User Manual for Interactive Panel

Honghe Technology Group

www.honghe-tech.com

V69.20140707 Please properly keep the manual for further reference. This is the general user manual for all interactive panels. Therefore, it may be different from the actual product.

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NOTICE

- Install or place components of which power supply voltage is high enough to cause personal injury in places out of the reach of children.
- Do not use any types of power cables other than the one provided together with the product to prevent the product from being damaged.
- Do not open the enclosure unless you are a professional maintenance engineer to prevent an electric shock.
- Check if the electric supply voltage complies with the product's receiving power supply before use. Disconnect the product from the power supply if the product is not to be used in a long period of time.
- Use a three-phase power socket and ensure that it is properly grounded.
- Disconnect the product from power supply and stop using it if you sense any abnormal sound or smell emitted by the product. Find a professional maintenance engineer to service it.
- Do not let any liquid and metal object go into the product. If any liquid or metal object goes into the product, cut off the power and find a professional maintenance engineer to handle it.
- Do not place the product on an unstable stand, bracket or table. Otherwise, it may fall off and cause personal injury.
- Move the product carefully to prevent it from being hit or squeezed, especially the LCD display, which may cause injury if broken.
- Mount the product as instructed and using only mounting accessories recommended by the manufacturer.
- The product can only be mounted on a concrete wall, solid wall and wood plank wall that can bear over three times of the weight of the interactive panel. Ensure proper ventilation. You should assess the bearing capability of the wall before mounting the product on a special wall such as a steel-structure, hollow, glass or marble wall.
- For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

  (1) This device may not cause harmful interference, and

  (2) this device must accept any interference received, including interference that may cause undesired

operation.

Model:

65GT-X、EPR8AX0065、QIT1X65、TWB-N65、TWB-NB65、TWB-N65X、TWB-NB65X、OTS-65VX、OTS-65V2、OTS-65X、P-65、X-65、P-65X、TID-65、TID-65X、Avtek TouchScreen 65P、Avtek TouchScreen 65X、65GT、65GT-X（standard）、65GT-X（deluxe）、CCS-TS-6500-CA、HD-I6505E、HD-I6506E、HD-I6507E、HD-I6508E、HD-I6509E、HD-I6515E、HD-I6516E、HD-I6520E、HD-I6521E、HD-I6522E、HD-I6523E、HD-I6525E、HD-I6526E、HD-I6528E、HD-I6529E、HD-I6530E、HD-I6531E、HD-I6532E、HD-I6533E、HD-I6535E、HD-I6536E、HD-I6539E、HD-I6548E、HD-I6549E、HD-I6550E、HD-I6551E、HD-I6552E、HD-I6553E、HD-I6555E、HD-I6556E、HD-I6558E、HD-I6559E、HD-I6560E、HD-I6561E、HD-I6562E、HD-I6563E、HD-I6565E、HD-I6566E、HD-I6568E、HD-I6569E、 WS-Z65XC、WS-Z65XD、WS-Z65XE、WS-Z65XL、WS-Z65XN、WS-Z65XP、WS-Z65XQ、WS-Z65XR、WS-Z65XT、WS-Z65XZ WS-Z65AC、WS-Z65AD、WS-Z65AE、WS-Z65 AL、WS-Z65AN、WS-Z65AP、WS-Z65AQ、WS-Z65AR、WS-Z65AT、WS-Z65AZ WB-E651、WB-E656、WB-E658、WB-E659、WB-L651、WB-L656、WB-L658、WB-L658、WB-N651、WB-N656、WB-N658、WB-N659、WB-K651、WB-K656、WB-K658、WB-K659、WB-Z651、WB-Z656、WB-Z658、WB-Z659

（"X" represent 0-9 random numbers or A-Z random letters）

Mounting Requirements

Bearing

You can choose the potable or wall mounting method according to your needs. Wall mounting can substantially save the space.

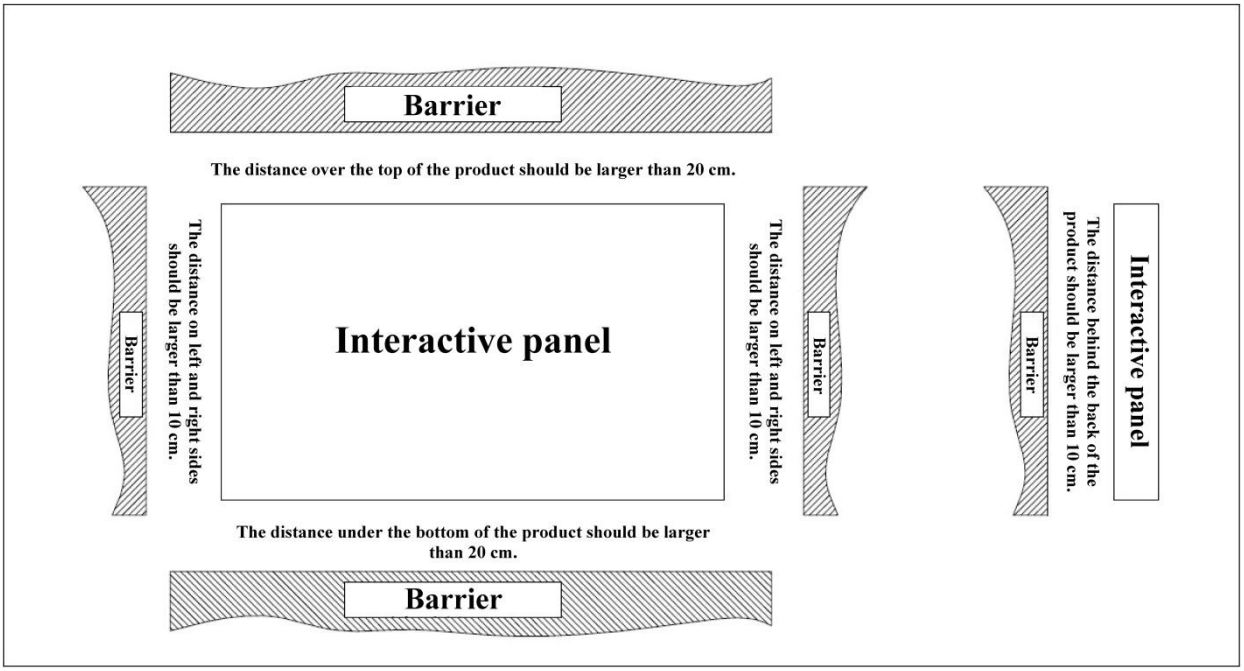
If you choose portable mounting, use the mounting rack or support. If you want to use a self-made mounting rack, the bearing capacity of the rack should be at last four times of the actual weight of the display. The bearing capacity of the mounting support must be at least four times of the actual weight of the display to ensure steadiness of the interactive panel.

Ventilation

Ventilation requirements	Distance to the mounting surface (cm)			
Nominal power	Left and right sides	Top	Bottom	Back
Larger than 100W	10	20	20	10

Note: If the product is mounted inside a wall or a cabinet, in addition to the above-mentioned requirements, the area of ventilation holes at the bottom, top and two sides must be at least 50% of the sealing surface to ensure proper ventilation.

Figure:



* See CAS 132-2006

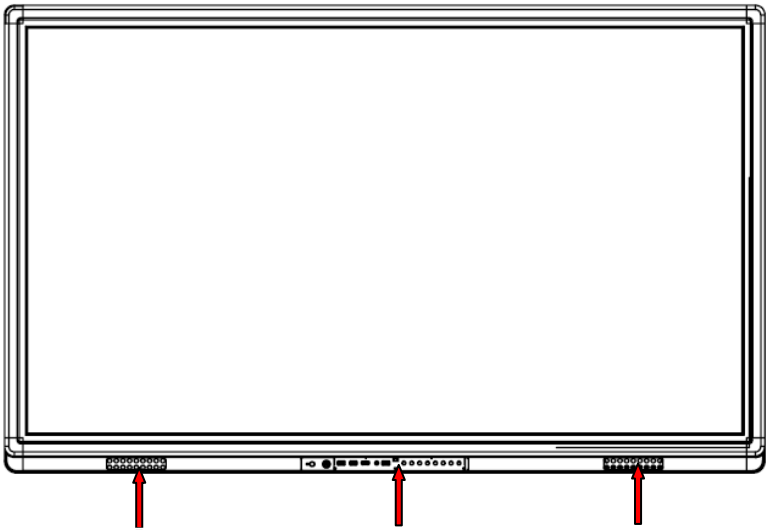
Introduction

Thank you for buying HiteVision interactive panels. As our latest independently developed and produced human-machine interactive products, HiteVision interactive panels are multi-functional teaching displays for interactive teaching, digital demonstration, multi-media presentation, touch operations and handwriting. They are well designed and produced to meet needs of education applications, and provide a user-friendly experience, digital intelligent control as ideal apparatus for modern education. You can use your fingers or opaque objects to write, edit and delete any things on them.

