

On-Lap M505E

User Manual



How-to's

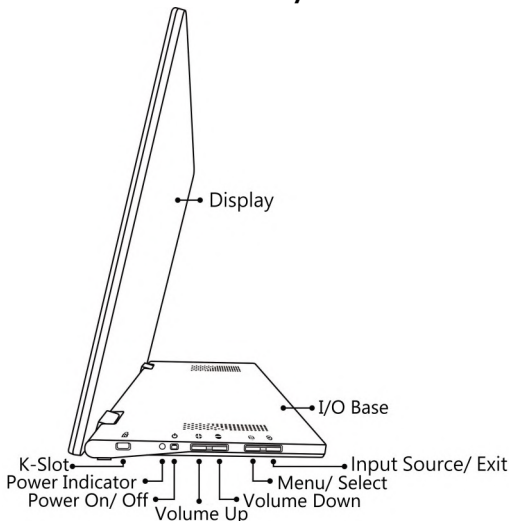
v. 2024/02/16








Notices, Cautions & Warranty Exclusions

- Warning!** The sign alerts you to potential hazards that can hurt you or damage the product.
- 1. When carrying On-Lap Monitor, please put it into the protective sleeve. Avoid hitting the monitor violently and putting heavy objects on the sleeve bag, these may cause the panel cracked.**
 - 2. When plugging in/out the cables, do make sure the force exerts in horizontal direction- do not shake the port or plug it in vertical direction. Any damage caused by wrong plugging is excluded from the warranty coverage.**
 - It is recommended to use the monitor in a well-ventilated environment at room temperature around 5°C to 35°C and humidity around 45% to 85%. The monitor should display continuously changing images rather than displaying the same and a still image for a long time. If you need to use this monitor in an abnormal environment such as high temperature, high humidity, confined space, low atmospheric pressure, etc., please contact GeChic customer service center for further advice on usage environment.
 - Cleaning On-Lap Monitor : Unplug the power input before cleaning. Please use soft cloth to clean touch screen. For stubborn stains, please use lightly-dampened cloth to wipe again. **Do not use benzene, alcohol, thinner, ammonia, abrasive cleaners, compressed air or other corrosive solvents. These solvents may cause permanent damage on the screen or leave non-removable stain.****
 - Do not expose the LCD panel to sunlight.
 - Please do not use the monitor on a lasting shaky or unstable surface. Do not use this monitor on a moving vehicle.
 - The product is not waterproof. Do not use this product in or near water.
 - High Volume Warning: High volume can lead to lasting damage to your hearing. Please check the volume settings before reproducing any sound.**
 - Overuse of the monitor may result in vision damage. For every 30 minutes with the monitor, give your eyes 10 minutes break. Avoid children under age 2 to watch with the monitor; prevent children over age 2 from watching with the monitor over 1 hour per day.
- 10.Exclusions from Warranty Service :** please read the warranty terms below carefully, and follow the usage guide and precautionary notes. Please keep this manual for future reference. GeChic does not warrant uninterrupted or error-free operation of this Product. The warranty only covers failure / malfunction under normal use conditions during warranty period. The warranty does not apply to the following conditions:
- (1)The bar code has been removed or worn down, and cannot be identified.
 - (2)This product has been modified, disassembled, or refitted.
 - (3)Display and touch function working normally; only variation in appearance (e.g., ageing, attrition, scratch, color changing and etc.).
 - (4)Any breakdown caused by power supply. (e.g., inputting power over 5V or unsteady current)
 - (5)Any damage caused by disoperation or failure to follow this manual. (e.g., Plug or unplug the cable in wrong direction and causing damage on cable or monitor.)
 - (6)Any damage caused by hitting or cracking monitor accidentally or purposely, or collapsing or overturning monitor.

