



**Monitor**  
User Manual

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## Applicable Models

This manual is applicable to monitor.

## Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 <b>Note</b>	Provides additional information to emphasize or supplement important points of the main text.
 <b>Caution</b>	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 <b>Danger</b>	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.


## Safety Instructions

### **Danger**

- **Caution:** The device may generate radio interference in indoor environment. Necessary precautions may be required.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 100 to 240 VAC or 12 VDC/2 A according to the IEC60950-1 standard.
- **CAUTION:** Replace the fuse only with the same model to reduce the risk of fire or electric shock.
- The device must be connected to an earthed mains socket-outlet.
- Make sure that the power has been disconnected before you wire, install, or disassemble the device.
- **CAUTION:** This device is for use only with specified bracket (Hikvision's monitor stand). Use with other (carts, stands, or carriers) may result in instability causing injury.
- To prevent possible hearing damage, do not listen at high volume levels for long periods.
- If the device is not working properly, contact the store where the device was purchased or the nearest service center and do not remove or modify the device in any way. (Our company is not responsible for problems caused by unauthorized modifications or repairs.)
- Do not connect several devices to one power adapter as adapter overload may cause overheating or a fire hazard.



### Caution

- The device shall not be exposed to water dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the equipment.
- Ensure correct wiring of the terminals for connection to mains supply.
- The device has been designed, when required, modified for connection to an IT power distribution system.
-  identifies the battery holder itself and identifies the positioning of the cell(s) inside the battery holder.
- + identifies the positive terminal(s) of equipment which is used with, or generates direct current. - identifies the negative terminal(s) of device which is used with, or generates direct current.
- No naked flame sources, such as lighted candles, should be placed on the equipment.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc. The openings shall never be blocked by placing the equipment on a bed, sofa, rug or other similar surface.
- Keep product surface clean and dry. Do not operate in humid or explosive environment.
- Avoid contact with exposed circuits. Do not touch exposed contacts or components when powering on the product.
- The USB port of the device is used for connecting to a mouse, a keyboard, or a USB flash drive only.
- Install the device according to the instructions in this manual.
- To prevent injury, this device must be securely attached to the floor/wall in accordance with the installation instructions.
- Do not cause objects to fall on the device or shake the device vigorously, and keep the device away from areas where magnetic field interference exists. Avoid installing the device in a place where the surface vibrates or is vulnerable to shock.
- Do not install the device at high temperatures (above 40 ° C) or low temperatures (below -10 ° C) or high humidity.
- Keep vertical when moving or using the device.
- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

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# Chapter 1 Product Introduction

## 1.1 Overview

LCD monitor adopts Mstar ACE-5 auto-coloring and image-enhancing engine to improve image contrast, detail, edge, etc. It is an ideal choice for financial institution, metro, railway station, airport and exhibition.

## 1.2 Key Features

- Up to 1920 × 1080 resolution.
- Adopts 3D digital comb filter and 3D noise reduction technology.
- Programmable 12-bit RGB gamma correction.
- Complete factory settings.
- Software spread spectrum technology reduces EMI radiation.
- Adopts 2 MACE color correction engines to improve image contrast, detail, edge, etc.
- Provides multiple video and audio input interfaces, including DVI, CVBS, USB, HDMI and VGA.

## 1.3 Panel Buttons

Panel buttons are for illustration only. See details in the following figure and table.



Figure 1-1 Panel Buttons 1



Figure 1-2 Panel Buttons 2

**SOURCE**

**MENU**



**POWER**

Figure 1-3 Panel Buttons 3

Table 1-1 Buttons Description

Button	Description
POWER /	Power on, short press to confirm/turn on, long press to turn off.
MENU /	Enter the Menu page.
SOURCE /	Enter Input Signal Source page.
/  /  /	Move the cursor up/down/left/right

## 1.4 Rear Panel Interface

Please view the corresponding rear panel of your monitor.



