

Modern Series

LCD Monitor

Modern MD272UPSW (3PB1)

User Guide

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Getting Started

This chapter provides you with the information on hardware setup procedures. While connecting devices, be careful in holding the devices and use a grounded wrist strap to avoid static electricity.

Package Contents

Monitor	Modern MD272UPSW
Documentation	Quick Start Guide
	Stand
	Stand Base with Screw(s)
Accessories	Screw(s) for Wall Mount Bracket(s)
	Power Cord
	Remote Control
	Battery
Cables	HDMI™ Cable (Optional)
Cables	USB Type-C Cable (Optional)

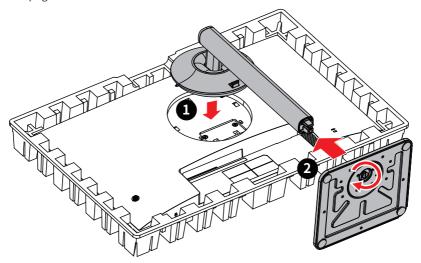


Important

- Contact your place of purchase or local distributor if any of the items is damaged or missing.
- Package contents may vary by country and model.
- The included power cord is exclusively for this monitor and should not be used with other products.

Installing the Monitor Stand

- 1. Leave the monitor in its protective packaging. Align and gently push the stand bracket towards the monitor groove until it locks in place.
- 2. Connect the base to the stand and tighten the screw to secure the base.
- 3. Make sure the stand assembly is properly installed before setting the monitor upright.



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Important

- Place the monitor on a soft, protected surface to avoid scratching the display panel.
- Do not use any sharp objects on the panel.
- The groove for installing the stand bracket can also be used for wall mount. Please contact your dealer for proper wall mount kit.
- This product comes with NO protective film to be removed by the user! Any mechanical damages to the product including removal of the polarizing film may affect the warranty!



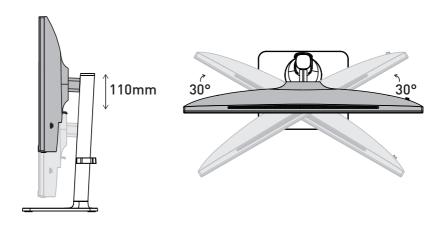
Adjusting the Monitor

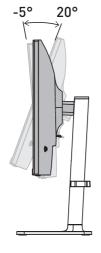
This monitor is designed to maximize your viewing comfort with its adjustment capabilities.

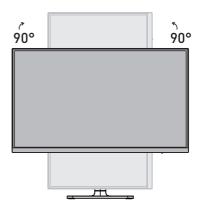


Important

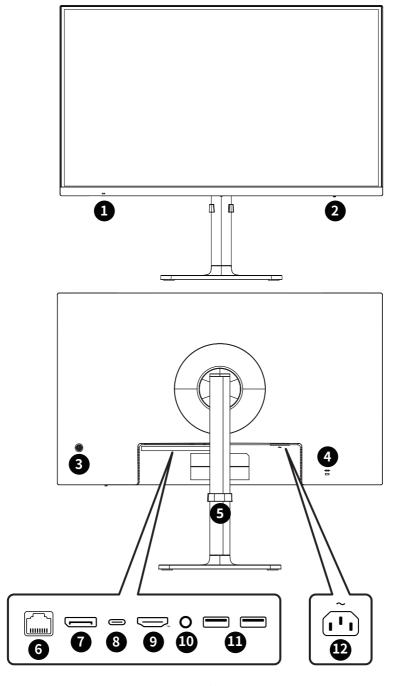
- Avoid touching the display panel when adjusting the monitor.
- The reserved pivot 5° is designed for adjusting the level imbalance of some tables.







