



Monitor
User Manual

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

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Chapter 1 Introduction

1.1 Key Features

- 8-bit/10-bit dual channel LVDS (1920×1080) HD display.
- 3D digital comb filter and 3D noise reduction technology.
- Hi-Fi color OSD and user-friendly menu for operation.
- Mstar ACE-5 auto color and image enhancement engine, improving the image contrast, details, edges, etc.
- Programmable 12-bit RGB gamma correction.
- Complete factory setting mode.
- 1 × HDMI 1.4b input interface, and HDCP 1.4 available.
- Software spread spectrum technology reduces EMI radiation.
- HD JPEG decoding.
- Professional and standard CVBS input interface with one channel input available.
- Multimedia playing of text, image, audio, video, etc.

Note

The specific features may vary with models. Refer to **Rear Panel Interface** for details.

1.2 Packing List

Table 1-1 Packing List

Name	Quantity	Name	Quantity
Monitor	1	Power cable	1
Remote control (Optional)	1	Base set	1
Battery (Optional)	2	User manual	1
HDMI cable (Optional)	1	Quick start guide	1

1.3 Power On

Connect the device to an earthed mains socket-outlet, and press the power button.



Caution

- Power supply: 220 VAC~, 50/60 Hz.
 - Power off the device and disconnect the plug if it is not in use for a long time.
 - The device cannot be connected to DC power supply.
-

Chapter 2 Rear Panel Interface

The panel appearances and interfaces vary with different models. The devices can be classified as follows.

Type A

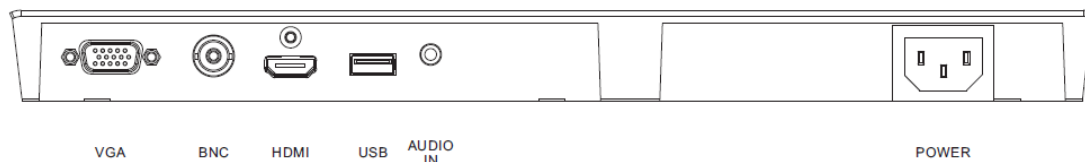


Figure 2-1 Interface of Type A

Type B



Figure 2-2 Interface of Type B

Type C

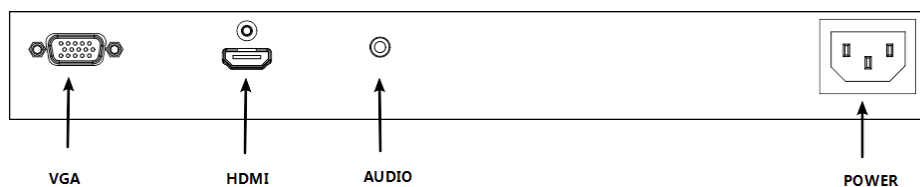


Figure 2-3 Interface of Type C

Type D

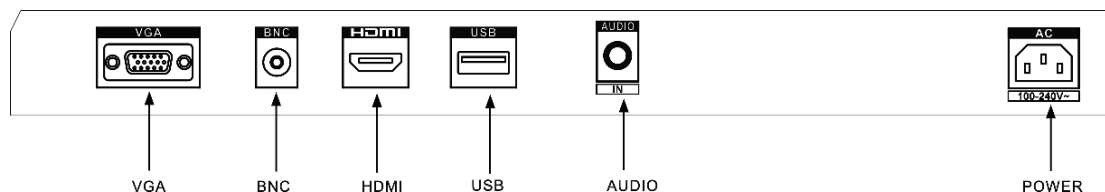


Figure 2-4 Interface of Type D

Table 2-1 Interface Description

Interface	Description	Interface	Description
VGA	VGA analog signal input interface	POWER	Power supply

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Interface	Description	Interface	Description
HDMI	HDMI digital signal input interface	USB	USB 2.0 input interface
AUDIO	Audio input interface	CVBS	CVBS signal input interface

 **Note**

USB and CVBS input interfaces are available to type A and D, and audio input interface to type A, C, and D.






Chapter 3 Panel Buttons

The buttons at the bottom-right corner of the front panel are shown as follows.












