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Thinlerain HD236-165

Thinlerain 24 Inch 144Hz/165Hz Gaming Monitor User Manual

Model: **HD236-165**
Brand: **Thinlerain**

1. Introduction

This user manual provides comprehensive instructions for the setup, operation, and maintenance of your Thinlerain 24 Inch 144Hz/165Hz Gaming Monitor (Model HD236-165). Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

The Thinlerain HD240-144HZ monitor features a 23.6-inch TN panel, offering a fast 144Hz or 165Hz refresh rate and a 2ms response time, designed to enhance your gaming and viewing experience with vibrant colors and smooth transitions.

2. Safety Information

Please observe the following safety precautions to ensure safe operation and to prevent damage to the monitor:

- Do not expose the monitor to rain, moisture, or extreme temperatures.
- Ensure proper ventilation around the monitor. Do not block ventilation openings.
- Use only the power adapter supplied with the monitor.
- Avoid placing heavy objects on the power cord or monitor.
- Do not attempt to disassemble or repair the monitor yourself. Refer all servicing to qualified personnel.
- Clean the monitor screen and casing with a soft, lint-free cloth. Avoid using abrasive cleaners or solvents.

3. Package Contents

Verify that all items listed below are included in your package:

- Thinlerain 23.6-Inch PC Monitor (144Hz/165Hz) x 1
- Power Cord x 1
- HDMI Cable x 1
- User Guide x 1



Image: Front view of the Thinlerain 24 Inch Gaming Monitor, showing the screen, stand, and key features like 144Hz refresh rate and 2ms response time.

4. Setup

4.1 Assembling the Stand

Follow these steps to attach the stand to your monitor:

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand base to the stand neck, securing it with the provided screw (if applicable).
3. Align the assembled stand with the mounting slot on the back of the monitor.
4. Gently push the stand into the slot until it clicks into place or secure it with screws as per the stand design.