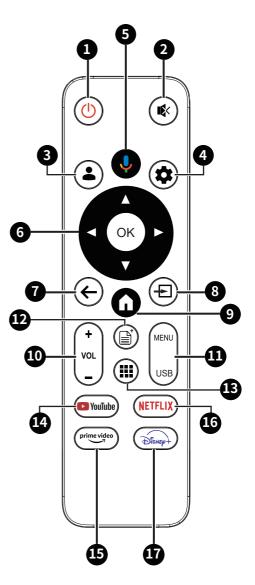
Monitor Overview



0	Infrared Receiver
2	PowerLED
4	Lit in white after the monitor is turned on. If no signal input, the LED will turn into orange. Lit in orange when the monitor is in Stand-by mode.
3	Power Button & Navi Key
4	Kensington Lock
5	Cable Organizer
6	100 Mbps LAN Jack
	The standard RJ-45 LAN jack is provided for connection to the Local Area Network (LAN). You can connect a network cable to it.
•	DisplayPort
	Supports 3840x2160@60Hz as specified in DisplayPort 1.4a.
8	USB Type-C Port
	This port supports DisplayPort Alternate (DP Alt) Mode and up to 20V/3.25A (65W) power delivery.
	1 Important
	Your USB-C signal source and cable must support DisplayPort Alternate Mode to enable video output to the monitor.
9	HDMI™ Connector H⊃ I
	Supports HDMI™ CEC, 3840x2160@60Hz as specified in HDMI™ 2.0b.
	1 Important
	To ensure optimal performance and compatibility, please use only HDMI [™] cables certified with the official HDMI [™] logo when connecting this monitor. For more information, please visit https://www.hdmi.org/resource/cables .
10	Headphone Jack
1	USB 2.0 Type-A Port
Ð	Power Jack

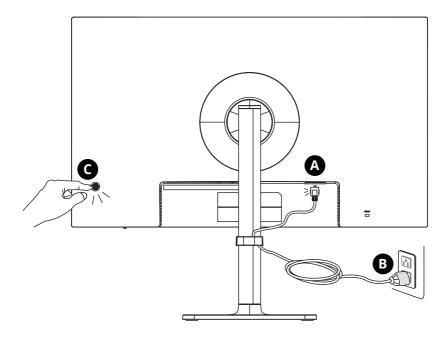
Remote Control Overview

- Power
 - Turns the Monitor on or off.
- Mute
 To mute or un-mute the sound.
- **3** Profile Switch Goes to the Google account page.
- 4 Notification (Dashboard) Enter the Monitor settings.
- **5** Google Assistant
 Turns on the bluetooth voice setting.
- **6 Up/ Down/ Left/ Right/ OK** Selects different items in the menu, adjusts the menu, and confirms the selection.
- Back
 Exits the menu and return to the previous page.
 - Bug Report (OK + Back)
 - Talkback (Back + Down)
- 8 Source Enters the source selection interface.
- 9 Home Goes to the Smart Monitor homepage.
- Volume Up/ Down
 Controls the volume.
- Menu/ USB
- 12 Shortcut
- All APPS
 Goes to the application store page.
- YouTube
 Goes to the YouTube page.
- Prime Video
 Goes to the Prime Video page.
- NETFLIX
 Goes to the NETFLIX page.
- Disney+
 Goes to the Disney Plus page.



Connecting the Monitor to PC

- 1. Turn off your computer.
- 2. Connect the video cable from the monitor to your computer.
- 3. Connect the power cord to the monitor power jack. (Figure A)
- 4. Plug the power cord into the electrical outlet. (Figure B)
- 5. Turn on the monitor. (Figure C)
- 6. Power on the computer and the monitor will auto detect the signal source.



OSD Setup

This chapter provides you with essential information on OSD Setup.

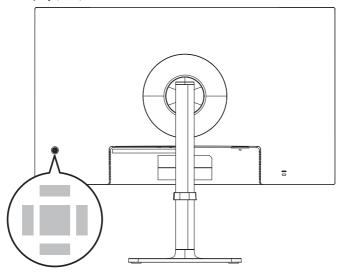


Important

All information is subject to change without prior notice.

Navi Key

The monitor comes with a Navi Key, a multi-directional control that helps navigate the On-Screen Display (OSD) menu.



