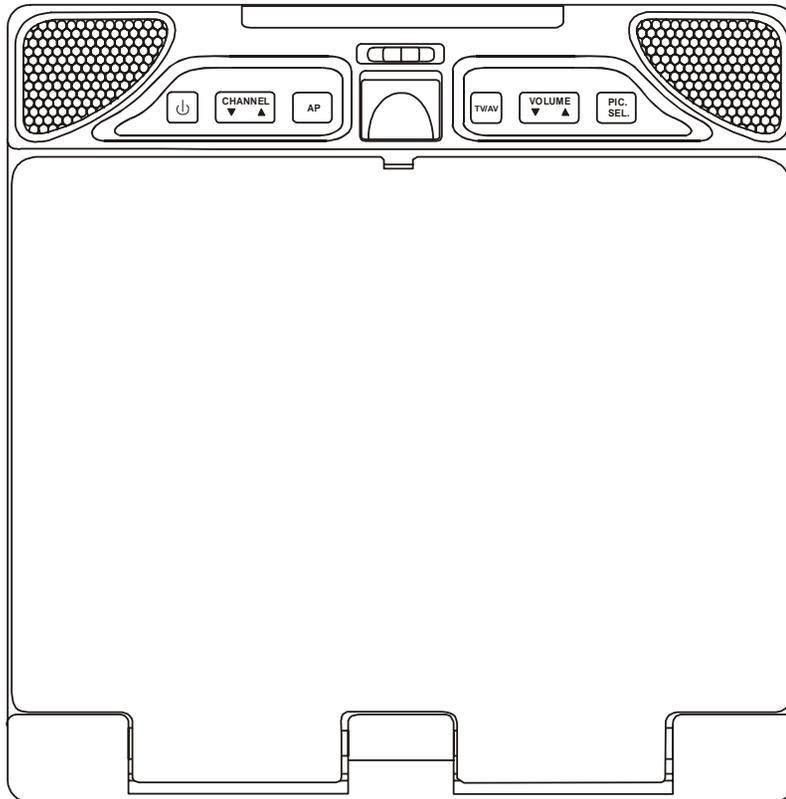


# LCM1042TV

## Owner's Manual



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US PATENT # D413, 856

### **Important Notice**

It is unlawful in most jurisdictions for a person to drive a motor vehicle which is equipped with a television viewer or screen that is located in the motor vehicle at any point forward of the back of the driver's seat, or that is visible, directly or indirectly, to the driver while operating the vehicle. In the interest of safety, the LCM1042TV should never be installed where it will be visible, directly or indirectly, by the operator of the motor vehicle.

Please note that the state of Rhode Island forbids the installation of such a device in a motor vehicle.

### **Television Reception**

This entertainment system is designed primarily for viewing pre-recorded movies or playing video games. Television reception in a moving vehicle will be limited and in some areas will not be possible due to weak and variable signal strength. Television viewing in a stationary vehicle will result in an improvement, but may still be marginal due to strength. The quality of the picture will not be consistent with home TV reception. Reception may be affected by the weather and distance from the TV station. A weak signal may cause the picture to roll, be snowy, or cause some color loss.

Congratulations on your purchase of the Flexvision LCM1042TV drop down TV/Video monitor. The LCM1042TV has been designed to give you and your family many years of video entertainment in the mobile environment. Please read the directions that follow to familiarize yourself with the product and to ensure that you obtain the best results from your equipment. **Please note:** Installation options vary, see the individual owner's manuals for each component in your system to obtain a full understanding of each component's operation.

### **Safety Precaution**

For safety reasons, when changing video tapes or DVD's it is recommended that you not allow children to unfasten seat belts to change tapes or make adjustments to the system while vehicle is in motion. System adjustments can be accomplished using the remote control unit, while seat belts remain fastened.