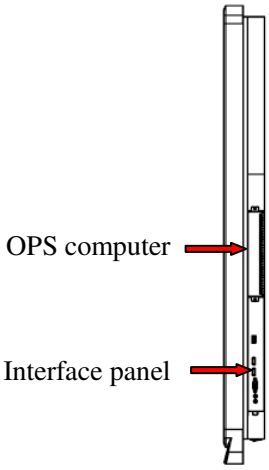
Characteristics

- Specially designed for teaching and meeting systems
- Integrating user management module to realize user adding/deleting, switching and user information customizing functions that coincide with users' preference
- Adopting infrared array scanning and sensing technology, HID drive-free, plug-and-play
- Outstanding display edit functions, supporting instant editing
- Multiple optional pens, width and colors; simulative brushes that are vigorous
- Multiple backgrounds, supporting customized background with any images and graphs inserted
- Supporting dual-point touch and multi-finger roaming; simulative mouse operation
- Supporting identification of handwritten Chinese, English, number and special characters
- Supporting conversion of handwritten files into other formats including PDF, JPEG, GIF, PNG, TIFF and BMP
- Intelligent geometric figure identification, able to identify multiple figures with high recognition rate and multi-pen identification
- Vector-based graphic processing with high compression rate and low distortion
- One-key economy mode
- High luminance and contrast display to ensure clear display under straight light or in outdoor environment

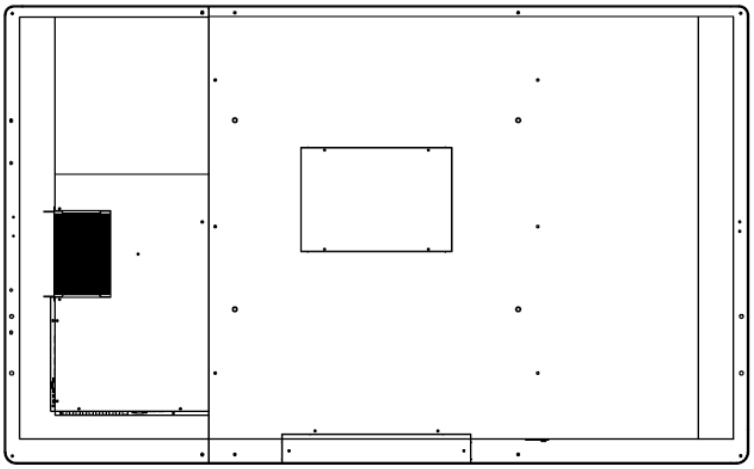
Outer Appearance



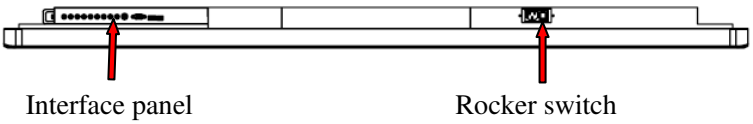
(Front view)



(Left view)

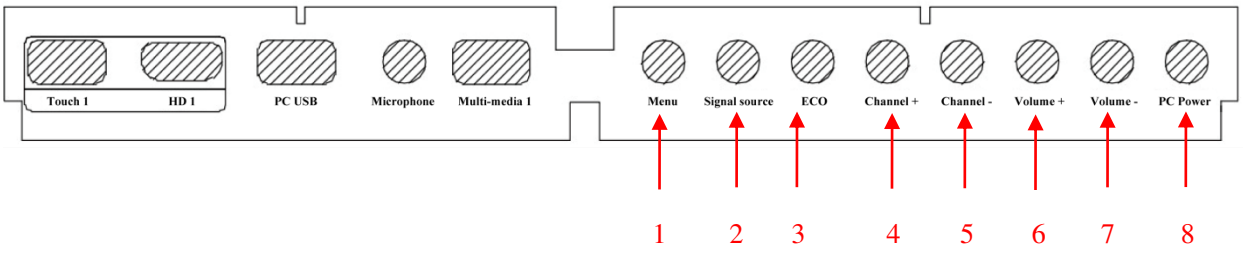


(Rear view)



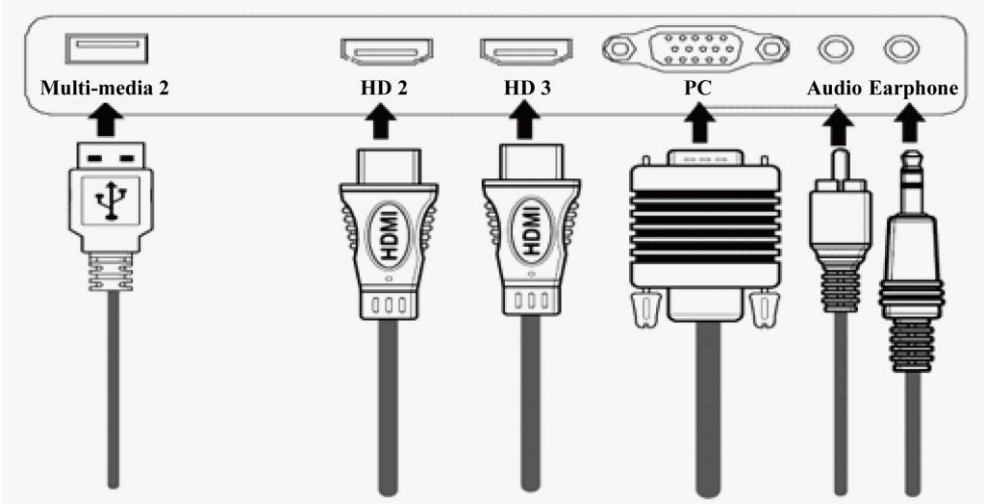
(Front view)

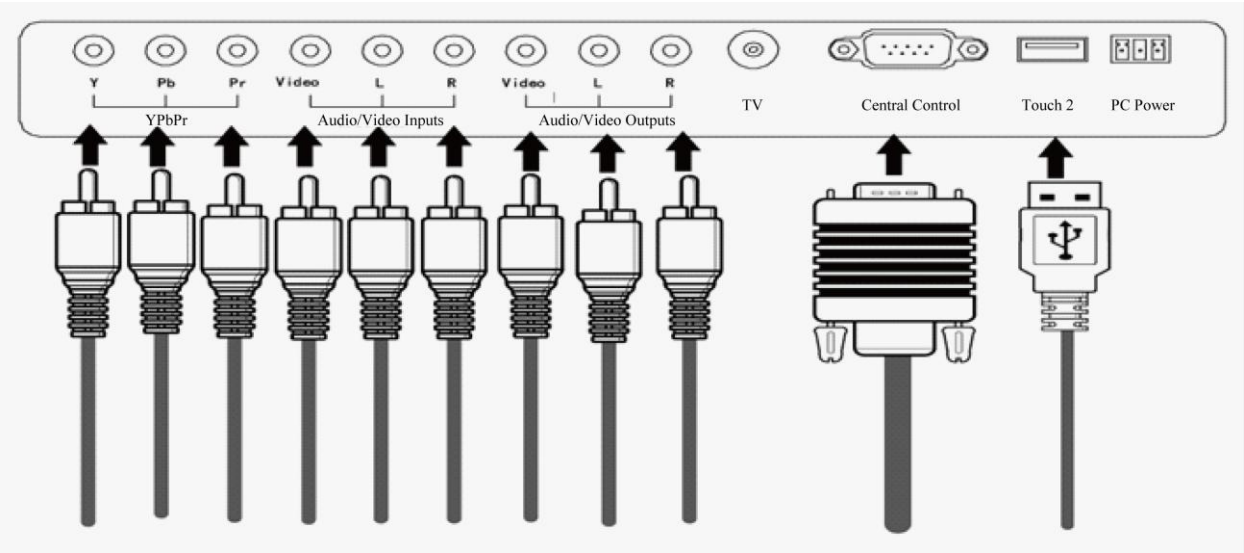
Control panel



1. Menu: Enter/quit the menu.
2. Signal: Show or exit from the signal source menu.
3. ECO: Switch to ECO mode.
4. Channel +: Select the next channel.
5. Channel -: Select the previous channel.
6. VOL+: Increase the volume.
7. VOL-: Decrease the volume.
8. PC Power: Turn on/off the OPS computer.

Interface Panel





Note: The 7.5m USBA-A wire provided together with the panel can only be connected to Touch 2 interface.

