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Thinlerain T-27INCH-4K-60Hz

Thinlerain 27-inch 2K IPS Monitor with Pop-up Webcam User Manual

Model: T-27INCH-4K-60Hz

1. Introduction

Thank you for choosing the Thinlerain 27-inch 2K IPS Monitor. This monitor is designed to enhance your productivity and entertainment experience with its vibrant 2K (2560x1440) IPS display, 100Hz refresh rate, and integrated features. It includes a convenient pop-up 3MP webcam, a built-in microphone, and dual speakers, providing an all-in-one solution for video conferencing and multimedia. The ergonomic stand offers extensive adjustability for optimal viewing comfort.

This manual provides detailed instructions for setting up, operating, and maintaining your monitor. Please read it thoroughly before use and keep it for future reference.

2. Safety Information

To ensure safe operation and prolong the lifespan of your monitor, please observe the following safety precautions:

- Do not expose the monitor to rain, moisture, or extreme temperatures.
- Avoid placing the monitor in direct sunlight or near heat sources.
- Ensure proper ventilation around the monitor; do not block ventilation openings.
- Use only the power adapter supplied with the monitor.
- Do not attempt to open the monitor casing. Refer all servicing to qualified personnel.
- Clean the screen with a soft, lint-free cloth. Avoid using abrasive cleaners or solvents.
- Keep the monitor away from strong magnetic fields.

3. Package Contents

Please check the package contents upon unpacking. If any items are missing or damaged, contact your retailer.

- Thinlerain 27-inch Monitor
- Multi-function Adjustable Stand
- HDMI Cable
- USB-C to USB-C Cable

- USB-C to USB-A Cable
- Power Cord
- User Manual (this document)



Image: Package Contents and Dimensions. This image displays the monitor's dimensions (61cm width, 36cm height for screen, 54cm total height with stand, 22cm stand depth) and lists the included accessories: USB-A to USB-C cable, USB-C to USB-C cable, HDMI cable, rotatable bracket (stand), manual, and power cord.