### **FEATURES**

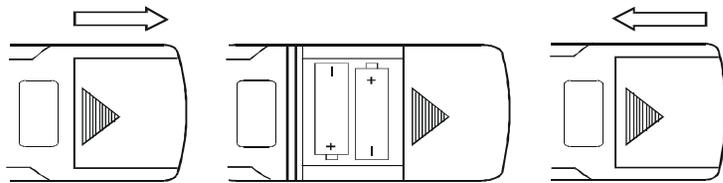
- 10.4" TFT (Thin Film Transistor) Active Matrix LCD (Liquid Crystal Display) Monitor
- OSD (On Screen Display) for control of Picture Quality and Functions
- Remote Control
- Television Tuner
- Plug in RF Transmitter for wireless RF Headphones
- Remote Sensor eye
- Three Audio / Video Sources
- Speaker Amplifier
- Back-lit Controls for Night Time Operation



## FRONT PANEL FEATURES – See Figure 1

1. Power Button – (Bright red when system is ON, dim when system is OFF).
2. Channel Up/Down – Changes the TV channel.
3. Auto Program – Press this button, the TV will automatically scan and memorize the strong signal channels.
4. Sensor Eye – Allows the remote control to operate the LCM1042TV's OSD system (On Screen Display), volume to wired headphone jacks (and optional external speakers), and for control of Video Cassette Player, DVD Player and other accessories.
5. Three position Dome Light Switch
  - Auto – Automatically switches on the dome lights in conjunction with the vehicle's interior illumination.
  - Off – The dome lights will not turn on in this position.
  - On – Turns on the dome lights.
6. Screen Release – Slide button in the direction of the arrow to release the drop down screen.
7. TV/AV– Any video equipment connected to the AUDIO/VIDEO inputs can be used with the TV by pressing this button. Each time the button is pressed , the Audio/Video source will change in the following sequence VIDEO 1, VIDEO 2 and TV.
8. Volume Tuning Up/Down – To raise or lower the volume level. Also used to adjust the picture control setting when “contrast”, “bright”, “color” or “tint” is displayed on-screen.
9. Picture Select – To select Contrast, Brightness, Color and Tint for desired level adjustment. If adjustments not made within a few seconds, picture select mode will automatically be cancelled.
10. Dome Lights – provide additional Interior illumination.