Figure 3-1 Panel Buttons

Table 3-1 Button Description

Button	Description
	Power On/Off
	<ul style="list-style-type: none"> ● Second-level menu page: Exit menu. ● File selection for USB playing: play ● Other pages: Display main menu page.
	<ul style="list-style-type: none"> ● Display the current input source. ● All the menu pages: OK
	<ul style="list-style-type: none"> ● First-level page: previous/next ● Second-level page: add/reduce ● USB playing page: volume up/down
	<ul style="list-style-type: none"> ● Display all the input sources. ● All the menu pages: Switch to next one.

Chapter 4 Remote Control

Table 4-1 Remote Control Description

Appearance	Button	Description
		Power on/off
		Mute/Unmute
	【FREEZE】	Freeze the current display.
	【MENU】	Go to menu settings.
	【SOURCE】	Check or select a signal source.
		Up/Down/Left/Right
	【OK】	OK
		Play/Pause
		Stop
		Previous/Next
		Repeat
		Return

Note

The remote control is not available to all kinds of devices. Whether your device is equipped with a remote control depends on the actual situation.

Chapter 5 Basic Operation

The interfaces vary with different models. The figures followed are for illustration purpose only.

5.1 Switch the Signal Source

Connect the device to power source and signal source, and power the device on.

Step 1 Press  to enter the signal source page.

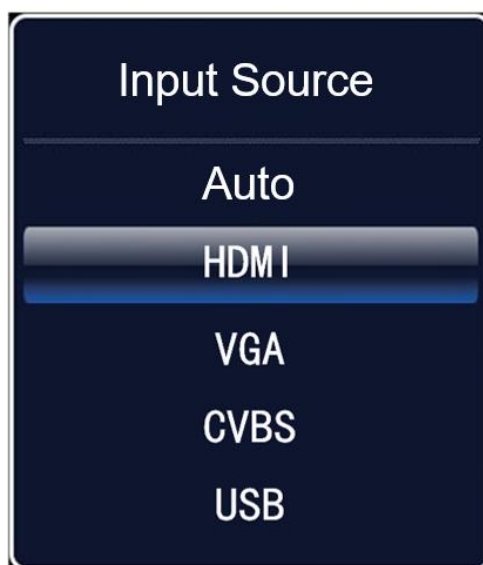










Figure 5-1 Signal Source

Step 2 Press  to switch input sources, and press  to confirm.

5.2 Menu Operation

Table 5-1 Basic Operation

Operation	Description
Enter main menu page	Press  .
Check first-level menu	On the main menu page, press  to switch.
Check parameters	On the first-level menu page, press  to enter and check different parameters.
Configure parameters	<ul style="list-style-type: none"> ● Press < or > to adjust the value of the selected parameter, and press  to confirm. ● Press  to switch to other parameters.
Return to the upper menu	Press  on any pages.

5.3 Image Settings

5.3.1 Image Mode

You can switch image modes and adjust image parameters including contrast, brightness, color, sharpness, and hue. The adjustable parameters will change when you switch from one image mode to another.



Figure 5-2 Image Mode

Table 5-2 Image Parameters

Parameter	Description
Image Mode	<ul style="list-style-type: none"> ● Standard: Suitable for a normal environment. It is set as the default picture mode. ● Gentle: Suitable for a dark room. ● Dynamic: Suitable for a bright room. ● User: Set the brightness, contrast, color, sharpness or hue to adjust display effect.
Brightness	Ranges from 0 to 100. The higher the value is, the brighter the display will be.
Contrast	Ranges from 0 to 100. The higher the value is, the clearer the image will be
Color	Ranges from 0 to 100. The higher the value is, the more colorful the image will be.
Sharpness	Ranges from 0 to 100. Rise the value up to make the image more vivid.
Hue	Ranges from 0 to 100. It determines the contrast degree between the bright and dark.

 **Note**

- If the user mode selected, the adjustable parameters are determined by the input signal.
 - For VGA input, brightness and contrast are adjustable.
 - For HDMI input, brightness, contrast, color, and sharpness are adjustable.
 - For CVBS input, brightness, contrast, color, sharpness, and hue are adjustable.
 - For USB (not supported by Type B and C), brightness, contrast, color, and sharpness are adjustable.
- Parameters in white bar are adjustable. If the parameter bar is gray, it indicates that the parameter is not adjustable under the current mode or input source.