4. Setup

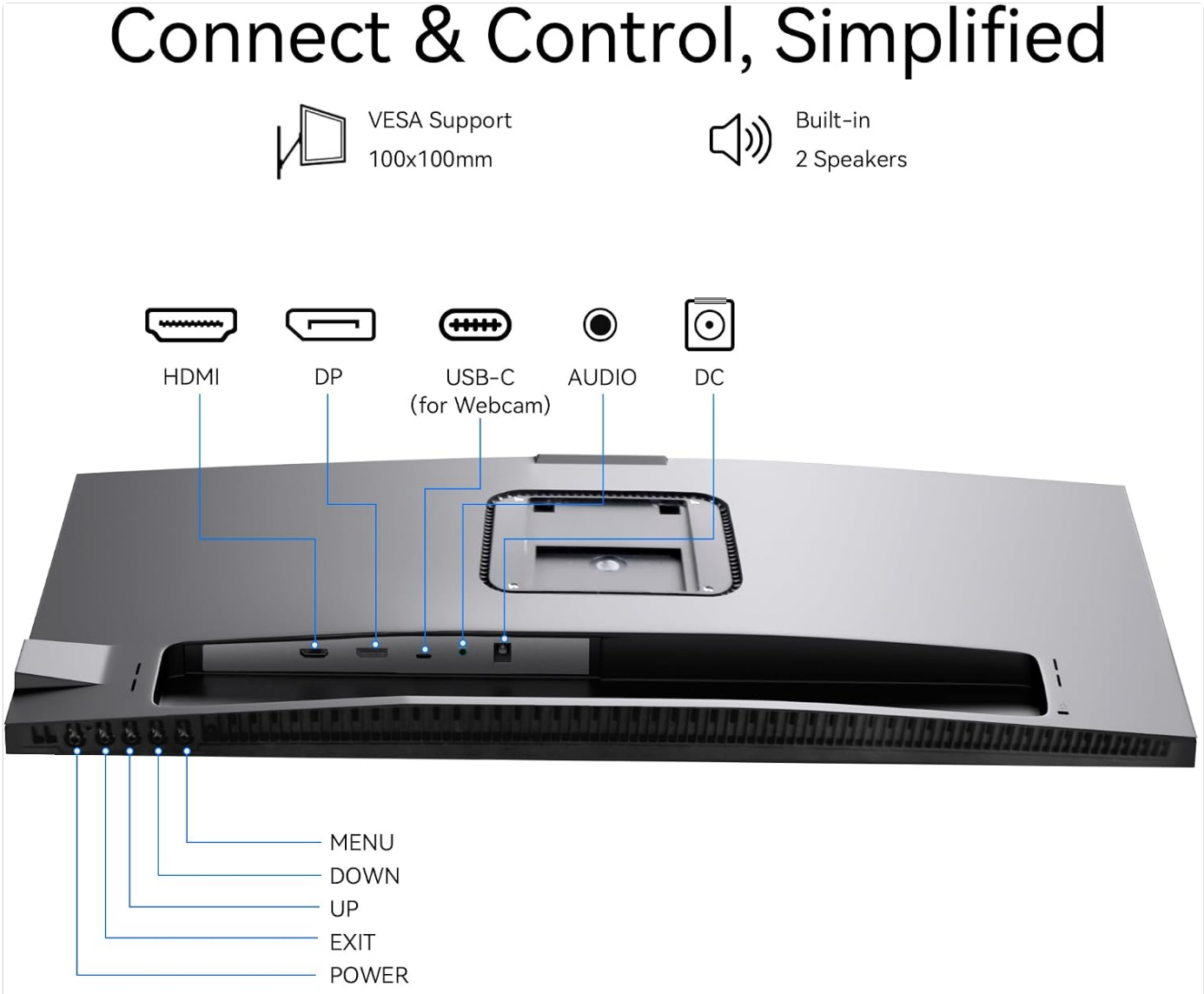
4.1 Assembling the Stand

1. Carefully place the monitor face down on a soft, clean surface to prevent scratches.
2. Align the stand arm with the mounting slot on the back of the monitor.
3. Secure the stand arm to the monitor using the provided screws (if applicable, usually tool-less for this type).
4. Attach the base to the stand arm and tighten the thumb screw or screws from the bottom.
5. Carefully lift the monitor and place it upright on a stable desk.

4.2 Connecting the Monitor

Before connecting, ensure your computer and the monitor are powered off.

1. **Power Connection:** Connect the power cord to the monitor's DC input port, then plug the other end into a power outlet.
2. **Video Connection:**
    - For HDMI: Connect one end of the HDMI cable to the monitor's HDMI port and the other end to your computer's HDMI port.
    - For DisplayPort: Connect one end of the DisplayPort cable to the monitor's DP port and the other end to your computer's DisplayPort.
3. **USB-C Connection (for Webcam, Microphone, and Speakers):** To enable the integrated webcam, microphone, and speakers, you **must** connect the monitor to your computer using either the supplied USB-C to USB-C cable or the USB-C to USB-A cable. Connect the USB-C end to the monitor's USB-C port (labeled "USB-C for Webcam") and the other end to a compatible USB-C or USB-A port on your computer.
4. **Audio Output (Optional):** If you wish to use external headphones or speakers, connect them to the monitor's 3.5mm audio output jack.



Important: The built-in webcam must be connected to the monitor's USB-C port to function. Ensure your computer has a USB-C or USB-A port before purchase.

Image: Monitor Connectivity and Controls. This image shows the rear view of the monitor's bottom edge, highlighting the available ports: HDMI, DisplayPort (DP), USB-C (for Webcam), Audio Out, and DC Power. Below these ports, the control buttons are labeled: MENU, DOWN, UP, EXIT, and POWER. It also notes VESA Support (100x100mm) and Built-in 2 Speakers.



⚠️**Webcam Connection Note:**

- This pop-up webcam requires a USB-C connection to the monitor.
- Before ordering, please verify your PC/laptop has an available USB-C or USB-A port for the included cable.

Image: Monitor in a Desktop Setup. This image illustrates the monitor connected to a computer setup, showing cables neatly routed. A warning is prominently displayed: "Webcam Connection Note: This pop-up webcam requires a USB-C connection to the monitor. Before ordering, please verify your PC/laptop has an available USB-C or USB-A port for the included cable."

5. Operating the Monitor

5.1 Power On/Off

Press the **POWER** button located on the bottom right of the monitor (when viewed from the front) to turn the monitor on or off.

5.2 OSD (On-Screen Display) Menu Navigation

Use the control buttons on the bottom right of the monitor to access and navigate the OSD menu:

- **MENU:** Opens the OSD menu or enters a sub-menu.

- **DOWN / UP:** Navigates through menu options or adjusts values.
- **EXIT:** Exits the current menu or returns to the previous level.