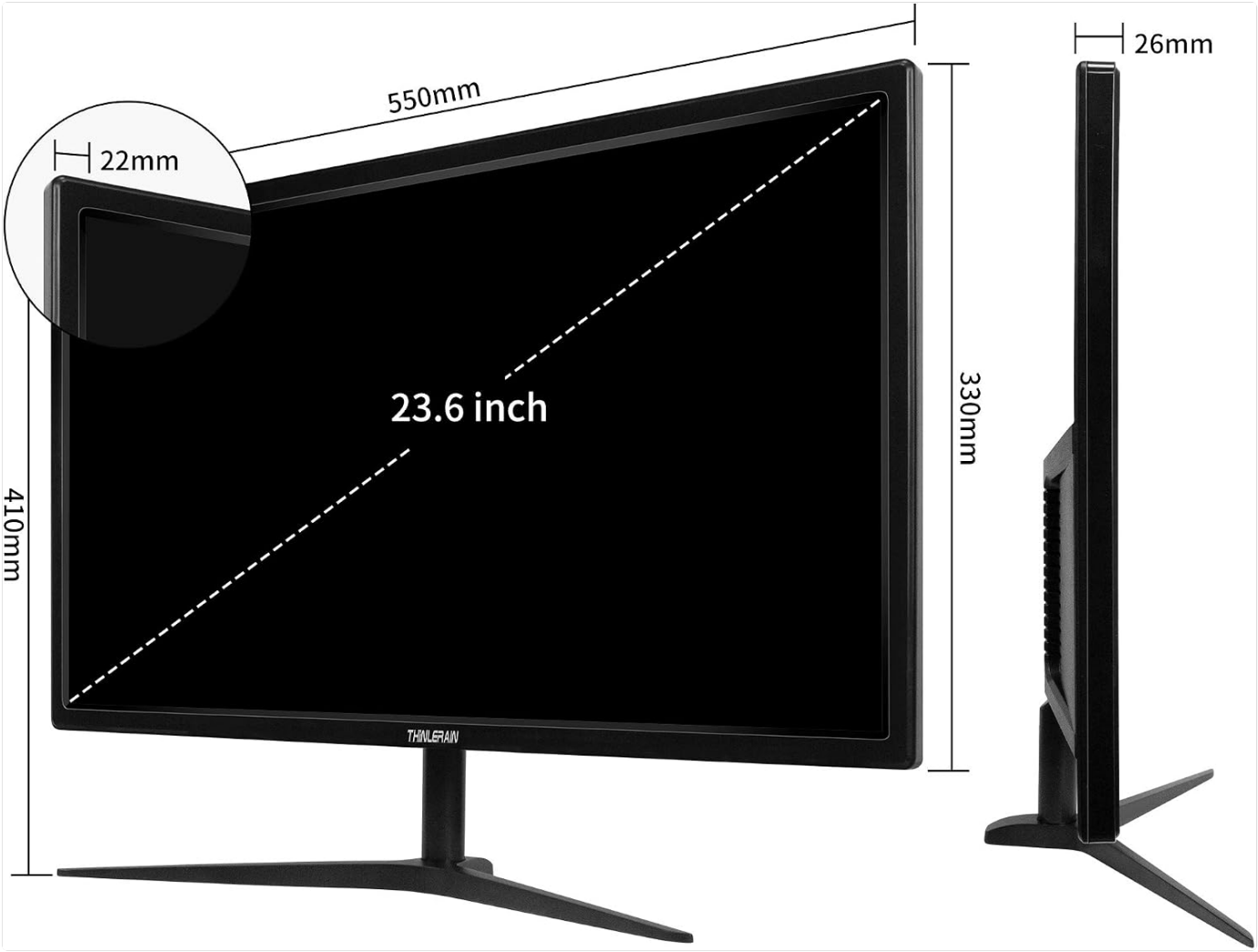


Image: Diagram showing the dimensions of the Thinlerain monitor, including screen size (23.6 inches) and overall physical measurements.

4.2 Connecting to a Device

The monitor supports HDMI and DisplayPort connections. Follow these steps to connect your device:

1. Ensure both the monitor and your computer/device are powered off.
2. Connect one end of the HDMI cable (included) or a DisplayPort cable (not included) to the corresponding port on your computer/device.
3. Connect the other end of the cable to the HDMI 1.4 or DP 1.2 port on the back of the monitor.
4. For audio output, connect headphones or external speakers to the 3.5mm Audio Out port on the monitor.
5. Connect the power cord to the monitor's DC power input, then plug the other end into a power outlet.
6. Power on your computer/device, then power on the monitor.



Image: Close-up view of the monitor's rear panel, highlighting the DP1.2, 3.5mm Audio, HDMI 1.4, and 100x100mm VESA mounting points.



Image: Detailed view of the back of the Thinlerain monitor, showing the DC power port, USB port, audio port, HDMI port, and DisplayPort, along with the 100x100mm VESA wall mount area.

4.3 VESA Mounting

The monitor is compatible with 100x100mm VESA mounts, allowing for wall or arm mounting. To use a VESA mount:

1. Remove the stand from the monitor if it is already attached.
2. Attach the VESA compatible bracket (not included) to the 100x100mm mounting holes on the back of the monitor using appropriate screws.
3. Mount the monitor to your desired wall mount or monitor arm according to the mount's instructions.

5. Operating the Monitor

5.1 Power On/Off

Press the power button, usually located on the bottom right side of the monitor, to turn the monitor on or off.

5.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. The navigation buttons are typically located on the bottom or back of the monitor.

- **Menu Button:** Press to open the OSD menu.
- **Navigation Buttons:** Use to navigate through menu options (Up/Down or Left/Right).
- **Select/Enter Button:** Press to confirm a selection or enter a sub-menu.
- **Exit Button:** Press to exit the current menu or OSD.

5.3 Adjusting Display Settings

Within the OSD menu, you can adjust settings such as:

- **Brightness/Contrast:** Adjust the overall luminance and contrast ratio.
- **Color Settings:** Modify color temperature, gamma, and individual RGB levels.
- **Input Source:** Manually select between HDMI and DisplayPort inputs.
- **Picture Mode:** Select preset display modes (e.g., Standard, Game, Movie).
- **Refresh Rate:** Ensure your computer's display settings are configured to utilize the monitor's 144Hz or 165Hz refresh rate for optimal performance.
- **Low-Blue Light Mode:** Activate this feature to reduce blue light emission for eye comfort during prolonged use.



Image: Visual comparison demonstrating the difference between a 60Hz and 144Hz refresh rate, highlighting the smoother motion provided by the higher refresh rate.



Image: Side view of the Thinlerain monitor showcasing key features such as 144Hz refresh rate, 2ms response time, color vibrance, and 1920x1080p HD resolution.

6. Maintenance

6.1 Cleaning the Monitor

To maintain the clarity and appearance of your monitor:

- Always power off the monitor and unplug the power cord before cleaning.
- Use a soft, lint-free cloth to gently wipe the screen. For stubborn marks, slightly dampen the cloth with water or a specialized screen cleaner (do not spray directly onto the screen).
- Wipe the monitor casing with a soft, dry cloth.
- Avoid using benzene, thinner, ammonia-based cleaners, or abrasive materials, as these can damage the screen or casing.

