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> XTRONS CM171AM 17.3 Inch Motorized Android Car Overhead Monitor User Manual

XTRONS CM171AM

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MODEL: CM171AM

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your XTRONS CM171AM 17.3 Inch Motorized Android Car Overhead Monitor. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.



Figure 1.1: XTRONS CM171AM Motorized Android Car Overhead Monitor. This image displays the monitor in its deployed state, showcasing the large screen and integrated ambient lighting.

2. Safety Information

Observe the following safety precautions to prevent damage to the unit and ensure safe operation:

- Ensure professional installation to avoid electrical damage or vehicle system interference.
- Do not attempt to disassemble or modify the unit. This may void the warranty and cause damage.
- Keep the unit away from water, moisture, and extreme temperatures.
- Clean the screen and unit exterior with a soft, dry cloth. Avoid abrasive cleaners.
- Operate the unit only when the vehicle is safely parked to avoid driver distraction.

3. What's in the Box

Verify that all components are present before beginning installation:

- 1 Motorized Car TV
- 1 Remote Control
- 1 Power Cable
- 1 User Manual
- 16 Screws



Figure 3.1: Contents of the XTRONS CM171AM package. This image illustrates the main unit, remote control, power cable, user manual, and screws.

4. Product Overview

The XTRONS CM171AM is a 17.3-inch motorized Android car overhead monitor designed for in-vehicle entertainment. It features an 8K FHD IPS screen, an Octa-Core processor, and multiple connectivity options.

