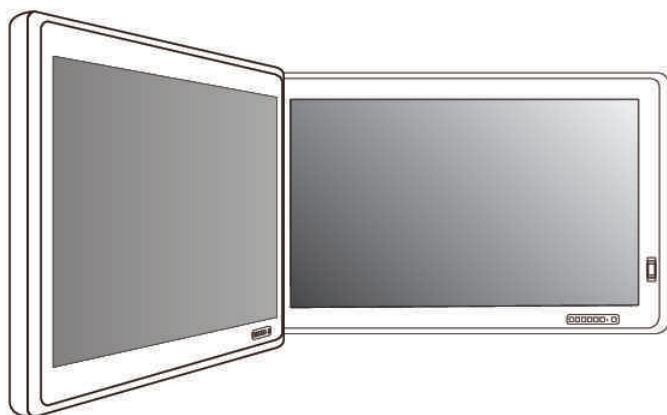


TECSLATE

INTERACTIVE TOUCH TV Operation Manual



Contents

Safety precautions	2
Accessories	3
■ Installation	4
■ Description for the keys on the front panel	5
■ Rear panel interface	6
■ Optional port	7
■ Remote control description	8
■ Source menu	9
Main menu	9
Picture menu	9
Audio menu	10
Channel menu	12
Lock menu	13
Setup menu	14
USB mode	16
■ PC mode(VGA input) specification	18
■ Trouble shooting	20
Safety precautions	21

Safety precautions

1. Read the instructions
2. Keep the instructions
3. Pay attention to the warnings.
4. Please follow the instructions.
5. Please do not use this device in a place near water. Warning: To reduce the risk of fire or electric shock, please do not expose this product to a rainy or wet environment.
6. Use only a soft rag to rub this product. If it is still not clean, please refer to the further instructions in "How to Clean the LCD".
7. Never clog any ventilation hole; install this LCD according to the manufacturer's instructions.
8. Please do not install this device in a place near to a radiator, a thermal recorder, a stove, or any other instrument that can produce heat.
9. Please pay special attention to the earthing condition of this device. A conventional plug has two metal bits, one bit having a larger width than the other. A grounded plug has two metal bits for establishing an electric connection as well as a bit reserved solely for grounding purposes. Keeping this device properly grounded is a strong guarantee for your safety. In case the plug cannot be plugged into the socket nearby, please send for an electrician to have the old socket replaced.
10. Protect the power plug, socket and other components connected to this device from being stepped on by a pedestrian or squeezed by an object. Please do set up the power socket near this device for convenient usage.
11. Only use devices or accessories designated by the manufacturer.
12. Only the cart, base, tripod, bracket or desk designated by the manufacture or sold together with this device can be used. In assembling a mobile device and a handcart together, be sure to exercise caution to prevent the assembled from turning over, which may lead to injuries to people standing by.
13. If you are not going to use this device for a long time, please pull out the power plug.
14. If this device is damaged, e.g. the power cord or plug is defective, a liquid being spattered onto or an object falling down onto the device, or the device being unable to work normally or falling down onto the ground, you should ask a professional for repair.
15. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable



Accessories

Getting started

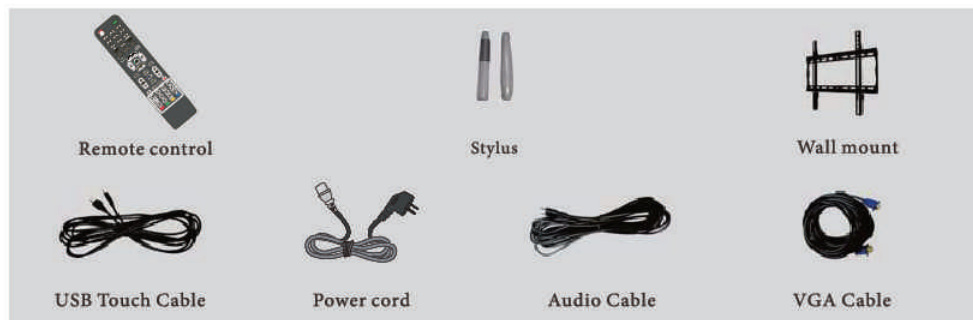
Congratulations on you buying a LCD. Attention! Please keep the packing box and all related packaging in a safe place future transport needs.