## REMOTE CONTROL OPERATION



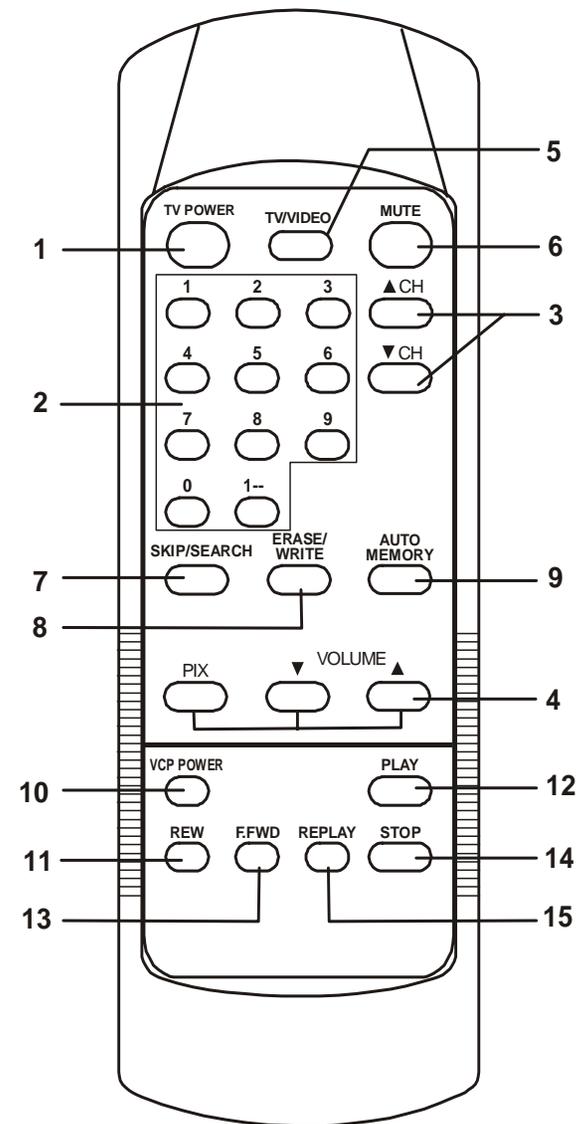
## BATTERY INSTALLATION

Before attempting to operate your Remote Control, install the batteries as described below.

- 1) Turn the remote control face down. Press down on the ridged area of the battery cover, and slide it off.
- 2) Install two “AAA” batteries as shown. Make sure that proper polarity (+ or -) is observed.
- 3) Slide the cover back until it clicks into position.

The remote control will operate the LCM1042TV, Flexvision Televisions and Video Cassette Players. It is not a universal remote control and will not control equipment from other manufacturers.

If a universal remote control is used with the LCM1042TV, choose the remote control encoding scheme for Action Televisions when programming the remote.



## Remote Controlled TV Functions

### 1. POWER ON/OFF

Press this button to turn the LCM1042TV on. The channel number or current video source will be displayed on screen, and the picture will appear in a few seconds. Press the button again to turn the LCM1042TV off.

### 2. DIRECT ACCESS (0-9) BUTTONS

Use these buttons to make a direct channel selection. The channel number chosen will be displayed on the screen for about 4 seconds. To select channels 0-99, press two number buttons. For example, to select channel 8, press 0, 8. To select channels above 100, press the 1-- button, then the number buttons for the last two digits of the channel. For example, to select channel 115, press 1--, 1, 5.

### 3. CHANNEL UP/DOWN BUTTONS

Use these buttons to advance to the next higher or lower channel.

### 4. PIX AND VOLUME UP/DOWN BUTTONS

To raise or lower the volume level. Also used to adjust the picture control setting when “contrast”, “bright”, “color” or “tint” is displayed on – screen.

### 5. TV / VIDEO BUTTON

Any video equipment connected to the AUDIO/ VIDEO inputs can be used with the TV by pressing this button. Each time the button is pressed, the Audio/Video source will change in the following sequence VIDEO 1, VIDEO 2 and TV.

### 6. MUTE BUTTON

Press this button to turn TV sound off. Press again to restore sound to the previously set level. Mute may also be released by pressing the VOLUME +/- buttons.

### 7. SKIP / SEARCH BUTTON

This button selects between SKIP and SEARCH mode. In “SKIP mode” the TV only stops on channels that are programmed into memory when the CHANNEL UP/DOWN buttons are pressed. When SKIP is turned off, the TV will advance to next channel/previous channel number when channel up/down is pressed.

### 8. ERASE / WRITE BUTTON

When tuned to a channel, press this button to store or erase the channel from memory. The stored channel numbers are displayed in green on the screen, and the non-stored channels are in red.

When skip mode is on, the LCM1042TV will tune to only the stored channels when using the CHANNEL UP/DOWN buttons.

#### **9. AUTO MEMORY BUTTON**

Press this button, the TV will automatically scan and memorize the strong signal channels

### **REMOTE CONTROLLED VCP FUNCTIONS**

These features can only be used with a Flexvision Video Cassette Player, if this option was installed with your video package.

#### **10. VCP POWER BUTTON**

This button is used to turn the VCP on and off.

#### **11. “REW” REWIND BUTTON**

If this button is pushed while the tape is stopped, the tape will rewind. If this button is pushed while the tape is playing, the VCP will go into rewind search mode. For more information consult the VCP owner’s manual.

#### **12. PLAY BUTTON**

Press this button to activate play mode while a tape is loaded into the VCP. This button may also be used to disengage search and pause modes. For more information, consult the VCP owner’s manual.

