AUDIOVOX
ELECTRONICS CORP.

PAV-7

OWNER'S MANUAL

CONTENTS

- PRECAUTIONS IN HANDLING THE UNIT 2
- BUTTON & OPERATION OF AV SYSTEM 4
- ADDITIONAL DESCRIPTION & BUTTON OPERATION OF AV SYSTEM 9
- REMOTE CONTROL(PART NUMVER 136B2321) 11
- INSTALLATION INSTRUCTIONS 12
- TOLL-FREE INSTALLATION ASSISTANCE 13
- WIRING DIAGRAM 14
- WIRING 15
- SPECIFICATIONS 16
- IN PAL AREA 16
- WARRANTY 17

IMPORTANT

An LCD panel and/or video monitor may be installed in a motor vehicle and visible to the driver if the LCD panel or video monitor is used for vehicle information, system control, rear or side observation or navigation. If the LCD panel or video monitor is used for television reception, video or DVD play, the LCD panel or video monitor must be installed so that these features will only function when the vehicle is in 'park' or when the vehicle's parking brake is applied.

An LCD panel or video monitor used for television reception, video or DVD play that operates when the vehicle is in gear or when the parking brake is not applied, must be installed to the rear of the driver's seat where it will not be visible, directly or indirectly, to the operator of the motor vehicle.

Warnings

- Do not use any solvents or cleaning materials when cleaning the video system.
- Do not use any abrasive cleaners, they·may scratch the screen. Use only a lightly dampened lint free cloth to wipe the screen if it is dirty.
- Lock the LCD screen in the fully closed position when not in use.
- Before putting on headphones always adjust the volume setting to the lowest position.
- Remember to leave the dome light switch in the off or auto positions when the vehicle is unattended, as the dome lights, if left on, can drain the vehicle's battery.
- Do not put pressure on the screen.
- Caution children to avoid touching or scratching the screen, as it may become dirty or damaged.

Safety Precaution

For safety reasons, when changing video tapes it is recommended that the vehicle is not in motion, and that you do not allow children to unfasten seatbelts to change tapes or make any adjustments to the system. System adjustments can be accomplished using the remote control unit, while seatbelts remain fastened. Enjoy your entertainment system but remember-safety of all passengers remains the number one priority

PAV-7최종 2002.11.19 9:24 AM 페이지 4

AV Head Unit

① Power
② VIDEO
③ Close
④ Remote sensor
⑤ Open
⑥ Wide mode
⑦ Reset
⑧ Mode
⑨ MENU ▼
⑩ MENU ▲
⑪ ◀CTRL
⑫ CTRL ▶
⑬ Menu display
⑭ Navigation
⑮ 7" TFT LCD display

Power On/Off

If the power button is pressed when ACC is on, the monitor will slide out from the inside of the unit and stand-up vertically. After displaying the logo for 4 sec, the monitor will display last mode in memory.
If the power button is pressed again when power is on, the monitor will slide into the unit.
When ignition key is removed while the unit is on, the unit will remember the mode at that time, and recall it back when the ACC is turned on.

Changing Mode's

- When the mode button is pressed, the mode changes in the following order.

AUX1 → AUX2 → AUX3 → ···

BRIGHT/DIMMER/COLOR/TINT

- When the VIDEO button is pressed, the unit switches into video control mode.
- To select the video mode to be adjusted, press the Menu ▲/▼ button.
- Pressing the Menu ▲ button, switches the video control mode as follows;

BRIGHT → DIMMER → COLOR → TINT → BRIGHT ···

- Pressing the Menu ▼ button, switches the video control mode as follows;

BRIGHT → TINT → COLOR → DIMMER → BRIGHT → ···

PAV-7최종 2002.11.19 9:24 AM 페이지 6

- Each mode's level adjustment is controlled by the CTRL up & down buttons.
- Press the ◀ CTRL button to decrease the level of the selected mode.
- Press the CTRL ▶ button to increase the level of the selected mode.

If there is no button press within 5 sec or the DISP button is pressed, mode switched back to the previous mode.

1. Adjust Brightness

- Select Brightness mode by pressing the Menu ▲/▼ until "BRIGHT" is displayed.
- Press the CTRL ◀/▶ button to adjust Brightness level.
- Movement of the indicator level to the left will decrease the Brightness and to the right will increase it.

2. Adjust Dimmer

※ Dimmer is to control the brightness of illumination in TFT LCD.