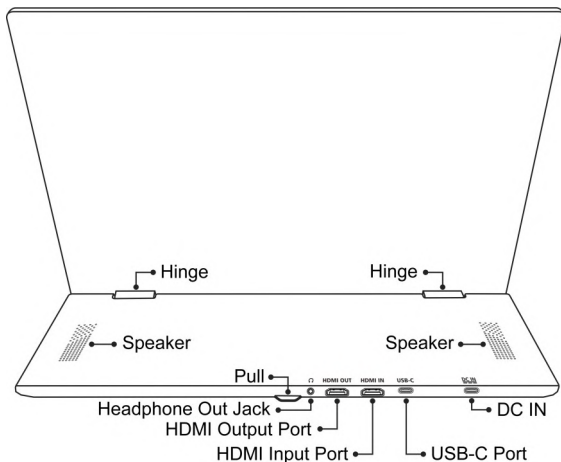
Parts Description

◆ M505E Monitor Side & OSD Hotkeys

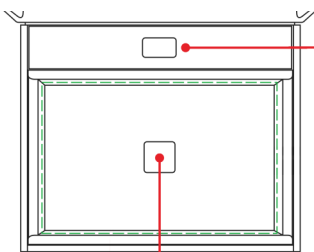


LED Light Instruction		It shows green light when On-Lap Monitor turns on and shows red light when it stands by. There is no light when the monitor is off.
	Power	Press Power Button to power on/off the Monitor. Reset: Press and hold for 5 seconds to reset the OSD settings to default.
	Increase Volume/Down or Right	Press this button to show volume bar. Press and hold this button to increase the volume continuously. In the OSD menu, press this button to move down or to the right.
	Decrease Volume/ Up or Left	Press this button to show volume bar. Press and hold this button to decrease the volume continuously. In the OSD menu, press this button to move up or to the left.
	Menu/ Select	Press this button to launch OSD panel. When using OSD menu, press this button to select and enter the next page.
	Input Source/ Exit	Press this button to show <Input Source> and then press  to switch the input sources. When using the OSD menu, press this button to return to previous page.
	OSD Menu Unlock	Press these two buttons at the same time to release "OSD Menu Lock" and enable the functions of OSD buttons.

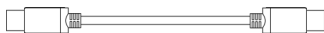
◆ M505E Monitor Back



Accessories Description



Sleeve (15A5)



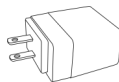
HDMI-A Video Cable



USB-A to USB-C Power Cable



USB Type-C Video Cable



5V 2A Power Adapter

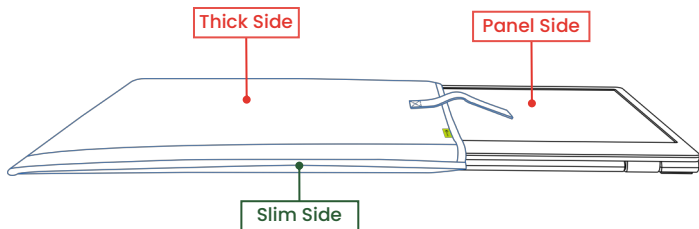
Optional Accessories

Optional Accessories	Description
M505 VESA 100 Aluminum Alloy Bracket	With 4 VESA 100 screw holes allowing M505 monitor to be secure on the VESA arm, VESA bracket, or TIS2 Stand. Refer to <VESA 100 Aluminum Alloy Bracket Installation Instructions> on the back page.
TIS2 Stand	Supports horizontal and vertical display, allowing the monitor to rotate 360 degrees. Refer to <VESA 100 Aluminum Alloy Bracket Installation Instructions> on the back page.
USB Type-C Video Cable(2m)	One plug is for USB-C (DP Alt) port of PC, the other plug is for M505 to transmit power and video signals.
mini-HDMI to HDMI-A Video Cable(2.1 m)	One plug is a mini-HDMI(male) for connecting to the camera, while the other plug is HDMI-A(male) for connecting to the On-Lap M505 monitor.
HDMI-A Video Cable(2.5 m)	Connect to the HDMI-A ports on the PC and M505 monitor.

Use Monitor Sleeve(15A5)

The Gechic label is on the FRONT of the sleeve, which is the thick side to protect the screen panel.

Please **put the thick side of the sleeve up**, put the monitor into the sleeve with the panel upward, and then stick the hook and loop tape.



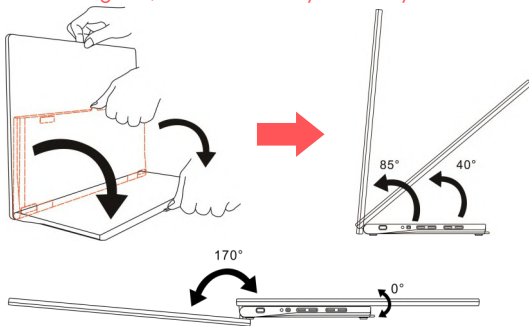
⚠ Caution! DO NOT put the monitor into the sleeve with its panel side toward the back of sleeve. The panel side must face the thick side of the sleeve to protect the panel from being broken.

⚠ Caution! Do not put items on the sleeve or hit the sleeve vigorously, otherwise the screen panel will be broken.

