

Samsung 930B

Samsung SyncMaster 930B 19-inch TFT LCD Flat-Panel Monitor

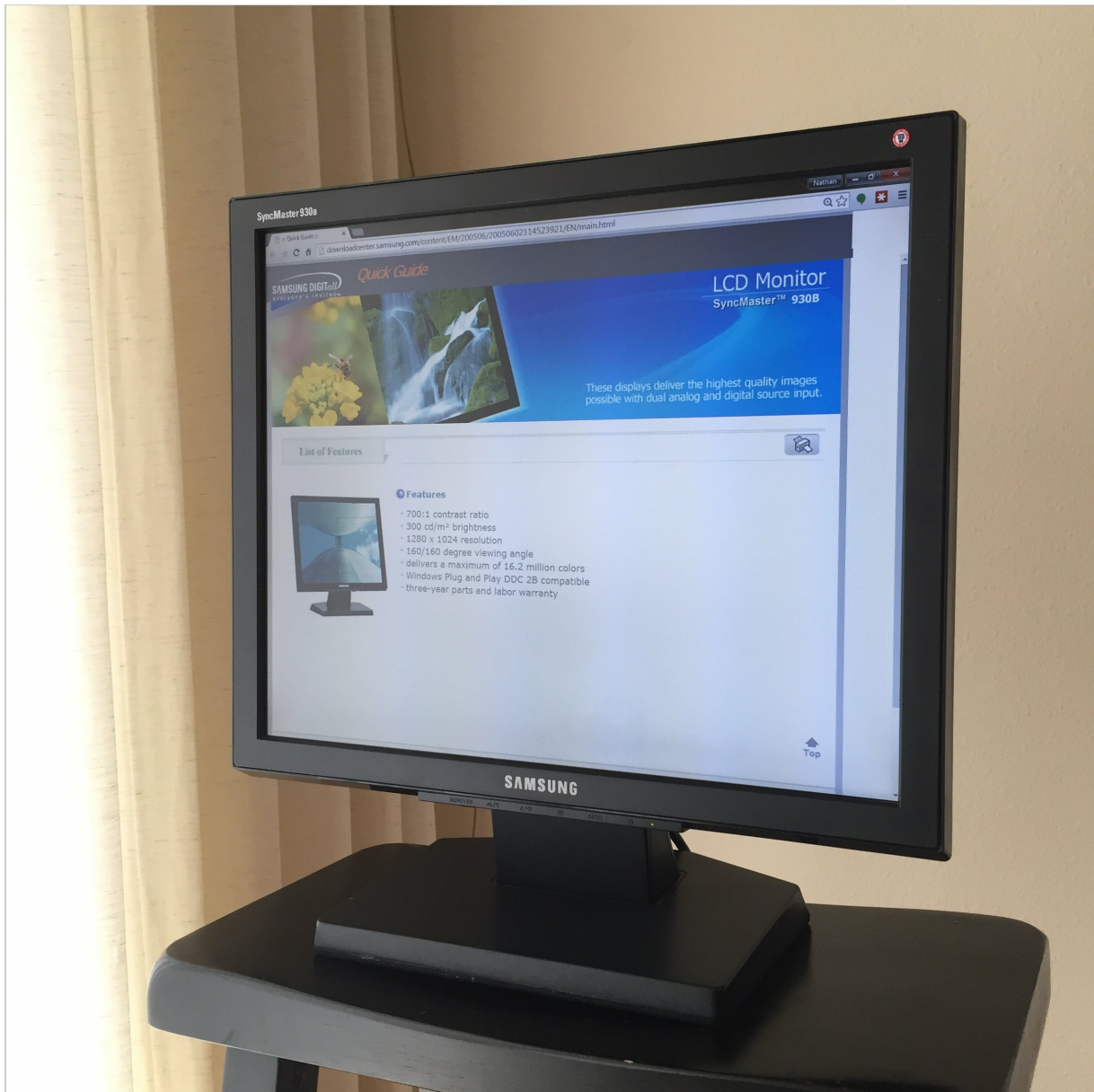
USER MANUAL

1. Introduction

The Samsung SyncMaster 930B is a 19-inch TFT-LCD monitor designed for displaying crisp text and vivid colors. It supports both analog (D-Sub) and digital (DVI-D) video inputs, offering flexibility for various computer systems. This monitor features a 1280 x 1024 resolution, a 700:1 contrast ratio, and a brightness of 300 cd/m², providing a clear viewing experience. This manual provides instructions for setting up, operating, maintaining, and troubleshooting your monitor.

What's in the Box

- Samsung SyncMaster 930B Monitor
- Monitor Stand
- D-Sub (VGA) Cable
- Power Cord
- User's Guide (on CD)
- Warranty and Registration Card



This image displays the front view of the Samsung SyncMaster 930B monitor, showcasing its 19-inch flat-panel screen and stand.

2. Setup

2.1 Unpacking

Carefully remove the monitor and all accessories from the packaging. Retain the packaging materials for future transport or storage.

2.2 Stand Assembly

1. Place the monitor face down on a soft, clean cloth to prevent scratching the screen.
2. Align the stand base with the monitor's neck and secure it according to the illustrations in the detailed user guide (on CD).
3. Ensure the stand is firmly attached before placing the monitor upright.