Up/ Down/ Left/ Right:

- selecting function menus and items
- adjusting function values
- entering into/exiting from function menus

Middle:

- launching the On-Screen Display (OSD)
- · entering submenus
- confirming a selection or setting

Hot Key

- Users may enter into preset function menus by moving the Navi Key up, down, left or right when the OSD menu is inactive.
- Users may customize their own Hot Keys to enter into different function menus.

Google TV Menus

Channels & Inputs

1st Level Menu	2nd Level Menu
External Inputs	HDMI CEC Settings
	HDMI Signal Format

Monitor

1st Level Menu	2nd Level Menu
Quick Show	ON
	OFF
MultiView	MultiView
	Audio Focus
	Focus
Auto Switch Settings	On, go sleep when no signal
	On, go launcher when no signal
	Off
Mouse/Keyboard wake up	ON
	OFF
Multi-Platform Streamer	Open
	Start
	Subscribe
Keyboard/Mouse	Control Device
	Shortcut Menu Hotkey
Cast2Display	

Display & Sound

1st Level Menu	2nd Level Menu
Picture	Picture Mode
	Backlight
	Overscan
	Color
	PC mode
	Game Option
	Basic Settings
	Professional Settings
	Reset All

1st Level Menu	2nd Level Menu
Screen	Aspect Ratio
Sound	Sound Mode
	Surround Mode
	Sound Only
	Advanced Settings
Audio output	Output Device
	Audio Output Type
	Digital Audio Delay(ms)
	Digital Audio Volume
	eARC

Network & Internet

1st Level Menu	2nd Level Menu
Wi-Fi	ON
	OFF
Available networks	
See all/fewer	See all wifi AP
Other options	
Add new network	Input Menu for Wifi Network
Scanning always available	ON
	OFF
ETHERNET	
Not connected	
Proxy settings	Proxy settings
IP settings	IP settings
Wifi configs	Wake On Network
	Network Standby

Accounts & Profiles

1st Level Menu	2nd Level Menu
Google TV accounts	
Add an account	
Kids accounts	
Add a kid	

Privacy

1st Level Menu	2nd Level Menu
Device Settings	
Location	Location status
	Scanning always available
	RECENT LOCATION REQUESTS
Usage & diagnostics	ON
	OFF
Ads	
Account settings	
Google Assistant	Personal settings
	Voice control
	View Permissions
	Personal results
	Searchable apps
	Shared settings
	SafeSearch filter
Payment & Purchases	Purchase authentication
App settings	
Manage Updates	Auto-update apps
	See available updates
App permissions	Contacts
	Phone
	Files and media
	Microphone
	Other permissions
Special app access	Energy optimization
	Usage access
	Notification access
	All files access
	Display over other apps
	Modify system settings
	Turn screen on
Security & Restrictions	Unknow sources

Apps

1st Level Menu	2nd Level Menu
Recently opened apps	
See all apps	Show all apps
Permissions	
Manage Updates	Auto-update apps
	See available updates
App permissions	Phone
	Files and media
	Other permissions
Special app access	Energy optimization
	Usage access
	Notification access
	All files access
	Display over other apps
	Modify system settings
	Turn screen on
Security & Restrictions	Unknow sources

System

1st Level Menu	2nd Level Menu
About	System update
	Device name
	Reset
	Status
	Legal information
	Model
	Android TV OS version
	Android TV OS security patch level
	Kernel version
	Android TV OS build
	Netflix ESN
	Terms and Conditions
	Environment
	System running time

1st Level Menu	2nd Level Menu	
Date & Time	Automatic data&time	
	Set date	
	Set time	
	Set time zone	
	Use 24-hour format	
Language	Google Definied Language	
Keyboard	Current keyboard	
	Gboard Settings	
	Manage keyboards	
Storage	Device storage	
	Internal shared storage	
	Free up storage	
Ambient Screensaver	Google Defined Settings - Ambient	
Power & Energy	Power on behavior	
	Power & Energy	
	Type-C Charge	
	Power Mode	
Cast	Google Defined Settings	
System sounds	ON	
	OFF	
Restart		