Monitor Setup & Display Angle Adjustment

In the Fig. shown, erect the monitor on the desk. Hold the display by one hand and hold the pull of the I/O base to pull down the I/O base by the other hand. When the base is placed on the desk flat, adjust the screen angle between 40° and 85° .

Do not setup the monitor more than 90° . When angle is more than 90° , the monitor will overturn forward, causing the panel crack. When the display angle is less than 40° degrees, the monitor may fall slowly to 0° .



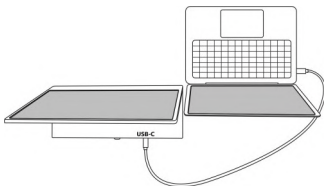
Warning: The rotation range of the hinge is between 0° to 170° . Please do not rotate it more than 170° , otherwise the monitor may be damaged or cracked.

Installation and Connection Instructions

◆ Connect to MacBook Pro/Air®, Laptop or Smartphone by USB Type-C Port

The computer, smartphone, etc. for USB Type-C connection must meet the following conditions:

- (1) Supports DisplayPort Alternate Mode (USB Type-C (DP Alt Mode))
- (2) Supplies at least 5V 2A power current. If Smartphone or the devices can't supply 5V 2A current to the monitor, please power the monitor by the adapter.



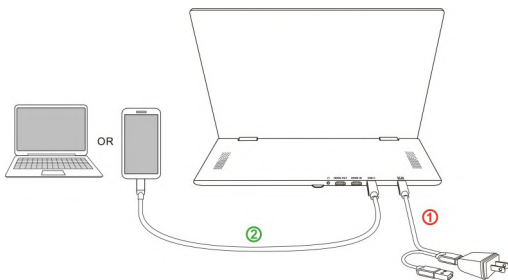
Caution: Do NOT connect to DC IN port.

1. Power the Monitor by a Computer

In the Fig. shown, insert [USB Type C Video Cable](#) into the USB Type-C ports on M505E and the computer. The computer will output current and video signals via its USB Type-C port, therefore, there is no more adapter or HDMI cable required.

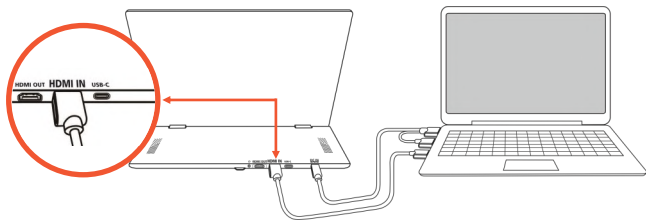
2. Power the Monitor by the 5V 2A Adapter (Apply to Smartphone)

- ① Use the [5V 2A Power Adapter](#) and [USB-A to USB-C Power Cable](#) to connect to the DC IN port on the monitor.
- ② After turning on the smartphone/ computer, connect M505E to computer/ smartphone by [USB Type-C Video Cable](#).



◆ Connect to the Computer by HDMI IN Port

- ① Use [USB-A to USB-C Power Cable](#) to connect two USB-A ports on the computer and the DC IN port of the monitor.
- ② Use [HDMI-A Video Cable](#) to connect the computer and the HDMI IN port on M505 monitor.
- ③ If the USB port of the computer cannot output sufficient power, please connect the [USB-A to USB-C Power Cable](#) to [5V 2A Power Adapter](#) and the DC IN port of the monitor.



⚠ Caution! Please DO NOT connect to the HDMI OUT port.

◆ Use the HDMI OUT Port

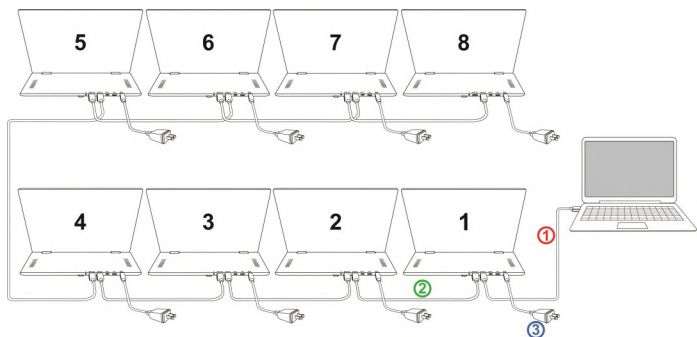
⚠ Notice ! As the image is input by HDMI IN port, the HDMI OUT port outputs the same image. The HDMI OUT port can't output the image from USB Type-C port.

i While using HDMI OUT ports to connect multiple monitors, all the monitors are able to display the same image only, not different images.

