



AUDIOVOX®
ELECTRONICS CORP.

Navigation Rear View Mirror Model LCMR4N Installation Manual



Features:

- **Rearview Mirror with 4" LCD**
- **Audiovox Navigation Input**
- **2 Built in Speakers**
- **Cellular Phone Hands Free Input**
- **Hands Free Microphone Built-In**

NOTE: Hands free feature may not operate with all cellular phones and/or an adapter may be required.

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Packing List

The Navigation Rear View Mirror Model LCMR4N consists of the following items:

1. Rear View Mirror
2. Mobile Phone Hands Free Cable Plug
3. Mobile Phone Adhesive Magnetic Seat
4. Fastening Belts (6)
5. Adhesive Foam Backing

Cautions!

You, as the driver, are solely responsible for the safe operation of your vehicle and the safety of your passengers according to the country and their local traffic regulations. . Do not use any features of this system to the extent it distracts you from safe driving. Your first priority while driving should always be the safe operation of your vehicle. Audiovox Electronics Corporation cannot accept any responsibility whatsoever for accidents resulting from failure to observe these precautions or safety instructions.

1. This product utilizes high voltage. Any unauthorized modifications or damage to the products may result in electrical shock. Handle all components with care. Inspect regularly for damage to components and cabling.
2. You shall be responsible to ensure that the installation of this product does not void or affect the vehicle manufacturer's warranty. Audiovox Electronics Corporation, or its branches are not liable in full or in part for improper installation resulting in loss or damage to your property, or for voiding all or part of the vehicle manufacturer's warranty.
3. Do not apply excessive force to any of the components contained within this kit. Excessive force used before, during or after installation that results in a damaged or non-functional part shall void all warranties.
4. Please follow the procedure from this installation manual. Improper installation or modification of this product shall void all warranties.

1. Installation Instructions

- 1) Mount the mirror/monitor onto the existing rearview mirror.
 - a) Stick two adhesive foam backings on to the back of mirror in the two small rectangle indents.
 - b) Take the two seven inch belts and slide them into the slots on the top rear of the mirror with grooved side of the belt facing down.

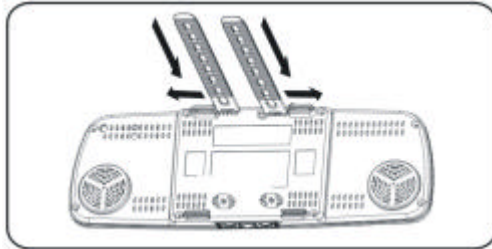


Figure 1

- c) Take the buckles and slide them into the lower slots on the rear of the mirror with the buckle facing toward the seven-inch belt.

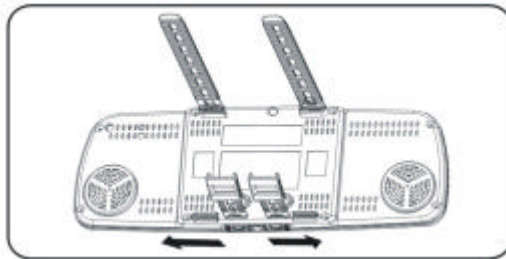


Figure 2

NOTE: The large opened rectangle on the buckle will face away from the seven-inch strap.

- d) Mount the new rearview mirror/monitor onto the existing one. Add the rearview mirror onto the existing mirror from one side with one fixed belt. Then fasten the other belt on the other side of the mirror. To prevent the LCMR4N from falling off, tighten the belts until secure to the factory rearview mirror on both sides.

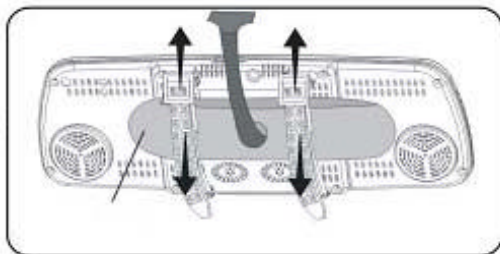


Figure 3

- e) Cut off excess part of 7-inch belts.
- 2) Plug the Mitsumi connector from the Audiovox navigation monitor cable (part #112C3080) into the receptacle at the top backside of the mirror/monitor screen. Route the monitor cable behind the headliner of the windshield then down the A pillar behind the plastic shroud to the under dash area and continue to the Navigation computer.

Navigation Voice command display timer:

There is a three-position switch located on the front right of the mirror/monitor. The three settings are 30 seconds, 150 seconds and 300 seconds. The vehicle operator can select to engage the navigation display timer by pressing Sw 1 while the vehicle is going forward. The Navigation Display will appear for the preset time whenever the navigation system issues an audible voice command

2. Install the mobile phone magnetic mount

- 1) Select a suitable and convenient location for the mobile phone. Clean the selected location
- 2) Tear off the adhesive tape on the back of the magnetic mount. Press mount tightly on to the selected surface for 30 seconds till the two surfaces are tightly glued.

NOTE: Make sure the two surfaces are glued tightly!

- 3) Clean a place on the back of the cell phone, keeping it dry. Remove the adhesive tape of the rounded metal disc and stick it to the selected place on the back of the cell phone.