#### **13. “FFWD” FAST FORWARD BUTTON**

If this button is pushed while the tape is stopped, tape will fast forward. If this button is pressed while the tape is playing, the VCP will go into fast forward search mode. For more information on the search feature of the VCP, consult the VCP owner’s manual.

#### **14. STOP BUTTON**

Press this button to stop the tape.

#### **15. REPLAY BUTTON**

During playback, press this button to rewind the tape to the beginning and to begin PLAY mode from there.

## CHANNEL TUNING SETUP

In order to easily access all available channels, it may be necessary to perform channel auto - programming whenever the vehicle's geographic location has changed, i.e. city to city, weak signal area.

1. Press the AUTO MEMORY button on the remote control unit. You will see the TV cycle through all it's channels. The built-in microprocessor will automatically store each channel that is actively broadcasting in your area.
2. (A) To tune only stored clear channels with the CHANNEL UP/DOWN buttons, press the SKIP/SEARCH button on the Remote Control Unit until "SKIP MODE ON" is displayed on the bottom of the screen. The TV will now tune only to stored channels when the CHANNEL UP/DOWN buttons are used on the monitor or the remote control. (B) To tune to weak or marginal channels with the CHANNEL UP/DOWN buttons, press the SKIP/SEARCH button on the Remote Control Unit until "SKIP MODE OFF" is displayed on the bottom of the screen. Tune to the desired channel using the CHANNEL UP/DOWN buttons or go directly to the channel by using the 0-9 buttons on the Remote Control.

3. To ERASE a channel, press the ERASE/ WRITE button on the Remote Control Unit until "MANUAL MEMORY XX ERASE " is displayed on screen. To STORE a channel, press the button until the MANUAL MEMORY XX ADD is displayed on screen.

**Note:** Please refer to page 2 for more information on TV reception.

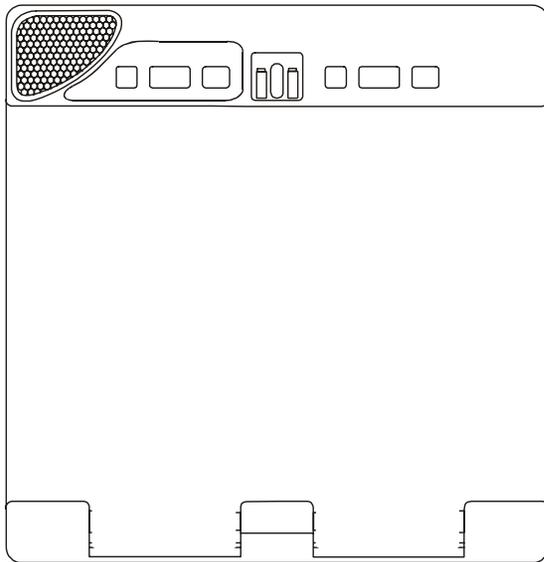
## TURNING THE LCM1042TV ON OR OFF

1. Sliding the screen release lock forward will unlock the LCD screen and it will drop down slightly. (Pivot the screen downward until a comfortable angle is reached).
2. Pressing the power button on the pod or remote will alternately turn the system on or off. When in use the internal back lighting will illuminate the controls. After the unit has been turned on and is displaying a picture, adjustment to the viewing angle can be made by pivoting the screen to optimize the picture quality. The friction hinges will hold the screen in position while the system is in use.
3. Remember to turn the unit off and pivot the LCD to the locked position when not in use.

## OPERATION

### Overhead Dome Lights

This lights integrated into the LCM1042TV are controlled by a three position slide switch. Sliding the switch to the on position will turn the lights on. The off position will prevent the lights from turning on at all times and the auto position will allow the lights to turn on and off with the vehicle's interior lighting. Do not leave the vehicle unattended with the dome light switch in the on position, as this could result in a discharged battery.