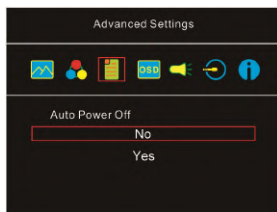
① Use [HDMI-A Video Cable](#) to connect computer to the HDMI IN port on **Monitor 1**.

② Connect a [HDMI-A Video Cable](#) to the HDMI OUT port on **Monitor 1** and HDMI IN port on **Monitor 2**. By analogy, up to 14 monitors can be daisy-chained.

③ Connect USB Power Cables to power adapters and plug the adapter into the power extension socket. As soon as power is on, the monitors turn on automatically.



Press OSD buttons to enter **Advanced Settings** and select "No" for "**Auto Power Off**". Hereby, the monitor won't turn off automatically when no video signal input.

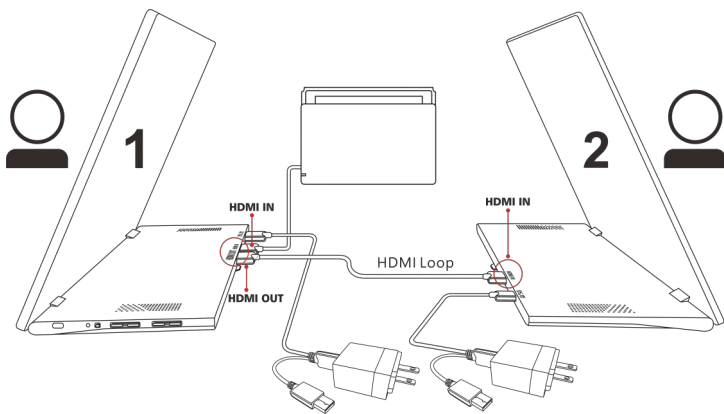


◆ Connect to Game Console & Set Up for 2-Player Games by HDMI IN Port

The HDMI OUT port of M505E allows you to display the same image on two monitors. Two players can sit on both sides and watch their own monitors to enjoy an exclusive gaming experience.

In the Fig. shown, use [USB-A to USB-C Power Cable](#) to connect to [5V 2A Power Adapter](#) and the DC IN port of the M505E monitor.

Use one [HDMI-A Video Cable](#) to connect the game console and the HDMI IN port on Monitor ①. Next, use the other [HDMI-A Video Cable](#) to connect the HDMI OUT port on Monitor ① and HDMI IN port on Monitor ②.



Notice: It is unable to extend the screens or split the gaming image in two monitors, each displaying half. The two monitors can only display the same image.

VESA 100 Aluminum Alloy Bracket Installation Instructions

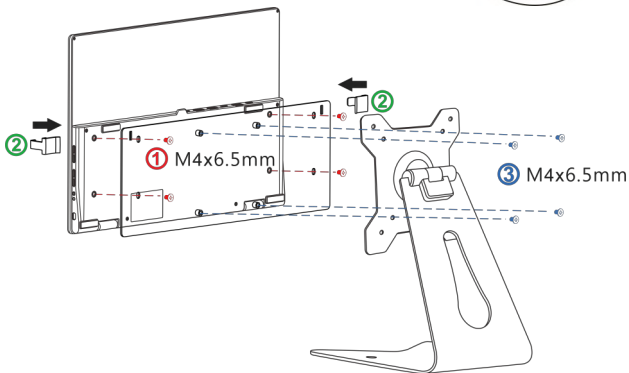
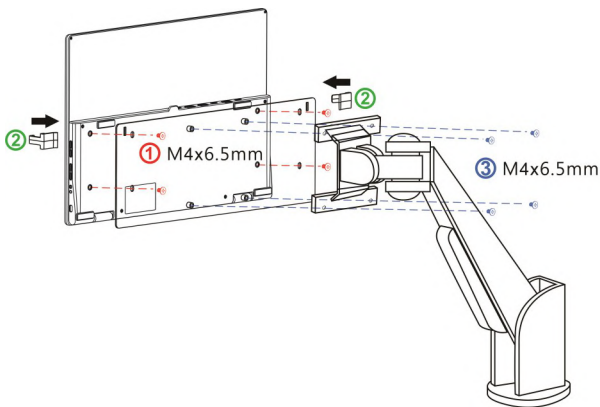
◆ Installation of VESA 100 Arm or Wall Mount

Please follow the steps below for setup.

