



**Planet Audio**

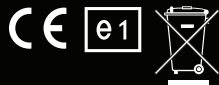
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## USER'S MANUAL



**Planet Audio**

**P7VHIR**

**7" Widescreen Headrest TFT Monitor**  
with Built-in Dual Channel Infrared Transmitter



## Troubleshooting

If you experience operation or performance problems with this product, compare your installation with the electrical wiring diagram on the previous page. If problems persist, read the following troubleshooting tips which may help eliminate the problems.

SYMPTOM	CAUSE	REMEDY
<b>No picture or sound.</b>	Power cord is not properly connected.  A/V input cables not properly connected.  A/V input source is not operating properly.	<i>Check that power connections are properly made and all fuses are in functioning condition.</i>  <i>Check all cables.</i>  <i>Replace or repair A/V source (DVD player, video game, etc.)</i>
<b>No picture.</b>	A/V signal not present.  Contrast and/or brightness is set improperly.	<i>Check all cables. If necessary, repair or replace A/V source.</i>  <i>Adjust contrast and brightness levels to see if picture appears.</i>
<b>Remote control does not function properly.</b>	Battery is dead.  Remote is not being used in direct line-of-sight with the player or remote IR sensor. Transmission is best within 6 feet/30° angle of IR sensor on monitor front panel, and within .	<i>Replace battery.</i>  <i>Be sure when being used, the remote is being pointed directly toward the player or remote IR sensor (if installed).</i>

## Specifications

MODEL	P7VHIR	7" Headrest Widescreen TFT Video Monitor with Built-in Dual Channel IR Transmitter
<b>A/V SYSTEM</b>		
<b>Screen size</b>	7" (16:9)	
<b>LCD panel type</b>	Active Matrix TFT	
<b>Video compatibility</b>	NTSC/PAL	
<b>Resolution, pixels</b>	1152 x 234 (widescreen)	
<b>Brightness</b>	450 NITS	
<b>Viewing angle</b>	From center: Left: 65°, Right: 65°, Up: 40°, Down: 65°	
<b>Video inputs</b>	Two L/R/Video RCA inputs, one 3.5mm A/V jack (front panel)	
<b>DUAL CHANNEL INFRARED AUDIO TRANSMITTER</b>		
<b>Power requirements</b>	12VDC	
<b>Power consumption</b>	3W	
<b>Operating frequencies:</b>	Channel A: 2.3MHz/2.8MHz (L/R) Channel B: 3.2MHz/3.8MHz (L/R)	
<b>GENERAL</b>		
<b>Power requirements</b>	12V DC	
<b>Power consumption</b>	9W	
<b>Dimensions (L x H x D)</b>	7.8" x 5.4" x 1.2"	

*All specifications subject to change without notice.*



### P7VHIR

*7" Headrest Widescreen  
TFT Video Monitor  
with Built-in Dual Channel  
Infrared Transmitter*

#### **Congratulations on your purchase of a Planet Audio Video Monitor.**

It has been designed, engineered and manufactured to bring you the highest level of performance and quality, and will afford you years of viewing pleasure.

Thank you for making Planet Audio your choice in car video entertainment!

### **WARNING!**

**Do not watch or operate the video monitor while driving.** Doing so is unsafe and can distract the driver, which may cause an accident.

In some states or countries it is illegal for a driver to operate or view a video monitor while driving. It may also be illegal for a passenger to operate or view a video monitor in a moving vehicle even if the driver is not watching it.

Be sure that the installation and operation of this product is in compliance with local rules and regulations.

## USER'S MANUAL

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## General precautions

Please read this manual completely and carefully prior to attempting to install your new **Planet Audio** mobile video equipment. Installed correctly, your **Planet Audio** equipment will provide you with years of enjoyable and safe usage.

Installation of this equipment in any portion of a vehicle which impairs or distracts the driver is improper and dangerous. **Planet Audio** assumes no liability whatsoever for failure to follow the proper installation of this product.

Please keep this manual in a safe place for future reference.

## Safety precautions

- Do not operate this equipment while driving – safe driving should always be your highest priority.
- Do not install this product in a location which allows the monitor screen to be visible to the driver of the vehicle. In some states and countries, the viewing of images on a screen inside a vehicle is illegal, even by people other than the driver. Be sure that the installation and operation of this system is in compliance with local rules and regulations.
- Do not open or attempt to repair this unit yourself. Dangerous high voltages are present which may result in electric shock. Refer any repairs to a qualified service technician.
- Do not attempt to repair a damaged, broken or faulty power cord. Replace it with a new one immediately.