Figure 1-4 Rear Panel of Device 1



Figure 1-5 Rear Panel of Device 2



Figure 1-6 Rear Panel of Device 3



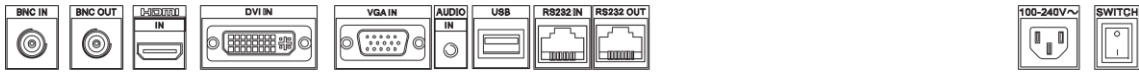


Figure 1-7 Rear Panel of Device 4



Figure 1-8 Rear Panel of Device 5

Table 1-2 Description of Rear Panel

Interface	Description
SWITCH	Power switch
100-240V~	100 to 240 VAC power supply
BNC IN	CVBS/SDI signal input
BNC OUT	CVBS/SDI signal output
HDMI IN	HDMI digital signal input
DVI IN	DVI digital signal input
VGA IN	VGA analog signal input
AUDIO IN	3.5 mm audio input
USB	USB interface
RS232 IN	RS-232 serial port input
RS232 OUT	RS-232 serial port output
POWER	Working status indicator Turns red when the device is standby. Turns green when the device is working.

## 1.5 Power Supply Connections

Insert the 3-pin power plug (100 to 240 VAC) into well-grounded power socket.

### Note

Disconnect the power of the monitor if it will not be used for a long time.

## 1.6 Remote Control

### 1.6.1 Remote Control Panel

Refer to the following table for the remote control panel description.



Figure 1-9 Remote Control

**Note**

Buttons of / / / / / can only be used with USB input signal source.

Table 1-3 Description of Remote Control Buttons

Button	Description
	Power Switch. Turn on/off the device
	Turn off/on the sound
MENU	Enter/Exit main menu
FREEZE	Freeze the image
SOURCE	Enter Input Source page
	Up/down/left/right direction keys, select a submenu or set menu parameters
OK	Confirm
	Play/Pause
	Stop
	Previous/Next
	Replay
	Return

## 1.6.2 Remote Control Operation

If the monitor has an IR receiver at the corner, you shall aim the remote control at the IR receiver. Otherwise, you shall aim the remote control at screen center.

You should operate the remote control within an angle of  $\pm 45^\circ$  when aiming at the IR receiver or screen center. Otherwise, the screen may not respond.

In order to achieve better performance, it is recommend to keep the distance between remote control and monitor within 5 meters.

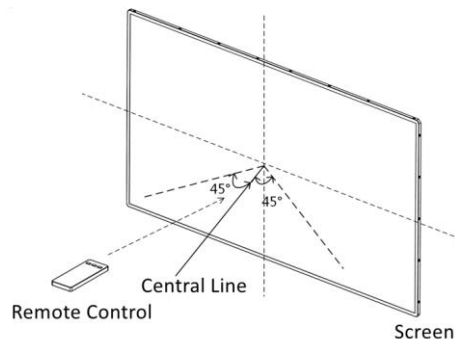


Figure 1-10 Operation of Remote Control

## Chapter 2 Terminal Operations

### 2.1 Switch Signal Source

The monitor can display input signal source including HDMI, DVI, VGA, USB, and CVBS.

#### Steps

1. Press **Source** to enter **Input Source** page.
2. Press **▲** or **▼** to select the input source.
3. Press **OK** to accomplish the input source selection.

