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XTRONS CM173HD

XTRONS 17.3 Inch FHD Digital TFT Screen Car Overhead Monitor

MODEL: CM173HD*User Manual*

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your XTRONS CM173HD 17.3-inch Full HD 1080P Car Overhead Monitor. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

The XTRONS CM173HD is designed to provide high-quality video entertainment for vehicle passengers, featuring a large 17.3-inch screen with 1920x1080 resolution, multiple input options, and flexible audio output capabilities.



Image 1.1: XTRONS CM173HD Overhead Monitor and Remote Control

2. Safety Information

- **Professional Installation Recommended:** Installation of this product requires technical knowledge and experience with vehicle electrical systems. It is highly recommended to have the unit installed by a qualified professional.
- **Power Supply:** Ensure the unit is connected to a 12V DC power supply. Incorrect voltage can damage the device.
- **Wiring:** Carefully follow the wiring diagram. Incorrect wiring can lead to malfunction, electrical short circuits, or fire.
- **Mounting:** Securely mount the unit to prevent it from dislodging during vehicle movement, which could cause injury.
- **Operating Temperature:** Do not expose the unit to extreme temperatures outside its specified operating range.
- **Moisture:** Keep the unit dry and away from moisture to prevent electrical hazards.
- **Cleaning:** Use a soft, dry cloth for cleaning. Avoid abrasive cleaners or solvents.

3. Package Contents

Verify that all items are present in the package:

- 1 x XTRONS CM173HD Overhead Monitor
- 1 x Remote Control
- 6 x Mounting Nuts
- 1 x User Manual