What is in the box

Your LCD package includes:

- A Touch LCD
- Power cord
- Remote control
- VGA Cable
- Touch Cable
- WIFI Antenna
- Audio Cable
- Instruction manual

Accessories



Matters to pay attention to

- When using this display, please maintain a distance of approximately 40-50cm away from the screen.
 - Do not touch the screen with hands, as the grease left over on the screen from the skin may be hard to remove.
 - Never remove the back cover. There are high voltage parts inside the LCD display. Serious damage may occur if such parts are accidentally touched.
 - Avoid exposing the LCD display to direct sunlight or any other heat sources. Properly adjust the direction of the LCD display to make the screen turn aside from the external light source and thereby reduce the annoying glare. Be sure to exercise sufficient caution when moving the LCD display around.
 - Please place the LCD display in a well ventilated place. Please do not place any object on the top of the LCD display, as it may hinder its heat dissipation.
 - Make sure that the place for placing this LCD is neat and clean.
 - Please do not put any heavy object on the LCD display itself, or its video cable or power cord.
 - If the LCD is smoking, or having an abnormal noise or a strange odor, you should immediately turn it off and notify the dealer. It is unsafe to put the LCD display to continuous use if any of the afore mentioned abnormal signs occurs.
 - Do not rub or press the LCD panel, or irreparable damage may occur to the screen.
1. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
 2. The I class structural device should be connected to the power output socket with protected GND interlinkage.

Installation

Quick installation

1. Connect the power adapter
2. Connect the Touch Cable
 - Make sure the Touch Cable one side to be connected with the OPS PC, one side to be connected with the interface of main unit.
3. Turn on the LCD and the built-in PC
 - Turn on the LCD first, and then the computer. This order (turn on the LCD first, and then the computer) is very important.
4. Windows user: Set the resolution and vertical scan frequency.
5. Connect WIFI Antenna

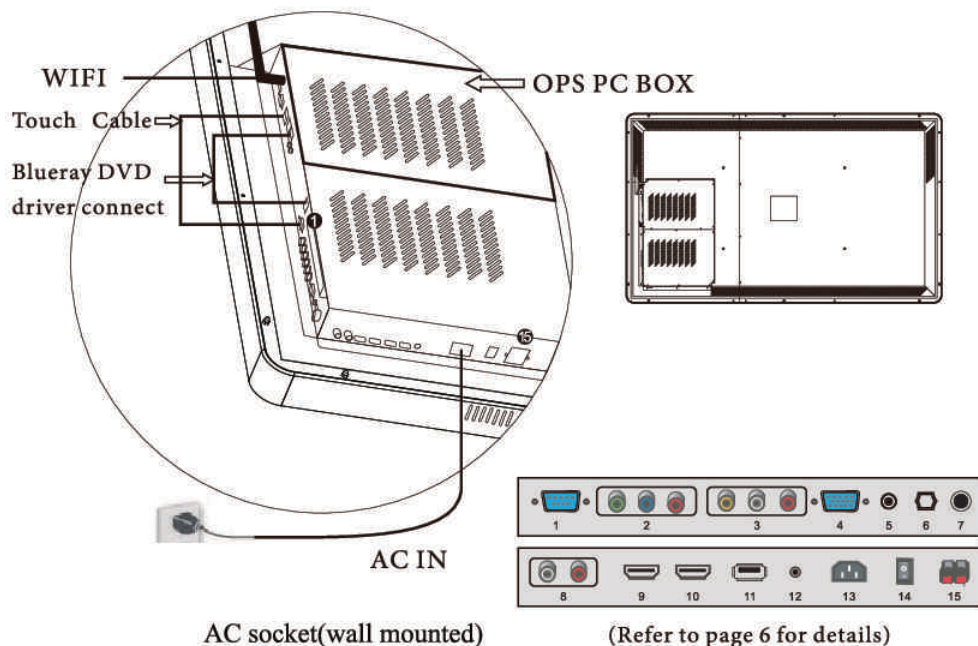
For example: 1920x1080@60Hz

For information on how to set resolution and vertical scanning frequency settings, please refer to page 7 of the user manual.

The installation is now completed. Please enjoy this LCD.

In order to better accommodate the need for customer services in the future:

Please print out this user guide and write down the serial number (find it at the back of the LCD) in the "Please record" field on page 4.

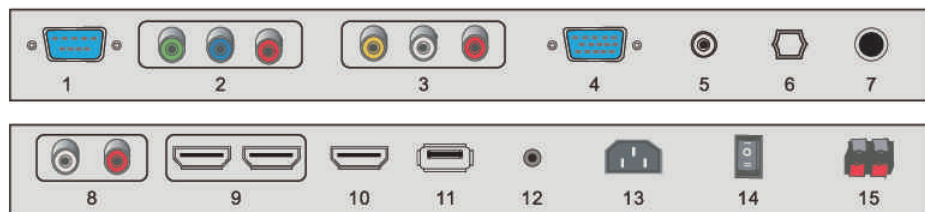


Descriptions for keys of the front panel

No.	Name	Description
1	 (Power)	Switching key between monitor standby and on mode
2	 Menu	If the menu hides, press this key to display OSD menu; if the menu displays, press this key to exit the current menu.
3	 Signal source (TV/Video)	Switch among all the available input signal sources (AV1, S-VIDEO,COMPONENT1, COMPONENT2,HDMI1,HDMI2,VGA,USB)
4	 VOL +/-	Adjust the sound output level of the speaker (same function as the <volume</> key on the remote control). In OSD menu, it is used to move the cursor leftward or rightward, or change the settings (same function as the cursor left/right key on the remote control).
5	 CH +/-	In OSD menu,it is used to move the cursor upward or downward (same function as the cursor up/down key on the remote control).
6	Exit (Optional)	Exit the menu or return to the previous menu (Some models do not have this key)
7	Remote control receive window	Receive the signals sent by remote control.
8	Power indicator	A red light indicates it is in standby mode; A green light indicates it is in working mode

Note: For reference only, please subject to the actual model.