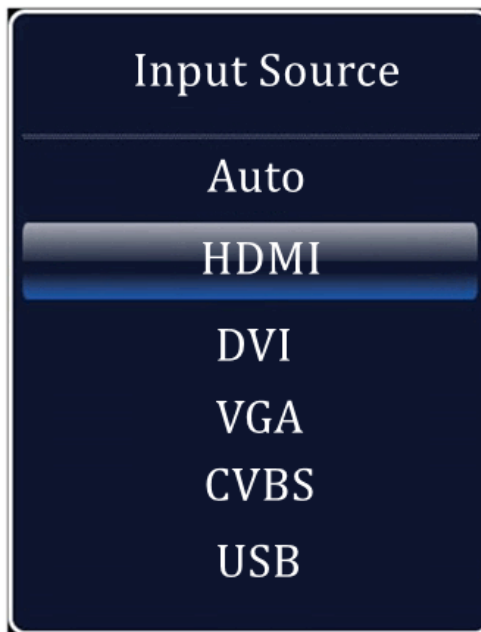


Figure 2-1 Switch Signal Source

### 2.2 Main Menu

#### 2.2.1 OSD Operations



You need to operate the OSD based on the real situation.

Table 2-1 Operation Description

Step	Description
1	Press MENU to show the main menu page, such as Image Settings, Backlight Settings, VGA Settings, OSD Settings, and System Settings
2	Press ▲/▼/◀/▶ to select a sub-menu
3	Press OK to enter the setting page of the sub-menu
4	Press ▲/▼ to select the parameters that are needed to be set
5	Press ▲/▼ to set the value of parameters
7	Press MENU to exit the menu page.

### 2.2.2 OSD Settings

You can set language, OSD duration, and OSD blending.

Enter **MENU**→**OSD Setting**→**OK**.

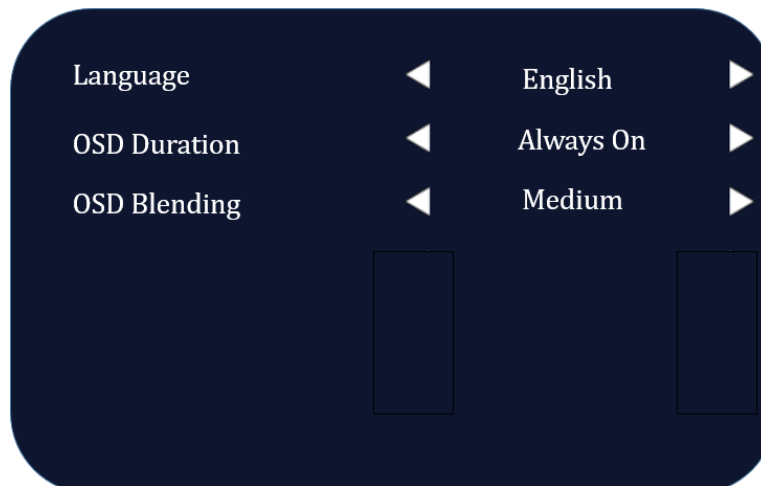


Figure 2-2 OSD Settings

Table 2-2 OSD Parameters

Parameter	Description
Language	Chinese/English
OSD Duration	The OSD display time when you stopping operating the monitor. Always On/5 s/15 s/30 s/1 min
OSD Blending	Off/Low/Medium/High. Adjust the transparency degree of the OSD.

### 2.2.3 Image Settings

You can switch image mode and adjust image parameters including contrast, brightness, color, sharpness, and hue to achieve the best display effect.

Enter **MENU**→**Image Settings**→**OK**, and select the mode as your desire.



Figure 2-3 Image Settings

Table 2-3 Picture Mode Description

Picture Mode	Description
Standard	Suitable for a normal environment.
Gentle	Suitable for a dark room.
Dynamic	Suitable for a bright room.
User	Set the brightness, contrast, color, or sharpness to adjust display effect.

 **Note**

Adjustable parameters vary depending on the input source you choose. If the parameter bar is gray, it indicates that the parameter is not adjustable under the current input source.

### 2.2.4 Backlight Settings

You can set the backlight parameters to adapt different lighting conditions.

**Backlight Settings**

Enter **MENU**→**Backlight Settings**→**OK**. Press ◀ or ▶ to set the backlight parameters from 0 to 100.