- Select Dimmer mode by pressing the Menu ▲/▼ , until "DIMMER" is displayed.
- Press the CTRL ◀/▶ button to adjust Dimmer level.
- Movement of the indicator level to the left will decrease the Brightness of the LCD and to the right will increase it.

3. Adjust Color

- Select Color mode by pressing the menu ▲/▼ until "COLOR" is displayed.
- Press the CTRL ◀/▶ button to adjust the Color level.
- Movement of the indicator level to the left will decrease the intensity of the color and to the right will increase it.

4. Adjust Tint (NTSC Only)

- Select Color mode by pressing the Menu ▲/▼ until "TINT" is displayed.
- Press, the CTRL ◀/▶ button to adjust the Tint level.
- Movement of the indicator level to the left will emphasize green color and to the right will emphasize red color.

If no button is pressed within 5 seconds or the 「DISP」 button is pressed, the mode will be switched back to the previous mode.

BUTTON & OPERATION OF AV SYSTEM

Closing the Monitor When the Power is On

1. Close the monitor

- To close the monitor when the power is on, press the Close button on the main unit or press the power button and the screen will retract into the unit.

2. Open the monitor

- Press the Power button and the unit will turn on and the screen will slide out and up.
- To open the monitor from the main unit, press the Open button or ▲/▼ button. The monitor will slide out and open to the memorized angle.
- If monitor is physically prevented from sliding out for longer than 2 sec, the monitor will slide back in automatically. Remove the obstacle and repress the Open button or the ▲/▼ button again.
- If monitor is physically prevented from opening for longer than 2 sec, the monitor will stop opening and stay at that angle. Remove the obstacle and press the Open button or the ▲/▼ buttons again to open the monitor to the memorized angle. Or, press the Close button to close monitor and slide into the main unit.

3. Memorizing the Monitor Angle

- Press the Open button momentarily or the ▲/▼ button to adjust the monitor backward one step as a time.
- After adjusting monitor angle, press and hold the Open button or the ▲/▼ button longer than 2 sec to memorized the current monitor angle.
- Once the monitor angle is memorized, the monitor will always open to the memorized angle.
- To clear the memorized angle; When the monitor is closed (Power On condition), keep pressing the Open button or the ▲/▼ button on Remote controller longer than 2 sec will extend the screen to 75 degrees.

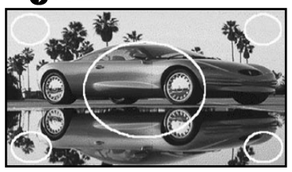
PAV-7최종 2002.11.19 9:24 AM 페이지 8

BUTTON & OPERATION OF AV SYSTEM

Zoom In/Out

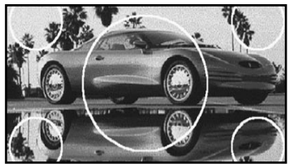
- Press the “WIDE” button to adjust the picture size
  FULL → 4:3 (NORMAL) → ZOOM1 → FULL → ……

FULL



4 : 3 (NORMAL)

ZOOM1



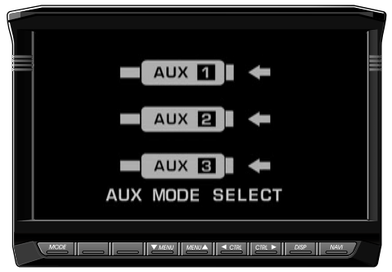
Reset

- If the unit malfunctions or fails to respond press the RESET button(7) with a pen tip or other thin object to initialize the system.

ADDITIONAL FEATURE AND OPERATION

Removing AUX 2+3 inputs from menu

- When the mode button is pressed for longer than 1sec the unit will display AUX1, AUX2, and AUX3. Using the MENU▲/▼ buttons you may change AUX2 and/or AUX3 to blue to remove it from the mode selection. To add them back to the mode selection. hold the mode button for longer then 1sec and use the MENU▲/▼ buttons to change them to green.
- When PRESET DOWN(▼PRESET) or PRESET UP(PRESET ▲) is pressed, the selected mode's box color is changed.



IF there is no button presed within 5 sec or 「DISP」 button is pressed, mode is switched back to the previous mode.

Picture Adjustments

- Press the video button to enter the picture adjustment menu.
- Use the MENU▲/▼ buttons to select from Bright/Dimmer/Color/Tint mode.
- Use the CTRL◀/▶ to adjust the selected function.