Rear panel interface

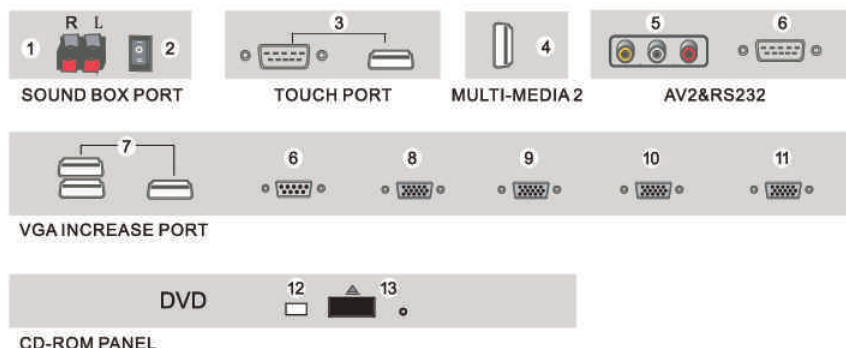


NO.	Name	Description
1	TOUCH	Connect to the USB jack on PC to have touch function.
2	YPBPR	Connect every terminal to the component video
3	AV IN AUDIO L R	Video and Audio signal input
4	VGA IN	Input terminal for PC
5	PC Audio	PC Audio input.
6	FIBER OUT	Fiber connection
7	RF	For connect TV Antenna
8	AV OUT AUDIO L R	Video and Audio signal input
9	HDMI1	Connect to the digital audio/video output terminal of the digit signal source equipment.
10	HDMI2	Built-in PC
11	USB	For software upgrading
12	EARPHONE JACK	Connect to earphone
13	AC IN JACK	AC input
14	SPEAKER SWITCH	Turn on to connect external speaker
15	SOUND BOX R L	Connect the left/right speaker output.

Note: For reference only, please subject to the actual model.

Optional Port

Tip: according to different television function, optional port and port position in kind prevail, the following provides a reference only.



1	SOUND BOX L R	Connect the left/right speaker output.
2	SW INSIDE OUTSIDE	Switch = for the outer speaker, switch - for built-in speakers, switch O off.
3	TOUCH	Touch interface connection to the computer USB can touch function.
4	MULTI-MEDIA USB2	Multimedia USB, music, pictures and video support.
5	AV2 IN AUDIO L R	Video and Audio signal input.
6	RS232	RS232 Control interface.
7	TOUCH1 TOUCH2 TOUCH3	Connecting a computer can realize the touch function, USB 3 the road can touch switch touch interface and the computer display synchronization.
8	VGA 1	Connect to PC D-Sub terminal.
9	VGA 2	Connect to PC D-Sub terminal.
10	VGA 3	Connect to PC D-Sub terminal.
11	VGA OUT	Link to the rest of the display device.
12	CD-ROM INDICATOR	Opening/closing light green.
13	CD-ROM OPEN BUTTON	Press this button to pop up the tray.

Remote Control



POWER : Turn the TV on/standby.

MUTE: Press to mute the sound, press again or press VOL+ to unmute.

NUMBER BUTTONS: Choose channel directly. Press number buttons and press OK button to play the channel.

-/-: Press this key to select one-digit or two-digit TV channels,

↶: Return to the previous channel viewed.

P.MODE: Select the picture mode.

S.MODE: Select the sound mode.

MTS/AUDIO button : change sound mode.

INPUT: Press to display the input source menu.

MENU: System setup menu.

Display: Display current mode information.

OK: Confirm button for menu.

EXIT: Exit the OSD menu.

Cursor left/right/up/down: Cursor buttons used in menus.

CH+/-: In the ATV/DTV Channel, Press "CH+/-", you can adjust the channel.

VOL+/-: In the ATV/DTV Channel, Press "VOL+/-", you can adjust the volume.

ASPECT: Press to see top half of page double size,
Press again to see the bottom half of page double size.
Press again for normal size.

SLEEP: Standby timer.

FREEZE: Holds the current picture.

AUTO button: PC mode automatically adjust the image.

CC button: Subtitle select switch

FAV: Display the favorite program list.

EPG: Press to display EPG information(Electronic Program Guide).

Notes:

The remote control shall be applied in effective reception scope of the television. Make the remote control point towards the infrared receiver of the liquid crystal television and ensure that there are no obstacles. Its normal operation distance will be shortened in direct sunlight or lamplight.

Handle the remote control with care. Avoid falling off or being trampled or splashed with liquids.