## OPTIONAL ACCESSORIES

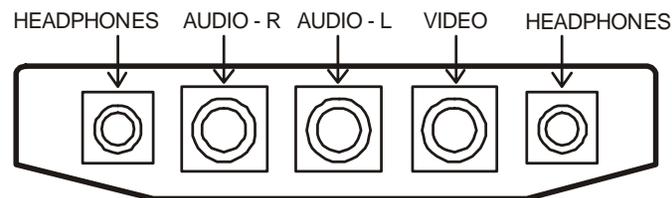
### Wireless Headphones

The LCM1042TV includes a RF transmitter (P/N WUX or WUX3) for use with optional Flexvision wireless headphones. Tuning the headphone switch on, and wearing them activates the internal micro switch, (which includes a tuning knob to tune into the preset frequency on the RF transmitter), which will activate the internal RF receiver and the volume can be adjusted separately with the controls on the headset. See the documentation accompanying your Flexvision wireless headphones.

### Auxiliary A/V Stereo Inputs Jack

The LCM1042TV may be equipped with an auxiliary A/V stereo input connector (optional). These inputs are provided to facilitate the temporary connection of optional audio/video equipment, such as a camcorder or video game system. To play a source with these inputs, an RCA patch cord is required to connect the audio/video signals to their respective jacks. Mono audio sources will require the use of an RCA Y-cable (P/N 0892165) to connect to both right and left inputs. If patch cords are installed into the AUX inputs, the AUX INPUT 2 will be temporarily bypassed. Once the connections have been made, turn the LCM1042TV on and press the source button on the LCM1042TV or the TV/Video button on the remote control until "Video 2" is displayed on the screen. The unit will now play the audio and video signals from the accessory connected. The remote control will not operate the accessory component.