PAV-7최종 2002.11.21 5:14 PM 페이지 10

ADDITIONAL FEATURE AND OPERATION

Used to store milage reminders for engine service

- Press + hold the “DISP” button for more than 1second the display will switch into DIARY mode.
- Press the “MENU▲/▼” to select input mode.
- Using the “CTRL◀/▶”, input the number on the top right display.
- Press the “◀CTRL” button to decrease the input number by 100.
  (Keep pressing “◀CTRL” button to decrease rapidly by 1,000)
- Press the “CTRL▶” button to increase the input number by 100.
  (Keep pressing the “CTRL▶” button to increase rapidly by 1,000)
- The maximum number of input is 999,999.

If there is no button pressed within 5 sec or the 「DISP」 button is pressed, the mode will switch back to the previous mode.

NOTE “Diary” is the convenient feature so that user can make memo of the milage required to change TRANSMISSION OIL, ENGINE OIL, BRAKE PAD, ANTI-FREEZER, BELT, TIRE.

REMOTE CONTROL PART NUMBER 136B2621

Power On/Off

- Press “PWR” button to turn the unit On/Off (same as Power button on main unit).

Change Mode

- Press the mode button to switch from AUX1, AUX2, or AUX3 (Same as Mode button on main unit.)

Using with Navigation System(OPTION)

- Connect with Navigation system and press “Navi” button.

Close the Monitor When the Power is On

- When the monitor is opened(Power On condition), press “▲,▼” button on Remote Controller to close the monitor.
- When the monitor is closed(Power On condition), keep pressing button or “▲,▼” button on Remote Controller longer than 2 sec to bend backward about 75°.
- Press “▲,▼” button to bend the monitor backward by one step.
- After adjusting monitor angle, press “▲,▼” button longer than 2 sec to memorize the current monitor angle.
- Once monitor angle is memorized, monitor will open to the memorized angle.

Installation Instructions

This unit is designed for installation in cars, trucks, and vans with an existing radio opening. In many cases, a special installation kit will be required to mount the unit to the dashboard. These kits are available at electronics supply stores and car stereo specialist shops. Always check the kit application before purchasing to make sure the kit works with your vehicle. If you need a kit but cannot find it available, call our toll-free "HELP" line at **1-800-645-4994**.

UNIVERSAL INSTALLATION PROCEDURE USING MOUNTING SLEEVE

1. Check the dashboard opening size by sliding the mounting sleeve into it. If the opening is not large enough, carefully cut or file as necessary until the sleeve easily slides into the opening. Do not force the sleeve into the opening or cause it to bend or bow. Check that there will be sufficient space behind the dashboard for the radio chassis.
2. Locate the series of bend tabs along the top, bottom, and sides of the mounting sleeve. With the sleeve fully inserted into the dashboard opening, bend as many of the tabs outward as necessary so that the sleeve is firmly secured to the dashboard.
3. Place the unit in front of the dashboard opening so that the wiring can be brought through the mounting sleeve. Follow the wiring diagram carefully and make certain all connections of the wiring harness are secure and insulated with wire nuts or electrical tape to insure proper operation of the unit. After completing the wiring connections, attach the front panel and turn the unit on to confirm operation (ignition switch must be "on"). If unit does not operate, re-check all wiring until problem is corrected. Once proper operation is achieved, turn off the ignition switch and proceed with final mounting of the chassis.
4. Carefully slide the unit into the mounting sleeve making sure it is right-side-up until it is fully seated and the spring clips lock it into place.
5. Attach one end of the perforated support strap (supplied) to the screw stud on the rear of the chassis using the hex nut provided. Fasten the other end of the perforated strap to a secure part of the dashboard either above or below the radio using the screw and hex nut provided. Bend the strap to position it as necessary.

   CAUTION: The rear of the radio must be supported with the strap to prevent damage to the dashboard from the weight of the radio or improper operation due to vibration.
6. Re-attach the front panel to the chassis and test radio operation by referring to the Operating Instructions for the unit.

INSTALLATION USING KITS

1. If your vehicle requires the use of an installation kit to mount this unit, follow the instructions included with the installation kit to attach the unit to the mounting plate supplied with the kit.
2. Wire and test the unit as described in Step 3 above.
3. Install the unit/mounting plate assembly to the sub-dashboard according to the instructions of the installation kit.
4. Attach the support strap to the radio and dashboard as described in Step 5 above.
5. Replace the dashboard trim panel.

ISO INSTALLATION PROCEDURE

This unit has threaded holes in the chassis side panels which may be used with the original factory mounting brackets of some Toyota, Nissan, Mitsubishi, Isuzu, Hyundai and Honda vehicles to mount the unit to the dashboard. Please consult with your local car stereo specialist shop for assistance on this type of installation.