### Configure Auto Sleep

When the device does not have signal input in a preset time, it will automatically go to sleep. In the countdown time, if there is no operation, it will automatically enter the auto sleep mode; if you press any key on the remote control, it will exit the countdown menu and restart the timer. After the auto sleep is turned off, the device will not automatically go to sleep.

Enter **MENU**→**Backlight Settings**→**Auto Sleep**.

Press ◀ or ▶ to select Off/1 min/5 min/10 min/1 h to turn off the auto sleep mode or enter the auto sleep mode after the device does not have signal input in a preset time.



Figure 2-4 Backlight Settings

### 2.2.5 VGA Settings

When you select VGA as the input source, you can adjust VGA parameters to make the picture show in the correct position.

Enter **MENU**→**VGA Settings**→**OK** to set the parameters as your desire.

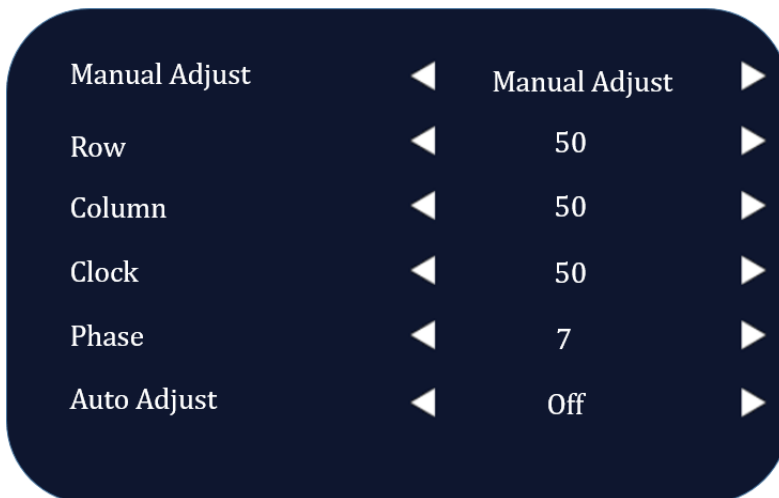


Figure 2-5 VGA Settings

## 2.2.6 Screen ID Settings

ID, the number of rows and columns of a single screen, can be used to determine the location of the screen.

Enter **MENU**→**ID Settings**→**OK**.

Press ◀ or ▶ to select configuration mode and corresponding parameters such as **Row** and **Column**.

### Manually Configure Screen ID

#### Steps

1. Enter **MENU**→**Screen ID**→**OK**.
2. Select **Configuration Mode** as **Manual**.
3. Set **Rows** and **Columns** as you required.
4. Press **OK**.

#### Example

If you set **Rows** as 1, and **Columns** as 2, the screen ID would be 0102.

### Automatically Configure Screen ID

#### Steps

1. Enter **MENU**→**Screen ID**→**OK**.
2. Set **Configuration Mode** as **Auto**.
3. Set **Total Rows** and **Total Columns** to configure display unit.
4. Press **OK**.

