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## Twisted Minds TM27FHD280IPS

# Twisted Minds Supreme Series Flat 27" FHD - 280Hz Gaming Monitor User Manual

Model: TM27FHD280IPS

## 1. INTRODUCTION

Thank you for choosing the Twisted Minds Supreme Series Flat 27" FHD - 280Hz Gaming Monitor. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new monitor. Please read this manual thoroughly before using the product to ensure proper operation and to maximize your gaming experience.

This monitor features a 27-inch Full HD (1920x1080) Fast IPS panel, offering a high refresh rate of 280Hz and an ultra-low response time of 0.5ms for smooth and responsive visuals. It includes HDMI 2.1 and DisplayPort 1.4 connectivity, built-in speakers, Adaptive Sync technology, and anti-flicker with blue light filter for reduced eye strain.

## 2. PACKAGE CONTENTS

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

- Twisted Minds Supreme Series Flat 27" FHD - 280Hz Monitor
- Monitor Stand (Base and Neck)
- Power Adapter and Cable
- HDMI Cable
- DisplayPort Cable
- User Manual (this document)
- Screws for Stand Assembly

## 3. SETUP

### 3.1 Assembling the Stand

1. Carefully remove the monitor from its packaging, placing it face down on a soft, clean surface to prevent scratches.
2. Attach the stand neck to the monitor panel using the provided screws.
3. Attach the stand base to the stand neck, securing it with the designated screw.
4. Ensure all connections are firm before placing the monitor upright.

The monitor also supports VESA 100x100mm mounting for wall or arm installation. Remove the stand before attaching a VESA mount.

### 3.2 Connecting Your Monitor

Connect the monitor to your computer or other devices using the appropriate cables.



**Image:** Rear view of the monitor displaying its input/output ports. These include two HDMI 2.1 ports, two DisplayPort 1.4 ports, a DC power input, and an audio output jack. The image also highlights the EMENU buttons and VESA 100\*100 MM mounting points.

- **Power Connection:** Connect the power adapter to the monitor's DC IN port and then plug it into a power outlet.
- **DisplayPort (DP):** For optimal performance, especially 280Hz refresh rate, connect your PC's graphics card to the monitor using the provided DisplayPort 1.4 cable.
- **HDMI:** Connect your PC, gaming console, or other HDMI-enabled devices using an HDMI 2.1 cable for up to 240Hz at 1080p.
- **Audio Out:** Connect external speakers or headphones to the 3.5mm audio output jack.

## 4. OPERATING YOUR MONITOR

### 4.1 Power On/Off

Press the power button (usually located on the back or bottom right of the monitor) to turn the monitor on or off.

## 4.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the EMENU buttons (refer to the I/O ports image in Section 3.2) to navigate and select options.

- **Picture Settings:** Adjust brightness, contrast, sharpness, and color temperature.
- **Color Settings:** Fine-tune color saturation, hue, and gamma.
- **Input Select:** Manually switch between DisplayPort and HDMI inputs.
- **OSD Settings:** Adjust OSD language, transparency, and timeout.
- **Other Settings:** Enable/disable Adaptive Sync, HDR, Blue Light Filter, and Anti-Flicker.

## 4.3 Refresh Rate and Resolution

This monitor supports a maximum refresh rate of 280Hz. To achieve this, ensure your graphics card and connection cable support DisplayPort 1.4.