Size



Accessories



1 x Remote Control

6 x Nuts

1 x User Manual

Image 3.1: Package Contents

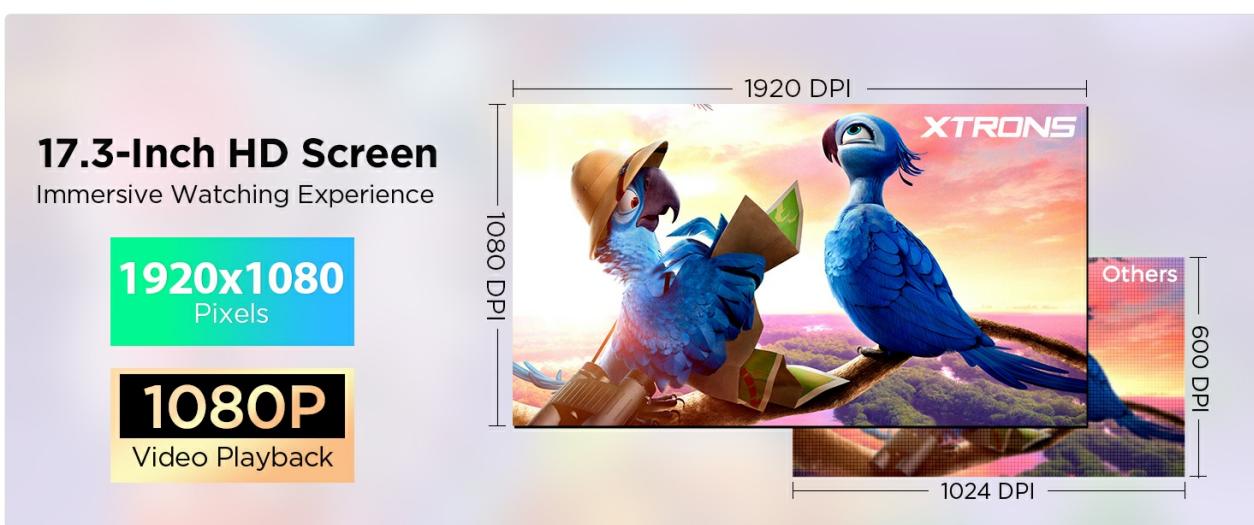
4. Product Features

- 17.3-inch Full HD Display:** A large 17.3-inch screen with 1920x1080 resolution for clear and vibrant visuals.
- Built-in HDMI Port:** Connect external devices such as smartphones, game consoles, or digital TV boxes via HDMI.
- 130-Degree Rotatable Screen:** Adjust the viewing angle for optimal comfort for all passengers.
- Blue Atmospheric LED Light Bar:** Integrated LED lighting for ambient illumination.
- Positive and Negative Door Control:** The LED lights can automatically turn on/off with the vehicle's door status.
- Sleek and Elegant Touch Panel:** Intuitive touch-sensitive buttons for easy control.
- Built-in Stereo Speakers:** Direct audio output from the monitor.
- Multiple Sound Output Options:** Includes built-in FM transmitter and IR transmitter for wireless headphone connectivity (headphones not included).
- Dual AV Input Channels:** Connect up to two external AV sources for versatile entertainment options.
- USB and SD Card Support:** Play media files directly from USB drives and SD cards.

- **Digital Media File Compatibility:** Supports various formats including MOV, MP4, FLAC, WMV, WMA, AVI, MKV.
- **Wireless Screen Mirroring:** Compatible with Android and iOS devices using optional XTRONS HDT V05 accessory (sold separately).



Image 4.1: Key Product Features



5. Setup

5.1 Installation Considerations

Before beginning installation, ensure the vehicle's battery is disconnected. Professional installation is strongly recommended due to the complexity of vehicle electrical systems and the need for secure mounting. Consider the optimal placement for viewing and accessibility.

5.2 Wiring Diagram

Refer to the following diagram for correct wiring connections. Incorrect wiring can cause damage to the unit or vehicle.