6.2 Storage

If storing the monitor for an extended period, ensure it is powered off, unplugged, and stored in a cool, dry place away from direct sunlight and extreme temperatures. It is recommended to use the original packaging for protection.

7. Troubleshooting

If you encounter issues with your monitor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; Incorrect input source; Device not powered on.	Check power connections; Select correct input source via OSD; Ensure connected device is on.
Image is blurry or distorted	Incorrect resolution; Loose video cable.	Set display resolution to 1920x1080p; Reconnect video cable securely.
No audio	Audio cable disconnected; Volume too low; Incorrect audio output selected on device.	Check 3.5mm audio cable connection; Adjust monitor/device volume; Select monitor as audio output on your device.
Monitor not reaching 144Hz/165Hz	Incorrect display settings on computer; Cable limitation; Device limitation.	Ensure your graphics card and operating system are set to the desired refresh rate; Use DisplayPort for 165Hz; Note that some consoles (PS3/4/5, Xbox, Switch) may not support 144Hz.

8. Specifications

Detailed technical specifications for the Thinlerain HD236-165 Gaming Monitor:

Feature	Specification
Model Number	HD236-165
Display Size	23.6 inches
Resolution	1920x1080p (FHD 1080p)
Screen Ratio	16:9
Display Type	TN Panel
Refresh Rate	144Hz or 165Hz
Response Time	2ms
Viewing Angle	H170° / V170°
Dot/Pixel Pitch	0.24795 x 0.24795 mm
Display Colors	16.7 Million Colors
Color Gamut	sRGB: 100%, NTSC: 75%
Contrast Ratio	1000:1
Dynamic Contrast Ratio	16.7 Million:1
Brightness	300cd/m2
VESA Compatibility	100x100mm
Ports	1x DP 1.2, 1x HDMI 1.4, 1x 3.5mm Audio Out, 1x USB (for service/firmware, not general use)

Feature	Specification
Tilt Adjustment	-10° ~ 15°
Additional Features	Anti-Glare Treated Screen, Low-Blue Light Mode
Net Weight	8.8 lb. (4 kg)
Dimensions (with stand)	21.6 x 12.9 x 1 inch (550 x 330 x 26 mm)