SOURCE MENU

Source
TV
AV
YPBPr
HDMI 1
HDMI 2
HDMI 3
VGA
USB
EXIT:Exit

For PC built-in model
For w/o built-in PC

Source
TV
AV
YPBPr
HDMI 1
HDMI 2
Built-in PC
VGA
USB
EXIT:Exit

You can press ▲▼ to move, then press ok key to select.

MAIN MENU



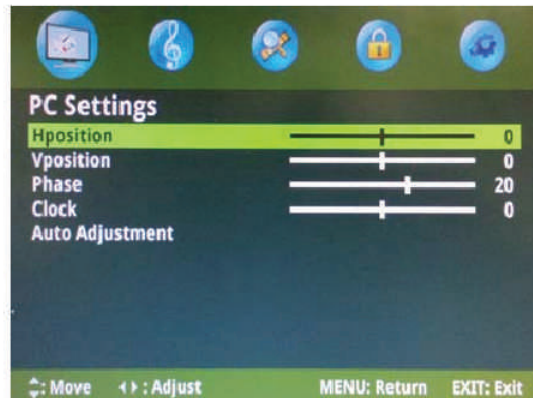
Press MENU button to show Main menu, Audio, Channel Lock, Setup menu.

Press left or right button to select specific menu item and the adjustable value.

Press OK or down button to enter specific submenu.

1. Picture Menu





1.1 Picture Mode

Press ◀▶ to select Picture Mode, and then OK button to enter. Press ◀▶ button to select standard/movie/user/vivid mode.

At the user mode you can adjust the brightness/contrast/sharpness/color

1.2 Noise Reduction

Press ▲▼ button to select Noise Reduction, and then press ◀▶ to select off/ low /medium /high.

1.3 HDMI Mode (only HDMI channel)

Press to select HDMI Mode, and then press to select auto/video/pc mode .

1.4 Aspect Ratio

Press to select Aspect Ratio, and then press ◀▶ to select auto / full /16:9 /4:3 /zoom /subtitle /panorama.

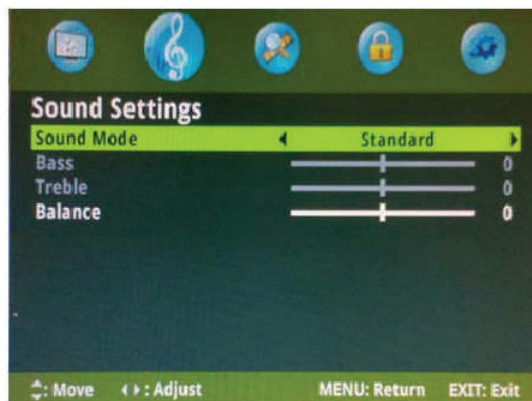
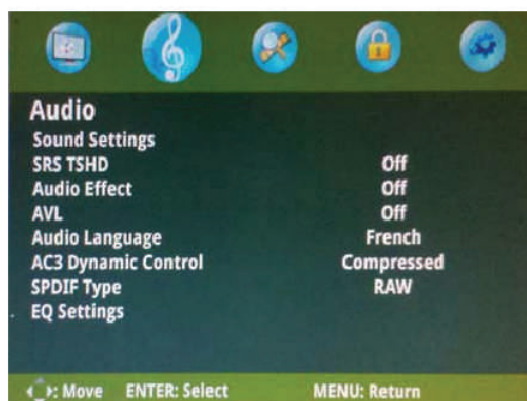
1.5 Color Temp

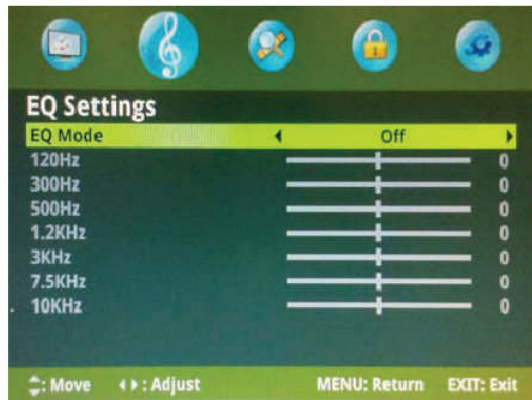
Press ▲▼ to select Color Temperature, and then OK button to enter and press ◀▶ button to select normal/ warm/ cool mode.

1.6 PC SETTING (only PC channel)

Press ▲▼ to select PC Settings. you can select the Hposition /Vposition/ Phase/ Clock/ Auto adjust

2 AUDIO





2.1 Sound Setting

Press ▲▼ to select Sound Setting.

2.1.1 Sound Mode

Press ◀▶ to select Sound Mode, and then OK button, press ◀▶ button to select standard /soft /user /dynamic mode.

2.1.2 Balance

Press ▲▼ to select Balance, press ◀▶ button to adjust balance value.

2.2 SRS TSHD

Press ▲▼ to select SRS TSHD, then press ◀▶ button to select on/ off.