① Screw the [M505 VESA 100 Aluminum Alloy Bracket \(Optional\)](#) to the I/O base of the monitor by 4 M4 screws.

② Clip the monitor screen and VESA 100 aluminum alloy bracket together by the two clips to prevent the screen from falling down.

③ Screw M505 VESA 100 Aluminum Alloy Bracket onto TIS2 stand, monitor arm or wall mount bracket by 4 M4 screws.



OSD Menu Instructions

◆ Display Settings

As shown in the Fig., enter "Display Settings" to adjust "Brightness", "Contrast", "Sharpness", etc.

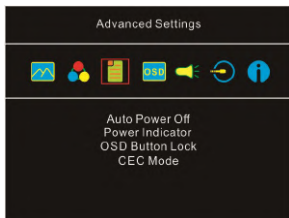
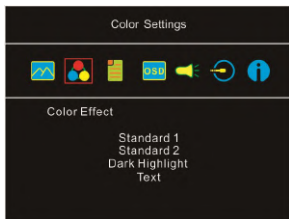
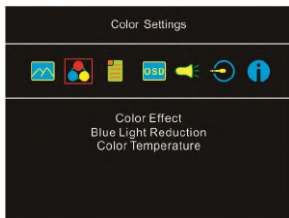
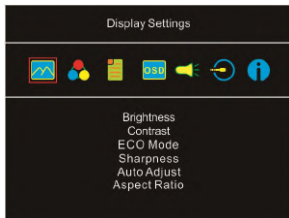
1. ECO Mode: The maximum brightness is at 50 in ECO Mode.
2. Auto Adjust: Launch "Auto Contrast Adjust" and "Auto Brightness Adjust" to adjust brightness and contrast automatically to ensure the highest quality when displaying moving images.
3. Aspect Ratio: When "Full Screen(16:9)" is selected, the monitor displays a 16:9 image in full screen. When "4:3" is selected, the monitor displays a 4:3 image with left-right side black borders to fill the 16:9 screen. When "Original" is selected, the monitor displays the image in its original size.


◆ Color Settings

1. Color Effect: If the output format of computer image is RGB Limited, it is recommended to select "Standard1"; if it is RGB Full format, it is recommended to select "Standard2". Select "Dark Highlight" mode to brighten up dark areas; select "Text" mode to make HTML text clearer.
2. Blue Light Reduction: Select "On" to reduce the screen's blue light automatically.
3. Color Temperature: Select "Cool" to increase the blue color of the image; Select "Warm" to increase the red color of the image. Select "User" to adjust the RGB color settings manually.

◆ Advanced Settings

1. Auto Power Off: Select "Yes" to activate this function. When there is no image input, the monitor will enter Standby mode, and power off itself after 270 seconds. The power button shall be pressed to turn on the monitor again. Select "No" to disable this function. The monitor will remain in standby mode and will not switch off the power.
2. Power Indicator : Select "No" to turn off the power on/off indicator.



3. OSD Button Lock : If "On" is selected, the four OSD buttons are disabled. Press and hold the power button for 5 seconds, the monitor will restore factory settings and enable the four OSD buttons again. (Hot-Key: Pressing  two buttons at the same time will release OSD Button Lock and enable the OSD buttons)

4. CEC Mode: When "On" is selected and connect to a computer with HDMI CEC function, user may switch the monitor and computer synchronously. When switching the computer off, the monitor will be turned off at the same time. However, when switching the computer on, the monitor can't be turned on automatically. Please turn on the monitor by pressing power button.

◆ OSD Menu

1. Language Select: Change to the other language.
2. H. Position: Move the OSD menu left/right.
3. V. Position: Move the OSD menu up/down.
4. Orientation: Change the orientation of OSD menu, e.g., when "90°" is selected, the OSD menu can be rotated 90° counterclockwise.
5. Timer(sec): Adjust the idle time(sec.) before the OSD menu disappears.
6. Transparency: Make the OSD menu transparent to show the background.

◆ Audio

1. Adjust the audio volume or turn on the mute mode. When "On" is selected for "Mute", the monitor stop playing audio and can't release the mute mode by pressing volume buttons. After setting " Mute" mode as "Off", the audio can be played.