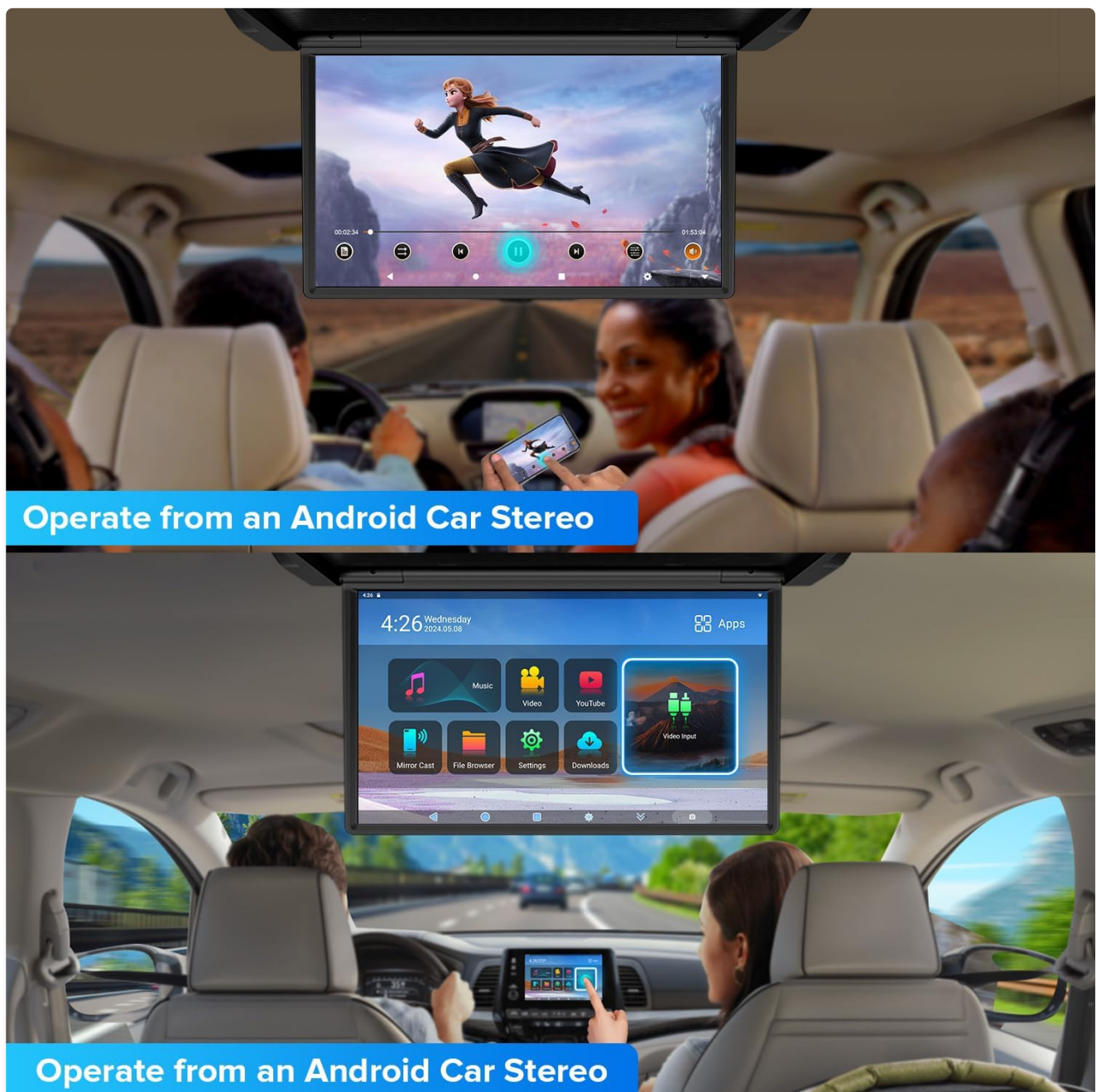


Figure 4.2: Detailed view of the 17.3-inch FHD IPS screen, highlighting 1920x1080 resolution, IPS technology, 8K video decoding, and HDR+ support for enhanced visual quality.

Size Comparison



Perfect Fit for Large Vehicles



Coach



Bus



Motor Home

Figure 4.3: Additional features including 7-color ambient lighting, built-in WiFi for constant connectivity, XTRONS custom user interface, integrated stereo speakers, Bluetooth audio transmission, and FM radio transmission capabilities.

5. Setup

5.1 Installation Steps

Follow these steps for proper installation of the overhead monitor:

1. **Install the bracket:** Securely attach the mounting bracket to the vehicle's roof. Ensure it is firmly fixed to the roof support structure.
2. **Fix the car roof player:** Mount the XTRONS CM171AM unit to the installed bracket using the provided screws.
3. **Connect the power cable:** Route the power cable and connect it according to the wiring diagram provided in Section 5.2.

Professional Packaging



Figure 5.1: Visual guide for the installation process, showing the bracket, roof support, headliner, car roof monitor, and screw placement.

5.2 Wiring Diagram

Refer to the diagram below for correct wiring connections:

Quality of XTRONS

XTRONS is committed to providing high quality products and outstanding customer service, by ensuring that we meet and exceed the following industry-specific regulations or standards from manufacturing to distribution.



High and Low Temperature Test between -20° and +80°



Verified In Car Test



8-hours Accelerated Aging Test



Electrostatic Test



Impact Test



1.2 Meters Drop Test

Figure 5.2: Wiring harness connections. Labels indicate B+, ACC, GND, Audio Right Output, Audio Left Output, Video Input, Audio Left Input, Audio Right Input, and HDMI.

- **1. B+:** Connect to constant 12V power.
- **2. ACC:** Connect to accessory 12V power (switched with ignition).
- **3. GND:** Connect to vehicle ground.
- **4. Audio Right Output:** Connect to external amplifier or speakers (Right channel).
- **5. Audio Left Output:** Connect to external amplifier or speakers (Left channel).
- **6. Video Input:** Connect to external video source.
- **7. Audio Left Input:** Connect to external audio source (Left channel).
- **8. Audio Right Input:** Connect to external audio source (Right channel).
- **9. HDMI:** Connect to HDMI compatible devices for digital audio/video input.

6. Operating Instructions

6.1 Basic Operation

The monitor can be controlled via the touch-button interface on the unit or the included remote control.

- **Power On/Off:** Press the power button on the unit or remote.
- **Screen Fold/Unfold:** Use the dedicated buttons on the unit or remote to automatically fold or unfold the screen.
- **Adjust Viewing Angle:** The screen can be adjusted from 0° to 140° using the control panel or remote to achieve an optimal viewing angle.



Figure 6.1: Control options for the XTRONS CM171AM, showing the integrated control panel on the unit and the handheld remote control for opening, closing, and adjusting the screen angle.

6.2 Android System and Apps

The unit runs on an Android operating system, allowing access to various applications.

- **Navigation:** Use the touch screen or remote to navigate the Android interface.
- **App Access:** Pre-installed apps like Netflix, YouTube, and Amazon Music are available. Additional apps can be downloaded from the Play Store.
- **Wi-Fi Connectivity:** Connect to a Wi-Fi hotspot (e.g., from a smartphone or in-car Wi-Fi) to access online content and app updates.
- **Screen Mirroring:** Mirror content from compatible iOS or Android devices to the monitor.