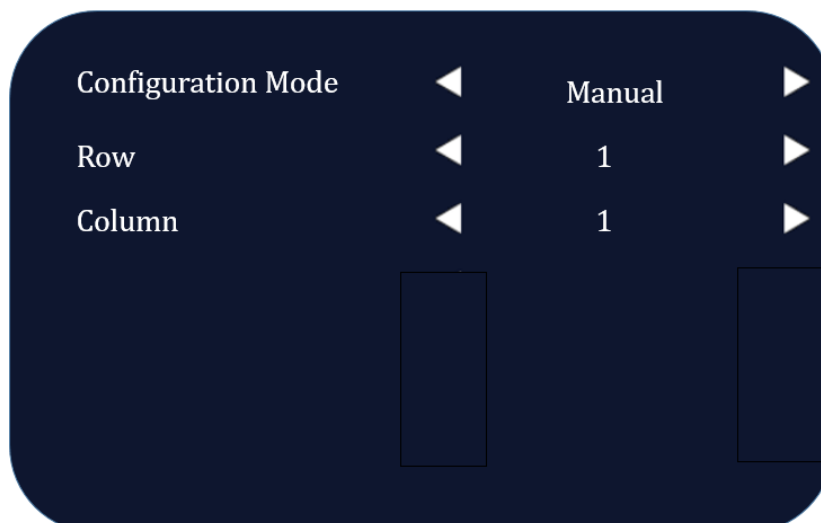


Figure 2-6 Screen ID Settings



## 2.2.7 Overscan Settings

Overscan is the situation in which not all of an image is present on a viewing screen. You can shield the borders for better image quality by adjusting the overscan value of Top/Bottom/Left/Right Edge.

Enter **MENU**→**Overscan Settings**→**OK**. Press ◀ or ▶ on the remote control to enter the page.

Select the Overscan item as **On** and set the value of the Left Edge, Right Edge, Top Edge, and Bottom Edge from 0 to 100 as you required.

### Note

The value of overscan is the pixel value of certain edge.

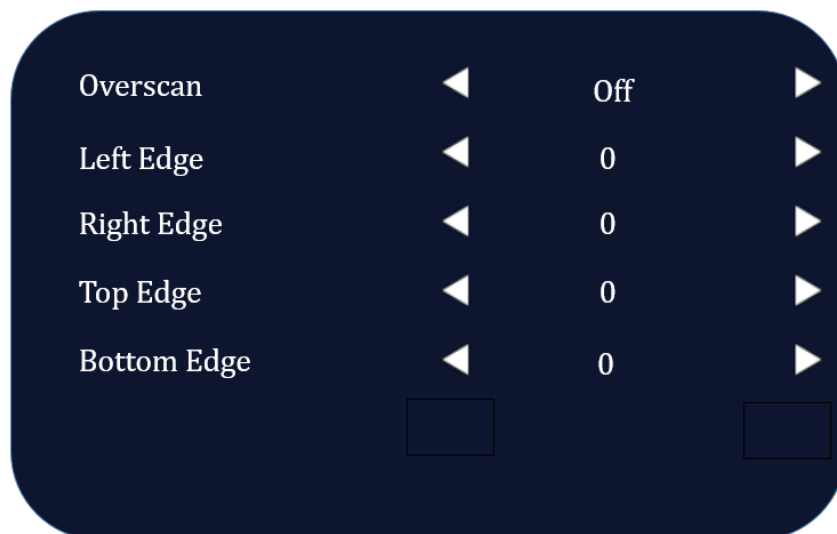


Figure 2-7 Overscan Settings

## 2.2.8 Linked Control Settings

You can link the device with another one by HDMI input signal source after turning on the linked control. For example, use the remote control to set DVD.

Enter **MENU**→**Linked Control**→**OK** and press ◀ or ▶ to enter linked control mode or not.

### Note

Linked Control and ID Identification should be set as **On** to enable linking.



Figure 2-8 Linked Control Settings

## 2.2.9 Configuring Aspect

The aspect refers to the proportions of the height and width of an image. You can set the aspect to 16:9, 4:3, or P to P.

Enter **MENU**→**Aspect**→**OK** to select an aspect as you required.

### Note

You can not change the aspect when the input source is USB.

## 2.2.10 Enable/Disable the Keypad

You can enable or disable the keypad of the device. If there is no need to use the keypad or the keypad is squeezed in the installation environment, you can turn off the keypad to disable the buttons on it.

Enter **MENU**→**Keypad**→**OK**. Press ◀ or ▶ to select the keypad as **On/Off**.

### Note

When the keypad is off, it can also be enabled by pressing the panel buttons. Press any panel button to bring up the unlocking prompt menu, long press **MENU** to unlock. When unlocking is finished, the "Unlock Completed" menu will pop up.

## 2.2.11 Other Settings

### Image Freezing

Image freeze refers to freeze the current image on the screen as you required.