Common OSD settings include Brightness, Contrast, Color Temperature, Input Source, and Picture Mode.

5.3 Using the Pop-up Webcam, Microphone, and Speakers

The monitor features an integrated 3MP pop-up webcam, a built-in microphone, and dual speakers for a complete video conferencing experience.

- **Activating the Webcam:** Gently press down on the top center of the monitor where the webcam is located. It will pop up. To retract it for privacy, simply push it back down until it clicks into place.
- **Functionality:** Ensure the monitor is connected to your computer via the USB-C cable (as described in Section 4.2) for the webcam, microphone, and speakers to function. Your operating system should automatically detect these devices.
- **Privacy:** The pop-up design ensures physical privacy. When retracted, the webcam is completely off and inaccessible by software.



Important: The built-in webcam must be connected to the monitor's USB-C port to function. Ensure your computer has a USB-C or USB-A port before purchase.

Image: Pop-up Webcam Features. This image illustrates the one-touch control for the pop-up webcam, emphasizing its physical privacy feature when retracted. It highlights the 3MP pop-up webcam with a built-in microphone for crystal-clear video and sound, and the sleek, all-in-one design that eliminates external webcam clutter.



Image: Monitor in Video Conference Use. This image shows the Thinlerain monitor displaying a video conference call with multiple participants, demonstrating the integrated webcam in active use for professional communication.

5.4 Ergonomic Adjustments

The multi-function stand allows for various adjustments to optimize your viewing comfort and productivity:

- **Height Adjustment:** Raise or lower the monitor to eye level.
- **Tilt Adjustment:** Tilt the screen forwards or backwards to find the best viewing angle.
- **Swivel Adjustment:** Rotate the monitor horizontally (left or right) to share your screen or adjust your position.
- **Pivot (Portrait Mode):** Rotate the screen 90 degrees to switch between landscape and portrait orientation, ideal for coding, document review, or web browsing.