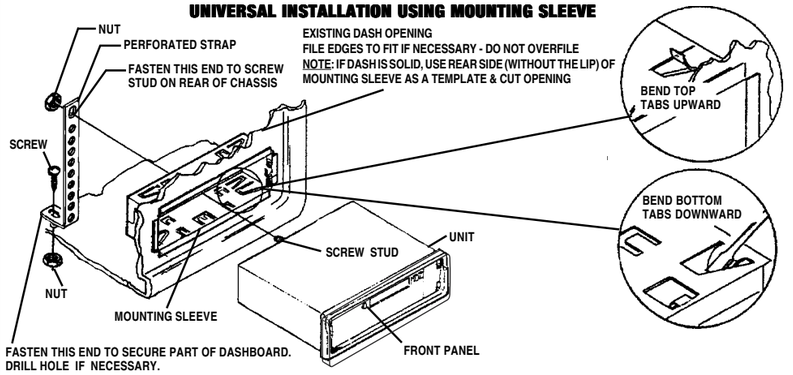
1. Remove the existing factory radio from its dashboard or center console mounting. Save all hardware and brackets as they will be used to mount the new radio.
2. Carefully un-snap the plastic frame from the front of the new unit chassis. Remove and discard the frame.
3. Remove the factory mounting brackets and hardware from the existing radio and attach them to the new radio.
4. Wire the new unit to the vehicle as per step 4 above.
5. Mount the new unit assembly to the dashboard or center console using the reverse procedure of step 1.

Toll-Free Installation Assistance

The installation and wiring connections for this unit are so simple, we doubt you'll need our help, but, if you do, we're here to help you. Just call our toll-free telephone assistance line at 1-800-645-4994 during the days and hours shown (U.S.A. and Canada only).

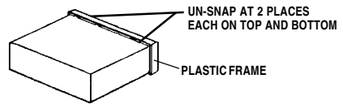
	TIME ZONES			
DAY	PACIFIC	MOUNTAIN	CENTRAL	EASTERN
MON - FRI	5:30AM - 4PM	6:30AM - 5PM	7:30AM - 6PM	8:30AM - 7PM
SATURDAY	6AM - 2PM	7AM - 3PM	8AM - 4PM	9AM - 5PM

UNIVERSAL INSTALLATION USING MOUNTING SLEEVE

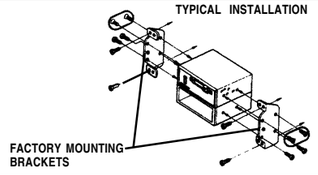


ISO INSTALLATION

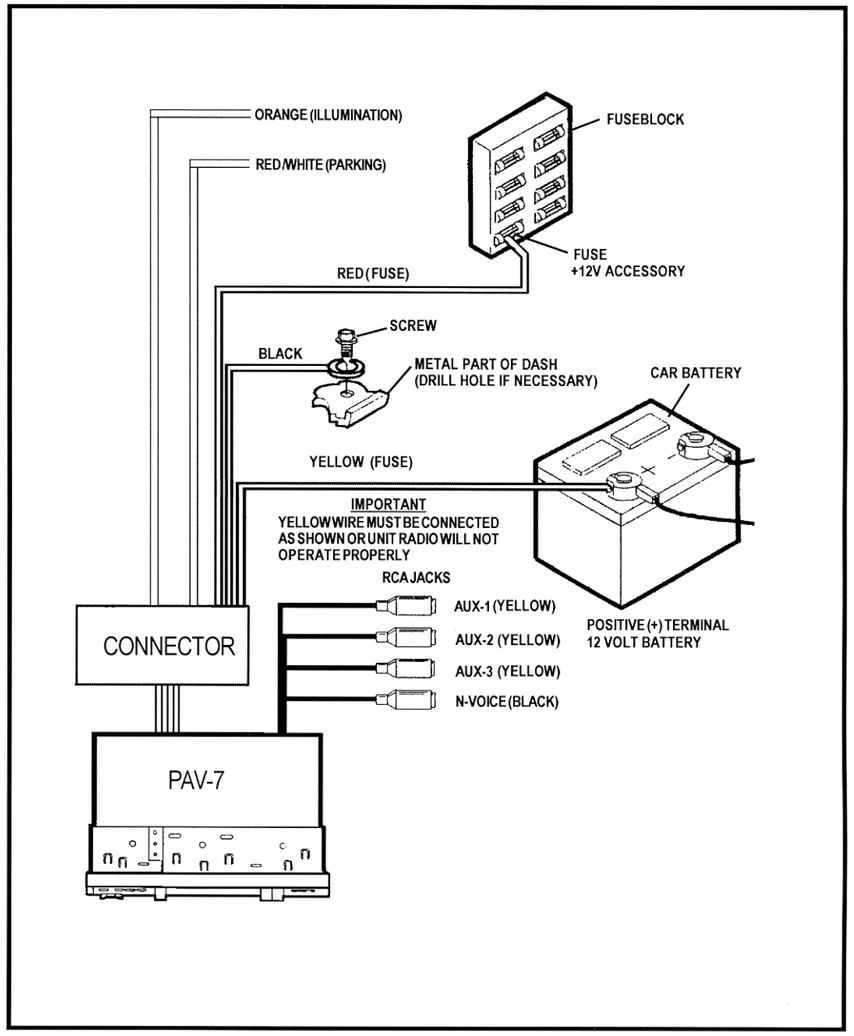
REMOVE THE PLASTIC FRAME FROM THE FRONT OF THE CHASSIS BY CAREFULLY UN-SNAPPING IT.