5.3.2 Backlight

The backlight value ranges from 0 to 100.



Figure 5-3 Audio Mode

5.3.3 VGA Parameter

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

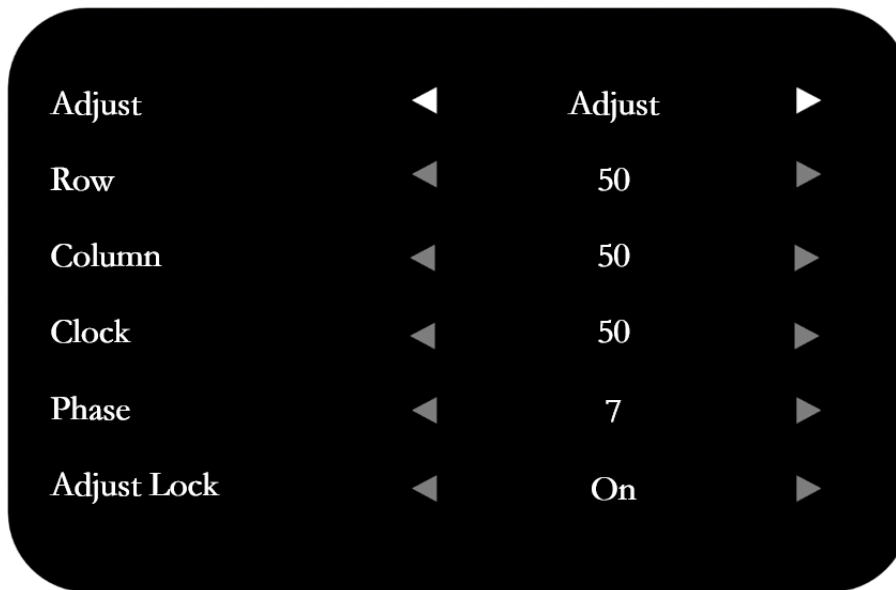



Figure 5-4 VGA Settings

Table 5-3 VGA Parameters

Parameter	Description
Adjust	Adjust. Press < or  to enable or disable.
Row	Ranges from 0 to 100.
Column	Ranges from 0 to 100.
Clock	Ranges from 0 to 100.
Phase	Ranges from 0 to 100.
Auto Lock	Off/On

 **Note**

- Adjusting the value of **H-Position** and **V-Position** will change the image position in a large extent, while **Phase** and **Clock** in a slight extent.
- Change the value of **Clock** will stretch or narrow the image.
- If **Auto Lock** is enabled, the related parameters will self-adjust under the following 3 circumstances: The device is restarted, a VGA input source is accessed, and the input source is switched to VGA.
- VGA parameters cannot be changed when **Auto Lock** is disabled.

5.4 Display Settings

5.4.1 Overscan

If **Overscan** is enabled, you can set the value of the top/bottom/left/right edge. The value indicates the covered units of different directions.



Figure 5-5 Overscan

Table 5-4 Overscan Parameters

Parameter	Description
Overscan	Off/On
Left Edge	Ranges from 0 to 100.
Right Edge	Ranges from 0 to 100.
Top Edge	Ranges from 0 to 100.
Bottom Edge	Ranges from 0 to 100.

5.4.2 Aspect

Scale up/down the image. Three kinds of aspects are available: 16:9, 4:3, and point to point.



Note

Point to Point mode is only available when a VGA or HDMI signal is accessed.

5.4.3 Keypad

When no need to use keypad or the installation environment may extrude the keypad, you can set the **Keypad** as **Off** to lock it.