LCM1042TV Jack Panel



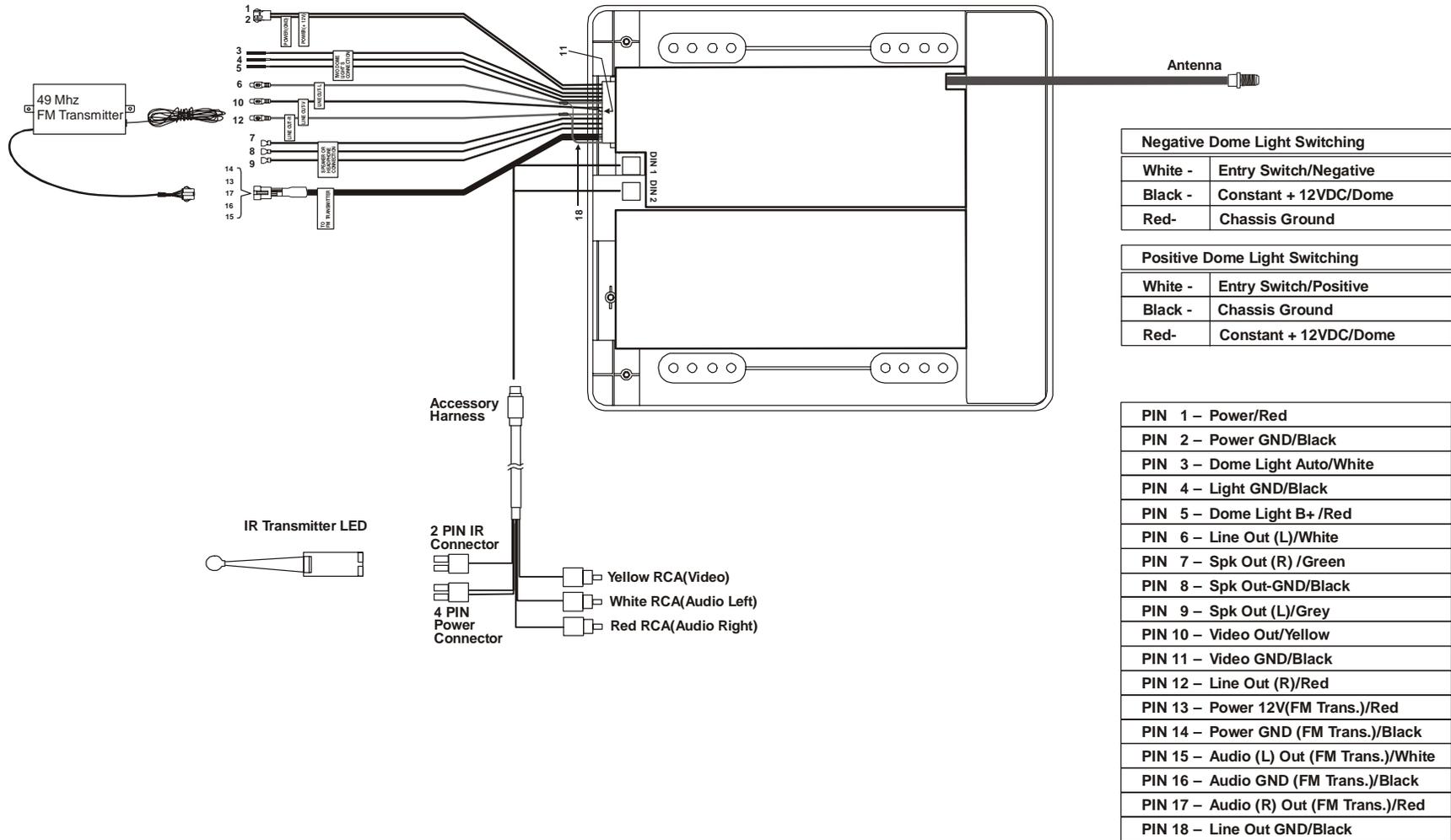
## **Video Output**

The LCM1042TV provides a video output for an optional video monitor(s). This output will provide a video signal that duplicates the signal displayed by the LCM1042TV to an additional monitor or video display. Please see your installer for more information.

## **Flexvision Video Cassette Player (Aux Video 1)**

In most installations a VCP will be connected to the "Video 1" input. To view a video cassette, turn the AVP7000/ AVP7285 on and press the source button on the LCM1042TV control panel or the TV/Video button on the remote control unit until "Video 1" is displayed on the screen. The VCP may also be operated with the remote control or the buttons on its face. Inserting a tape into the VCP will turn it on and automatically activate the play mode. For more information see the owner's manual accompanying your VCP.

# TYPICAL SYSTEM CONNECTIONS



## OPTIONAL PRODUCT LIST

<b>Televisions</b>	<b>Part Number</b>
AVT-988 9" CRT Color Television with Remote (12V)	AVT988
AVT-1498 13" CRT Color Television with Remote (12V)	AVT1498
<b>VCP and DVD Players for use with CRT and LCD products</b>	
AVP7000 Video Cassette Player (12V)	AVP7000
AVP7285 Stereo Video Cassette Player (12V)	AVP7285
Single Disc DVD player (DIN)	DVD2101
<b>Headphones</b>	
Wireless Headphones	WHPRF01
Wired Headphones with Pivoting Ear Cup	HP175
Wired Headphones with Volume Control on Cord	HP275
Studio Quality Headphones	HP375
<b>Miscellaneous</b>	
Remote Controls	Visit <a href="http://www.asaelectronics.com">www.asaelectronics.com</a>
Wallmount Family Radio Service with 4 Handsets	FRS4WM
Replacement Handset	FRS100Y
12V Corded Vacuum	VAC21
Rechargeable Flashlight	AVF1
Window Mount TV Antenna	AN350
2 Amp Adapter for use with AVP7000 VCP	0891436
4 Amp Adapter for use with AVT988 9" TV and AVT1498 13" TV	0891412
<b>Wallmount Radios</b>	
AM/FM Wallmount Manual Tune w/Cassette Player	AWM710
AM/FM Wallmount Electronic Tune w/Cassette Player	AWM820
AM/FM Wallmount Electronic Tune w/CD Player	AWM930