Functions of Remote Controller

1]. : Power On or Standby

2]. : Mute

3]. 菜 单: Menu or return to parent menu

4]. 信号源: Display or quit signal source menu

5]. **0-9:** Select TV channel or enter number

6]. 内置电脑 : Switch OPS input signal

7]. 单独听 : Enable Listen Alone mode.

8]. 退出 : Quit

9]. 显示信息 : Show current signal status or information

10]. OK: Confirm selected item

11]. : Up/Down/Left/Right direction buttons

12]. 音量: Adjust volume

13]. 频道: Select channel

14]. : Previous media file

15]. : Next media file

16]. : Rewind, play, fast forward

17]. 静止: Stop/Resume (excluding multi-media channel)

18]. 电脑: Switch to PC input signal

19]. HDMI: Switch to HDMI input signal

20]. AUTO: Auto adjust window under PC signal source

21]. 节能: Switch to ECO mode

Accessory List

When you back the package, please check if the display's outer appearance is in perfect condition and if all the following accessories are in place:

(1) One interactive panel	(2) User manual	(3) Power cable
(4) Remote controller	(5) Pen	(6) USB lead
(7) CD	(8) HDMI cable	(9) AAA alkaline batteries

Basic Operation

Power on

- Power the interactive panel with a 100-240V 50/60Hz AC power supply.
- Turn on the rocker switch on the bottom left of the interactive panel (besides the power interface) to switch on the interactive panel. The power LED turns on in red.
- Press **Power** on the interactive panel or **Standby** on the remote controller to turn on the interactive panel. The power LED turns into green. Press **PC Power** on the interactive panel (for all-in-one models only).

Shutdown

- Press **Power** on the interactive panel to turn off the interactive panel temporarily. Press **PC Power** on the display when the PC is on to shut down the PC (for all-in-one models only).
- Turn off the rocker switch on the bottom left of the panel (besides the power interface) or disconnect the display from the power supply to switch off the interactive panel completely.
- If your panel integrates a PC, please shut down the PC before switching off the interactive panel.

☺ **Note: If you use the One-Key Start function, you do not need to press PC On to switch off the PC.**

Installation of HitePanel

- **Recommended configuration:**

  CPU: Inter (R) Core i3 2.27GHz or AMD CPU with equivalent performance

  Memory: 1GB

  Hard drive: 1GB

  Graphics card: supports DirectX 9 or above

- If the interactive panel is equipped with the latest version of handwriting software in the PC before being delivered, please skip the step.

- HID drive-free function only applies for Vista, Windows 7 and above operating systems (realizing functions of Windows including multi-point touch). HitePanel must be installed and run for Windows XP.

  ① Use the USB lead provided together with the display to connect the interactive panel to PC via the USB port.

  ② Inset the software installation disk into the PC CD-ROM drive.

  ③ Double click the CD to show the following interface:

  ④ Click

to install the software as instructed. Click

and install the software as instructed to obtain complete handwriting display functions.

  ⑤ After the software is installed, save the other documents in PC and restart the PC to make the software effective.

Uninstall HitePanel

- If you want to remove HitePanel from your PC, click **Control Panel ➡ Add or Remove Programs ➡ HitePanel ➡ Modify/Delete** to remove HitePanel.

Position HitePanel

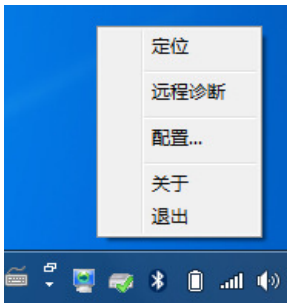
To ensure that the handwriting display works properly, you need to make the handwriting shown on the panel coincides with the actual handwriting and position HitePanel to realize accurate coincidence. You need to position HitePanel under the following circumstances:

- When you first use the interactive LCD panel;
- Re-install the drive program;
- When you connect the panel to another PC;

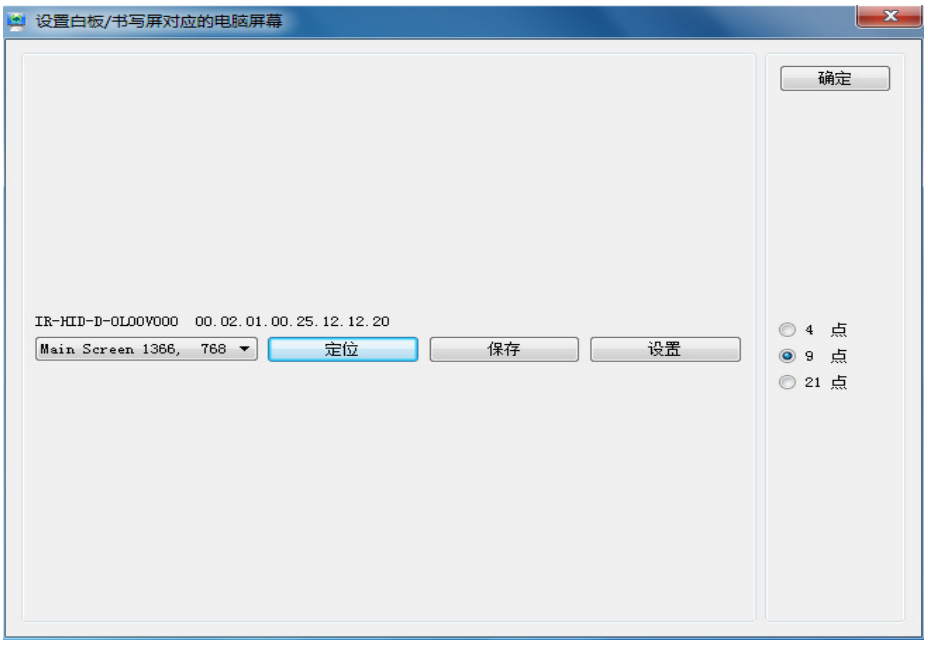
The handwriting panel adopts nine-point positioning method. The position process is described as follows:

① Connect the panel and run the drive program;

② Click the handwriting drive icon on the right bottom of the panel to show the following image:



③ Select **Nine Points** and click **Position**.



④ Use the pen to click and hold the center of the flickering cross. Do not release it until the flickering cross moves to the next positioning point. Complete the positioning process as instructed. After it completes, you will return to the desktop automatically.

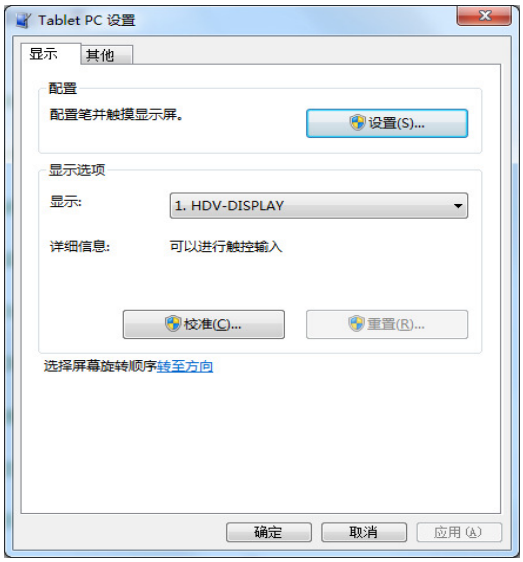
Positioning Method for Windows 7

1. Connect the interactive panel to PC using the USB lead via the USB interface on the panel;

2. Select **Tablet PC Setting** on **Control Panel**.

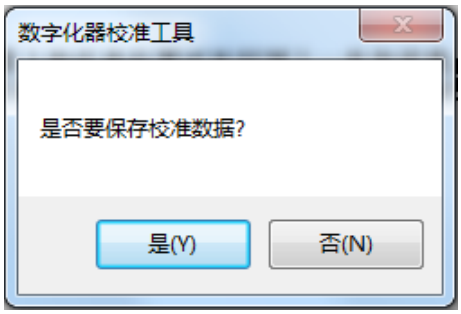
3. Select

on the setting window.



Use the pen to click and hold the center of the flickering cross. Do not release it until the flickering cross moves to the next positioning point. Complete the positioning process as instructed.

Click **Yes** after it completes.



Hits & Tips

- To ensure the handwriting accuracy, use the pen provided together with the interactive panel rather a finger to perform positioning.
- Positioning errors may cause failures in touch functions of the interactive panel. In that case, please perform positioning again.
- Tap ESC on the keyboard during the positioning process to cease positioning.
- The positioning interface varies between different software versions. Please follow instructions provided on the actual interface.

Assemble Built-in Computer

Insert OPS computer into the slot and fasten it with two M4 screws on the left and right.

Note:

The OPS computer is not plug-and-play. Disconnect the interactive panel from the power before inserting the OPS computer.