Accessibility

1st Level Menu	2nd Level Menu	
TalkBack	Enable	
	Configuration	
Text to speech	Speech Services by Google	
	Engine configuration	
	Speech rate	
	Listen to an example	
	Default language status	
Accessibility shortcut	Enable accessibility shortcut	
	Shortcut service	
Switch Access	Enable	
	Configuration	

1st Level Menu	2nd Level Menu
Captions	Display
	Language
	Text size
	White on black
	Black on white
	Yellow on black
	Yellow on blue
	Custom
High contrast text (Experimental)	ON
	OFF

Remotes & Accessories

1st Level Menu	2nd Level Menu	
Bluetooth	ON	
	OFF	
Pair accessory	Full-screen BT pairing flow	
RCU Firmware Update	RCU Firmware Update	

Help & Feedback

1st Level Menu	2nd Level Menu
Send feedback	
Visit Google TV Help at g.co/tv/help	

Specifications

Monitor	Modern MD272UPSW	
Size	27 inch	
Curvature	Flat	
Panel Type	IPS	
Resolution	3840x2160 (UHD)	
Aspect Ratio	16:9	
Brightness	300 nits (typ.)	
Contrast Ratio	1000:1	
Refresh Rate	60Hz	
	• 1 x 100 Mbps LAN Jack	
	• 1 x DisplayPort	
I/O	1 x HDMI™ Connector	
1,0	• 1 x USB Type-C Port	
	• 2 x USB 2.0 Type-A Port	
	• 1 x Headphone Jack	
View Angles	178°(H), 178°(V)	
DCI-P3*/ sRGB	98% / 127%	
Surface Treatment	Anti-glare	
Display Colors	1.07B (8bits + FRC)	
Speaker	3W x2	
Monitor Power Options	100~240Vac, 50/60Hz, 3A	
Power Consumption	Power On < 180W	
(Typical)	Standby < 0.5W	
Adjustment (Height)	0 ~ 110mm	
Adjustment (Tilt)	-5° ~ 20°	
Adjustment (Swivel)	-30° ~ 30°	
Adjustment (Pivot)	-90° ~ 90°	
Kensington Lock	Yes	
VECA Manustina	Plate Type: 75 x 75 mm	
VESA Mounting	Screw Type: M4 x 10 mm	
Dimension (W x H x D)	613.5 x 413.4 x 201.8 mm	

Monitor		Modern MD272UPSW	
Maiaba	Net	6.30 kg	
Weight	Gross	9.10 kg	
Operating Environment		Temperature: 0°C to 40°C	
		• Humidity: 20% to 90%, non-condensing	
		• Altitude: 0 ~ 5000m	
	Storage	Temperature: -20°C to 60°C	
		Humidity: 10% to 90%, non-condensing	

^{*} Based on CIE1976 test standards.

^{**} External Power Supply may vary by country.

Preset Display Modes



All information is subject to change without prior notice.

Chan danid	Resolution		Standard Default Mode		
Standard			HDMI™	DP	USB-C
VGA	640x480	@60Hz	V	V	V
SVGA	800x600	@56Hz	V	V	V
		@60Hz	V	V	V
XGA	1024x768	@60Hz	V	V	V
WXGA	1280x720	@60Hz	V	V	V
WXGA+	1440x900	@60Hz	V	V	V
WSXGA+	1680x1050	@60Hz	V	V	V
FHD	1920x1080	@60Hz	V	V	V
QHD	2560x1440	@60Hz	V	V	V
UHD	3840x2160	@60Hz	V	V	V
Video Timing	720P		V	V	V
Resolution	1080P		V	V	V
	2160P	@50Hz	V	V	V
		@60Hz	V	V	V

Troubleshooting

The power LED is off.

- Press the monitor power button again.
- Check if the monitor power cable is properly connected.

No image.

- Check if the computer graphics card is properly installed.
- Check if the computer and monitor are connected to electrical outlets and are turned on.
- Check if the monitor signal cable is properly connected.
- The computer may be in Standby mode. Press any key to activate the monitor.

The screen image is not properly sized or centered.