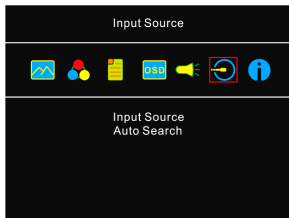
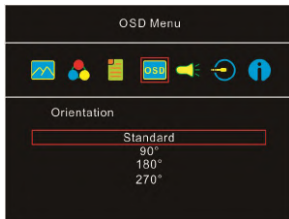
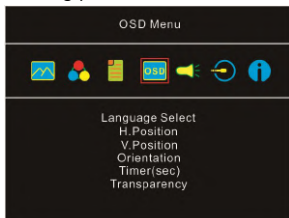
◆ Input Source

1. Input Source: Select **HDMI** (video input via HDMI port) or **USB Type-C** (video input via USB Type-C port).
2. Auto Search: When "On" is selected, the monitor will detect two video input sources in sequence, and the monitor will show the first video input read. When "Off" is selected, only the video source selected in Input Source will be displayed. If there is no such selected video input, the monitor will show "No signal" warning message, and won't detect other video sources.








◆ Information

Show Frequency of the input image, monitor model name, firmware version, etc.

1. Reset: Select "Yes" to restore factory settings.



General Specification

Panel	Wide Screen 15.6 inch (16:9)
True Resolution	1920x1080
Color Depth	16.2M Colors
Brightness	250 (cd/m ²) (Typ.)
Contrast Ratio	700:1 (Typ.)
Viewing Angle	170°(H)/170°(V)(CR>10)
Response Time	15ms (Typ.)
Video Input	HDMI-A x1 USB Type-C (DP 1.2) x1
Video Output	HDMI-A x1 (HDMI Loop: up to 14 M505E monitors)
Earphone Out Jack	3.5mm mini jack (support analog 3.5mm AUX)
Speakers	1.5W(Max.) x2
HDCP Support	Yes
HDMI CEC Support	Yes (DDC/CI is not supported)
Power Consumption	≤10W
Power Consumption Standby Mode	<0.5W
Power Consumption Off Mode	<0.2W
Rated Voltage	5V  2.0A
Environment Conditions	Operation: 0~50°C ; Storage: -20~60°C
Dimensions(W×H×D) (mm)	Display Top Cover: 364mm* 250mm* 6.9mm I/O Base: 364mm* 135mm *10.7mm
Weight (typical)	1168g
Certification	      R53848 RoHS

Supported Display Modes

Resolution	Refresh Rate	Horizontal Frequency(kHz)	Vertical Frequency(kHz)
1024x768	60Hz	48.363	60.004
1152x864	60Hz	53.783	59.959
1280x600	60Hz	37.377	59.900
1280x720	50Hz	37.500	50.000
1280x720	60Hz	45.000	60.000
	60Hz	44.772	59.855
1280x768	60Hz	47.776	59.870
1280x800	60Hz	49.702	59.810
1280x960	60Hz	60.000	60.000
1280x1024	60Hz	63.981	60.020
1360x768	60Hz	47.712	60.015
1366x768	60Hz	47.712	59.790
1360x1024	60Hz	63.606	59.836
1400x1050	60Hz	65.317	59.978
1440x900	60Hz	55.935	59.887
1600x900	60Hz	55.990	59.946
1600x1024	60Hz	63.675	59.901
1680x1050	60Hz	65.290	59.954
1920x1080	50Hz	56.250	50.000
1920x1080	60Hz	67.500	60.000
	60Hz	66.587	59.934

Notice: Resolution [640x480](#) and [800x600](#) are not supported.



Scan the QR Code to Find FAQs and Solutions.

LCD Pixel Statement

There is slightly uneven brightness on the screen when displaying different screen pattern. The LCD screen has 99.99% or more effective pixels. 0.01% of pixels or less may not light or may light incorrectly. The monitor uses a high quality LCD panel. Nevertheless, pixels on the LCD screen may not light or appear as red or black dots. All the above are normal with the LCD monitor and will not affect the normal usage of the product. Avoid placing the monitor against sun-light, or it may damage the monitor.

WEEE Symbol Information

This product needs to be recycled at an appropriate recycling point. Do not mix it with household waste.

This symbol on the product, accessories or literature indicates that this product and its electronic accessories (e.g., adapter, cables) must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of these items by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



For Disposal in Countries Outside of the European Union

If you wish to discard this product and its accessories in other area and countries, please contact your local government for applicable laws and regulations governing the disposal of this product.

FCC Compliance Statement

Notice: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15B of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential 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.

Caution:

1. Changes or modifications not expressly approved by GeChic Corp. could void the user's authority to operate the equipment.
2. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.



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