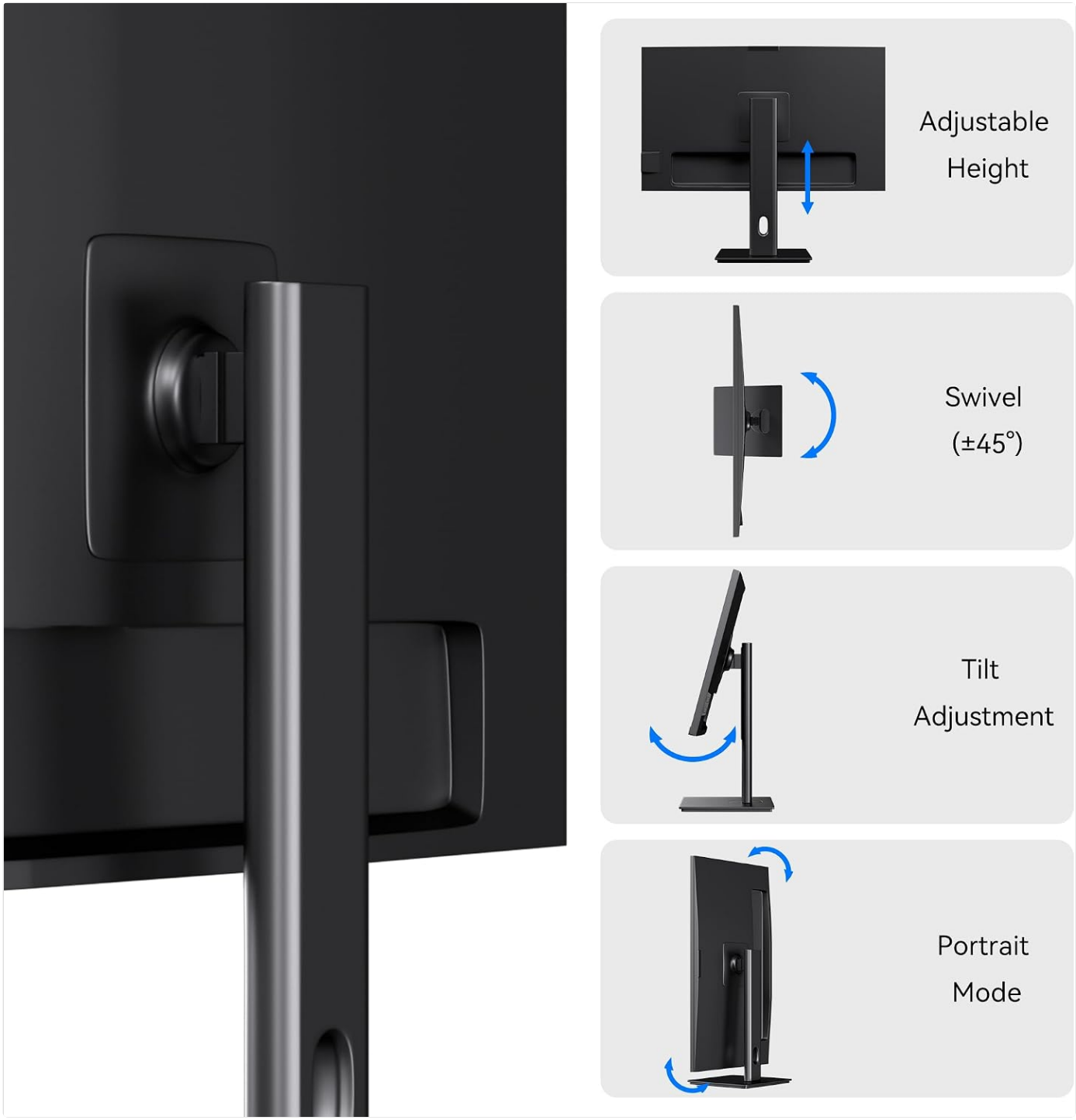


Image: Ergonomic Stand Adjustments. This image illustrates the full range of motion provided by the monitor stand: Adjustable Height, Swivel (±45°), Tilt Adjustment, and Portrait Mode (90° pivot).

5.5 Display Quality

The 27-inch IPS panel offers a 2K QHD (2560 x 1440) resolution with a 100Hz refresh rate, 350 nits brightness, 1000:1 contrast ratio, 100% sRGB color gamut, and wide 178° viewing angles for a superior visual experience.



Image: 2K IPS Display Quality. This image visually compares a 1080p display to the monitor's 2K QHD (2560 x 1440) display, highlighting the superior clarity and detail of 2K. It also lists key display specifications: 2K QHD, IPS panel, 178° View Angle, 100Hz refresh rate, 350 Nits brightness, 100% sRGB, 1000:1 Contrast, and 16:9 Aspect Ratio.

6. Maintenance

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a screen-cleaning solution specifically designed for LCD/LED displays. Never spray liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to wipe the monitor casing. Avoid using abrasive cleaners or solvents.
- **Storage:** If storing the monitor for an extended period, unplug it from the power outlet and store it in a cool, dry place, preferably in its original packaging.

7. Troubleshooting

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet not working; Monitor not turned on.	Ensure power cord is securely connected. Check power outlet with another device. Press the POWER button.
No signal / Blank screen	Video cable not connected; Incorrect input source selected; Computer in sleep mode.	Check video cable connections (HDMI/DP). Use OSD menu to select correct input source. Wake up computer.
Webcam/Microphone/Speakers not working	USB-C cable not connected; Incorrect USB port used; Driver issue.	Ensure the USB-C cable is connected from the monitor's USB-C port to a compatible USB-C/USB-A port on your computer. Try a different USB port. Check device manager for drivers.
Poor image quality	Incorrect resolution; Cable issue; OSD settings.	Set display resolution to 2560x1440 in your computer's display settings. Try a different video cable. Adjust brightness, contrast, or color settings in the OSD menu.

8. Specifications

Model Number	T-27INCH-4K-60Hz
Screen Size	27 Inches
Panel Type	IPS
Resolution	2560 x 1440 (2K QHD)
Refresh Rate	100 Hz
Aspect Ratio	16:9
Brightness	350 nits
Contrast Ratio	1000:1
Viewing Angle	178° (H/V)
Color Gamut	100% sRGB
Connectivity	1x HDMI, 1x DisplayPort, 1x USB-C (for webcam/mic/speakers), 1x Audio Out
Integrated Webcam	3MP Pop-up
Audio	Built-in Microphone, Dual Built-in Speakers
Ergonomics	Height Adjustment, Tilt, Swivel, Pivot (Portrait Mode)
VESA Mount	100 x 100 mm

9. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official Thinlerain website. If you encounter any issues not covered in this manual, please contact Thinlerain customer support for assistance.

You can typically find support contact details on the manufacturer's website or on your purchase documentation.

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