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Samsung LF24T454FQNXGO

Samsung FT45 Series 24-Inch FHD 1080p Computer Monitor

MODEL: LF24T454FQNXGO

Instruction Manual

1. Product Overview

The Samsung FT45 Series monitor is designed for business and general computing, offering a 24-inch Full HD (1080p) display with a 75Hz refresh rate and an IPS panel. This monitor provides impressive picture quality with vibrant color reproduction and clear text, even at wide viewing angles of 178 degrees. Its ultra-thin bezels facilitate seamless multi-monitor setups.

Key features include:

- **IPS Panel:** Delivers premium picture quality with vibrant colors and wide viewing angles.
- **Ultra-Thin Bezels:** Maximizes screen space and enhances multi-monitor configurations.
- **Versatile Connectivity:** Equipped with 2 HDMI ports, 1 DisplayPort, and a 2-port USB hub for connecting multiple devices.
- **Ergonomic Stand:** Fully adjustable stand allows for height, tilt, swivel, and pivot adjustments for optimal viewing comfort. VESA compatibility is also included for alternative mounting options.
- **Eye Comfort Features:** Includes Eye Saver Mode to reduce blue light emissions and Flicker Free technology to minimize screen flickering, enhancing viewing comfort during extended use.



Figure 1: Front view of the Samsung FT45 Series 24-inch monitor.

2. Package Contents

Upon unpacking, please ensure all the following items are present:

- Samsung FT45 Series 24-Inch Monitor
- Monitor Stand (Base and Neck)
- Power Cable
- HDMI Cable
- DisplayPort Cable
- USB Upstream Cable (for USB hub functionality)
- Quick Setup Guide / User Manual (this document)

3. Setup and Assembly

3.1 Attaching the Stand

Carefully place the monitor face down on a soft, clean surface to prevent scratches. Attach the stand neck to the back of the monitor, ensuring it clicks securely into place. Then, attach the stand base to the neck, typically by tightening a screw from underneath the base.

VESA-compatible

Tailored to your use



Figure 2: The monitor stand allows for various adjustments and is VESA-compatible.

3.2 Connecting Cables

Connect the necessary cables to the corresponding ports on the back of the monitor and your computer:

- **Power Cable:** Connect one end to the monitor's power input and the other to a power outlet.
- **Video Cable (HDMI or DisplayPort):** Connect one end of an HDMI or DisplayPort cable to the monitor and the other end to your computer's video output port. The monitor supports two HDMI inputs and one DisplayPort input.
- **USB Upstream Cable:** To enable the monitor's USB hub, connect the square-shaped USB upstream cable from the monitor to a USB port on your computer.
- **USB Downstream Ports:** Use the two USB-A ports on the monitor to connect peripherals like keyboards, mice, or USB drives.
- **Audio Ports:** The monitor includes audio in and audio out ports for connecting external speakers or headphones, or for routing audio from your computer through the monitor.



1 SERVICE **2** USB **3** DP IN **4** HDMI IN 1 **5** HDMI IN 2 **6** PC IN

Figure 3: Rear view of the monitor with labeled ports for connectivity.



Figure 4: Close-up of the DisplayPort and HDMI input ports.



Figure 5: Close-up of the USB hub and audio ports.

4. Operating Instructions

4.1 Power On/Off

Press the power button, usually located on the bottom right bezel or rear of the monitor, to turn the display on or off. An LED indicator will typically show the power status.

4.2 Adjusting Display Settings

The monitor features an On-Screen Display (OSD) menu, accessible via buttons on the bottom bezel. Use these buttons to navigate and adjust settings such as brightness, contrast, color temperature, input source, and activate special features like:

- **Eye Saver Mode:** Reduces blue light emissions to minimize eye strain during prolonged viewing.
- **Flicker Free:** Eliminates screen flickering at all brightness levels for enhanced visual comfort.

4.3 Ergonomic Adjustments

The monitor's stand allows for flexible positioning to suit your ergonomic needs:

- **Height Adjustment:** Raise or lower the monitor to align the top of the screen with your eye level.
- **Tilt:** Adjust the screen's vertical angle (up or down) to reduce glare and improve viewing comfort.
- **Swivel:** Rotate the monitor horizontally (left or right) on its base.
- **Pivot:** Rotate the screen 90 degrees to switch between landscape and portrait orientations.

5. Maintenance

To ensure the longevity and optimal performance of your monitor, follow these maintenance guidelines:

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn smudges, lightly dampen the cloth with water or a specialized screen cleaner (avoid harsh chemicals).
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor's casing.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Power Off When Not in Use:** Turn off the monitor when not in use for extended periods to save energy and prolong its lifespan.

6. Troubleshooting

If you encounter issues with your monitor, refer to the following common troubleshooting steps:

- **No Power:** Check if the power cable is securely connected to both the monitor and the power outlet. Ensure the power outlet is functional.
- **No Signal:** Verify that the video cable (HDMI or DisplayPort) is correctly connected to both the monitor and your computer. Ensure the correct input source is selected in the monitor's OSD menu.
- **Flickering Screen:** Activate the Flicker Free feature in the OSD menu. Check for loose cable connections.
- **Image Quality Issues:** Adjust brightness, contrast, and color settings via the OSD menu. Ensure your computer's display resolution matches the monitor's native resolution (1920x1080).
- **USB Ports Not Working:** Ensure the USB upstream cable is connected from the monitor to your computer. Check your computer's device manager for any USB driver issues.

For more complex issues, please consult the full user manual available on the Samsung support website or contact Samsung customer service.

7. Specifications

Feature	Specification
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Feature	Specification
Brand	Samsung
Model Number	LF24T454FQNXGO
Screen Size	24 Inches
Screen Resolution	1920x1080 (FHD 1080p)
Max Screen Resolution	1920 x 1080 Pixels
Refresh Rate	75Hz
Panel Type	IPS
Aspect Ratio	16:9
Connectivity	2 x HDMI, 1 x DisplayPort, 2 x USB 2.0 Ports (Hub)
Ergonomics	Height Adjustable, Tilt, Swivel, Pivot, VESA Compatible
Color	Black
Item Weight	8.8 pounds
Product Dimensions	21.2 x 8.8 x 14.6 inches
Voltage	110 Volts

8. Warranty and Support

This Samsung monitor typically comes with a 3-year manufacturer's warranty, covering defects in materials and workmanship under normal use. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Samsung support website.

For technical support, troubleshooting assistance, or to register your product, please visit the [Samsung Support Website](#) or contact their customer service line.