Enter **MENU**→**Other Settings**→**Image Freezing**→**OK**. Press ◀ or ▶ to set **Image Freeze** as **Yes**, and the current image on screen will be frozen.

 **Note**

After switching the input source, the image freeze is automatically disabled by default.

**No Signal Screen Saver**

When the device does not have signal input in a preset time, it will automatically enable screen saver mode.

Enter **MENU**→**Other Settings**→**No Signal**→**OK**. Press ◀ or ▶ to select no signal screen saver as **Logo/Black Screen/Blue Screen**.



Figure 2-9 Other Settings

### 2.2.12 Color Space Settings

Set the color space of the monitor.

Enter **MENU**→**Color Space**→**OK**. Press ◀ or ▶ to select color space as **Auto**, **16-235**, or **0-255**.

### 2.2.13 Eye Protection Mode

Enable the eye protection to reduce blue light radiation.

Enter **MENU**→**Eye Protection**→**OK**. Press ◀ or ▶ to turn on or turn off the eye protection mode.

### 2.2.14 Audio Settings

You can switch the mute on/off, and adjust the volume or balance.

Enter **MENU**→**Audio Setting**→**OK**, and then set audio parameters as you required.

Balance refers to adjust the balance between the left and right speakers.

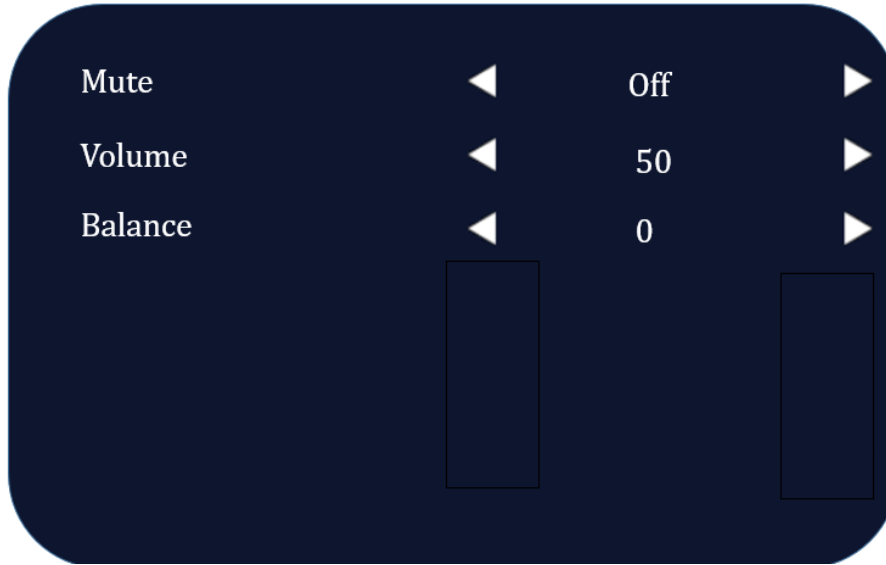


Figure 2-10 Audio Settings

## 2.3 System Settings

You can view system information, upgrade software, configure overheat alarm, restore defaults, etc.

### 2.3.1 Upgrade (USB)

#### ***Before you start***

Insert the USB flash drive with the update file to the device before you upgrade the device.

#### **Steps**

Enter **MENU**→**System Settings**→**OK**→**Upgrade (USB)**.

Press ◀ or ▶ on the remote control to enter the **Other Settings** page.

Press ◀ to select **Yes** to continue the system upgrade.

#### **Note**

Press ▶ to select **No** to cancel the **Upgrade**.

### 2.3.2 Restore Defaults

All parameters of the device can be restored to the user defaults settings.

Enter **MENU**→**System Maintenance**→**OK**→**Restore Defaults**. Press ◀ or ▶ to select **Restore Defaults**.