Select Signal Channel

Press **Signal Source** to show the list of signal sources. Press ▲/▼ to select an option and press **OK** to enter the sub-menu. After signal search is ON, when the interactive panel is started or there is no signal, the interactive panel will automatically search and switch signal sources. The signal source searching scope and priority sequence is: PC, HDMI1, HDMI2, HDMI3, YPBPR, AV.

Menu

Press **MENU** on the remote controller to display the menu (**Time → Channel → Image → Sound → Setting**). Press ▲/▼ to choose a sub-menu and press **OK** to enter the sub-menu. Press **Quit** to quit the menu.

Times

Enter the Time menu to display items including **Clock**, **Off Time**, **On Time**, **Sleep Timer**, **Auto Sleep** and **Menu Disappear Timer**. Press ▲/▼ to select an item and press **OK** to enter the sub-menu.

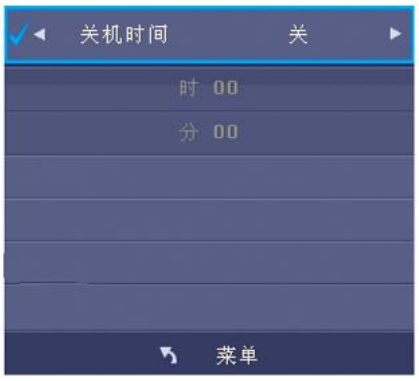
[1] Clock

After you enter the **Clock** sub-menu, the interface shows items including the day, month, year, hour and minute.

- Press ▲/▼ to select an item.
- Press ◄/► to adjust the value of the selected item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[2] Off Time

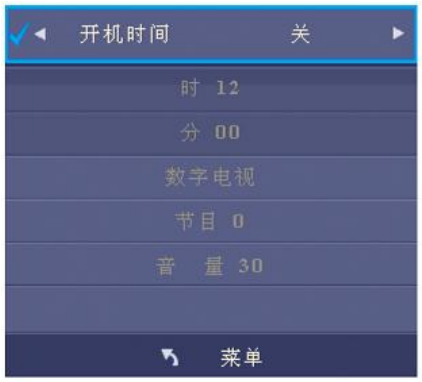
After you enter the **Off Time** sub-menu, the interface will show items including hour and minute. Press ◄/► to change the off time mode: **Once**, **Everyday**, **Monday to Friday**, **Monday to Saturday**, **Saturday and Sunday**, **Sunday** and **Off**.



- Press ▲/▼ to select an item.
- Press ◄/► to adjust the value of the selected item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[3] On Time

After you enter the **On Time** sub-menu, the interface will show items including hour, minute, signal source, program, and volume. Press ◄/► to change the on time mode: **Once**, **Everyday**, **Monday to Friday**, **Monday to Saturday**, **Saturday and Sunday**, **Sunday** and **Off**.



- Press ▲/▼ to select an item.
- Press ◄/► to adjust the value of the selected item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[4] Sleep Timer

After you enter the **Sleep Timer** sub-menu, the interface shows **Off**, **10 min**, **20 min**, **30 min**, **60 min**, **90 min**, **120 min**, **180 min**, and **240 min**.

- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

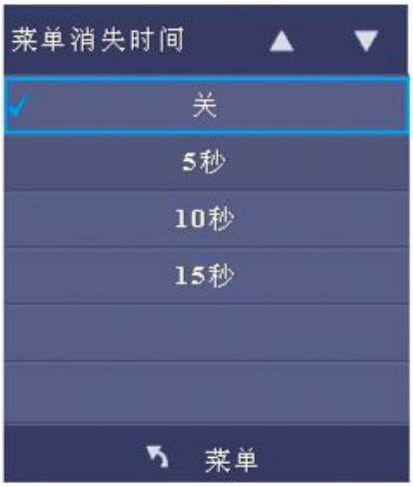
[5] Auto Sleep

After you enter the **Auto Sleep** sub-menu, the interface shows **On** and **Off** options.

- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[6] Menu Disappear Timer

After you enter the **Menu Disappear Timer** sub-menu, the interface shows options including **Off**, **5 s**, **10 s** and **15 s**.



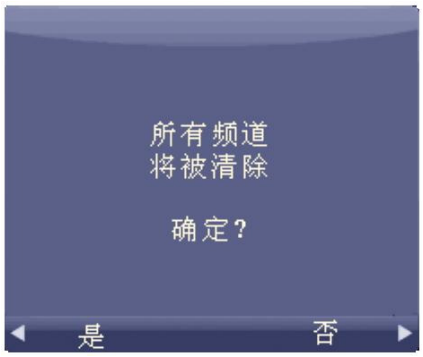
- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.

Channel

After you enter the **Channel** menu, the interface shows options including **Auto Search**, **Digital Manual Search**, **Analog Manual Search**, **Channel Edit**, **Signal Info**, and **File Burning Sys**. Press ▲/▼ to select an item and **OK** to enter the sub-menu.

☺ **Note: The Channel menu is only effective when the signal source is TV.**

[1] Auto Search

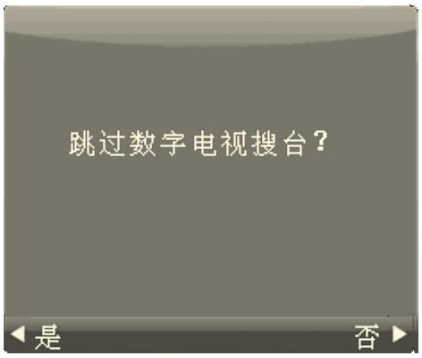


- Press **OK** to start auto search.
- Press ◄/► to select **Yes** or **No**.

- After you press **Yes**, press ◄/► to select the type of channels to search (Digital, Analog, Digital+Analog);
- Press ▲/▼/◄/► to select a country.

- Press **OK** to start auto search. It will complete in several minutes.

- If you need to cease the search, press **Menu** and ◄/► to choose **Yes** or **No**.



[2] Digital Manual Search

After you enter the **Digital Manual Search** sub-menu, the interface shows the following information:

- Press ◄/► to select the channel to be searched.
- Press **OK** to start search.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[3] Analog Manual Search

After you enter the **Analog Manual Search** sub-menu, the interface shows options including **Store to**, **Audio**, **PAL** (color system), **Current Channel**, **Search**, and **Fine Tune**.

- Press ▲/▼ to select an item.
- Press ◄/► to adjust the value of the selected item.
- Press **OK** to start search.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[4] Channel Edit

After you enter the Channel Edit sub-menu, the interface shows channel information.

- Press ▲/▼ to select the channel to be edited.
- Press ◄/► to select **Delete**, **Skip**, **Move**, **Rename** or **Set** current channel as the favorite.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[5] Signal Info

After you enter the **Signal Info** sub-menu, the interface shows options including **Program**, **Network**, **Quality**, and **Strength**. Press **OK** to enter the option.

[6] ile Burning Sys

After you enter the **File Burning Sys** sub-menu, the interface shows options including **Choose Disk**, **Check File Burning Sys**, and **USB Disk**.

- Press ▲/▼ to select an item.
- Press ◄/► to change the limit value of the burning time.
- Press **OK** to enter the selected function.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

Image

After you enter the **Image** menu, the interface shows options including **Image Mode**, **Color Temperature**, **Zoom Mode**, **De-noise**, **PC Setting**, and **Backlight**. Press ▲/▼ to select an item and **OK** to enter the sub-menu.

[1] Image Mode

After you enter the **Image Mode** sub-menu, the interface shows options including **Contrast**, **Luminance**, **Color**, **Sharpness**, and **Hue**. Press ◄/► to choose Standard – Soft – Custom – Dynamic image.

When the image mode is **Custom**

- Press ▲/▼ to select an item.
- Press ◄/► to adjust the value of the selected item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

☺ **Note: The Hue option is only effective when the signal system is NTSC.**

[2] Color Temperature

When you enter the **Color Temperature** sub-menu, the interface shows options including **Red**, **Green** and **Blue**. Press ◄/► to choose **Standard**, **Warm**, **Custom** or **Cold**.

When the color temperature mode is **Custom**

- Press ▲/▼ to select an item.
- Press ◄/► to adjust the value of the selected item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[3] Zoom Mode

After you enter the **Zoom Mode** sub-menu, the interface shows options including Auto, 4:3, 16:9, Zoom 1, Zoom 2, Full, Non-linear, and Point-to-Point.

- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

☺ **Note: Adjustable options may vary under different signal sources.**

[4] De-noise

After you enter the **De-noise** sub-menu, the interface shows options including **Off**, **Low**, **Middle**, **High**, and **Default**.

- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[5] PC Setting

After you enter the **PC Setting** sub-menu, the interface shows options including **Auto ADJ**, **Line Position**, **Field Position**, **Zoom** and **Phase**. When **Auto ADJ** is selected, press **OK** to automatically adjust the window. The brighter the surrounding is, the more accurate the automatic adjustment will be.