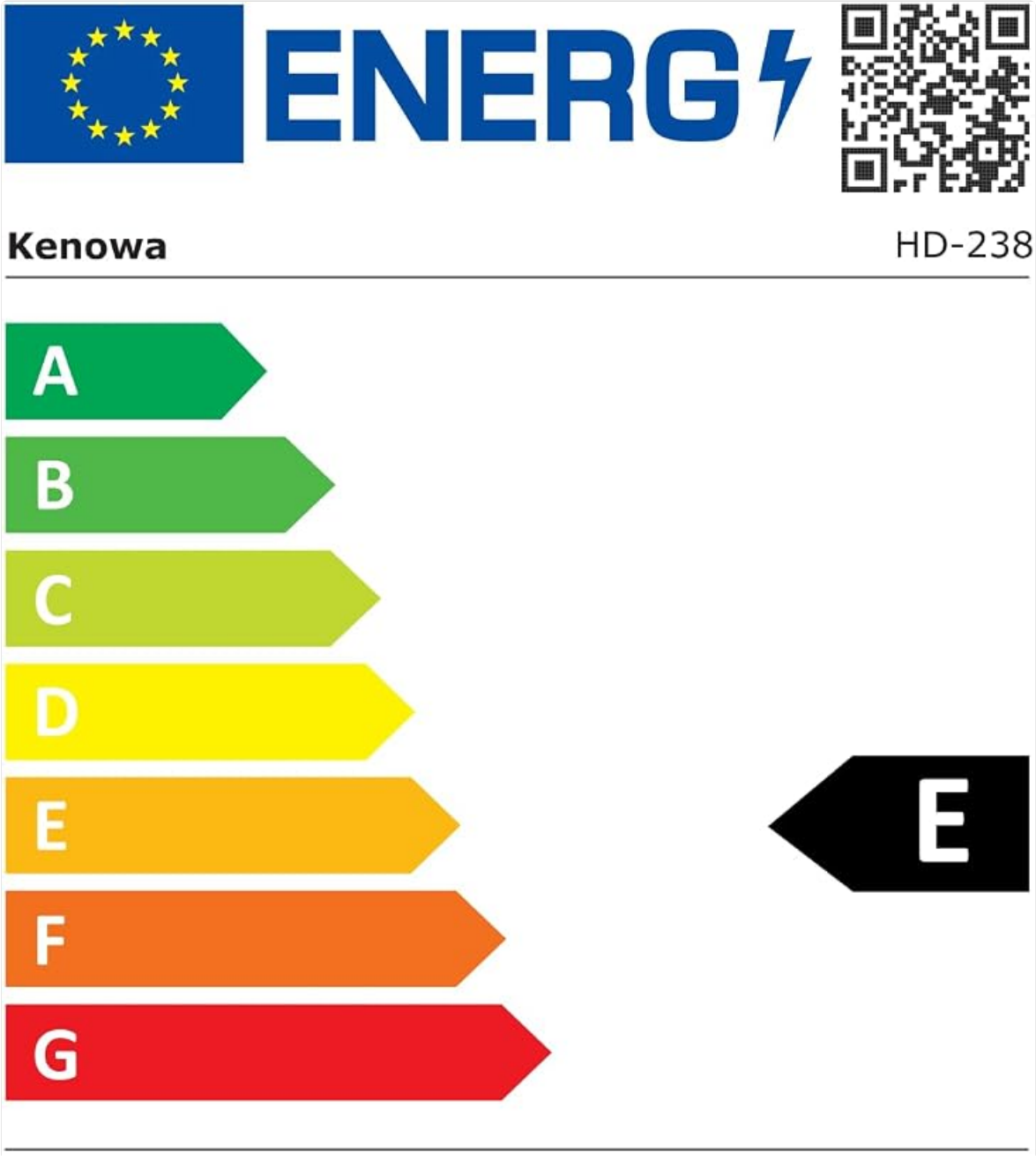
Produktdatenblatt

DELEGIERTE VERORDNUNG (EU) 2019/2013 DER KOMMISSION zur Energieverbrauchskennzeichnung von elektronischen Displays

	Parameter	Parameter oder Wert und Genauigkeit			Einheit
1.	Name oder Warenzeichen des Lieferanten	Kenowa			
	Anschrift des Lieferanten	EUREP GmbH, Unterletten-weg 1a, 85051 Ingolstadt, Germany			
2.	Modellkennung	HD-238			
3.	Energieeffizienzklasse bei Standard-Dynamikumfang (SDR)	E			
4.	Leistungsaufnahme im Ein-Zustand bei SDR	18,2			W
5.	Energieeffizienzklasse bei hohem Dynamikumfang (HDR)	E			
6.	Leistungsaufnahme im Ein-Zustand bei hohem Dynamikumfang (HDR), falls vorhanden	18,3			W
7.	Leistungsaufnahme im Aus-Zustand, falls zutreffend	0,0			W
8.	Leistungsaufnahme im Bereitschaftszustand, falls zutreffend	0,5			W
9.	Leistungsaufnahme im vernetzten Bereitschaftsbetrieb, falls zutreffend	2,0			W
10.	Art des elektronischen Displays	Monitor			
11.	Seitenverhältnis	16	:	9	
12.	Bildschirmauflösung	1 920	x	1 080	pixels
13.	Bildschirmdiagonale	61,0			cm
14.	Bildschirmdiagonale	24			Zoll
15.	Sichtbare Bildschirmfläche	15,6			dm^2
16.	Verwendete Panel-Technologie	LCD			
17.	Automatische Helligkeitsregelung (ABC) vorhanden	Nein			
18.	Spracherkennungssensor vorhanden	Nein			
19.	Anwesenheitssensor vorhanden	Nein			
20.	Bildwiederholfrequenz (Standard)	60			Hz
21.	Mindestens garantierte Software- und Firmware-Aktualisierungen (ab dem Datum der Beendigung des Inverkehrbringens)	-			Jahre
22.	Mindestens garantierte Verfügbarkeit von Ersatzteilen (ab dem Datum der Beendigung des Inverkehr-	-			Jahre

	bringens)			
23.	Mindestens garantierte Produktunterstützung		-	Jahre
	Mindestlaufzeit der vom Lieferanten angebotenen allgemeinen Garantie		-	Jahre
24.	Art der Stromversorgung (Netzteil)		Intern	
25.	Externes Netzteil (nicht genormt, in der Verkaufsverpackung enthalten)			
	i	-		
	ii	Eingangsspannung	-	V
	iii	Ausgangsspannung	-	V
26.	Genormtes externes Netzteil (oder geeignetes Netzteil, falls nicht in der Verkaufsverpackung enthalten)			
	i	-		
	ii	Benötigte Ausgangsspannung	-	V
	iii	Benötigte (Mindest-)Stromstärke	-	A
	iv	Benötigte Stromfrequenz	-	Hz

Image: German energy efficiency label for the monitor, showing energy consumption and class.