- To avoid risk of electronic shock or damage to the monitor, do not permit any of this equipment to become damp or wet from water or drinks. If this does occur, immediately unplug the power cord and send the monitor to your local dealer or service center as soon as possible.

- If there is smoke or any peculiar odor present during use or if there is damage to any of the component enclosures, immediately unplug the power cord and send the monitor to your local dealer or service center as soon as possible.

**SHOCK HAZARD! Do not open the case of this product.** There are dangerous voltages present within the unit. There are no user-serviceable parts within the unit.

## Dual Channel Infrared Audio Transmission

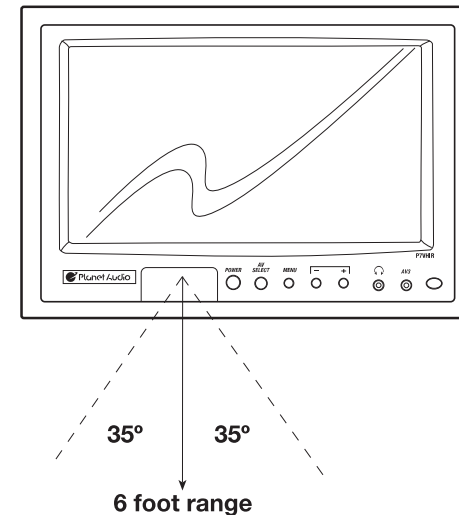
The P7VHIR monitor includes a dual channel wireless infrared transmitter. The transmitter sends a high-quality stereo signal which can be received by a pair of HP25 wireless infrared headphones (sold separately).

For the transmission to occur properly, the headphones must be in line-of-sight with the IR transmitter window on the front of the monitor. The transmission is best within 6 feet of the monitor and no more than 35° to the right of or left.

The dual channel feature allows you to listen to the audio from this monitor with IR headphones while another monitor transmits audio on a different frequency to another listener. (Please note: the P7VHIR only broadcasts on one frequency band at a time.)

To change the audio channel on which the P7VHIR is broadcasting, simply press the MENU button on the remote control or the front panel, select the parameter adjustment for IR-A/IR-B (channel A or channel B) and use the UP/DOWN (+/-) buttons to switch between the two options.

*NOTE: Most IR single channel headphones operate on Channel A (2.3MHz/2.8MHz). If you are trying to use a single channel headphone system (i.e., NOT the Model HP25), try Channel A first. To use Channel B, you will probably need a dual channel headphone like the HP25).*





## On-screen (OSD) menu system

This monitor incorporates an on-screen menu display systems which permits you to setup the monitor for a wide variety of installations and applications.

Enter the OSD menu system by pressing the MENU button on the front of the monitor (or the remote control). The monitor will display a menu with the following functions, which you can adjust individually:

**BRIGHTNESS:** Makes the image more or less bright

**CONTRAST:** Increases or decreases the image intensity

**COLOR:** Makes the colors more or less saturated

**TINT:** Permits you to shift the color range, making it greener or redder.

**MIRROR:** Reverses the displayed image (useful with rear camera systems)

**IR-A/IR-B (Infrared Channel A or B):** Permits you to select the IR audio transmission frequency.

**RESET:** Returns all settings to factor values

**EXIT:** Allows you to exit the OSD system.

The basic navigation method for this menu system is to:

- 1 - Press the MENU button to enter the OSD system
- 2- If necessary, press the MENU one or more times until you have highlighted the parameter you wish to adjust or change
- 3 - Use the UP/DOWN (+/-) buttons to change the setting
- 4- press the MENU button to save the new setting and move to the next item.

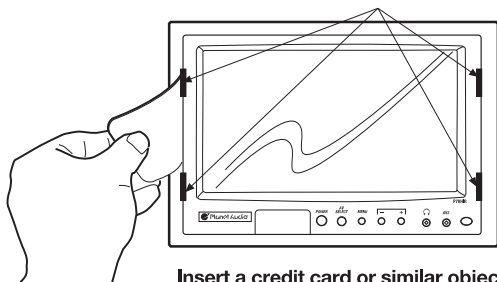
To exit the OSD system press the MENU button until you have highlighted EXIT and press the UP/DOWN (+/-) buttons to exit.

## Removing the monitor

Should you need to remove the monitor from the shroud, insert the credit card type removal key as shown in the diagram below.

Insert this card or a similar object into the gap between the monitor and the shroud (as shown in the diagram) to depress the two snap catches on the side of the monitor which secure it. Then use the card to gently lift the right side of the monitor out of the shroud and remove it.

Be sure to push the monitor all the way back in until you feel a click when you are reassembling the monitor system.