Figure 6.2: The Android operating system interface displaying various applications and media options. The monitor can also be operated from an Android car stereo or other Android devices.

6.3 Media Playback and Inputs

The monitor supports various media sources:

- **USB/SD Card:** Insert a USB drive or SD card into the designated slots for local media playback. Supported formats include MP4, AVI, MKV, WMV, MPG, MPEG, MOV, RM, RMVB, DAT, FLV, 3GP.

- **HDMI Input:** Connect external devices such as gaming consoles, smartphones, or other media players via the HDMI port.
- **AV Input:** Connect legacy devices using the composite AV input.



Figure 6.3: Available input ports on the XTRONS CM171AM, including HDMI, USB, SD card slot, and AV input for connecting various external media sources.

6.4 Audio Output Options

Enjoy audio through several methods:

- **Built-in Stereo Speakers:** Direct audio output from the monitor.
- **Bluetooth Headphones:** Pair Bluetooth headphones for private listening.
- **FM Radio Transmission:** Transmit audio to your vehicle's FM radio for playback through the car's sound system.

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your monitor.

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Do not spray liquid directly onto the screen.
- **Cleaning the Unit:** Wipe the exterior of the unit with a soft, dry cloth. Avoid using harsh chemicals or solvents.
- **Software Updates:** Periodically check for system updates through the Android settings to ensure the latest features and security patches.
- **Cable Connections:** Ensure all cables are securely connected and free from damage.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Unit does not power on	No power supply; incorrect wiring	Check power cable connections (B+, ACC, GND). Verify vehicle's fuse.
No video output	Incorrect input source selected; faulty cable; no signal from source	Ensure correct input source is selected. Check HDMI/AV cable connections. Verify external device is powered on and outputting signal.
No audio output	Volume too low; incorrect audio output selected; faulty connection	Increase volume. Check if audio is routed to built-in speakers, Bluetooth, or FM transmitter. Verify external audio connections if applicable.
Screen not folding/unfolding	Obstruction; motor issue; power issue	Check for any physical obstructions. Ensure unit has stable power. If issue persists, contact support.
Wi-Fi connection unstable	Weak signal; incorrect password	Move closer to the Wi-Fi source. Re-enter Wi-Fi password. Restart the unit and Wi-Fi hotspot.

9. Specifications

Feature	Specification
Model Number	CM171AM

Feature	Specification
Screen Size	17.3 Inches
Display Type	LED IPS
Resolution	1920 x 1080 (FHD)
Video Decoding	Up to 8K
Processor	12nm Octa-Core
RAM	2GB
ROM	32GB
Operating System	Android
Connectivity	Wi-Fi, Bluetooth
Inputs	HDMI, USB, SD, AV
Audio Output	Built-in Stereo Speakers, Bluetooth, FM Transmission
Item Weight	10.43 pounds
Package Dimensions	21.25 x 14.75 x 5 inches

10. Warranty and Support

XTRONS products are designed for reliability and performance. This product is covered by a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, troubleshooting assistance, or warranty claims, please contact XTRONS customer service. You can typically find contact information on the official XTRONS website or through your point of purchase.

Have any questions about XTRONS products? Contact us!

STEP 1

In Stock

Quantity: 1

[Add to Cart](#)

[Buy Now](#)

Ships from **Amazon**

Sold by **Xtrons**

[Returns](#)

[Payment](#)

[Secure transaction](#)

[See more](#)

STEP 2

Xtrons

Visit the Xtrons storefront

★★★★☆ | 95% positive in the last 12 months (63 ratings)

Have a question for Xtrons?

[Ask a question](#)

About Seller

About UG ELECTRONICS LTD. & XTRONS®

If you are looking for in-car entertainment products, car accessories, and car electronics, we can help.

We have developed a company that listened to what the public wanted from an in-car entertainment product provider. We offer great products for realistic prices all with great customer service.

As you would expect, all of our items work not only with all major manufacturers but also with modern media applications. Our developers work alongside our design te...

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Have a question for Xtrons?

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Responses may be delayed due to holidays.

Figure 10.1: Example of how to contact XTRONS for support, typically through the seller's page on the retail platform.

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Email

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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.

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