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XTRONS CM121HD

XTRONS CM121HD 12.1 Inch Car Overhead Player Roof Mounted Monitor HDMI Port User Manual

1. PRODUCT OVERVIEW

The XTRONS CM121HD is a 12.1-inch HD digital TFT screen car overhead player designed to provide in-car entertainment. This unit features a sleek, ultra-thin design and offers various connectivity options for media playback. It is equipped with an HDMI port, USB, and SD card slots, allowing for diverse entertainment sources. The monitor supports 1080p video playback and includes atmospheric LED lighting.



Image 1: The XTRONS CM121HD overhead monitor in a car interior, displaying a video game. This image illustrates the product's primary function as an entertainment display.

Video 1: An official XTRONS product overview video for the CM121HD. This video demonstrates the unit's sleek design, 1080p video capability, HDMI connectivity, soft-touch button panel, door control integration, atmospheric LED lights, and various media input options (USB, SD, Aux, IR, FM).

2. PRODUCT FEATURES

- **12.1" HD Digital TFT Screen:** Provides a clear and sharp visual experience with a 1280x800 resolution.
- **True 1080P Video Playback:** Supports smooth playback of full 1080p HD videos.
- **120° Max Open Angle:** The monitor can be opened up to 120 degrees for optimal viewing by passengers.
- **Built-in HDMI Port:** Allows integration with mobile entertainment devices for gaming and video sharing.
- **Expandable Media Choices:** Features USB, SD card, and Aux input for various entertainment options.
- **Ultra-Thin Design:** With a thickness of only 27mm when folded, it offers a discreet installation.
- **Blue Atmospheric LED Light Bar:** Integrated LED lights create an ambient atmosphere in the vehicle.
- **Supports Positive & Negative Door Control:** Lights can automatically turn on/off based on door status.
- **Variety of Sound Output Choices:** Includes built-in infrared transmitter for headphones and FM transmitter for car speakers.



Image 2: A visual summary of the XTRONS CM121HD's key features, including screen size, HDMI, rotation, video resolution, and door control.



120° Max Open Angle

The monitor can be opened up to an angle of 120° ensuring maximum viewing position for passengers and usability in the vehicle.



Image 3: The monitor demonstrating its 120-degree maximum open angle, providing flexible viewing positions for passengers.

3. SETUP AND INSTALLATION

Installation of the XTRONS CM121HD involves mounting the unit to the vehicle's roof and connecting the necessary power and signal cables. Professional installation is recommended to ensure proper wiring and secure mounting. The unit supports both positive and negative door control wiring, allowing the integrated LED lights to synchronize with the vehicle's door status.

3.1 Wiring Connections

- **Power:** Connect the power wires to the vehicle's electrical system according to the wiring diagram provided in the full user manual.
- **HDMI:** Use an HDMI cable (not included) to connect external devices like smartphones or gaming consoles.
- **USB:** Insert USB drives for media playback.
- **SD Card:** Insert SD cards for media playback.
- **Door Control:** Connect the door control wire to enable automatic light activation/deactivation with door opening/closing.



Image 4: A close-up view of the HDMI, USB, and SD card input ports on the XTRONS CM121HD, highlighting its versatile media connectivity.

HDMI

Built-in HDMI

Integrate Your Mobile Entertainment with the CM121HD

Thanks to the build-in HDMI port, now you can mirror your favourite high definition videos, exciting games and any applications on your smartphone to this beautiful 12.1 inch screen by cable or wirelessly. Let's turn the overhead monitor into a new entertainment centre now!



Wirelessly



* XTRONS HDTV05 is compatible with both
Android OS and iOS.
Need it, inquire with us now!

By Cable



* XTRONS HDMI01/02/03 are compatible.
Need it, inquire with us now!

*The monitor and HDTV05 should be within 2.5 meters of each other to ensure the best transmission.

Image 5: This diagram illustrates the flexibility of the built-in HDMI port, allowing both wired and wireless connections for mobile device integration.

4. OPERATING INSTRUCTIONS

The CM121HD features a soft-touch button panel for easy navigation and control. A remote control is also included for convenient operation from any seat in the vehicle.

4.1 Basic Operation

1. **Power On/Off:** Press the power button on the unit or remote control to turn the monitor on or off.
2. **Source Selection:** Use the 'Source' button to switch between HDMI, USB, SD, and AV inputs.
3. **Menu Navigation:** Use the directional buttons on the unit or remote to navigate through the on-screen display (OSD) menu for settings adjustments.
4. **Media Playback:** Once a media source (USB/SD) is selected, browse and play photos, music, or videos using the on-screen interface.