- Press ▲/▼ to select an item.
- Press ◄/► to adjust the value of the selected item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

☺ **Note: The option is only effective when the signal source is PC.**

[6] Backlight

When the Eco mode is set to **Standard**, press ◄/► to adjust the value. Press **Menu** to return to the parent menu. Press **Quit** to quit the menu.

☺ **Note: In the ECO and Auto mode, the Backlight option is in grey and cannot be adjusted.**

Sound

After you enter the **Sound** menu, the interface shows options including **Sound Mode**, **Balance**, **Auto Volume**, **Surround**, **Optical Mode**, **Neutral**, and **Listen Alone**. Press ▲/▼ to select an option and **OK** to enter the sub-menu.

[1] Sound Mode

After you enter the **Sound Mode** sub-menu, the interface shows options including **High Pitch** and **Low Pitch**. Press ◄/► to set the **Sound Mode** to Standard, Music, Movie, Sport and Custom. When the sound mode is set to **Custom**:

- Press ▲/▼ to select an item.
- Press ◄/► to adjust the value of the selected item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[2] Auto Volume

After you enter the **Auto Volume** sub-menu, the interface shows **On** and **Off** options.

- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[3] Surround

After you enter the **Surround** sub-menu, the interface shows options including **Off**, **Surround**, and **SRS TruSurround XT**.

- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[4] Optical Mode

After you enter the **Optical Mode** sub-menu, the interface shows options including **PCM** and **Auto**.

- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[5] Balance

After you enter the **Balance** sub-menu, the interface shows options including **120Hz**, **500Hz**, **1.2KHz**, **7.5KHz** and **12KHz**. When the balance mode is set to **Custom**:

- Press ▲/▼ to select an item.
- Press ◄/► to adjust the value of the selected item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[6] Listen Alone

Press ▲/▼ to switch to **Listen Alone (Off)** option. Press **OK** and the screen turns black. Press any button on the remote controller under the **Listen Alone** mode to restore to the normal mode.

Setting

After you enter the **Setting** menu, the interface shows options including **Language**, **Sound Track**, **Caption**, **Transparency**, **Factory Reset**, **Signal Search**, and **One-Key Start**. Press ▲/▼ to select an item and **OK** to enter the sub-menu.

[1] Language

After you enter the **Language** sub-menu, the interface shows options including **Chinese** and **English**.

- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[2] Sound Track

After you enter the **Sound Track** sub-menu, the interface shows options including **Chinese** and **English**.

- Press ◄/► to select **Main** or **Standby**.
- Press ▲/▼/◄/► to select the language.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[3] Caption

After you enter the **Caption** sub-menu, the interface shows options including **Chinese** and **English**.

- Press ◄/► to select **Main** or **Standby**.
- Press ▲/▼/◄/► to select a language.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[4] Transparency

After you enter the **Transparency** sub-menu, the interface shows options including **Off**, **Low**, **Middle** and **High**.

- Press ▲/▼ to select an item.
- Press **Menu** to return to the parent menu.
- Press **Quit** to quit the menu.

[5] Factory Reset

After you enter the **Factory Reset** sub-menu, the interface shows options including **Yes** and No. Press ◄ to reset it and ► to quit.

[6] Signal Search

After you enter the **Signal Search** sub-menu, press ▲/▼ to select the signal search item. Press **OK** to enable or disable signal search. When it is **On**, it will automatically search for signals.

[7] One-Key Start

After you enter the **Setting** menu, press ▲/▼ to select **One-Key Start**. Press **OK** to enable or disable One-Key Start.

When it is **On**, the OPS computer will be started or shut down when the interactive panel is started or shut down.
(Press **Signal Source** and the list of signal sources shows **OPS** Computer.)

When it is **Off**, the OPS computer will not be started when the interactive panel is started. (Press **Signal Source** and the list of signal sources does not show **OPS Computer**.)

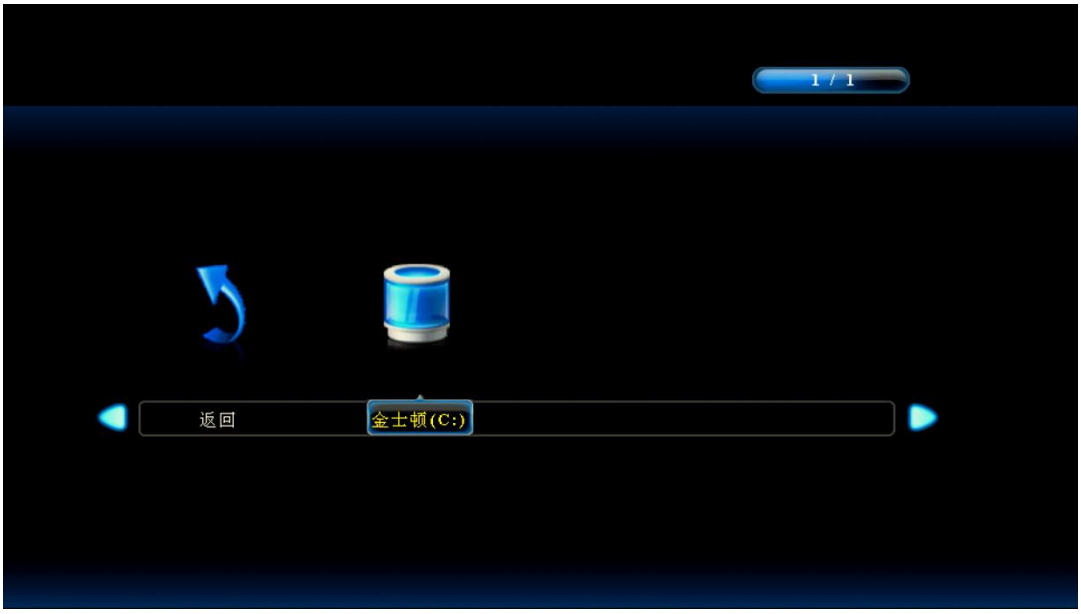
Multi-Media

Press **Signal Source** on the remote controller to display the list of signal sources. Press ▲/▼ to switch to **Multi-Media** signal channel. Press **OK** to enter the channel.

After you enter the multi-media signal source, the interface shows options including **Image**, **Music**, **Movie** and **File**. The color of the USB icon indicates if USB is detected. Blue means USB is detected. Grey means no USB is detected.

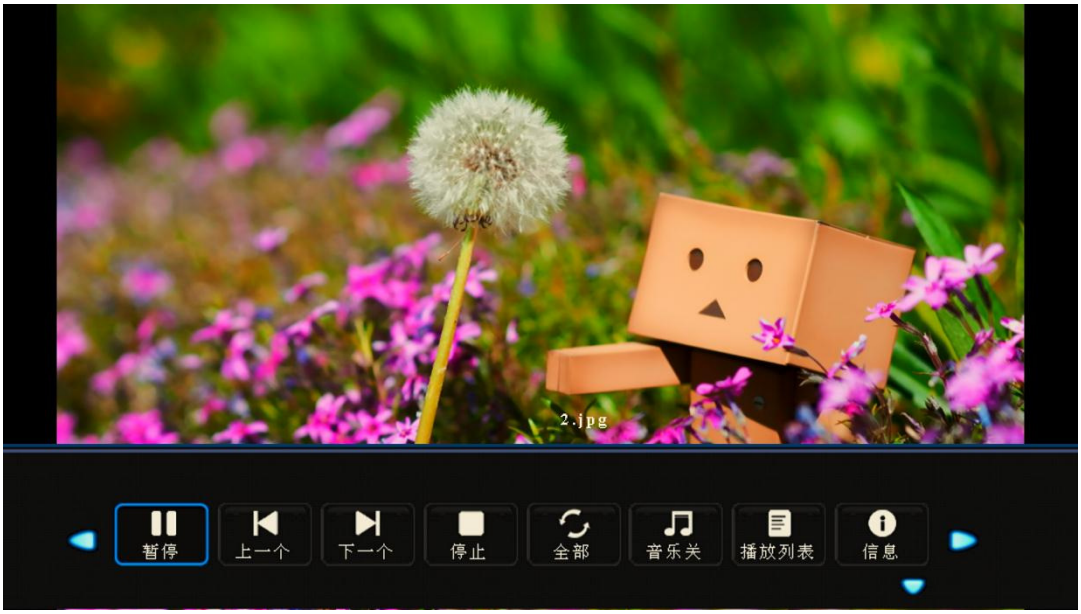
- Press ▲/▼ to select **Flash Disk**.
- Press ◄/► to select the type of content to be played.
- Press **OK** to enter the category.
- Press Quit to return to the main menu.