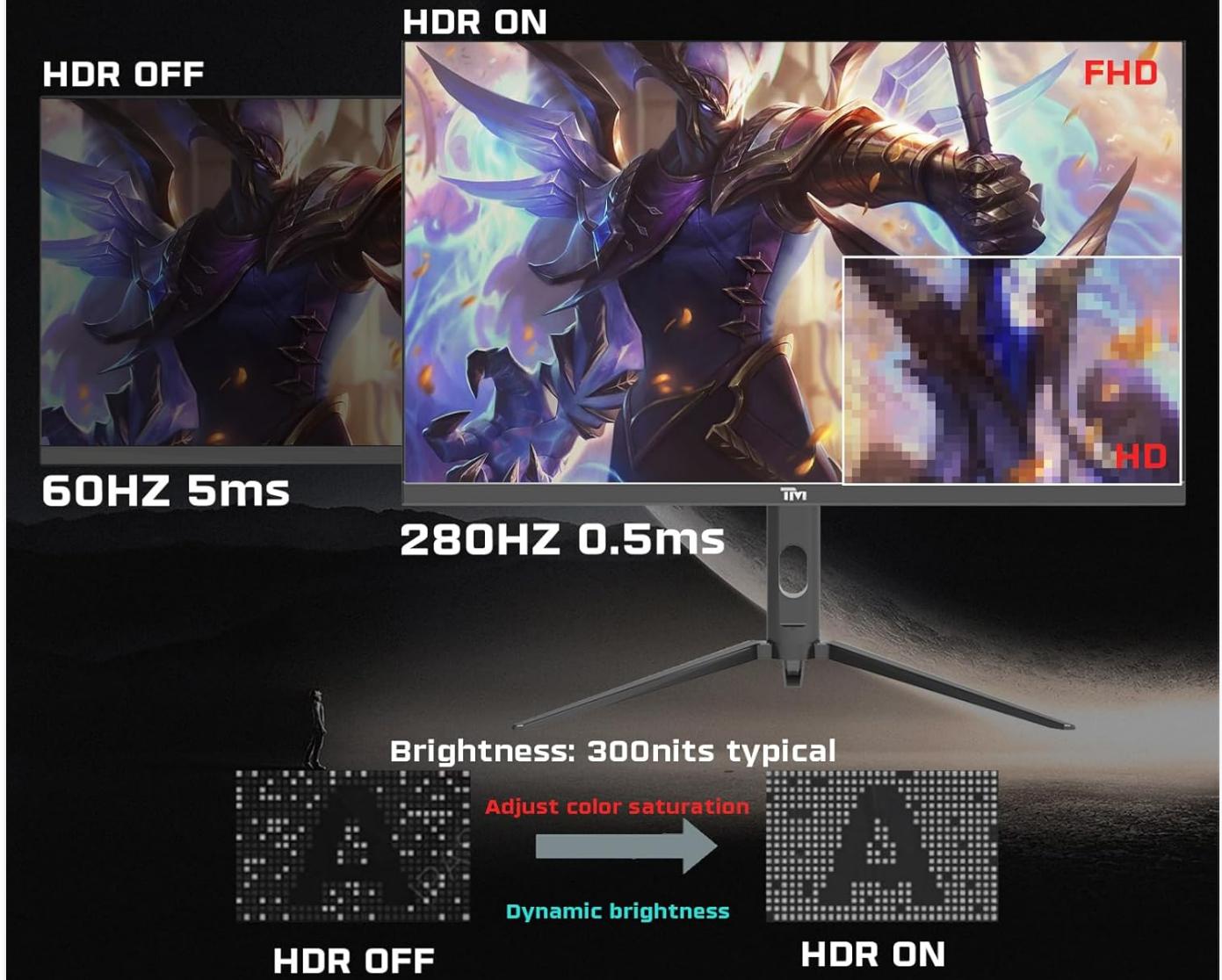
**Important Note on 280Hz:** The 280Hz refresh rate is typically achievable via DisplayPort 1.4 on a desktop PC with a compatible high-end GPU. Laptops may reach 280Hz if they have a DisplayPort output and a high-end GPU. With HDMI 2.1/2.0, the maximum refresh rate is 240Hz at 1080p. With HDMI 1.4, the maximum is 144Hz at 1080p. Gaming consoles like PS5/Xbox Series X/S typically support a maximum refresh rate of 120Hz.

## 4.4 High Dynamic Range (HDR)

The monitor supports HDR for enhanced contrast and color. When HDR is enabled, the monitor can adjust color and brightness for a more detailed and clear picture.

# FHD ULTRA-CLEAR DISPLAY

When HDR is on, it can adjust color of monitor, the picture is more clear, you will not neglect any details



**Image:** A visual comparison demonstrating the difference between HDR OFF (60Hz 5ms) and HDR ON (280Hz 0.5ms) modes. The HDR ON side shows significantly clearer and more vibrant details, illustrating how HDR adjusts color and dynamic brightness for an ultra-clear display.

## 4.5 Visual Quality and Color

The Fast IPS panel delivers vibrant colors and wide viewing angles. It supports 16.7 million colors, 72% NTSC color gamut, 8-bit color depth, and a 1000:1 static contrast ratio for brilliant and true-to-life visuals.

# Brilliant Visuals & Vivid True Colors



16.7M  
Color Support



72% NTSC  
Color Gamut



8 Bit  
Color Depth



1000 : 1  
Contrast Ratio Static



**Image:** The monitor screen displaying a colorful scene, accompanied by key visual specifications: 16.7 million color support, 72% NTSC color gamut, 8-bit color depth, and a 1000:1 static contrast ratio, highlighting its capability for brilliant and vivid true colors.