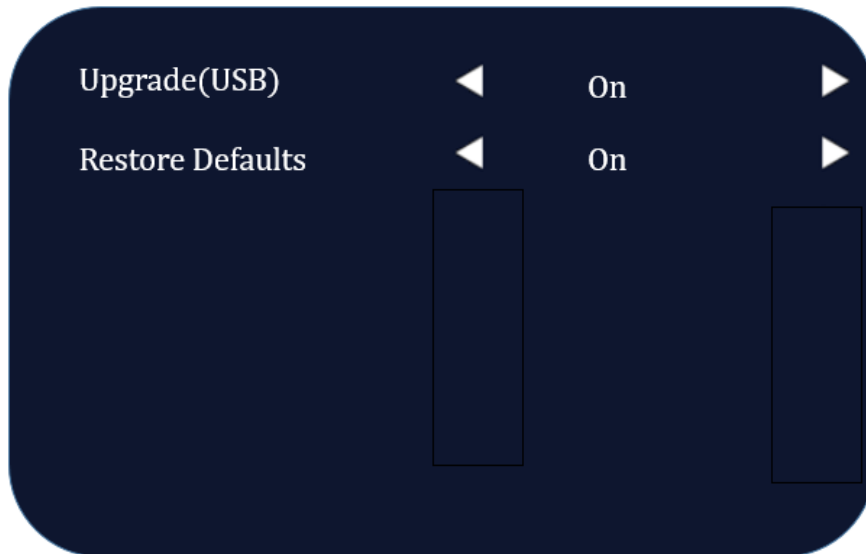


Figure 2-11 System Settings

### 2.3.3 Configure Overheat Alarm

When the board temperature exceeds or equals its set value, it will trigger an overheat alarm.

#### Steps

1. Enter **MENU**→**Alarm Setting**→**OK**.
2. Enable **Overheat Alarm**.
3. Set **Alarm Temp (°C)** as your desire.
4. Press **OK**.

(Optional) Press **MENU** to exit the OSD page.

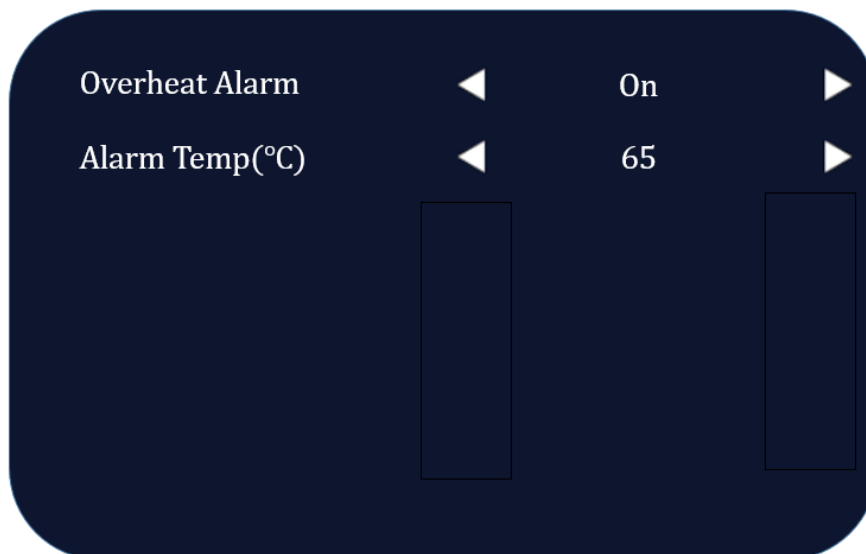


Figure 2-12 Configure Overheat Alarm

### 2.3.4 View System Information

Enter **MENU**→**System Info** to view system information including software version, working hours, device ID, current temperature, and serial number.



**Note**

Please refer to the actual software version.