**Insert a credit card or similar object into the gaps on the top edge of the monitor to depress the tabs to release it.**

## Installation precautions

Choose a mounting location in your vehicle where the unit will not distract or otherwise interfere with the driver's ability to control the vehicle.

Do not install components in areas which are susceptible to rain, moisture, direct sunlight, extreme heat or cold, excessive dust, dirt or humidity.

If installation requires drilling holes or other modifications to the vehicle, consult with your nearest dealer or professional car audio installer.

Use only the installation parts and hardware provided with the unit to ensure proper installation. Using other parts can cause malfunction and possible damage to your **Planet Audio** video monitor.

Use only a power source with 12 Volts DC (negative ground).

Before final installation, temporarily connect the wiring according to the diagram near the end of this manual, check it to ensure that it has been connected properly, and test the unit to make sure it is working correctly.

After the monitor is installed, do not arbitrarily pull it down or strike it. This may loosen the mounting screws and cause it to fall down.

## Operating precautions

Turn the unit off when it is not in use.

Avoid dropping any metal objects or inflammable items into the monitor ventilation slots.

Do not place objects on or suspend objects from the power cord, as this may damage the cord.

## Features

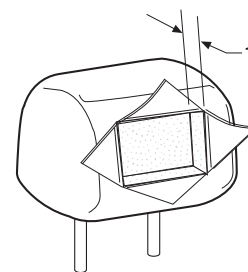
Your new video monitor features the following:

- **TFT Active Matrix LCD display**
- **Dual-channel infrared audio transmitter**
- **On-screen menu system**
- **Two AV RCA-type inputs**
- **One front panel 3.5mm A/V input connector**
- **Wireless remote control**

## What is included?

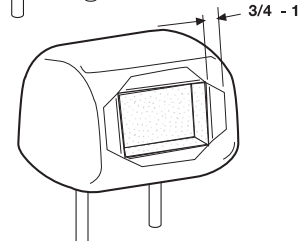
When first unpacking your new flip-down monitor, please check first that the package contains all of the items below. If something is missing, contact the store where you purchased the player.

- **LCD monitor**
- **Mounting shroud**
- **Trim bezel**
- **Wireless remote control with battery**
- **Power/AV cable**
- **RCA/3.5mm A/V jack adaptor cable for use with front panel A/V input jack**
- **Mounting screws**
- **Monitor removal key**

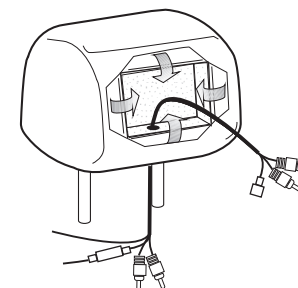


Set the adjustable blade to 1" depth, and cut around the edges of the hole, staying 1/4" inside the edge. Pull up one corner of the foam rectangle, and use the blade to cut underneath – remove a small section at a time, using the "pull up and cut" method for uniform depth. If necessary, use a Dremel tool or other appropriate tool to remove any other obstructions present.

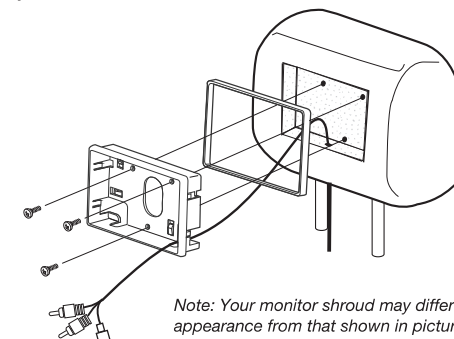
Using a sharp scissors, cut the points off the flaps of upholstery material to about 3/4" - 1" wide.



Route the cable through the opening just cut, and out the bottom of the headrest. If possible, conceal the cable using a gear shift covering or similar. Then fold the four flaps into the cavity in the headrest.



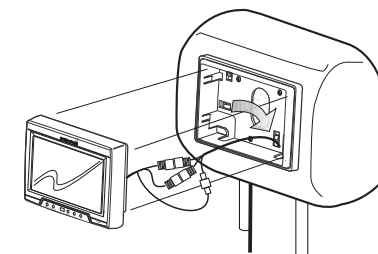
Slide the trim frame onto the monitor shroud and slide the assembly into the cavity in the headrest. As you do this, feed the cable through the headrest as shown in the diagram. Secure the shroud with the three screws as shown.