2.3 Audio Effect

Press ▲▼ to select Audio Effect, then press ◀▶ button to select on/ off.

2.4 AVL

Press ▲▼ to select AVL, then press ◀▶ button to select on/ off.

2.5 Audio Language(only DTV channel)

Press ▲▼ to select Audio Language, then press ◀▶ button to select English/Korean.

2.6 AC3 Dynamic Control(only DTV channel)

Press ▲▼ to select AC3 Dynamic Control, then press ◀▶ button to select Compressed/OFF.

2.7 SPDIF TYPE

Press ▲▼ to select SPDIF TYPE, then press ◀▶ button to select RAM/PCM/OFF.

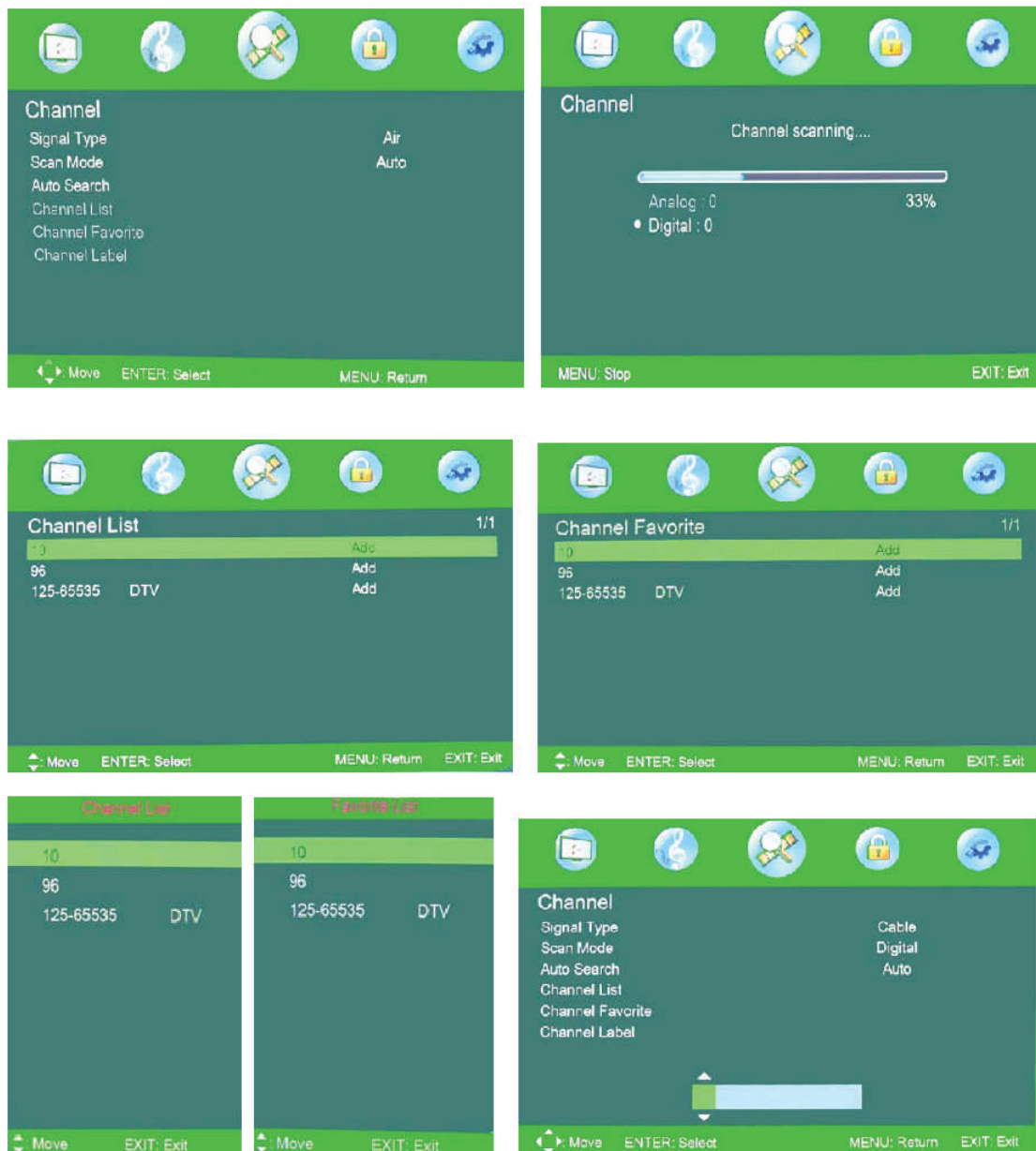
2.8 EQ Setting

Press ▲▼ to select EQ Setting, then press ▶ button to select.

2.8.1 EQ Mode

press ◀▶ button to select rock/pop/jazz/user mode.

3.Channel Menu



3.1Signal Type

Press ▲▼ to select Signal Type , and then press ◀▶ to choose Air/Cable signal.

3.2Scan Mode

Press ▲▼ to select Scan Mode , and then press ◀▶ to select auto/analog/digital.

