

AITEK SIGMA-MT151

AITEK SIGMA-MT151 15-inch Touchscreen LED Monitor User Manual

Model: SIGMA-MT151

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your AITEK SIGMA-MT151 15-inch Touchscreen LED Monitor. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

2. SAFETY INFORMATION

Observe the following safety precautions to ensure safe operation and to extend the life of your monitor:

- Do not expose the monitor to rain, moisture, or extreme temperatures.
- Avoid placing the monitor in direct sunlight or near heat sources.
- Use only the power adapter supplied with the monitor.
- Do not open the monitor casing. Refer all servicing to qualified personnel.
- Keep the monitor away from strong magnetic fields.
- Ensure proper ventilation around the monitor.
- Unplug the monitor from the power outlet before cleaning.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x AITEK SIGMA-MT151 Touchscreen Monitor
- 1x HDMI Cable
- 1x USB Cable

- 1x BNC Cable
- 1x Touch Stylus
- 1x Power Adapter
- 1x Instruction Manual (This document)

4. PRODUCT OVERVIEW

The AITEK SIGMA-MT151 is a 15-inch LED touchscreen monitor designed for versatile applications. It features a 10-point touch interface, HD resolution, and multiple connectivity options.

4.1 Front View



Figure 4.1: Front view of the AITEK SIGMA-MT151 monitor, showing the 15-inch display and the AITEK logo at the bottom center.

4.2 Rear View and Label



Figure 4.2: Rear view of the AITEK SIGMA-MT151 monitor, displaying the product label with model number (SIGMA-MT151) and EAN (3187062014101).

4.3 Connectivity Ports



Figure 4.3: Detailed view of the monitor's rear connectivity panel, showing ports for power, VGA, HDMI, AV (RCA), 3.5mm audio, USB, and BNC.

5. SETUP

5.1 Stand Assembly

The monitor typically comes with a pre-assembled stand. If not, attach the base to the monitor arm using the provided screws, ensuring it is securely fastened. The stand allows for height adjustment.

5.2 Connecting the Monitor

1. **Power Connection:** Connect the power adapter to the monitor's DC input port and then plug the adapter into a power outlet.
2. **Video Connection:**
 - For digital video and audio, connect an HDMI cable from your source device to the monitor's **HDMI** port.
 - For analog video, connect a VGA cable from your source device to the monitor's **VGA** port.
 - For composite video, connect AV (RCA) cables from your source device to the monitor's **AV** ports.
 - For security camera systems, connect a BNC cable from your source device to the monitor's **BNC** port.
3. **USB Touch Connection:** To enable touchscreen functionality, connect the supplied USB cable from the monitor's **USB** port to an available USB port on your computer.
4. **Audio Connection:** If using VGA or AV inputs, connect an audio cable from your source device's audio output to the monitor's **3.5mm Audio In** port. The monitor also has a **3.5mm Audio Out** port for headphones or external speakers.

Note: Ensure all connections are secure before powering on the monitor.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the power button located on the monitor's front or side panel to turn the monitor on or off. The power indicator light will illuminate when the monitor is on.

6.2 Input Source Selection

Use the OSD (On-Screen Display) menu buttons, typically located on the bottom or side of the monitor, to navigate and select the desired input source (VGA, AV, HDMI, BNC).

6.3 Touchscreen Operation

The monitor supports 10-point multi-touch. You can interact with the screen using your finger or the provided touch stylus. Ensure the USB touch cable is connected to your computer for touch functionality to work.

- **Calibration:** If touch response is inaccurate, refer to your operating system's display settings for touchscreen calibration.
- **Stylus Use:** The included stylus can provide more precise input for certain applications.

6.4 Adjusting Display Settings

Access the OSD menu using the physical buttons on the monitor to adjust settings such as:

- **Brightness:** Adjust the overall luminance of the screen.
- **Contrast:** Modify the difference between light and dark areas.
- **Color Temperature:** Change the color balance (e.g., warm, cool, user-defined).
- **Aspect Ratio:** Select between 4:3 or other available aspect ratios.
- **Volume:** Adjust audio output if using the monitor's internal speakers or audio out port.

7. MAINTENANCE

7.1 Cleaning the Monitor

- Always unplug the monitor before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using harsh chemicals, solvents, or abrasive materials.

7.2 General Care

- Protect the screen from sharp objects to prevent scratches.
- Avoid placing heavy objects on the monitor.
- Store the monitor in a cool, dry place if not in use for extended periods.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No image on screen	Monitor not powered on. Incorrect input source selected. Video cable not connected properly. Source device not outputting signal.	Ensure power adapter is connected and monitor is turned on. Select the correct input source via the OSD menu. Check video cable connections (HDMI, VGA, AV, BNC). Verify the source device is powered on and configured to output video.
Touchscreen not responding	USB touch cable not connected. Driver issue on the computer. Calibration required.	Ensure the USB cable is securely connected between the monitor and computer. For Plug and Play, no specific driver is usually needed, but check your OS for device recognition. Calibrate the touchscreen through your operating system's display settings.
No audio	Audio cable not connected (for VGA/AV). Volume too low or muted. Incorrect audio output selected on source device.	Connect a 3.5mm audio cable if using VGA or AV input. HDMI carries audio automatically. Adjust volume via OSD menu and source device. Ensure your computer or source device is set to output audio to the monitor.

If the problem persists after trying these solutions, contact customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	AITEK
Model	SIGMA-MT151
Screen Size	15 inches
Display Type	LED Touchscreen
Resolution	1024 x 768 pixels (HD)
Aspect Ratio	4:3
Refresh Rate	60Hz
Brightness	300 cd/m²
Dynamic Contrast Ratio	1000:1
Response Time	5ms
Viewing Angle	135°
Touch Method	Finger or specialized stylus
Touch Points	10 points
Driver	Plug and Play
Inputs	VGA, AV, HDMI, USB, 3.5mm Audio In, BNC
Audio Output	3.5mm Headphone Jack
Input Voltage	AC 110-240V
Total Power	35W
Operating Temperature	0 to 50°C
Operating Humidity	80% RH
Storage Humidity	10 to 90% RH
Dimensions (H x W x D)	20 x 35 x 36 cm (approx.)
Weight	2.97 kg (approx.)

10. WARRANTY AND SUPPORT

Warranty Information: Specific warranty terms and conditions are typically provided with your purchase documentation or by the retailer. Please refer to these documents for details regarding your product's warranty period and coverage.

Customer Support: For technical assistance, service, or further inquiries, please contact your retailer or the official AITEK customer support channels. Keep your purchase receipt and product model number (SIGMA-MT151) ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question