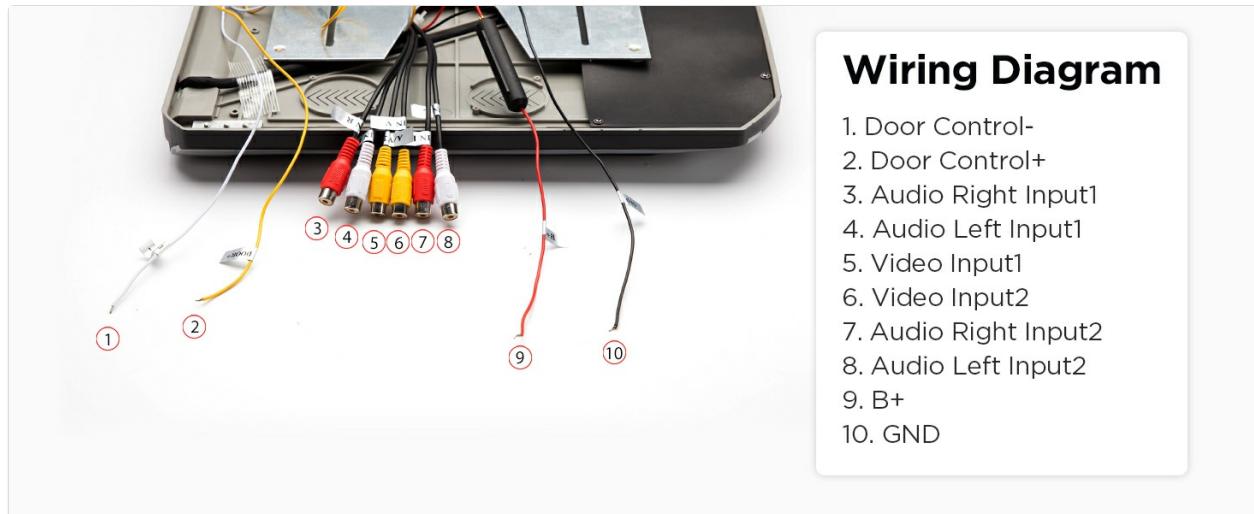


Image 5.1: Wiring Diagram

1. **Door Control-:** Connect to the negative door trigger wire of your vehicle.
2. **Door Control+:** Connect to the positive door trigger wire of your vehicle.
3. **Audio Right Input 1:** Right channel audio input for AV source 1.
4. **Audio Left Input 1:** Left channel audio input for AV source 1.
5. **Video Input 1:** Video input for AV source 1.
6. **Video Input 2:** Video input for AV source 2.
7. **Audio Right Input 2:** Right channel audio input for AV source 2.
8. **Audio Left Input 2:** Left channel audio input for AV source 2.
9. **B+:** Connect to the vehicle's constant 12V power supply.
10. **GND:** Connect to the vehicle's ground point.

5.3 Mounting

The unit is designed for roof mounting. After identifying a suitable location, use the provided mounting nuts to securely fasten the monitor to the vehicle's ceiling structure. Ensure the mounting area is strong enough to support the unit's weight and that no critical wiring or components are obstructed or damaged during the process.

6. Operating Instructions

6.1 Power On/Off

Press the power button on the unit's touch panel or the remote control to turn the monitor on or off.

6.2 Source Selection

Use the 'Source' button on the touch panel or remote control to cycle through available input sources: HDMI, USB, SD, AV1, AV2.



Image 6.1: Dual AV Input Channels

6.3 Media Playback (USB/SD)

Insert a USB drive or SD card into the designated slot. The unit will automatically detect the media and display the file browser. Navigate through your files using the touch panel or remote control. Supported file systems for USB/SD are FAT32, with a maximum capacity of 32GB.



Image 6.2: Digital Media File Compatibility

6.4 Audio Output Options

- Built-in Speakers:** Audio will play directly from the monitor's integrated speakers.
- Built-in FM Transmitter:** Transmit audio to your vehicle's radio. Select an unused FM frequency on the monitor and tune your car radio to the same frequency. Available frequencies: 87.7, 88.1, 88.5, 88.9, 106.7, 107.1, 107.5, 107.9 MHz.
- Built-in IR Transmitter:** For use with wireless infrared headphones (XTRONS DWH005, DWH006 are compatible, sold separately). The IR transmitter supports dual channels (A & B).

Multiple Sound Output Options

Output audio from the overhead player directly.
Built-in Speakers

Other Car Stereo



Built-in IR Transmitter



IR headphones are not included.

Image 6.3: Multiple Sound Output Options

6.5 Screen Adjustment

The screen can be rotated up to 130 degrees to achieve the best viewing angle for passengers.

130° Rotatable Angle Comfort Viewing

The monitor can be opened up to an angle of 130° ensuring comfort viewing position for passengers and usability in the vehicle.



Image 6.4: 130 Degree Rotatable Screen

6.6 Door Control Light Function

If connected to your vehicle's door control wires, the blue atmospheric LED lights will automatically turn on when a door is opened and turn off when all doors are closed. This replaces your existing roof light function.

Blue Atmospheric LED Light Bar

Positive & Negative Door Control

If your car has either a positive or negative door control wire, the lights on this unit can be automatically turned on or off depending on the door status.

Open the door

Close the door

Note: The light of this unit will replace your existing roof light.

6.7 Touch Panel Controls

The sleek touch panel provides easy access to common functions:

- **Power Button:** Turns the unit on/off.
- **Source Button:** Cycles through input sources.
- **Volume Up/Down:** Adjusts the audio volume.
- **Play/Pause:** Controls media playback.
- **Next/Previous:** Skips tracks or navigates menus.



Image 6.6: Touch Panel Controls

6.8 Remote Control

The included remote control provides full functionality for operating the monitor from a distance, including power, source selection, volume, playback controls, and menu navigation.

6.9 Screen Mirroring (Optional)

To mirror your smartphone screen (Android or iOS) to the monitor, an optional XTRONS HDT V05 accessory is required. Connect the accessory to the monitor's HDMI input and follow the accessory's instructions for wireless connection.