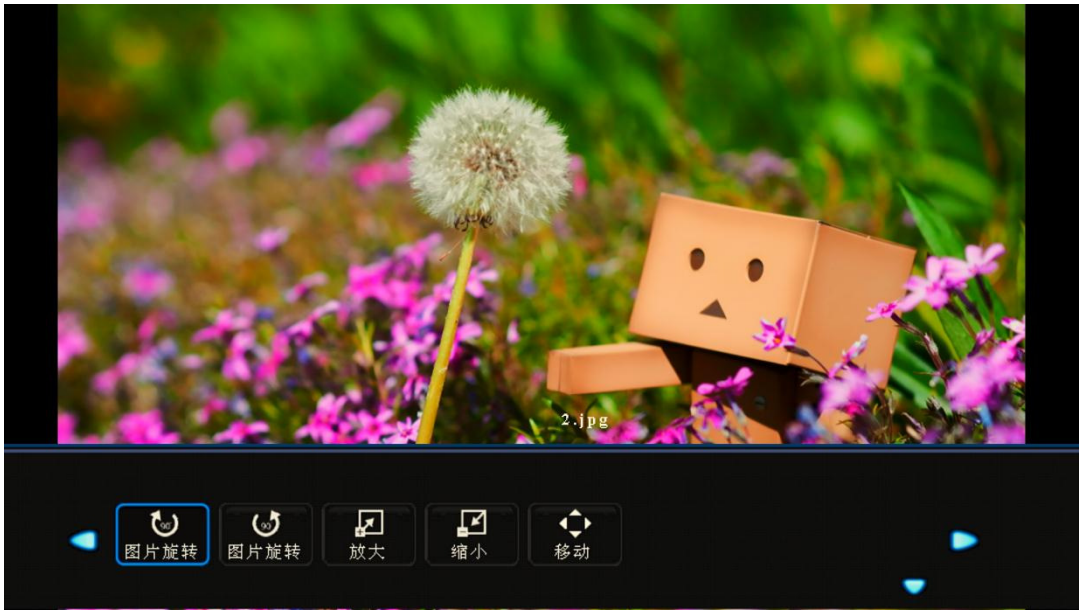
When USB is detected, press **OK** to show content in the flash disk.



[1] Image

After you enter **Image** option, press ▲/▼/◄/► to select images to be displayed. Press **OK** to select or de-select an image. Press ►II to start or stop displaying.

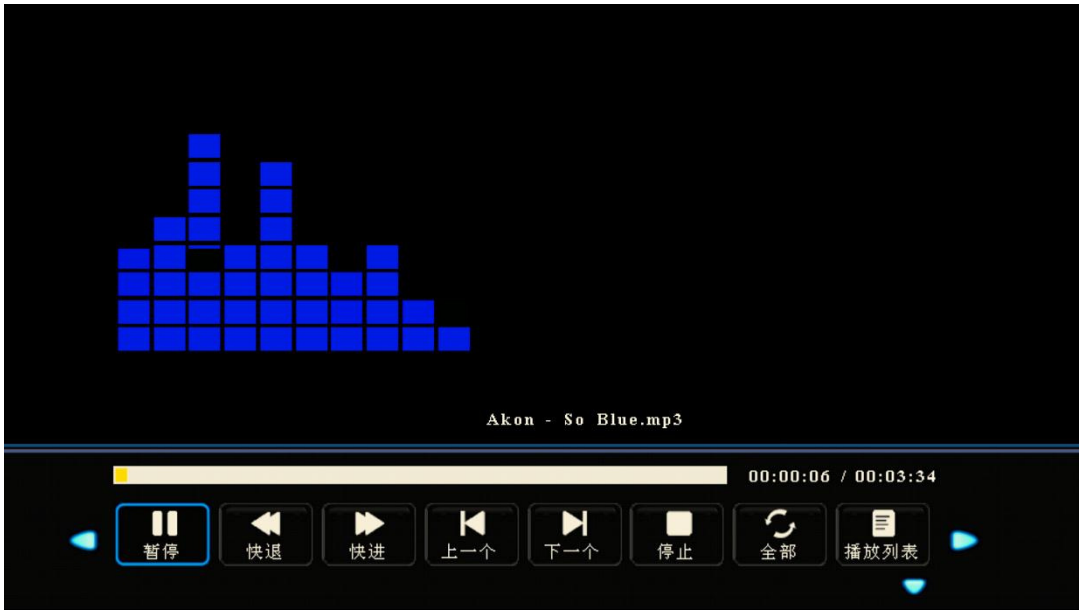


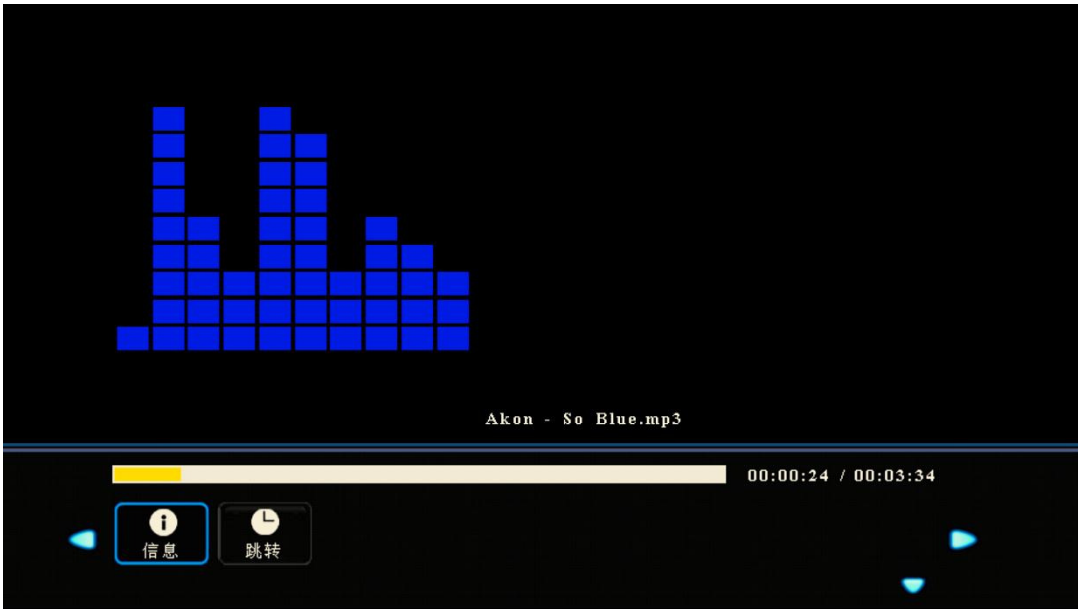


- Press **Show Info** to show the operation function menu. Press ◄/► to select a function and press **OK** to use the function.(The functions include: Play/Pause, Previous, Next, Stop, All, Music Off, Playlist, Information, Clockwise Rotation, Counterclockwise Rotation, Zoom Up, Zoon Down, and Move.)
- Press I◄◄ to display the previous image and ►►I to display the next image.
- Press ◄◄ to change the fast reverse speed and ►► to change the fast forward speed.
- Press **Quit** to quit playing.

[2] Music

After you enter **Music** option, press ▲/▼/◄/► to select music to be played. Press **OK** to select or de-select a song. Press ►II to start or stop playing and shortcut buttons on the remote controller to use relevant functions.





- Press **Show Info** to show the operation function menu. Press ◄/► to select a function and press **OK** to use the function.

  (The functions include: Play/Pause, Fast Reverse, Fast Forward, Previous, Next, Stop, All, Playlist, Information, and Jump To.)

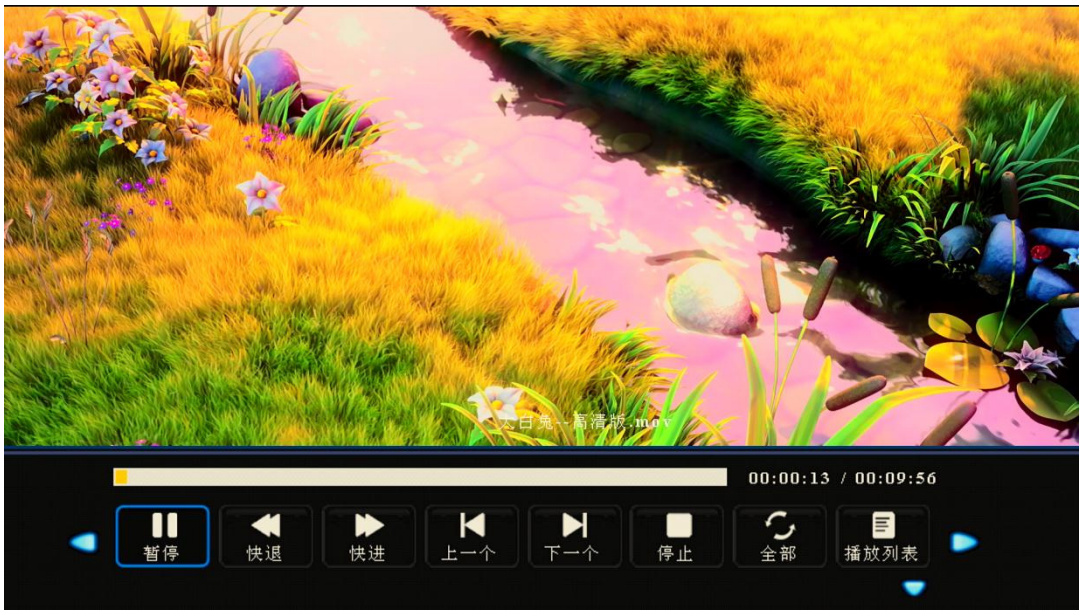
- Press **I◄◄** to play the previous song and **►►I** to play the next one.