*Note: Your monitor shroud may differ in appearance from that shown in picture.*

*NOTE: Headrests vary in their construction. Most headrests have a plastic plate inside into which you can directly attach the mounting screws. However, in some cases this plate is absent or is too deeply located for attachment. In this case, you may wish to cut a plate of wood of appropriate thickness and hot-glue it into place to use as a mounting plate.*

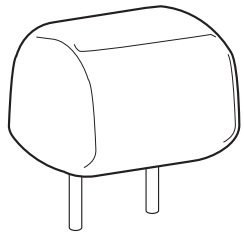
Connect the RCA cables and the power cable, and slide the monitor into the shroud until you feel a click. As you do so, push the cables into the headrest shroud so they travel into the area behind the shroud and out below the headrest.



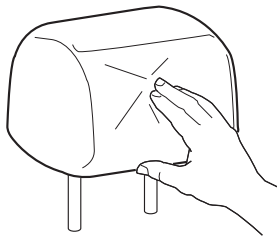
## Monitor installation

### CAUTION

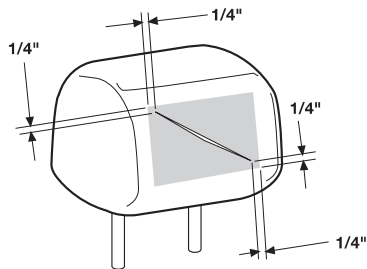
If you have any doubts about this type of installation, please consult your local mobile electronics retailer. Making holes in the upholstery of your vehicle can cause damage which is expensive to repair.



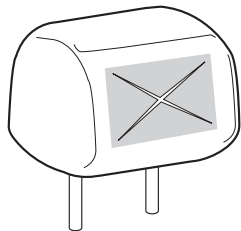
Carefully remove the headrest and set it down in an uncluttered work area. Take the appropriate precautions to ensure it is not damaged during installation.



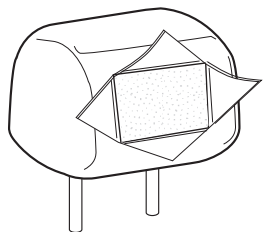
Push on the headrest with your fingers to make sure there are no obstructions inside that would interfere with the installation. After you confirm that there are no internal obstructions, take the paper template provide in place, and mark the area to be cut.



Using a sharp, adjustable-depth blade knife, make a diagonal cut beginning 1/4" INSIDE from one corner, and ending 1/4" INSIDE from the opposite corner.

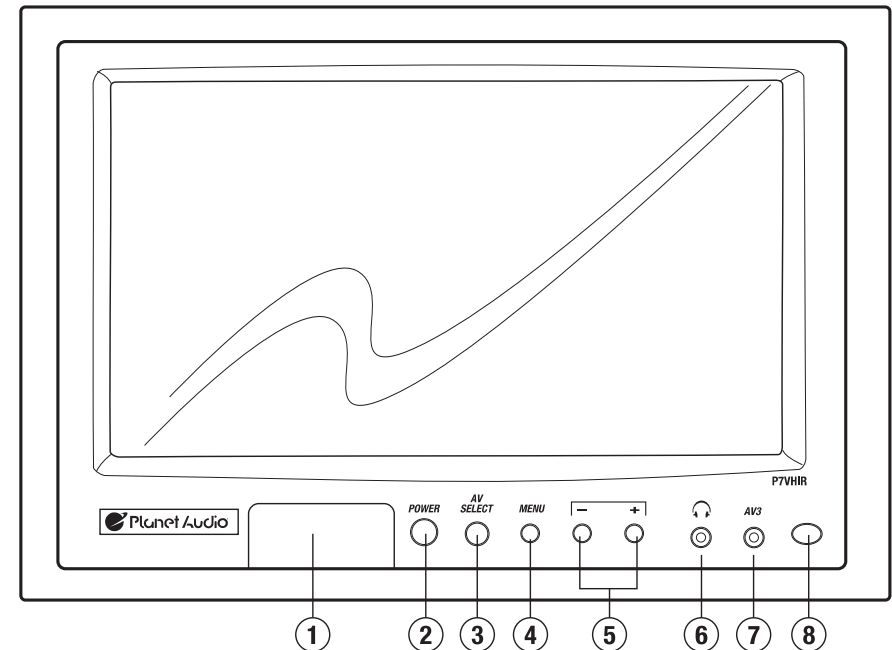


Repeat, cutting diagonally between the two other corners.



Carefully peel back the upholstery material.

## Monitor Controls and Features



### ① DUAL CHANNEL IR AUDIO TRANSMITTER LENS

### ② POWER ON/OFF

This button turns the monitor system on and off.

### ③ A/V SOURCE SELECTOR

Use this button to switch between A/V Source 1, A/V Source 2 and A/V Source 3 (front panel input).

### ④ MENU

This button enables the on-screen display menu system. Once enabled, this button is used as an ENTER button.