Image 6.7: Wireless Screen Mirroring Setup

7. Maintenance

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn marks, slightly dampen the cloth with water or a screen-safe cleaning solution. Avoid spraying liquids directly onto the screen.
- **Cleaning the Unit Body:** Wipe the exterior of the unit with a soft, dry cloth. Do not use harsh chemicals, solvents, or abrasive cleaners.
- **Dust Removal:** Regularly remove dust from the unit's vents and surfaces to ensure proper heat dissipation.
- **Avoid Impact:** Protect the screen and unit from physical impact to prevent damage.

8. Troubleshooting

Problem	Possible Cause	Solution
No power	Loose power connection; Blown fuse; Vehicle battery low.	Check power cables and connections; Inspect and replace fuse if necessary; Check vehicle battery.
No image/signal	Incorrect source selected; Loose video cable connection; External device not powered on or malfunctioning.	Select the correct input source; Check all video cable connections; Ensure external device is working correctly.
No sound	Volume too low or muted; Incorrect audio output selected; Loose audio cable connection.	Increase volume and check mute status; Select desired audio output (speakers, FM, IR); Check audio cable connections.
USB/SD card not reading	Unsupported file format; Incorrect file system (not FAT32); Card capacity exceeds 32GB; Corrupted media.	Ensure media files are supported; Format USB/SD card to FAT32; Use a card with capacity 32GB or less; Try a different USB/SD card.
Remote control not working	Dead batteries; Obstruction between remote and unit; Remote sensor blocked.	Replace batteries; Remove any obstructions; Ensure remote sensor on unit is clear.

9. Specifications

Feature	Specification
Brand	XTRONS
Model	CM173HD
Screen Size	17.3 Inches
Display Type	LED
Resolution	1920 x 1080 (Full HD)
Aspect Ratio	16:9
Input Ports	HDMI, USB, SD, Dual AV Input
Audio Output	Built-in Speakers, FM Transmitter, IR Transmitter
Screen Rotation	Up to 130 degrees
Power Supply	12V DC
Item Weight	9.9 pounds (approx. 4.5 kg)
Product Dimensions	17.91 x 12.99 x 1.77 inches (455 x 330 x 45 mm)

Size & Accessories



Image 9.1: Product Dimensions

10. Warranty and Support

XTRONS products typically come with a manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official XTRONS website. For technical support, troubleshooting assistance, or any product-related inquiries, please contact XTRONS customer service. You can often find contact information or a support portal on the XTRONS official website:

- Official Website: www.xtrons.com
- UK Website: xtrons.co.uk

Alternatively, if purchased through a retailer like Amazon, you can contact the seller directly through the platform's messaging system.

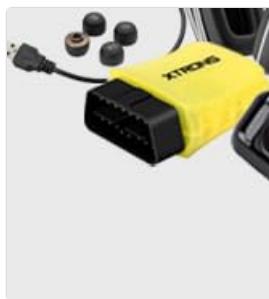


Image 10.1: How to Contact XTRONS Support

Related Documents - CM173HD

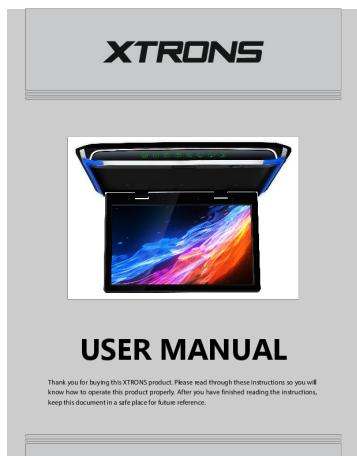


[XTRONS CR1506 Slim Series Multimedia Overhead Entertainment System User Manual](#)

User manual for the XTRONS CR1506 Slim Series multimedia overhead entertainment system. Covers features, operation, connection diagrams, remote control functions, and troubleshooting tips.