3.3Auto Search

Press ▲▼ to select Auto Search , and then press ◀▶ to select auto/STD/HRC/IRC.

3.4Channel List

Press ▲▼ to select Channel List , and then press ▶ or OK button to select add/skip, and then ok button.

3.5 Channel Favorite

Press ▲▼ to select Channel Favorite , and then press ► to enter the submenu. Press ◀▶ to choose the channel you like and press ok to set your favorite channel.

3.6 Channel Label

Press ▲▼ to select Channel Label, and then press ► or OK button to popup the channel name. Press ▲▼ ◀▶ can change the channel name.

4.Lock Menu



4.1 Enter Password

Press ▼ or OK to select Enter Password, and then input old password “0000” .

4.2 Change Password

Press ▲ ▼ to select Change Password , and then Press ► to set new password.

4.2 Keypad Lock

Press ▲ ▼ to select Keypad Lock , and then press ◀ ▶ to choose on/ off mode.

4.3 System Lock

Press ▲ ▼ to select System Lock , and then press ◀ ▶ to choose on/ off mode.

4.4 Source Lock

System Lock is On, Press ▲ ▼ to select Source, Press Enter lock/unlock

4.5 Rating Setup

Press ▲ ▼ to select Mapp/US TV Rating/Canadian Englis/Canadian French/
Download Rating/Clear Download, Press Enter Select

4.6 US TV Rating

Press ▲ ▼ and ◀ ▶ choose TV Rating

5 Setup Menu





5.1 Menu Language

Press ▲▼ to select Menu Language, Press◀▶button to choose English/Korean.

5.2 Menu Transparency

Press ▲▼ to select Menu Transparency, and then press◀▶to select 0/20/40/60/80/100%..

5.3 Blue Back

Press ▲▼ to select Blue Back, and then press◀▶to select on/off.

5.4 Audio Only

Press ▲▼ to select Audio Only, and then press▶or OK button to select yes/no.

5.5 Setup Wizard

Press ▲▼ to select Setup Wizard, and then press▶or OK button to enter the submenu.

5.6 Caption

Press ▲▼ to select Caption, and then press▶to enter the submenu.

In the submenu, press ▲▼ or▶button to select cc mode/analog cc/digital cc/ digital cc style.

In the submenu of cc mode,press◀▶to select on/ on mute/off.

5.7 Time

Press ▲▼ to select OSD time, and then press◀▶to select off/10/20/30/60 sec.

Press ▲▼ to select Sleep time, and then press◀▶to select off/30/60/90/120/150/180min.

Press ▲▼ to select Auto clock, and then press◀▶to select on/off.

Press ▲▼ to select Time setup, and then press ▲▼to setup the date and time, and then the day of week will also become the corresponding.

5.8 PowerManagement

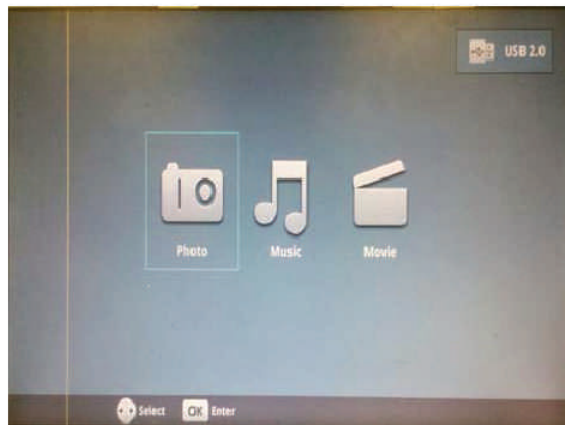
Press ▲▼ to select No signal Power off and then press◀▶to selectOn/off

Press ▲▼ to select No Operation Power off and then press◀▶to select off /30 /60 /90 /120 /150 /180 min.

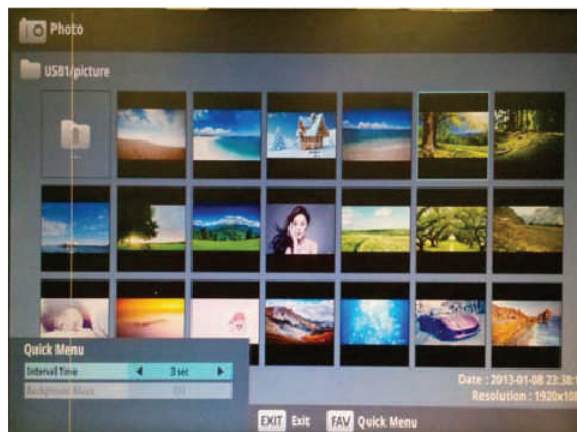
5.9 Default Setting

Press ▲▼ to select Default Setting, and then press▶or OK button to select Yes or No And press OK .

6. USB MODE



6.1 PHOTO



You can press ▲▼◀▶ to move, and press ok key or play key to playing the photo.