4.2 Sound Output Options

The unit offers multiple ways to output audio:

- **Infrared (IR) Transmitter:** For private listening, connect IR wireless headphones (e.g., XTRONS DWH005 and DWH006, sold separately).
- **FM Transmitter:** Broadcast audio to your car's FM radio, allowing sound to play through the vehicle's speakers.



Blue Atmospheric LED Light Bar

Equipped with high quality LED Light bars, you will enjoy a gorgeous lit atmosphere inside your vehicle at night.



Image 6: The XTRONS CM121HD in operation, showcasing its blue atmospheric LED light bars that enhance the vehicle's interior ambience during use.

5. MAINTENANCE

To ensure the longevity and optimal performance of your XTRONS CM121HD monitor, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Temperature:** Do not expose the unit to extreme temperatures or direct sunlight for extended periods.
- **Moisture:** Keep the unit dry and away from moisture.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating.

6. TROUBLESHOOTING

If you encounter issues with your XTRONS CM121HD, refer to the following common troubleshooting steps:

- **No Power:** Check all power connections. Ensure the vehicle's ignition is on if wired to an accessory power source.
- **No Signal:** Verify that the correct input source is selected. Check HDMI, USB, or AV cable connections for external devices.
- **No Audio:** Ensure the volume is not muted or set too low. Check FM transmitter settings if using car speakers, or IR headphone connection if applicable.
- **Picture Flickering/Distortion:** Check cable connections. Ensure the power supply is stable.
- **Remote Control Not Working:** Replace batteries in the remote control. Ensure there are no obstructions between the remote and the unit's IR receiver.

For persistent issues, consult the full product manual or contact XTRONS customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	XTRONS
Model	CM121HD
Screen Size	12.1 Inches
Display Type	LCD
Resolution	1280x800
Video Support	1080P HD
Connectivity	HDMI, USB, SD Card, AV Input
Sound Output	Built-in IR Transmitter, FM Transmitter
Special Features	120° Max Open Angle, Blue Atmospheric LED Light Bar, Positive & Negative Door Control
Item Weight	4.47 pounds

Product Dimensions	17.13 x 1.06 x 13.46 inches
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Size:



Image 7: A technical diagram illustrating the precise dimensions of the XTRONS CM121HD unit, both in its folded and open states, for installation planning.

8. WHAT'S IN THE Box

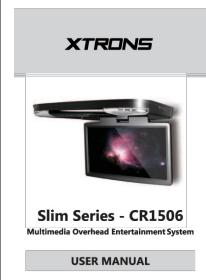
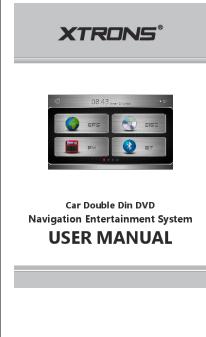
Upon opening the XTRONS CM121HD package, you should find the following items:

- 1 x XTRONS CM121HD Overhead Monitor Unit
- 1 x User Manual
- 1 x Remote Control
- 5 x Fixing Screws

9. WARRANTY AND SUPPORT

For warranty information, product registration, or technical assistance, please refer to the official XTRONS website or contact their customer support directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Related Documents - CM121HD

 <p>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>
 <p>XTRONS HD121THD User Manual - Installation, Operation, and Troubleshooting Guide Comprehensive user manual for the XTRONS HD121THD car monitor, detailing installation, operation, remote control functions, media playback (DVD, USB, SD, AV, HDMI), FM audio transmission, troubleshooting common issues, and disc handling guidelines.</p>
 <p>XTRONS HD928THD User Manual - Car Headrest Monitor Guide Comprehensive user manual for the XTRONS HD928THD car headrest monitor. Learn about installation, operation, remote control, troubleshooting, and disc care.</p>
 <p>XTRONS User Manual - Portable Car Entertainment System 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>XTRONS Car Double Din DVD Navigation Entertainment System User Manual Comprehensive user manual for the XTRONS Car Double Din DVD Navigation Entertainment System, covering features, operation, settings, troubleshooting, and system parameters.</p>
 <p>XTRONS User Manual: Car Multimedia System Guide Comprehensive user manual for XTRONS car multimedia systems, covering installation precautions, features like Radio, DVD, USB/SD, Bluetooth, Navigation, and troubleshooting.</p>