NOTE: Do not attempt to move the phone within 24 hours after gluing.

CAUTION: The rounded metal disc can only be glued once, so be sure it is at the right place!



Figure 4

3. Controls and Indicators

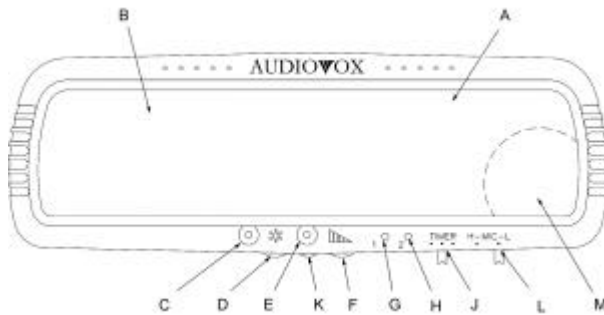


Figure 5

Figure 5 illustrates the controls and indicators of the LCMR4N rear view mirror:

- | | |
|--|---|
| A: Rearview mirror | H: Switch 2 (see below) |
| B: 4" LCD panel | J: 3-position switch for Navigation Voice command display timer on front of mirror (30 sec., 150 sec., 300 sec.) |
| C: Hands free Microphone | K: Remote IR Sensor |
| D: Brightness Control | L: 2-position switch for handsfree microphone Sensitivity High/Low Select |
| E: Power indicator (Red when power is on) | M: Speakers |
| F: Volume Control Knob | |
| G: Switch 1 (see below) | |

SW1 and SW2:

SW1: Turn on the Navigation display timer mode. When SW1 is pressed, the LED will turn yellow. The navigation image will appear for the preset time 30sec, 2.5 minutes or 5 minutes. Once the preset time has expired, the LCD will turn off. The navigation image will reappear with the next voice command prompt from the navigation computer. When SW1 is pressed again, the LED will turn red, and the timer doesn't have function.

SW2: Turns the navigation screen image on and off. Press once to turn on the continuous Navigation display. Press again to turn off the Navigation display. Then press Sw 1 if you want to engage the Voice command navigation display timer.

Specifications

General

Power Supply	12VDC
Power Consumption	<12W
Current Draw	<500 mA
Video Input	1Vp-p@ 75 Impedance
Audio Input	<=1V
Audio Power Output	0.5W × 2 (16)
Operating Temperature	-10°C to 60°C
Overall Dimension	11W×3.75H×1.25D inch

Display System

Screen	4 " TFT Color LCD
Brightness	250 nit
Contrast ratio	150:1
Viewing Angle	Top-10°, Bottom 30°, Left 45°, Right 45°
Resolution	480×234
Video Format	PAL/NTSC auto detect
Display Format	4 : 3

Maintenance

Your rearview mirror requires little care, however to maintain it in optimum condition follow the procedures below:

1. Keep your system away from excessive moisture, extreme heat or cold and magnetic fields.
2. Keep liquids away from the display.
3. Do not place external devices or other objects on the top of the mirror.

Occasionally clean the surface of the mirror with a soft cloth moistened with water or window cleaner.

Troubleshooting

Table 1 Hands Free Phone

Symptoms	Solutions
When the Hands Free Phone Function is not working?	<ol style="list-style-type: none">1. Check the volume control knob whether the volume is set too low.2. Check volume setting on phone.3. Check to see if the hands free cable plug to the phone hand set input jacket is properly connected.4. Check whether the mobile phone hands free cable plug is properly connected to the mirror.5. An adapter may be required. Not all phones will work with the hands free feature.

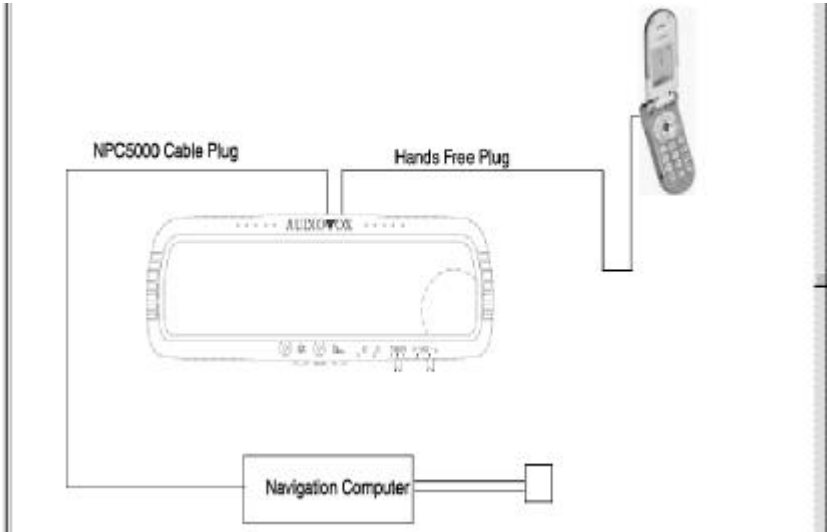


Figure 6



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