 Refer to Preset Display Modes to set the computer to a setting suitable for the monitor to display.

No Plug & Play.

- Check if the monitor power cable is properly connected.
- Check if the monitor signal cable is properly connected.
- Check if the computer and graphics card are Plug & Play compatible.

The icons, font or screen are fuzzy, blurry or have color problems.

- Avoid using any video extension cables.
- · Adjust brightness and contrast.
- Adjust RGB color or tune color temperature.
- Check if the monitor signal cable is properly connected.
- Check for bent pins on the signal cable connector.

The monitor starts flickering or shows waves.

- Change the refresh rate to match the capabilities of your monitor.
- Update your graphics card drivers.
- Keep the monitor away from electrical devices that may cause electromagnetic interference (EMI).

Safety Instructions

- Read the safety instructions carefully and thoroughly.
- All cautions and warnings on the device or User Guide should be noted.
- Refer servicing to qualified personnel only.

Power

- Make sure that the power voltage is within its safety range and has been adjusted properly to the value of 100~240V before connecting the device to the power outlet.
- If the power cord comes with a 3-pin plug, do not disable the protective earth pin from the plug. The device must be connected to an earthed mains socket-outlet.
- Please confirm the power distribution system in the installation site shall provide the circuit breaker rated 120/240V, 20A (maximum).
- Always disconnect the power cord or switch the wall socket off if the device would be left unused for a certain time to achieve zero energy consumption.
- Place the power cord in a way that people are unlikely to step on it. Do not place anything on the power cord.
- If this device comes with an adapter, use only the MSI provided AC adapter approved for use with this device.

Environment

- To reduce the possibility of heat-related injuries or of overheating the device, do not place the device on a soft, unsteady surface or obstruct its air ventilators.
- Use this device only on a hard, flat and steady surface.
- To prevent the device from tipping over, secure the device to a desk, wall or fixed object with an anti-tip fastener that helps to properly support the device and keep it safe in place.
- To prevent fire or shock hazard, keep this device away from humidity and high temperature.
- Do not leave the device in an unconditioned environment with a storage temperature above 60°C or below -20°C, which may damage the device.
- The maximum operating temperature is around 40°C.
- When cleaning the device, be sure to remove the power plug. Use a piece of soft cloth rather than industrial chemical to clean the device. Never pour any liquid into the opening; that could damage the device or cause electric shock.
- Always keep strong magnetic or electrical objects away from the device.

- If any of the following situations arises, get the device checked by service personnel:
 - The power cord or plug is damaged.
 - Liquid has penetrated into the device.
 - The device has been exposed to moisture.
 - The device does not work well or you can not get it working according to the User Guide.
 - The device has dropped and damaged.
 - The device has obvious sign of breakage.

TÜV Rheinland Certification

TÜV Rheinland Low Blue Light Certification

Blue light has been shown to cause eye fatigue and discomfort. MSI now offers monitors with TÜV Rheinland Low Blue Light certification to ensure users' eye comfort and well-being. Please follow the instructions below to reduce the symptoms from extended exposure to the screen and blue light.



- Place the screen 20 28 inches (50 70 cm) away from your eyes and a little below eye level.
- Consciously blinking the eyes every now and then will help to reduce eye strain after extended screen time.
- Take breaks for 20 minutes every 2 hours.
- Look away from the screen and gaze at a distant object for at least 20 seconds during breaks.
- Make stretches to relieve body fatigue or pain during breaks.
- Turn on the optional Low Blue Light function.

TÜV Rheinland Flicker Free Certification

 TÜV Rheinland has tested this product to ascertain whether the display produces visible and invisible flicker for the human eye and therefore strains the eyes of users.



- TÜV Rheinland has defined a catalogue of tests, which sets out minimum standards at various frequency ranges. The test catalogue is based on internationally applicable standards or standards common within the industry and exceeds these requirements.
- The product has been tested in the laboratory according to these criteria.
- The keyword "Flicker Free" confirms that the device has no visible and invisible flicker defined in this standard within the range of 0 - 3000 Hz under various brightness settings.
- The display will not support Flicker Free when Anti Motion Blur/MPRT is enabled. (The availability of Anti Motion Blur/MPRT varies by products.)

