

# LCM7070

## 7"Color TFT-LCD Monitor



# AUDIOVOX®

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**Specifications**

7" (17,8cm) FTF/LCd 16:9 Car Monitor  
Stand-alone or Headrest Installation  
Resolution: 1400 x 234 pixel  
Resolution RGB 480 x 234 pixel  
Contrast Ratio 300:1  
Brightness 350cd/m<sup>2</sup>  
Viewing Angle Vertical 160°, Horizontal 160°  
PAL/NTSC Auto Mode  
On Screen Display Control  
V1 & V2 Inputs  
1 x Remote control  
1 x Mounting Stand & Cable Kit  
1 x Headrest Mounting bracket  
Built in IR Headphone Transmitter  
1 x Monitor Control Box

## Safety Advice

**Thank you for choosing an Audiovox product. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new Audiovox LCM7070 monitor for maximum enjoyment.**

### Traffic

The Driver should never operate these products while the vehicle is in motion! Installation of all TV monitors must be out of the driver's field of vision.

### Build-in position

Installation of all TV monitors must be out of the driver's field vision. This product should never be placed near or over an heat vent. Make sure to keep products away from direct sunlight at the build in position.

Do not mount the product where it will obstruct the development of the airbag or in an area where it would affect the vehicular control. Also be careful to avoid mounting the product, where it can become hazardous during stops or in the event of an accident.

### Installation

Quality installations are best performed by qualifield and certified installers.

### Cleaning the screen

Use only a damp cloth to clean the screen and use purified water on the cloth wiring out all excess water prior to wiping the screen. Do not use any cleaners or chemicals to clean the screen. In most cases a dry cloth will do!

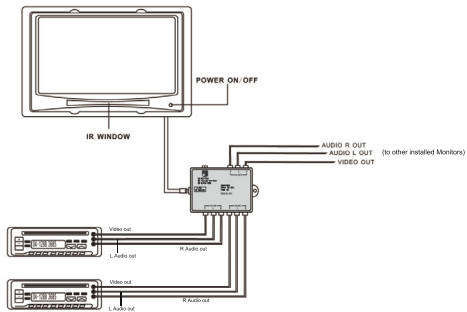
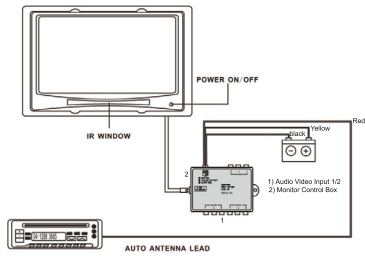
### Liquids

If there is any liquid on these products, pull your vehicle to the roadside and turn the key off to disconnect or wipe the products with a towel. Do not operate the equipment until all liquids habe either evaporated or you have the monitor was inspected at the service center by a qualified technician.

### Watching the monitor without engine running

Watching the monitor for an extended period of time without engine running may deplete the vehicle's battery charge.

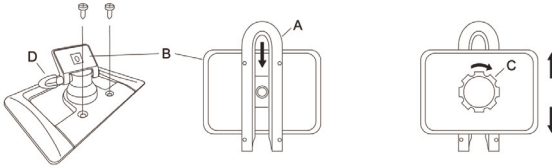
## Wiring Diagram



**Caution:**

Please observe the right polarity of the cables and the right colours of the RCA-Plugs.

**Method 1: Installation with Stand**



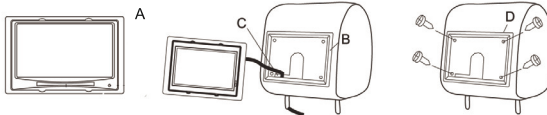
Mount at first the stand at an appropriate position. F.i. in the dashboard with the supplied screws. Observe by any means, that you don't damage wires, cables or other preinstalled parts in the vehicle.

At first remove carefully the mounting frame of the monitor's rearside. Then slide the monitor's mounting slot (A) on the fixing plate (B) from the mounting stand. Ensure thereby a proper alignment of the fixing plate in the mounting slot and don't tilt.

Adduct the knurled head screw (C) of the stand, after you have found the right position by sliding around. The viewing angle if the monitor could be adjusted by setscrew (D).

**Method 2: Installation in Headrest**

Thereby a installation with the mounting frame (A) is suggested. At first consider the right position of the separate A/V distribution box, especially when a additional second monitor should be installed.

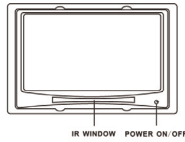


Ensure for sufficient lengths of all cables and wires.