2.3 Connecting Cables

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

- **Video Cable Connection:** Connect either the D-Sub (VGA) cable or the DVI-D cable from your

computer's graphics card to the corresponding input port on the back of the monitor. The DVI-D connection provides a sharper, cleaner digital image.

- **Power Cable Connection:** Connect the power cord to the monitor's power input, then plug the other end into a grounded electrical outlet.

2.4 Initial Power On

1. Power on your computer.
2. Press the power button on the front of the monitor. The monitor should automatically detect the input signal.
3. If no image appears, verify all cable connections and ensure the correct input source is selected (see Section 3.4).

3. Operating

3.1 Control Buttons

The monitor's control buttons are typically located on the front or bottom bezel. These buttons allow you to access the On-Screen Display (OSD) menu and adjust various settings.

- **Power Button:** Turns the monitor on or off.
- **Menu Button:** Opens the OSD menu.
- **Up/Down (or Arrow) Buttons:** Navigate through OSD menu options and adjust values.
- **Enter/Source Button:** Selects a menu option or switches between input sources (D-Sub/DVI).

3.2 On-Screen Display (OSD) Menu

Press the **Menu** button to open the OSD. Use the navigation buttons to select desired settings categories (e.g., Picture, Color, OSD Setup). Press **Enter** to access a category and adjust settings. Press **Menu** again to exit the OSD.

3.3 Picture Adjustments

Within the OSD, navigate to the 'Picture' or 'Image' section to adjust:

- **Brightness:** Controls the overall luminance of the screen.
- **Contrast:** Adjusts the difference between light and dark areas.
- **Sharpness:** Enhances or softens the edges of objects.
- **Color Temperature:** Changes the warmth or coolness of the colors.
- **MagicBright:** Selects preset picture modes for different viewing environments (e.g., Text, Internet, Entertain).

3.4 Input Source Selection

If you have connected both D-Sub and DVI-D cables, you may need to manually select the active input source. Use the **Source** button (often combined with the Enter button) to cycle through available inputs until your computer's display appears.

3.5 Auto Adjustment

For analog (D-Sub) connections, the monitor may have an 'Auto Adjustment' function. This feature automatically optimizes the screen position, phase, and clock settings for the incoming analog signal. Access this function via the OSD menu or a dedicated button if available.

4. Maintenance

4.1 Cleaning the Monitor

- **Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a specialized screen cleaner. Do not spray liquid directly onto the screen.
- **Casing:** Wipe the monitor casing with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

4.2 Safety Precautions

- Do not block ventilation openings on the monitor.
- Avoid exposing the monitor to excessive heat, humidity, or direct sunlight.
- Do not attempt to service the monitor yourself. Refer all servicing to qualified personnel.
- Disconnect the power cord from the outlet before cleaning or if the monitor will be unused for an extended period.

5. Troubleshooting

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

- **No Power:**
 - Ensure the power cord is securely connected to both the monitor and a working electrical outlet.
 - Check if the power indicator light on the monitor is on.
- **No Image on Screen:**
 - Verify that the video cable (D-Sub or DVI-D) is securely connected to both the monitor and the computer's graphics card.
 - Ensure the computer is powered on and not in sleep mode.
 - Use the monitor's **Source** button to select the correct input (D-Sub or DVI).
- **Poor Image Quality (Blurry, Flickering, Incorrect Colors):**
 - For analog (D-Sub) connections, perform an 'Auto Adjustment' via the OSD menu.
 - Ensure your computer's display resolution is set to the monitor's native resolution (1280 x 1024).
 - Check the video cable for damage or loose connections.
 - Adjust Brightness, Contrast, and Color settings in the OSD.
- **Monitor Controls Not Responding:**
 - Power off the monitor, unplug it from the wall, wait 30 seconds, then plug it back in and power on.

For more detailed troubleshooting or persistent issues, refer to the complete user guide on the included CD or contact Samsung customer support.

6. Specifications

Feature	Specification
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Feature	Specification
Screen Size	19 Inches (diagonal)
Panel Type	TFT LCD Flat-Panel
Native Resolution	1280 x 1024
Aspect Ratio	5:4
Brightness	300 cd/m2
Contrast Ratio	700:1
Response Time	8 ms
Viewing Angle (H/V)	160° / 160°
Pixel Pitch	0.294 mm
Input Connectors	15-pin D-Sub (VGA), DVI-D
Horizontal Frequency	30-81 kHz
Vertical Frequency	56-75 Hz
Color Support	16.2 Million Colors
Power Consumption	Not specified in provided data
Dimensions (with stand)	Approx. 20 x 19.5 x 5.7 inches (Package Dimensions)
Weight (with stand)	Approx. 14.67 pounds

7. Warranty and Support

7.1 Warranty Information

The Samsung SyncMaster 930B monitor is backed by a **three-year parts and labor warranty**, which includes coverage for the backlight. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

Toll-free, 24/7 customer support is available for the life of the display. For technical assistance, troubleshooting, or warranty service, please contact Samsung customer support. Refer to the warranty card or the official Samsung website for current contact information.