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› EMtronics 24 Inch 720p 12 Volt TV User Manual

## EMtronics EM24S12+12v

# EMtronics 24 Inch 720p 12 Volt TV User Manual

Model: EM24S12+12v

## 1. INTRODUCTION

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Thank you for purchasing the EMtronics 24-inch 720p 12 Volt TV. This television is designed for versatile use, including in motorhomes, caravans, RVs, and home setups, thanks to its 12V/24V compatibility. This manual provides essential information for the safe and efficient operation of your new television, covering setup, basic functions, maintenance, and troubleshooting.

## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before using the television. Retain this manual for future reference.

- Do not expose the TV to rain or moisture to prevent fire or electric shock.
- Ensure proper ventilation. Do not block ventilation openings.
- Only use power adapters and cables supplied or approved by EMtronics.
- Avoid placing the TV in direct sunlight or near heat sources.
- Clean the TV with a soft, dry cloth. Do not use liquid cleaners or aerosol cleaners.
- Do not attempt to service the TV yourself. Refer all servicing to qualified personnel.
- Keep batteries for the remote control out of reach of children.

## 3. WHAT'S IN THE BOX

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Carefully unpack the box and ensure all items are present:

- EMtronics 24 Inch 720p 12 Volt TV
- TV Stand
- Screws for Stand Assembly
- 3-pin Mains Power Plug
- 12V Power Plug (Car Adapter)
- Remote Control (2 AA batteries included)

## 4. PRODUCT OVERVIEW

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### 4.1. Front View



The front of the television features the 24-inch 720p HD Ready display. The EMtronics brand logo is located at the bottom center of the bezel.

### 4.2. Rear View and Connections



The rear of the TV includes VESA 75x75mm mounting points for wall installation. Key input/output ports are located here, typically including:

- **HDMI Ports:** For connecting high-definition devices like Blu-ray players, game consoles, or set-top boxes.
- **USB Port:** For connecting USB storage devices for media playback or PVR (Personal Video Recorder) functionality.
- **VGA Port:** For connecting older computers or laptops.
- **Antenna/Satellite Input:** For connecting a terrestrial or satellite antenna.
- **Audio/Video Inputs:** For connecting legacy devices.
- **CI Slot:** For Conditional Access Modules (CAMs) to decrypt pay-TV channels.

### 4.3. Side Views





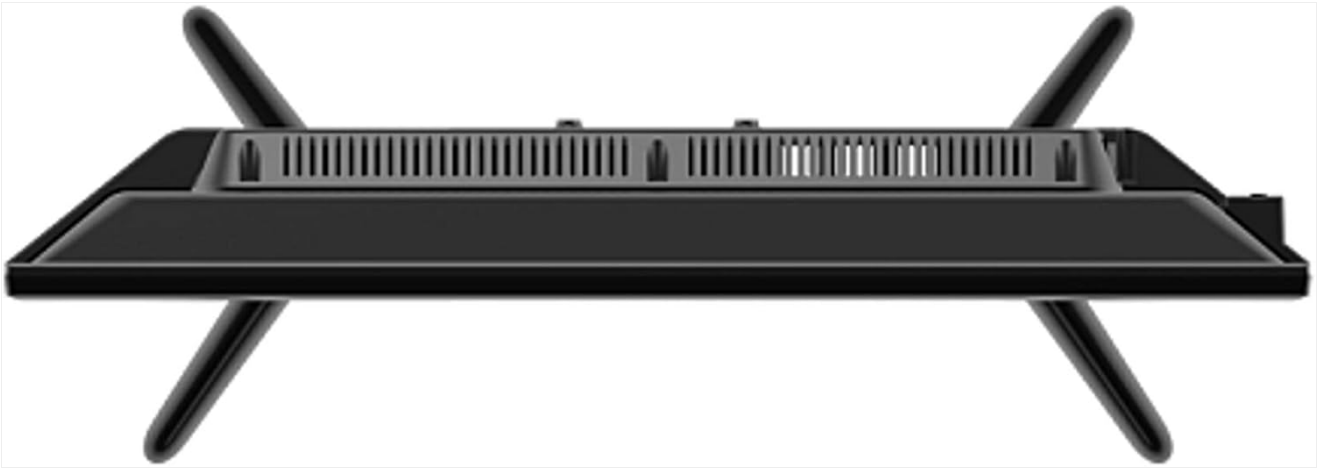
Right Side View: Illustrates the slim profile of the television.





Left Side View: May contain additional quick-access ports or control buttons.

## 4.4. Top View



The top view highlights the ventilation grilles, essential for maintaining optimal operating temperature. Ensure these are not obstructed.

## 4.5. Power Adapter



The included 12V car adapter allows for flexible power options, making the TV suitable for use in vehicles and off-grid setups. The adapter converts 12V/24V DC input to the required power for the TV.

## 5. SETUP

### 5.1. Attaching the Stand

1. Carefully place the TV face down on a soft, clean surface to prevent screen damage.
2. Align the stand base(s) with the corresponding slots or screw holes on the bottom of the TV.
3. Secure the stand(s) using the provided screws. Ensure they are tightened firmly but do not overtighten.