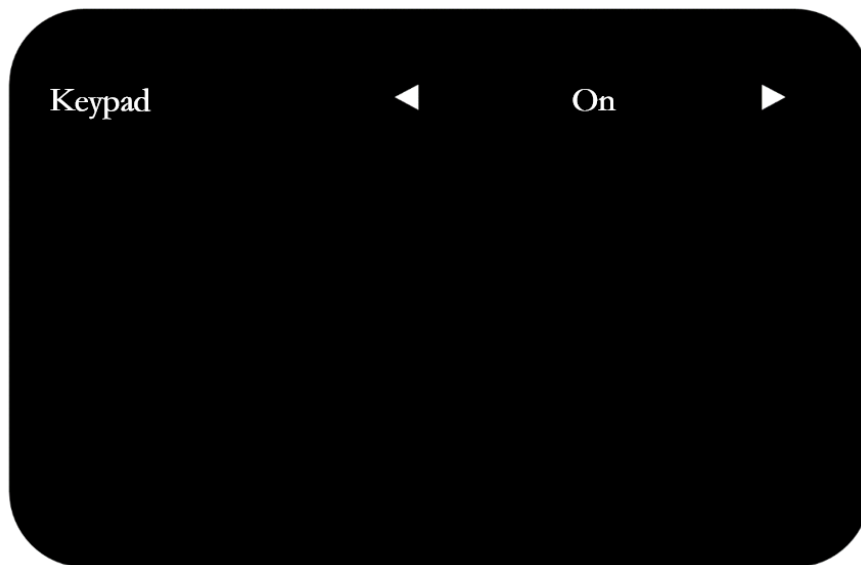


Figure 5-6 Keypad

5.4.4 Eye Protection

Disabled by default. If enabled, the screen switches to eye protection mode.



Note

Eye Protection is only available to type D.

5.5 System Maintenance and Info

5.5.1 Maintenance

Contact our technical support personnel for upgrade program and USB driver.

- **Upgrade:** Insert the USB driver to the USB interface, and set **Upgrade (USB)** as **On**. Follow the instructions on the screen to upgrade.
- **Restore Defaults:** Restore all the settings to the default value.



Figure 5-7 System Maintenance

5.5.2 System Info

Check the version, working time, ID, and serial number of the device.



Figure 5-8 System Information

5.6 System Settings

5.6.1 OSD Settings

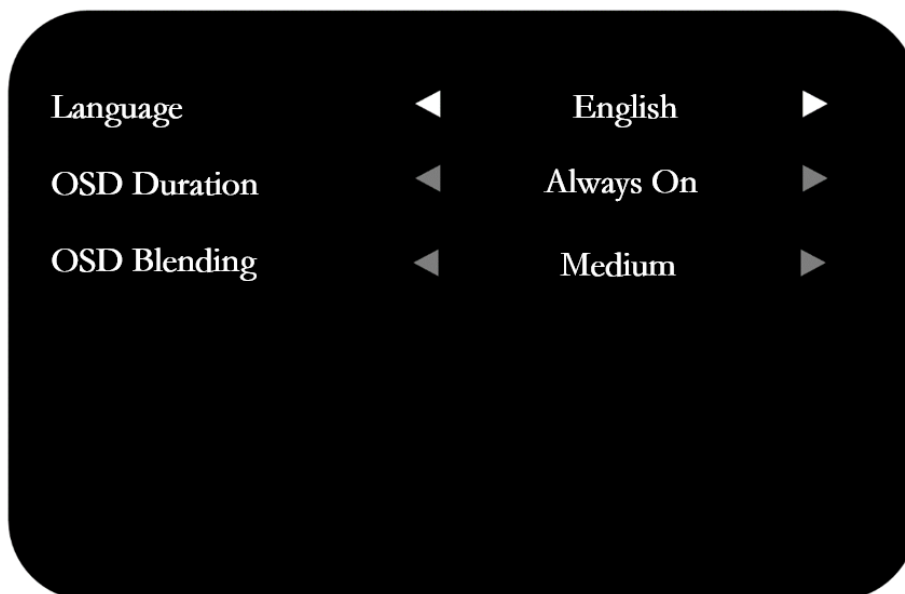


Figure 5-9 OSD Settings

Table 5-5 OSD Parameters

Parameter	Description
Language	English/中文
OSD Duration	Always On/5 s/15 s/30 s. The displaying time for OSD menu when no operation is done.
OSD Blending	Low/Medium/High/Off

5.6.2 Audio Mode

You can set the volume as desired or mute/unmute the playing.