ENERGY STAR Certification

ENERGY STAR is a program run by the U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE) to promote energy efficiency. This product qualifies for ENERGY STAR in the "factory default" settings through which power savings will be achieved. Changing the factory default picture settings or enabling other features will increase power consumption, which could exceed the limits necessary to qualify for ENERGY STAR rating.



For more information on ENERGY STAR, refer to https://www.energystar.gov/.

Regulatory Notices

CE Conformity

This device complies with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2014/30/EU), Low-voltage Directive (2014/35/EU), ErP Directive (2009/125/EC), RoHS directive (2011/65/EU), and Radio Equipment Directive, RED (2014/53/EU). This product has been tested and found to comply with the harmonized standards for Information Technology Equipment published under Directives of Official Journal of the European Union.

FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to 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 instruction manual, 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 measures listed below:

- 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/television technician for help.

Notice 1

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

Notice 2

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

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.

MSI Computer Corp.

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WEEE Statement

Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2012/19/EU, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.



Chemical Substances Information

In compliance with chemical substances regulations, such as the EU REACH Regulation (Regulation EC No. 1907/2006 of the European Parliament and the Council), MSI provides the information of chemical substances in products at: https://csr.msi.com/global/index

RoHS Statement

Japan JIS C 0950 Material Declaration

A Japanese regulatory requirement, defined by specification JIS C 0950, mandates that manufacturers provide material declarations for certain categories of electronic products offered for sale after July 1, 2006.

https://csr.msi.com/global/Japan-JIS-C-0950-Material-Declarations

India RoHS

This product complies with the "India E-waste (Management and Handling) Rule 2016" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

Turkey EEE Regulation

Conforms to the EEE Regulations of the Republic Of Turkey

Ukraine Restriction of Hazardous Substances

The equipment complies with requirements of the Technical Regulation, approved by the Resolution of Cabinet of Ministry of Ukraine as of 10 March 2017, № 139, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

Vietnam RoHS

As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

Green Product Features

- Reduced energy consumption during use and stand-by
- Limited use of substances harmful to the environment and health
- Easily dismantled and recycled
- Reduced use of natural resources by encouraging recycling
- Extended product lifetime through easy upgrades
- Reduced solid waste production through take-back policy

Environmental Policy

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.



- Visit the MSI website and locate a nearby distributor for further recycling information.
- Users may also reach us at gpcontdev@msi.com for information regarding proper disposal, take-back, recycling, and disassembly of MSI products.
- Please visit <https://us.msi.com/page/recycling for information regarding the recycling of your product in the US.

Warning!

Overuse of screens is likely to affect eyesight.

Recommendations:

- 1. Take a 10-minute break for every 30 minutes of screen time.
- 2. Children under 2 years of age should have no screen time. For children aged 2 years and over, screen time should be limited to less than one hour per day.

Copyright and Trademarks Notice

msi Msi 微星





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Dolby Audio

Manufactured under license from Dolby Laborationries. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Technical Support

If a problem arises with your product and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, please visit https://www.msi.com/support/ for further guidance.

Restrictions for Products with Radio Functionality (select products only)



CAUTION: IEEE 802.11x wireless LAN with 5.15~5.35 GHz frequency band is restricted for indoor use only in all European Union member states, EFTA (Iceland, Norway, Liechtenstein), and most other European countries (e.g., Switzerland, Turkey, Republic of Serbia). Using this WLAN application outdoors might lead to interference issues with existing radio services.



Radio frequency bands and maximum power levels

• Features: Wi-Fi 6E, BT

• Frequency Range:

2.4 GHz: 2400~2485MHz

5 GHz: 5150~5350MHz, 5470~5725MHz, 5725~5850MHz

6 GHz: 5955~6415MHz

Max Power Level:

2.4 GHz: 20dBm

5 GHz: 23dBm

6 GHz: 23dBm