Press FAV key, it will show the quick menu,

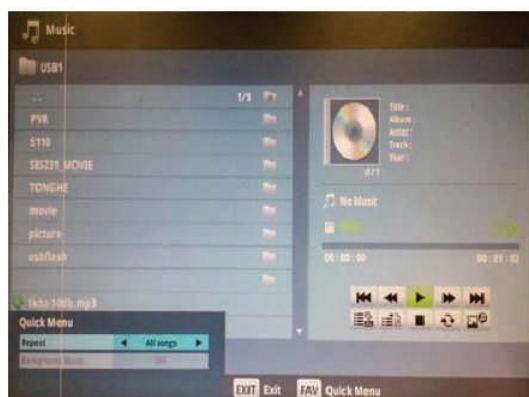
6.1.1 Interval time

You can setup the interval time of the playing photo, 3s/5s/10s/15s/30s/60s/90s.

6.1.2 Background music

You can open or close the Background music, but you must setup at the music firstly.

6.2 music



You can press ▲▼ to select the file,press ◀▶ goto the control bar,then press ok key to select the function, of course you can use the fast key to control.
If you press fav key ,it can show quick menu.

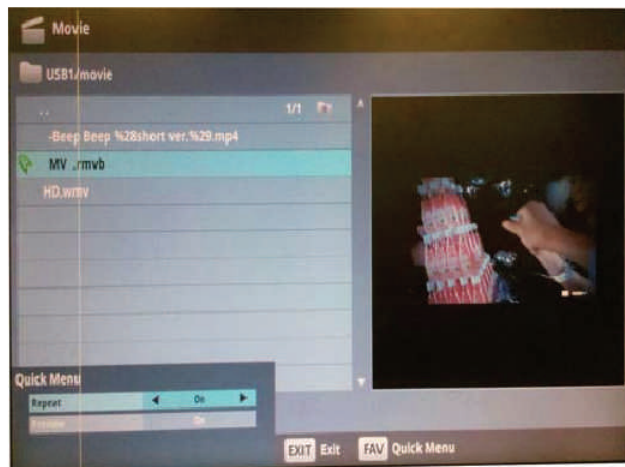
6.2.1 repeat

Repeat mode ,you can select one song/all songs/off.

6.2.2 Background music

You can open or close the Background music,if you turn on the Background music,you can close it at the photo mode too.

6.3 movie



You can press▲▼ to select the file,press the ▶ and the play key can play the movie.

Press the fav key ,it show the quick menu.

6.3.1 repeat

Repeat mode is repeat,if you off it ,it will play once.

6.3.2 preview

Turn on the preview mode, you can preview the movie at the right side.



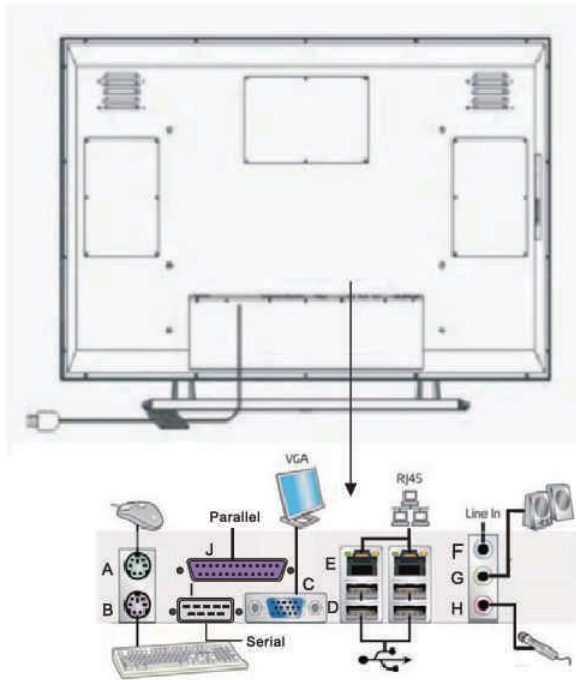
When the movie is playing,you can press ▲▼◀▶,it will show the control menu,then you can press ◀▶ select the functions.

PC mode (VGA input) specification

Serial number	Standard	Resolution	Refresh rate (Hz)	Pixel frequency (MHz)	Horizontal frequency (KHz)	Vertical frequency (Hz)	Horizontal /Vertical sync (TTL)
1	VESA	640x480	60	25.175	31.5	60.00	N/N
2	VESA	640x480	72	31.500	37.9	72.00	N/N
3	VESA	640x480	75	31.500	37.5	75.00	N/N
4	VESA	800x600	56	36.000	35.1	56.00	P/P
5	VESA	800x600	60	40.000	37.9	60.00	P/P
6	VESA	800x600	72	50.000	48.1	72.00	P/P
7	VESA	800x600	75	49.500	46.9	75.00	P/P
8	VESA	1024x768	60	65.000	48.4	60.00	N/N
9	VESA	1024x768	70	75.000	56.5	70.00	N/N
10	VESA	1024x768	75	78.750	60.0	75.00	N/N
11	VESA	1280x960	60	108.000	60.0	60.00	N/N
12	VESA	1280x1024	60	108.000	64.0	60.00	P/P
13	VESA	1280x1024	75	135.000	80.0	75.00	P/P
14	VESA	1360x768	60	133.200	85.5	47.7	P/P
15	VESA	1920x1080	60	154.000	66.547	59.988	P/P

Remark: Plasma screen does not support VESA 11/12/13. (1280x960, 60Hz / 1280x1024, 60Hz / 1280x1024, 75Hz)

Tip: In view of the built-in computer monitor, computer port provides a reference, please in kind prevail.