- Press **◄◄** to change the fast reverse speed and **►►** to change the fast forward speed.

- Press **Quit** to quit playing.

[3] Movie

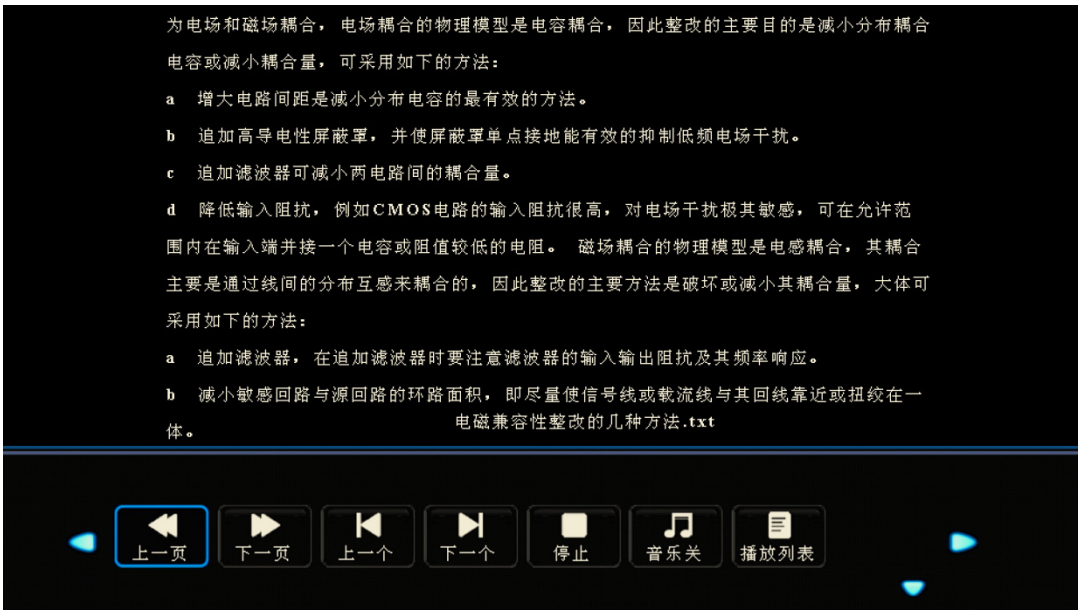
After you enter **Movie** option, press ▲/▼/◄/► to select movies to be displayed. Press **OK** to select or de-select a movie. Press ►II to start or stop playing.



- Press **Show Info** to show the operation function menu. Press ◄/► to select a function and press **OK** to use the function.
- Press ◄/► to select a function and press **OK** to use the function. (The functions include: Play/Pause, Fast Reverse, Fast Forward, Previous, Next, Stop, All, Playlist, Information, Jump To, Zoom Up, Zoom Down, Zoom Mode, and Move.)
- Press **Quit** to quit playing.

[4] File

After you enter **File** option, press ▲/▼/◄/► to select files to be displayed. Press **OK** to select or de-select a file. Press ►II to start or stop displaying.



- Press **Show Info** to show the operation function menu. Press ◄/► to select a function and press **OK** to use the function.
  (The functions include: Previous Page, Next Page, Previous, Next, Music Off, and Playlist.)
- Press **Quit** to quit playing.

ECO Mode

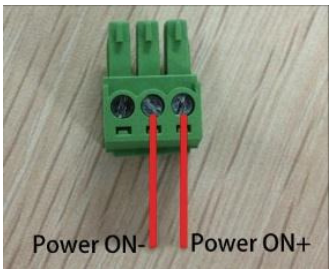
Press **ECO** on the remote controller to enter the ECO mode (Standard-ECO-Auto). Hold the button to switch between the three modes.

- Under the ECO mode, the display will darken.
- Under the Auto mode, the display will automatically adjust the backlight according to the intensity of light from the environment. When the surrounding light is strong, the screen will bright up. When the surround light is weak, the screen will darken.
- Under the Standard mode, you can select the **Backlight** item on the **Image** menu and press ◄/► to adjust the backlight.

☺ **Note: To save energy, please switch off the panel when it is idle. You can also lower the luminance of the display to decelerate the consumption of power.**

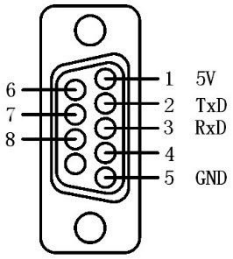
PC_Reset Interface

- When PC_Reset interface is connected to Power ON+ and Power ON- on the external PC's main board, you can press **PC Power** on **Control Panel** to power on and off the PC.
- To use PC_Reset interface, please use the PC controller provided together with the panel. The definitions of the interfaces are shown as follows:



Serial Port Control

The RS-232 port of the interactive panel is defined as follows:



Connect RS-232 port to the PC or controlling device. Enable RS-233 serial port connection and complete the following configuration.

Port: COM1 (Set according to PC or controlling device's port number)			
Bit rate:	19200	Odd/even check	None
Data bits	8	Stop bit	1

The following table lists button controlling codes. The buttons share same functions with corresponding buttons on the remote controller:

Function	Controlling codes	Function	Controlling codes
Power on	99 A2 B3 C4 02 ff 01 00	Power off	99 A2 B3 C4 02 ff 01 01
Mute	99 A2 B3 C4 02 ff 01 02	Analog TV	99 A2 B3 C4 02 ff 01 03
VGA	99 A2 B3 C4 02 ff 01 04	Quit	99 A2 B3 C4 02 ff 01 05
AV	99 A2 B3 C4 02 ff 01 06	HD 2	99 A2 B3 C4 02 ff 01 22
HD 1	99 A2 B3 C4 02 ff 01 07	OPS computer	99 A2 B3 C4 02 ff 01 24
HD 3	99 A2 B3 C4 02 ff 01 23	Multi-media	99 A2 B3 C4 02 ff 01 09
OK	99 A2 B3 C4 02 ff 01 08	Freeze	99 A2 B3 C4 02 ff 01 0A
Input	99 A2 B3 C4 02 ff 01 0B	Volume-	99 A2 B3 C4 02 ff 01 0C
Volume+	99 A2 B3 C4 02 ff 01 0D	Channel-	99 A2 B3 C4 02 ff 01 0E
Channel+	99 A2 B3 C4 02 ff 01 0F	→	99 A2 B3 C4 02 ff 01 10
←	99 A2 B3 C4 02 ff 01 11	↑	99 A2 B3 C4 02 ff 01 12
↓	99 A2 B3 C4 02 ff 01 13	Menu	99 A2 B3 C4 02 ff 01 14
Auto ADJ	99 A2 B3 C4 02 ff 01 15	**1**	99 A2 B3 C4 02 ff 01 18
YPbPr	99 A2 B3 C4 02 ff 01 17	**3**	99 A2 B3 C4 02 ff 01 1A
2	99 A2 B3 C4 02 ff 01 19	**5**	99 A2 B3 C4 02 ff 01 1C
4	99 A2 B3 C4 02 ff 01 1B	**7**	99 A2 B3 C4 02 ff 01 1E
6	99 A2 B3 C4 02 ff 01 1D	**9**	99 A2 B3 C4 02 ff 01 20
8	99 A2 B3 C4 02 ff 01 1F	Digital TV	99 A2 B3 C4 02 ff 01 25
0	99 A2 B3 C4 02 ff 01 21		

Specifications of PC Mode (VGA Input)