<b>Marine</b>	
AM/FM Stereo with CD Player	MS1000
AM/FM/Weatherband Stereo with Cassette Player	MS407
AM/FM Stereo with Cassette Player (analog tune)	MS306
AM/FM Stereo with Cassette Player (analog tune)	MS220
Weatherproof Radio Housing	MRH211
50 Watt 6-1/2" Speakers (white/black)	AMS6
30 Watt 5" Speakers (white/black)	AMS5
30 Watt 4" Speakers	AMS4
Marine Radio Antenna	AN125

Unlike household electronics, all of our products have been specifically designed and tested for the mobile environment and are only available through ASA. To order any of these products, please contact Audiovox Specialized Applications at [www.asaelectronics.com](http://www.asaelectronics.com).

\* Prices are subject to change

## Troubleshooting

PROBLEM	SOLUTION
Poor TV Reception	<ul style="list-style-type: none"> <li>• Perform auto programming of the tuner</li> <li>• Verify antenna condition.</li> <li>• NOTE: Due to the nature of TV signals, vehicle motion, direction the vehicle is facing, distance from the transmitter, nearby surroundings and weather may adversely affect TV reception. These conditions may result in the following: picture roll, "snowy" picture, or momentary loss of color. Please refer to page 2 for more information on TV reception.</li> </ul>
Poor radio reception (FM modulator installed)	<ul style="list-style-type: none"> <li>• Check the condition of the vehicle's radio antenna.</li> <li>• Verify that the antenna is fully raised</li> <li>• If a wired RF modulator has been installed, verify that it's switch is turned to the off position</li> </ul>
No power to LCD	<ul style="list-style-type: none"> <li>• Verify +12VDC on red wire at power harness going to the video pod. Verify ground connection.</li> </ul>
Power but no video or sound	<ul style="list-style-type: none"> <li>• Verify connections at both ends of source component harness.</li> </ul>
IR sensor inoperative	<ul style="list-style-type: none"> <li>• Verify that the batteries in the remote are fresh</li> <li>• Verify that the remote eye is not obstructed.</li> <li>• Verify that the infrared transmitter is affixed over the sensor eye of the component to be controlled</li> </ul>

## Specifications

Operation Temperature	-10°C~ 65°C
Storage Temperature	- 40°C ~ 85°C
Video Display System	NTSC
Audio Output	0.6W @ 16Ω
Current Draw	2A
Weight	5.3 Lbs.
Overall Dimensions	2.2 x 11 x 11.2 Inch (H x W x D)



**AUDIOVOX SPECIALIZED APPLICATIONS, L.L.C.**

## **90 DAY/ 12 MONTH LIMITED WARRANTY**

AUDIOVOX SPECIALIZED APPLICATION, LLC (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 90 days from the date of original purchase, such defect(s) will be repaired or replaced (at the Company's option) without charge for parts and repair labor. After the initial 90 day period and for a period of 12 months from the date of original purchase, the Company will supply at no charge a replacement for any defective part(s), but will charge for the labor to repair the product.

To obtain repair or replacement within the terms of this warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to an approved warranty station, or the Company at the address shown below.

This warranty does not extend to the elimination of externally generated static or noise, to the correction of antenna problems, to costs incurred for removal or reinstallation of the product, or to damage to any tapes, speakers, accessories, or electrical systems.

This warranty does not apply to any product or part thereof which, in the opinion of the Company, has been damaged through alteration, improper installation, mishandling, misuse, neglect, or accident. THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE, AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE PURCHASER FOR THE PRODUCT.

This warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 30 DAYS FROM THE DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than that expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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