## 5.2. Power Connection

- **For Home Use (Mains Power):** Connect the 3-pin mains power plug to the TV's power input, then plug it into a standard wall socket.
- **For Mobile Use (12V/24V DC):** Connect the 12V car adapter to the TV's power input. Plug the cigarette lighter end of the adapter into your vehicle's 12V or 24V power outlet.

**Important:** Always ensure the power source matches the TV's requirements (12V/24V DC or appropriate AC mains) to prevent damage.

## 5.3. Antenna/Satellite Connection

- Connect your terrestrial antenna cable to the 'ANT IN' port for Freeview channels.
- Connect your satellite dish cable to the 'SAT IN' port for Freesat or other satellite services.

## 5.4. External Device Connections

- **HDMI:** Connect HDMI cables from devices like DVD/Blu-ray players, game consoles, or streaming sticks to the HDMI ports on the TV.
- **USB:** Insert a USB flash drive or external hard drive into the USB port for media playback or PVR recording.
- **VGA:** Use a VGA cable to connect a computer or laptop. Remember to also connect an audio cable if your computer does not send audio via VGA.

# 6. OPERATING INSTRUCTIONS

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## 6.1. Basic Functions

- **Power On/Off:** Press the power button on the remote control or on the TV.
- **Volume Control:** Use the VOL+/- buttons on the remote.
- **Channel Change:** Use the CH+/- buttons or number buttons on the remote.
- **Input Source:** Press the 'SOURCE' or 'INPUT' button on the remote to select between HDMI, AV, USB, DTV, or ATV inputs.

## 6.2. Menu Navigation

Press the 'MENU' button on the remote to access the main menu. Use the arrow keys (Up/Down/Left/Right) to navigate through options and 'OK' or 'ENTER' to confirm selections. Common menu options include Picture Settings, Sound Settings, Channel Scan, Time Settings, and System Settings.

## 6.3. Digital TV Tuning

After connecting your antenna or satellite dish, navigate to the 'Channel' or 'Setup' menu. Select 'Auto Scan' or 'Auto Tuning' to automatically search for and store available digital channels. This process may take several minutes.

## 6.4. USB Playback and PVR Function

- **USB Playback:** Insert a USB device. Select 'USB' as the input source. The TV will display a media browser, allowing you to select and play supported video, audio, or image files.
- **PVR (Personal Video Recorder):** To record live TV, connect a USB storage device (minimum 8GB, formatted to FAT32 or NTFS). Access the PVR function through the menu or a dedicated button on the remote. You can record current programs or schedule future recordings using the Electronic Program Guide (EPG).

# 7. MAINTENANCE

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- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, dampen the cloth slightly

with water or a screen-specific cleaning solution (do not spray directly onto the screen).

- **Cleaning the Cabinet:** Use a soft, dry cloth to wipe the TV cabinet.
- **Ventilation:** Regularly check that the ventilation openings on the back and top of the TV are clear of dust and debris to prevent overheating.
- **Remote Control:** Replace batteries when the remote's range decreases or it stops responding. Ensure correct polarity (+/-).

## 8. TROUBLESHOOTING

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Before contacting support, please refer to the following common issues and solutions:

Problem	Possible Cause / Solution
No Power	Check power cable connection to TV and wall socket/12V outlet. Ensure the power outlet is active.
No Picture, but Sound is Present	Check input source selection (e.g., HDMI1, DTV). Ensure external device is powered on and connected correctly.
No Sound, but Picture is Present	Check volume level. Ensure 'Mute' is not activated. Check audio settings in the menu.
Remote Control Not Working	Check and replace batteries. Ensure no obstructions between remote and TV's IR sensor.
Poor Picture Quality / No Channels	Check antenna/satellite connection. Perform an 'Auto Scan' for channels. Adjust antenna position.
USB Device Not Recognized	Ensure USB device is formatted correctly (FAT32/NTFS). Try a different USB port or device.

## 9. SPECIFICATIONS

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Feature	Detail
Model Number	EM24S12+12v
Screen Size (Diagonal)	24 inches / 61 cm
Resolution	720p HD Ready
Display Type	LED/LCD
Power Input	12V / 24V DC (via included adapter), Mains AC
On-mode Power Consumption	36.00 watts
Integrated Tuner	Digital TV Tuner (Freeview/Freesat compatible)
Connectivity	HDMI, USB, VGA, Antenna, Satellite, AV
VESA Dimension (WxH)	75x75mm
Unit Dimensions (W/stand)	553 x 194 x 378 mm
Unit Dimensions (W/O stand)	553 x 76 x 336 mm
Product Weight	3.1 kg
Batteries (Remote)	2 AA batteries (included)

## 10. WARRANTY AND SUPPORT

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EMtronics products are manufactured to high standards and are warranted against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact your retailer. For technical support or service inquiries, please contact the EMtronics customer service department through the contact information provided by your retailer or on the official EMtronics website.

Please have your model number (EM24S12+12v) and purchase details ready when contacting support.