SN	Standard	Resolution	Refresh Rate (Hz)	Horizontal Frequency (Khz)	Vertical Frequency (Hz)	Horizontal/Vertical Sync Polarity (TTL)
1	VESA	640X480	60	31.5	60	N/N
2	VESA	640X480	72	37.9	72	N/N
3	VESA	640X480	75	37.5	75	N/N
4	VESA	800X600	56	35.1	56	P/P
5	VESA	800X600	60	37.9	60	P/P
6	VESA	800X600	72	48.1	72	P/P
7	VESA	800X600	75	46.9	75	P/P
8	VESA	1024X768	60	48.4	60	N/N
9	VESA	1024X768	70	56.5	70	N/N
10	VESA	1024X768	75	60	75	N/N
11	VESA	1280X960	60	60	60	N/N
12	VESA	1280X960	75	75.159	75	N/N
13	VESA	1280X1024	60	64	60	P/P
14	VESA	1280X1024	75	80	75	P/P
15	VESA	1600X1200	60	75	60	P/P
16	VESA	1920X1080	60	66.547	59.988	P/P

Formats Supported by USB Mode

Media category	**Formats**	**Extension**
Image	Progressive JPEG, Baseline JPEG, Non-Interlaced, Interlaced	.jpg, .jpeg, .bmp, .png
Movie	MPEG1, MPEG2, MPEG4, H.264, RV8, RV9, RV10, RV8-LBR, MJPEG, DivX, Xvid	.avi, .mpg, .dat, .vob, .mov, .mkv, .rm, .rmvb, .mp4, .ts, .trp
Music	WMA, MP3, AAC	.wma, .mp3, .m4a, .aac
Text	TXT	.txt

FAQ & Troubleshooting

Failure	Possible cause	Solution
Fail to connect to the service program	The drive program is not correctly installed.	Install the drive program correctly.
	The USB interface (lead) is not connected or is faulty.	Change the USB lead or check if the USB interface is faulty.
	The infrared tube is blocked.	Ensure that the surrounding infrared tubes are not blocked.
The panel needs re-positioning every time it is switched on.	The computer is equipped with a recovery card.	Disable computer protection and perform the positioning again.
The positioning is inaccurate.	You do not perform the positioning as instructed.	Press **Auto** on the remote controller to fully cover the display with an image and use the pen provided together with the panel to perform positioning again.
The cursor of the pen is unstable when the pen is used.	Wrong writing method	Use the pen rather than a finger to write. Grasp the pen as far to the nib as possible. The angle between the pen and display should be larger than 60 degrees. Do not let sleeve or wrist touch the display.
	Strong light or infrared interference	Remove the interference source or change the using environment.
The handwriting is discontinuous.	Wrong writing method	Use the pen rather than a finger to write. Grasp the pen as far to the nib as possible. The angle between the pen and display should be larger than 60 degrees. Do not let sleeve or wrist touch the writing surface.
	The required covering area is not reached when writing or the nib is too small.	Change the nib or use a pen with a larger covering area.
	The infrared tube is blocked.	Check if infrared tubes are blocked.
	Strong light or infrared interference	Remove the interference source or change the using environment.
Unable to write	The color of strokes is same as or similar to the background color.	Change the color of strokes.
	You hand or other objects are put on the display when writing.	Use the pen rather than a finger to write. Grasp the pen as far to the nib as possible. The angle between the pen and display should be larger than 60 degrees. Do not let sleeve or wrist touch the writing surface.

Failure	Possible cause	Solution
	Strong light or infrared interference	Remove the interference source or change the using environment.
	Wrong writing method	Use the pen rather than a finger to write. Grasp the pen as far to the nib as possible. The angle between the pen and display should be larger than 60 degrees. Do not let sleeve or wrist touch the writing surface.
Not sound and image	1. Check if the power cable is connected to the power socket and if the panel is connected to power. 2. Check if the rocker switch on the interactive panel is switched on. 3. Check if the **Standby** button on the panel is pressed. 4. Check if the video and audio input cables are connected correctly. 5. Check if the panel is switched to the right signal source. 6. Check settings including image luminance and contrast. 7. Check the volume.	
Image is normal, but no sound	1. Check the volume. 2. Check if the **Mute** button on the remote controller is pressed. 3. Check if the audio cable between the PC and interactive panel is connected correctly.	
No image or the image is black and white	1. Adjust color settings. 2. Check the color system.	
Image or sound is interrupted	1. Find out the electric appliance that causes the interference and move it away from the interactive panel. 2. Do not connect the panel to a power socket that a disrupting electric appliance is connected to.	
The remote controller fails.	1. Change the batteries. 2. Clean the launch window at the top of the remote controller. (Check if it is blocked) 3. Check contacts of the batteries.	
Computer cannot be started (applicable for models with computers)	1. Check if the computer adapter is correctly connected and is connected to power. 2. Check if the computer is connected correctly to the interactive panel.	

Self-inspection:

The following phenomena are not failures:

- Given the high-precision production technology, the LCD panel may have a very few constantly bright or dark pixels, which turn out to be tiny red, blue, green or dark points on the panel. The phenomenon is normal.
- The panel may make slight sound when it is adjusting backlight or it is cooling.
- When the image and sound are normal, and you touch the LCD panel with fingers, you may feel static electricity. The temperature of the rear of the panel and product is high. These are normal phenomena.

Instructions for Antenna Isolator

The antenna isolator is a key component that protects your safety.

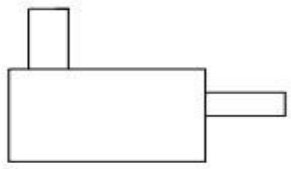


Figure 1

To prevent fire, electric leakage and damage to the product due to inappropriate wiring, please follow the instruction to install the antenna isolator (see Figure 2).

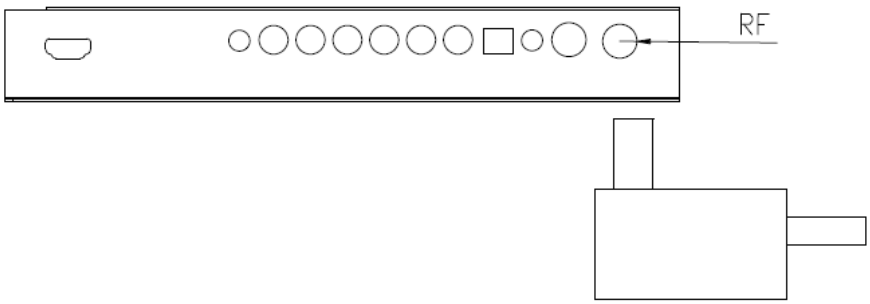


Figure 2

Instructions in *Provisions for Recycling and Disposal of Waste Electrical and Electronic Products*

The *Provisions for Recycling and Disposal of Waste Electrical and Electronic Products* (Order No.551) was issued by the State Council on August 20, 2008, and became effective on January 1, 2011.

- When you no longer need to use the product, you must comply with laws and regulations on recycling and disposal of waste electric and electronic products to return the waste product to a company licensed for receiving and disposing waste electric and electronic products.
- You can also send the waste interactive panel to HiteVision's service centers across the country.

Maintenance Tips

- Do not put or install the product near a heat source or under direct sunlight, in dusty or humid places, or where the product can be affected or damaged by mechanical vibration. To maximize the performance, it should be put away from equipment such as grid, large metal objects and radar stations as far as possible.
- Do not wipe the panel with any chemical agent. Solvents may damage the enclosure or paint. If the panel is stained by dust, please cut off the power, soak the clean cloth in warm water, wring it to clean the panel. You should use a clean soft cloth to clean the LCD display of the panel.
- Do not frequently switch on and off the product. This can shorten the product's service life. After the panel is switched off, please wait for three minutes before switching on it again. If the product is not to be used for a long period of time, please disconnect the product from power supply.
- Do not maximize the brightness and contrast of the LCD display for a long period of time, which can shorten the LCD display's service life.
- Do not write on the touch screen with a hard object, which can scratch the LCD display.

Specifications

Screen size	65"
Backlight type	LED
Aspect ratio	16:9
Viewing angle	178°
Physical resolution	1920*1080 Pixel
Image/Sound system	PAL, NTSC, SECAM/ B/G, D/K, I, L/L'
Working voltage	AC 90-265V, 50/60Hz
Power consumption	Standard: <220W, standby: ≤0.5W
Touch screen material	Tempered glass
Sensing method	Infrared
Technical feature	HID drive-free
Touch point	Multi-touch
Writing method	Fingers or pen
Resolution of touch screen	32767*32767
Communication interface	USB
Storage temperature/humidity	-20°C-60°C, 10%-90%
Working temperature/humidity	5°C-50°C, 10%-90%
Installation method	Wall or portable mounting
Dimensions	1565mm*957mm*88mm
Weight	About 72KG

* HiteVision may modify the user manual without prior notice.

* If you discover any unclear presentation, mistake or omission in this manual, please contact with us immediately. HiteVision is not liable for any loss or damage if you fail to contact with us.

FCC WARNING

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.