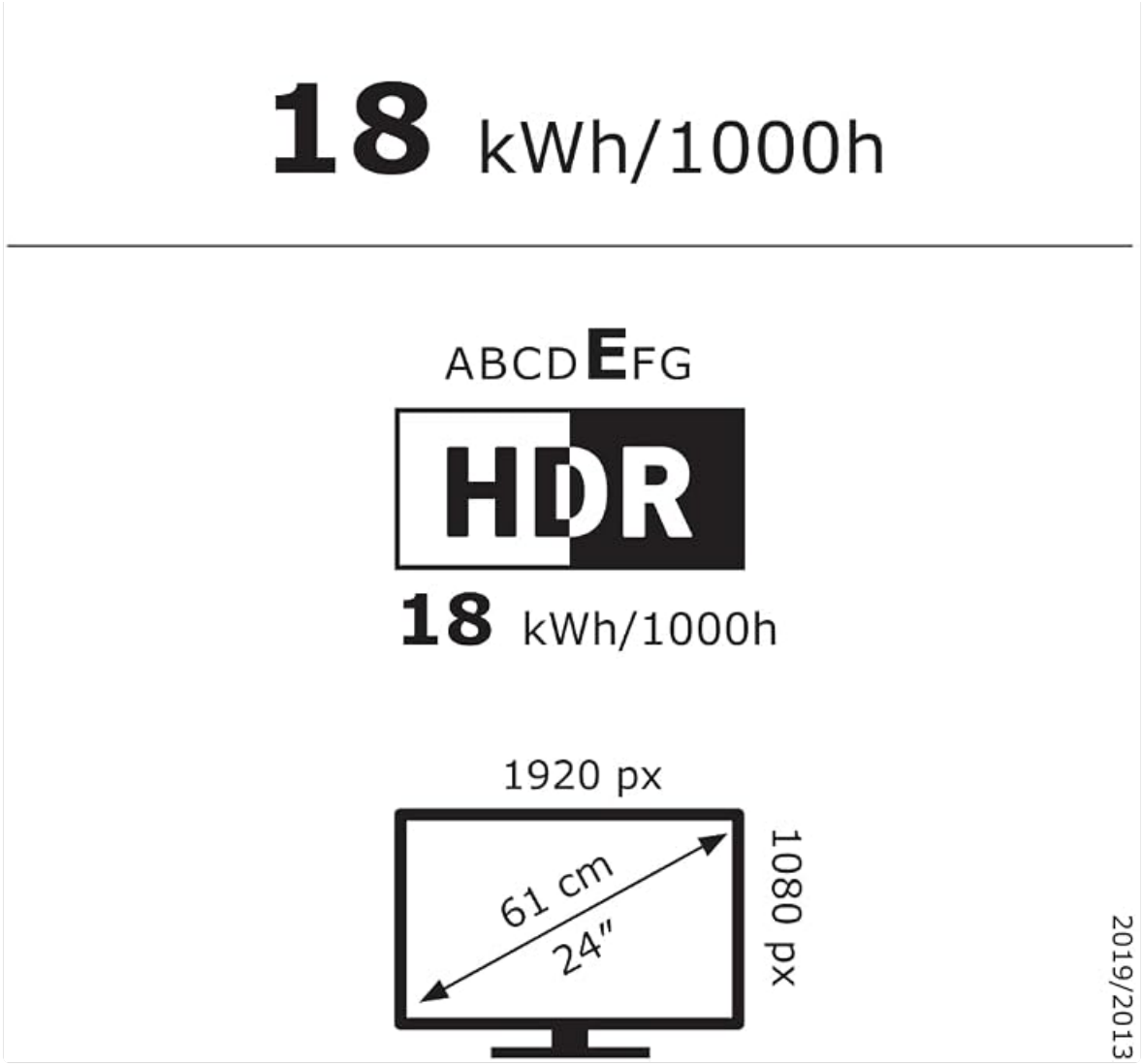


Image: EU energy efficiency label for the monitor, indicating energy class E and power consumption.

For more detailed energy information, please refer to the official EPREL database:https://eprel.ec.europa.eu/qr/1589777

9. Warranty and Support

Thinlerain provides comprehensive support for your monitor:

- **Return Policy:** Each Thinlerain product is covered for 30 days for refund and exchange.
- **Warranty:** The monitor comes with a 1-year system and panel warranty from the date of purchase.
- **Technical Support:** For any issues or technical assistance, please contact Thinlerain customer support via email.

Contact Email: Thinlerain@outlook.com

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Question

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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