	<p>XTRONS User Manual: Car Infotainment System Guide</p> <p>Comprehensive user manual for the XTRONS car infotainment system, detailing features, installation precautions, safety information, and troubleshooting for models like DAB+, Radio, DVD, USB/SD, Bluetooth, Screen Mirroring, and Navigation.</p>
	<p>XTRONS User Manual - Portable Car Entertainment System</p> <p>Comprehensive user manual for the XTRONS portable car entertainment system. This guide provides detailed instructions on installation, operation, remote control usage, media playback, troubleshooting, and care of discs for your XTRONS device.</p>
 <p>USER MANUAL <small>This manual contains important information on the installation, use and care of your XTRONS PE Series Android 11 Car Stereo. Please read this manual carefully to get the most out of your product's awesome benefits and features, and make sure that you know how to safely and efficiently operate the extensive functions of your new product.</small></p>	<p>XTRONS PE Series Android 11 Car Stereo User Manual</p> <p>Official user manual for the XTRONS PE Series Android 11 Car Stereo. Covers installation, setup, basic operations, and advanced features including Radio, Navigation, Bluetooth, and more for optimal use.</p>
 <p>USER MANUAL <small>This manual contains important information on the installation, use and care of your Xtrons PE Series Android Car Stereo. Please read this manual carefully to get the most out of your product's awesome benefits and features, and make sure that you know how to safely and efficiently operate the extensive functions of your new product.</small></p>	<p>Xtrons PE Series Android Car Stereo User Manual</p> <p>Comprehensive user manual for the Xtrons PE Series Android Car Stereo, covering installation, basic operations, functions like radio, navigation, Bluetooth, multimedia, and troubleshooting.</p>
	<p>XTRONS Android Car Stereo User Manual</p> <p>Comprehensive user manual for XTRONS Android car stereos, covering installation precautions, features like Bluetooth, navigation, media playback, settings, and troubleshooting.</p>

Documents - XTRONS – CM173HD



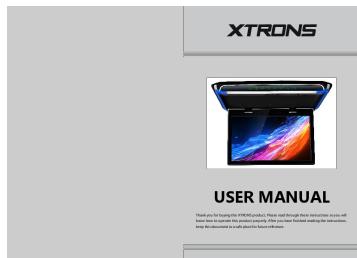
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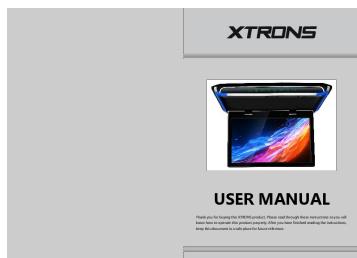


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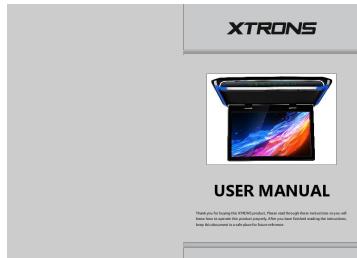


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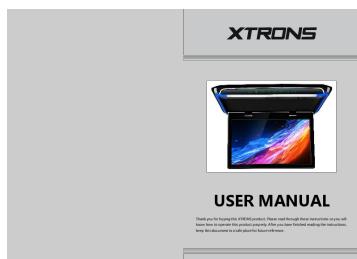
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USER MANUAL Xtrons Thank you for buying this XTRONS product Please read through these instructions so will know how to operate properly After have finished reading the keep document in a safe place future reference When connecting power and ground mobile video installation ensure that ACC wire is fused at point where it connected vehicle wiring Turn on car radio Tune FM frequency displayed screen such as 88 1 3 If no audio heard try changing transmitter An LCD panel or monitor used television Do not install does an circuitry available NOTE Features specifications listed manual are subject change without notice CM 136HD Car Roof Monitor User Manual xtrons community 2019 06

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