### ⑤ UP/DOWN BUTTONS

These buttons are used to increase or decrease parameters in the on-screen display menu system.

### ⑥ HEADPHONE JACK

Use for private listening.

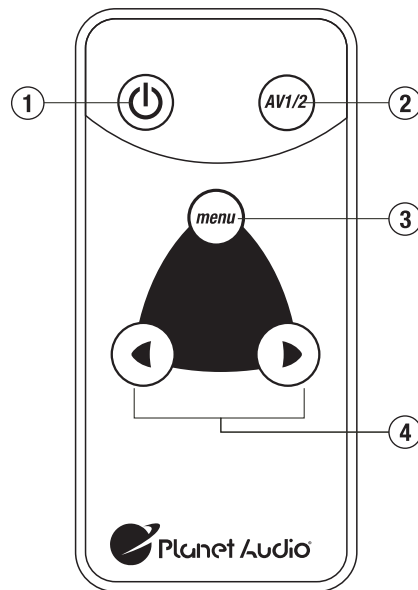
### ⑦ AV INPUT 3

Additional AV input for such items as video games.

### ⑧ REMOTE IR SENSOR

## Remote Control

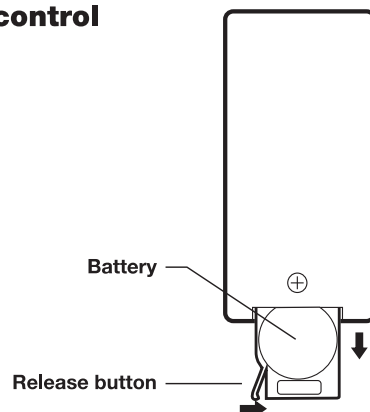
- ① **POWER**  
Press to turn unit ON or OFF.
- ② **AV SOURCE SELECTOR**  
Use this button to switch between A/V Source 1, A/V Source 2 and A/V Source 3 (front panel input).
- ③ **MENU**  
This button enables the on-screen display menu system. Once enabled, this button is used as an ENTER button.
- ④ **INCREASE/DECREASE BUTTONS**  
These buttons are used to increase or decrease parameters in the on-screen display menu system.



## Changing the battery in the remote control

The remote battery is held in a small “drawer” on one edge of the remote. To open this drawer, press and hold the small button on the edge of this drawer (as shown below) and slide the drawer out.

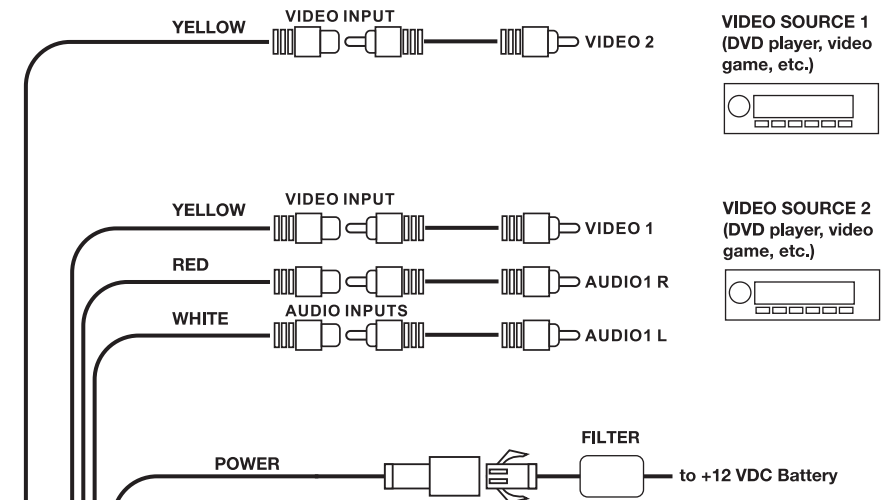
Insert a new battery and push the drawer back fully into the remote.



## System wiring

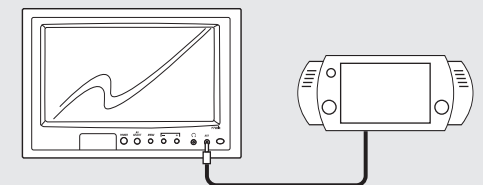
On a towel or soft cloth, gently place the monitor assembly “face down” on a stable worksurface.

Using the wires provided, complete the audio, video and power connections in your vehicle as shown in the diagram below.



### FRONT PANEL A/V INPUT FEATURE

After installation, you can also use the 3.5mm A/V input jack on the front panel to attach a video game or other portable A/V source.



If the cable supplied with your device does not have a 3.5mm A/V jack, you can use the 3.5mm/composite RCA adaptor cable provided with the P7VHIR.