TYPICAL INSTALLATION

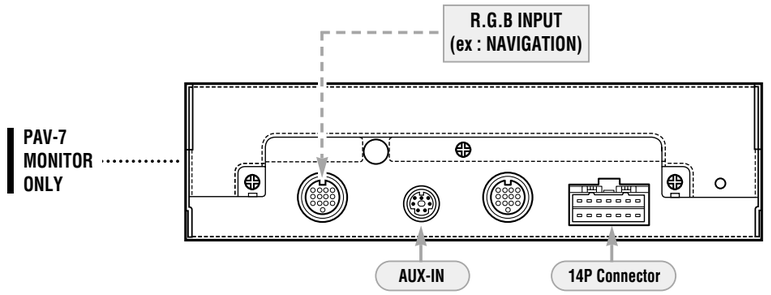


WIRING DIAGRAM

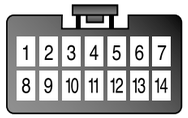


WIRING

System



14P Connector SPEC.(WIRE SIDE BASE)



No.	DESC.	Color	No.	DESC.	Color
1	BATTERY	Yellow	8	–	–
2	ACC (+)	Red	9	–	–
3	–	–	10	Parking Brake	Red/White
4	–	–	11	Illumination (+)	Orange
5	Ground (–)	Black	12	–	–
6	–	–	13	–	–
7	–	–	14	–	–

7P Socket

NO.	DESC.	Color
1	GND(NC)	–
2	GND(NC)	–
3	NAVI-VOICE	Black
4	AUX-2	Yellow
5	AUX-3	Yellow
6	NC	–
7	AUX-1	Yellow

PAV-7최종 2002.11.19 9:24 AM 페이지16

SPECIFICATION

DISPLAY SIZE	7″ Wide (154mm × 87mm)
PIXEL	112,320 pixels
SYSTEM	TFT Active Matrix
VIEW ANGLE	Left/Right :63° , Top : 65° , Bottom : 40°
INTERNAL LIGHTING	C-Type, Cathode Fluorescent Lamp, Edge Lighting System
OPERATION TEMP	– 10℃ ~ +70℃, 14℉ – 158℉
DURABLE TEMP	– 20℃ ~ +80℃, 4℉ – 176℉
SIZE	178mm(W)×180mm(H)×50mm(D), 7″(W)×7″(H)×2″(D)
WEIGHT	3 Kg, 6.5lb

IN PAL AREA

Intial Mode is Fixed With PAL D/K

- When the NAVI Key is pressed for longer than 2 sec.
- Selected system is displayed in green.
- Use the menu Up/Down to change from NTSC to PAL.
- Press the disp button to memorize the desired system(NTSC/PAL).

12 MONTH LIMITED WARRANTY

Applies to Audiovox Mobile Video Products

AUDIOVOX ELECTRONICS CORP. (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 12 months from the date of original purchase, such defect(s) will be repaired or replaced with reconditioned product (at the Company's option) without charge for parts and repair labor.

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 the Company at the address shown below.

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

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). 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 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 WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM 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 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 damage 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.

U.S.A. : AEC 150 MARCUS BLVD., HAUPPAUGE, NEW YORK 11788 1-800-645-4994

CANADA : CALL 1-800-645-4994 FOR LOCATION F WARRANTY STATION SERVING YOUR AREA

128-5495C

2002Audiovox Electronics Corporation, Hauppauge, N.Y. 11788

Printed in Korea
1286548