## 4.6 Ergonomics and RGB Lighting

The monitor stand offers adjustable viewing angles to suit your comfort. It features tilt, swivel, and height adjustment. The monitor also includes colorful RGB lights on the rear panel.

# COMFORTABLE VIEWING ANGLES

Adjustable from multiple angles to better suit your computer desk



Vertical angle : Right 90°±2°

TILT-5°-20°

Lifting: 105mm ±2mm



left:30°±2°; Right:30°±2°



Colorful RGB lights

**Image:** Diagrams illustrating the monitor's ergonomic adjustments, including vertical angle (90°±2°), tilt (-5° to 20°), and swivel (left 30°±2°, right 30°±2°). It also shows the height adjustment range (105mm ±2mm) and a rear view highlighting the colorful RGB lighting.

## 5. MAINTENANCE

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, dampen the cloth slightly with water or a screen-cleaning solution. Do not spray liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor casing. Avoid abrasive cleaners.
- **Storage:** If storing the monitor for an extended period, disconnect it from power and store it in a cool, dry place, preferably in its original packaging.

## 6. TROUBLESHOOTING

### 6.1 No Power / No Display

- Ensure the power cable is securely connected to both the monitor and the power outlet.

- Verify the power adapter is functioning correctly.
- Check if the monitor's power indicator light is on.

## 6.2 No Signal

- Confirm the video cable (DisplayPort or HDMI) is securely connected to both the monitor and your device.
- Ensure the correct input source is selected in the monitor's OSD menu.
- Test with a different video cable or device if possible.

## 6.3 Refresh Rate Issues (Not Reaching 280Hz)

If you are experiencing issues reaching the advertised refresh rate, consider the following:

**TWISTED MINDS**

# Having Trouble Exceeding 240Hz on Your High-End PC?

Try these quick fixes:

- Enable FreeSync in monitor settings.
- NVIDIA Control Panel Change Resolution Select refresh rate.
- If missing, set refresh rate in Windows Display Settings.

If the issue still persists on a PC with a high-end GPU, please contact us or send the unit for inspection.

**Image:** A visual guide for troubleshooting refresh rate issues on a high-end PC. It suggests enabling FreeSync in monitor settings, adjusting the refresh rate in NVIDIA Control Panel, and setting the refresh rate in Windows Display Settings if it's missing.

- **Cable Type:** Ensure you are using a DisplayPort 1.4 cable for 280Hz. HDMI 2.1 supports up to 240Hz at 1080p, and HDMI 1.4 supports up to 144Hz at 1080p.

- **Graphics Card:** Your PC's graphics card must support DisplayPort 1.4 and be capable of outputting 280Hz at 1080p.
- **Operating System Settings:**

1. **Enable FreeSync:** Check your monitor's OSD settings to ensure Adaptive Sync (FreeSync) is enabled.
2. **NVIDIA Control Panel / AMD Radeon Software:** For NVIDIA GPUs, open the NVIDIA Control Panel, navigate to "Change resolution," and select the desired refresh rate. For AMD GPUs, use AMD Radeon Software.
3. **Windows Display Settings:** Go to Display Settings > Advanced display settings > Display adapter properties for Display 1 (or your monitor) > Monitor tab, and select the highest available refresh rate.

- **Laptop/Console Limitations:** Laptops require a DisplayPort output and a high-end GPU. Gaming consoles (PS5/Xbox Series X/S) are typically limited to 120Hz.

If the issue persists on a PC with a high-end GPU after trying these steps, please contact customer support.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	TM27FHD280IPS
Screen Size	27 Inches
Panel Type	Fast IPS
Resolution	1920 x 1080 (FHD)
Refresh Rate	280Hz (Max)
Response Time	0.5ms
Aspect Ratio	16:9
Contrast Ratio	1000:1 (Static)
Color Support	16.7 Million (8-bit)
Color Gamut	72% NTSC
Brightness	300 nits (Typical)
Connectivity	2x HDMI 2.1, 2x DisplayPort 1.4, 1x Audio Out
Features	Adaptive Sync, HDR, Anti-glare, Built-in speakers, Anti-flicker, Blue Light Filter
VESA Mount	100x100mm
Dimensions (L x W x H)	67.5 x 13.6 x 44 cm (with stand)
Weight	6.95 kg (with stand)
Voltage	220 Volts

## 8. WARRANTY AND SUPPORT

Your Twisted Minds monitor comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official Twisted Minds website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or service inquiries, please contact Twisted Minds customer support through their official channels. Provide your monitor's model number (TM27FHD280IPS) and serial number when seeking support.

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