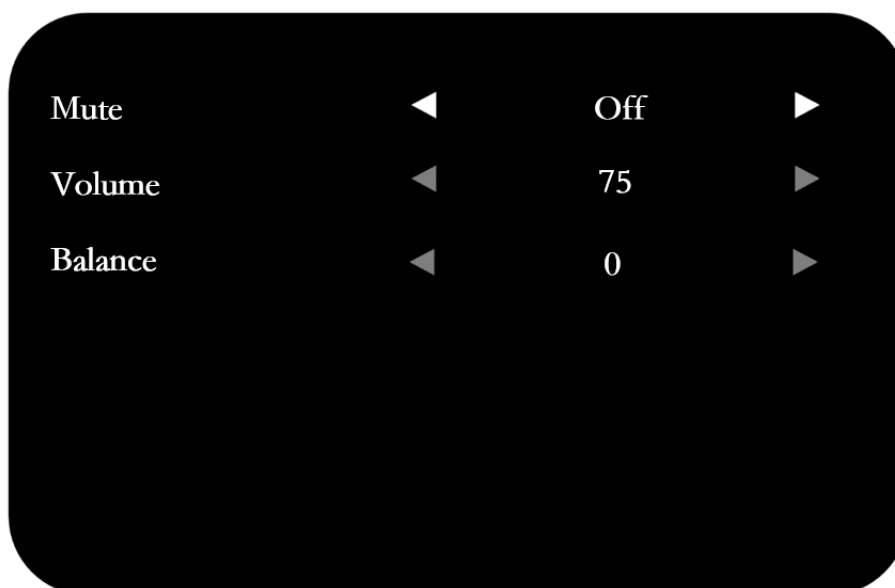


Figure 5-10 Audio Mode

Table 5-6 Audio Mode Parameters

Parameter	Description
Mute	Off/On. Off by default.
Volume	Ranges from 0 to 100.
Balance	Ranges from 0 to 100.

 **Note**

Audio mode is only available to type A and D.

5.6.3 Other Settings

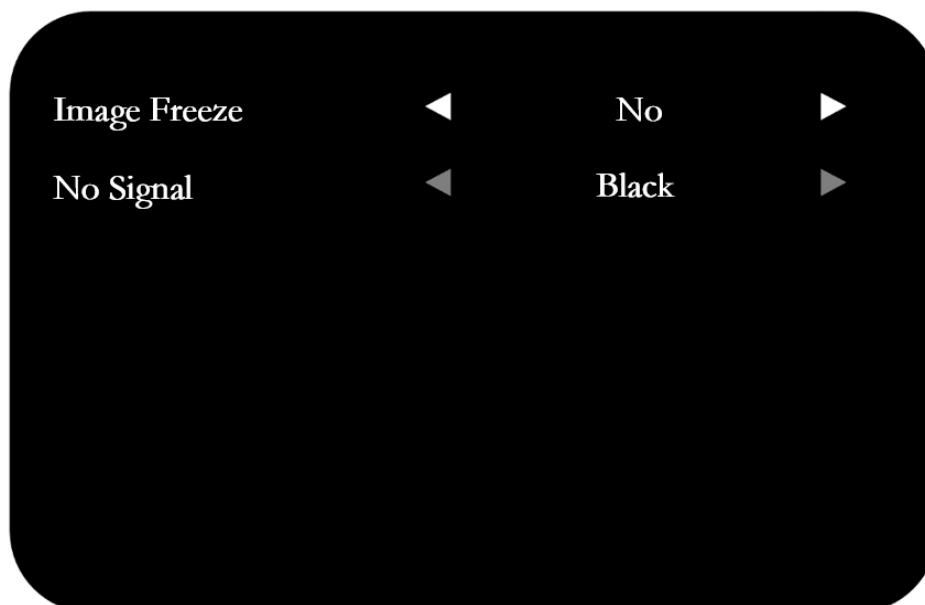


Figure 5-11 Screen Saver

Table 5-7 Screen Saver Parameters

Parameter	Description
No Signal	Black/Blue. The screen color to be displayed when no signal is detected.
Image Freeze	Yes/No.

5.6.4 Color Settings



Figure 5-12 Image Freeze

Table 5-8 Image Freeze Parameters

Parameter	Description
Color Space	0-255/16-235

 **Note**

Image Freeze changes to **No** when you switch the signal source or restart the device.



5.7 USB Menu


 **Note**

USB menu is only available to type A and D.

Step 1 Press , and insert your removable storage device into the USB interface of the device.

Step 2 Select USB as the input signal source, and then the USB menu displays.

Step 3 Press  or  to select your desired file type for playing.

Step 4 Press  to confirm.



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