- A Connection mouse port.
- B Connecting the keyboard port.
- C Connect VGA port.
- D Plug and play the USB port.
- E Adaptive 100/1000M exotic nets port.
- F Computer audio input ports.
- G Computer audio output port.
- H Computer microphone port.
- I Serial communication port.
- J Parallel communication port.

Trouble shooting

Trouble shooting: Before contact the serviceman,

 Before contact our after-sales service department, please check the product according to below instructions. If the faults can not be excluded in accordance with these instructions, please write down your monitor's model number and serial number, and contact the local distributor.

There is no sound or picture.	◆ Check whether the power cord is connected to the AC power outlet, the power outlet is electrified. ◆ Check whether you press the <POWER> key on the front panel. ◆ Check the brightness and contrast settings of the picture. ◆ Check the volume.
Picture is normal, but there is no sound.	◆ Check the volume. ◆ Check whether you press the < MUTE> key on the remote control. ◆ Check the sound system.
There is no picture, or the picture is black and white.	◆ Adjust the color setting. ◆ Check the color system.
Sound and picture are interfered.	◆ Find out the devices that cause interference and move them to a place that is far from the monitor. ◆ Put the monitor's power plug into another socket.
Picture is not clear or deformed.	◆ Check the direction, position and connection of the antenna.
Remote control is out of work.	◆ Replace the batteries. ◆ Clean the upper edge of the remote control. (Sensor window) ◆ Check the battery contact.

The screen used as display screen contains sub-pixel which is generated by using advance technology. But there may be some bright or dark pixels on the screen. These pixels shall not affect the performance of the products.

Specification

- ◆ Product name: LCD/Plasma/ LED monitor
- ◆ Color system: PAL/NTSC
- ◆ Audio system: B/G, D/K, I, M/N
- ◆ Power: AC: 110V-240V
- ◆ Frequency: 50/60 Hz
- ◆ Maximum audio output power : 10W/8Ωx 2

(Note: Specifications are subject to change without prior notice. All pictures are for reference only.)

Requirements for Pollution Control Identification for Chinese Electronic Information Products

The names of each poisonous or harmful substance or element present in this product, along with the symbol corresponding to the content of each of such substances and elements, are listed in the following table:

Component name	Poisonous or harmful substances or elements					
	Lead(Pb)	Mercury(Hg)	Cadmium(Cd)	Hexavalent chrome (Cr6+)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Casing	○	○	○	○	○	○
Circuit board assembly	×	○	×	○	○	○
Power cord/adaptor	×	○	×	○	○	○
External signal cable	×	○	○	○	○	○
LCD panel	×	×	×	○	○	○
*: The circuit board components include a printed circuit board and its constituent parts and components, such as resistors, capacitors, integrated circuits, connectors, etc. ○: This symbol indicates that the content of the corresponding poisonous or harmful substance in all of the homogeneous materials constituting the corresponding component is below the limit specified in the <i>Standard for the Content Limits for Poisonous or Harmful Substances in Electronic Information Products</i>. ×: It indicates that in at least one homogeneous material of that component the content of this toxic substance exceeds the limit requirement specified in the <i>Limit Requirements for Toxic or Harmful Substances in Electronic Information Products (SJ/T11363-2006)</i>.						

Note on the Environmentally Friendly Use Period

When this electronic information product is used under the operating conditions specified in the operating instructions, the period in which the toxic or harmful substances or elements it contains do not leak out or cause pollution to the environment or serious damage to individuals or properties, is 10 years.

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 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 radio or television off and on, the user is encouraged to try to correct 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 another circuit.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Industry Canada Statement:

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: 1) this device may not cause interference and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

This class B digital apparatus complies with Canadian ICES-003

IC Radiation Exposure Statement: This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

Avis d'Industrie Canada:

Cet appareil est conforme à la norme CNR-210 des règlements d'Industrie Canada. Son fonctionnement est sujet aux deux conditions suivantes: 1) Cet appareil ne doit pas provoquer d'interférences et 2) Cet appareil doit accepter toutes les interférences, y compris celles pouvant entraîner son dysfonctionnement.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

Avis d'Industrie Canada sur l'exposition aux Rayonnements: Cet appareil est conforme aux limites d'exposition aux rayonnements d'Industrie Canada pour un environnement non contrôlé.