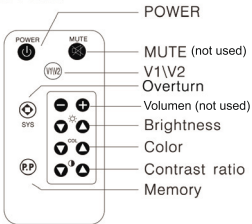
Cut out a sufficient mounting hole in the headrest (B). Use the inner dimensions of the mounting frame as draft. Then lead the A/V-Cable from the monitor through the big hole (C) in the mounting frame and through the hollow attachment bar of the headrest.

Depending of the type of your car, you should fix the mounting frame(D) with the attachment bars on the inside. Then insert carefully the monitor in the mounting frame. After all, slide the headrest back into the seat and connect the Monitors A/V-cable with the distribution box.

**Basic Functions**



**Remote Control**



**Remote Control**

The Monitor settings can be adjusted only with remote control

### Electronical installation and control functions

1. Please connect the monitor connection cable with the supported „S“ cable. The other side of the „S“ cable you connect with the Monitor control box.
2. Connect your DVD player or your headunits Audio / Video output with the Audio / Video input 1 at the monitor control box.
3. Please connect the power connection cable like follow:
  - red: ignition DC 12V or with the automatic antenna output of your Radio
  - yellow: DC 12V permanent power
  - black: DC ground
4. The Audio / Video output of the monitor control box can be used if you install a second monitor in the car.
5. With the Power ON / OFF button you can switch the monitor ON / OFF.
6. Be sure the VCD or DVD is working, the monitor will display the normal photo then, this main unit will distinguish automatically from the model PAL and NTSC video signal. If you connect them right, the clear and colorful screen will be on.
7. Using the remote control you can adjust the brightness, color and contrast.
8. The remote key of overturn can turn the picture clockwise. It fits to different occasions.
9. The monitor included a built in IR headphone transmitter which allows the use of wireless headphone.
10. The remote control button V1/V2 allow to switch between the booth input sources.
11. The P.P. remote control button, offer you a quik access to pre adjusted picture settings. Otherwise a manual picture adjustment is possible with the brightness / color and contrast ratio buttons of the remote control.



## Trouble Shooting

### Power

This product is designed for operation with a 12 Volt DC, negative ground vehicle. Too low voltage or wrong polarity may cause malfunctions.

### Service

Do not try and service these products yourself, see only a qualified service center or factory service center.

### Damages

Be careful not to drop or apply undue pressure to the frontpanel of your video monitor. If the screen cracks due to misuse your warranty will be void!

### Check-Points

1. The operating temperature of this product is limited to -20°C - + 80°C.  
Your vehicle can reach temperature up to 100°C in the summertime.
2. From time to time when your vehicle extremely hot or cold you must allow for your air conditioner or heater to cool or heat the vehicle to operating temperatures to return to normal operating ranges are achieved.
3. Your optimum picture quality is achieved when you are directly in front of monitor (+/- 30 degrees).

Symptoms	Probable Causes	Solution
Black Screen	<ol style="list-style-type: none"> <li>1. No 12 voltage</li> <li>2. The AV cable of the monitor is loose or is damaged</li> </ol>	<ol style="list-style-type: none"> <li>1. Check if power is on or the connection is unstable</li> <li>2. Check the AV cable</li> </ol>
Black Screen	<ol style="list-style-type: none"> <li>1. No Video-Signal</li> <li>2. The AV cable of the monitor is loose or is damaged</li> <li>3. Brightness or Contrast ratio is too low</li> </ol>	<ol style="list-style-type: none"> <li>1. Check output signal of the Video Source</li> <li>2. Check or replace AV cable</li> <li>3. Increase Brightness or Contrast ratio</li> </ol>
No Color	<ol style="list-style-type: none"> <li>1. No Color Signal from Video Source</li> <li>2. The AV cable of the monitor is loose or is damaged</li> <li>3. Color settings are wrong</li> </ol>	<ol style="list-style-type: none"> <li>1. Check output signal of the Video Source</li> <li>2. Check or replace AV cable</li> <li>3. Reset to factory settings via the OSD-Menu</li> </ol>
Little regular light spots and color spots on the screen or black horizontal line in the picture	<ol style="list-style-type: none"> <li>1. This is a principally "Symptom" in the usual range for manufacturing standards of LCD/TFT monitors.</li> </ol>	
Unclear Picture	<ol style="list-style-type: none"> <li>1. Bad Quality of the Video Source</li> <li>2. Brightness or Contrast ratio is too low</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace or change the disk</li> <li>2. Increase Brightness or Contrast ratio</li> </ol>

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