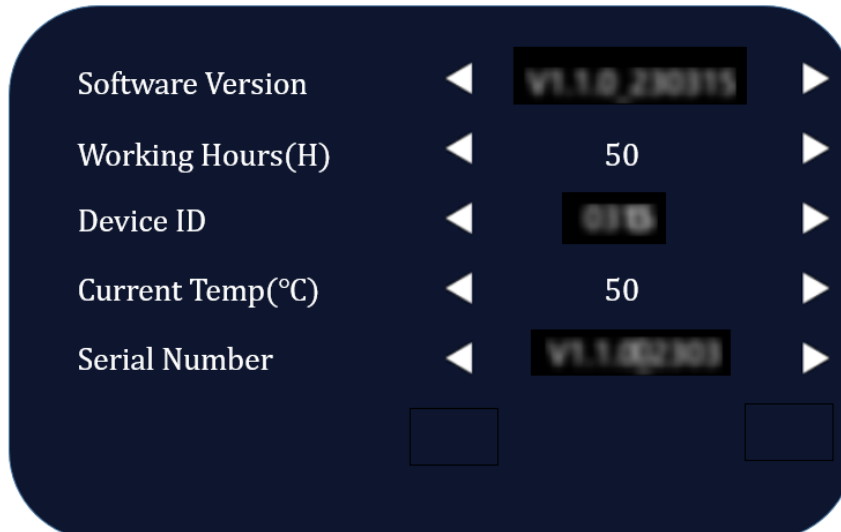


Figure 2-13 View System Information

### 2.3.5 System Time

Enter **MENU**→**System Time**→**OK**. Press ◀ or ▶ to set the value of year, month, day, hour and minute.

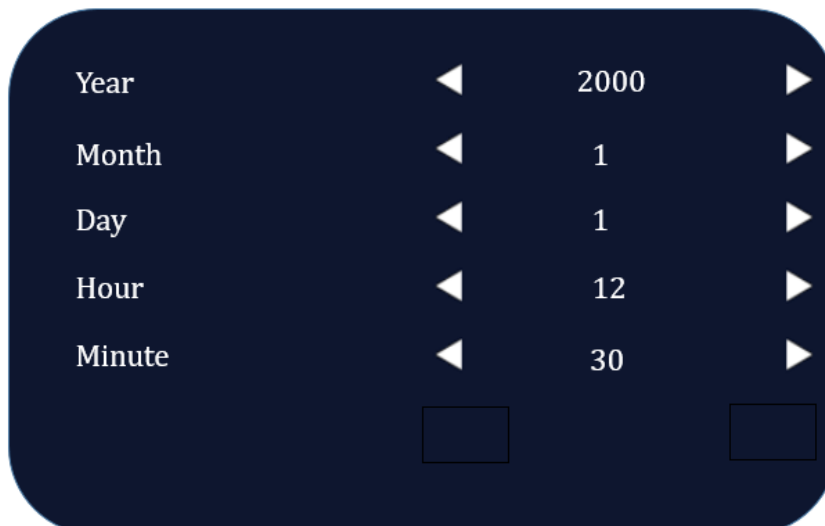


Figure 2-14 System Time Settings

### 2.3.6 Timing Startup/Shutdown

You can control the screen working time by setting its startup time.

 **Note**

The plans of timing startup and shutdown are both set as two.

**Steps**

1. Enter **MENU**→**Timing Startup/Shutdown**→**OK**.
2. Press ◀ or ▶ to select the sequence number of plans.
3. Select the **Switch** as **On**.
4. Turn on/off the **Repeat** week as you required.
  - Turn on the Repeat week: You can select the weeks you want the system to turn on/off automatically, and then the system will automatically turn on/off repeatedly on the set weeks.
  - Turn off the Repeat week: This setting will take effect only once.
5. Set the startup and shutdown time.



Figure 2-15 Time On

## Chapter 3 Client Operation

You can turn on/off the monitor, switch input signal through the ScreenControl client.  
(ScreenControl software and its operation methods can be obtained from the technical support.)





See Far, Go Further