



## CAUTIONS AND WARNINGS

To obtain the best results and to avoid malfunctions, PLEASE READ CAREFULLY THE DESCRIPTIONS AND OPERATING PROCEDURES CONTAINED IN THIS OWNER'S MANUAL PRIOR TO OPERATING THE VIDEO CASSETTE PLAYER.

	<table border="1"><tr><td><b>CAUTION</b></td></tr><tr><td>RISK OF ELECTRIC SHOCKS DO NOT OPEN</td></tr></table>	<b>CAUTION</b>	RISK OF ELECTRIC SHOCKS DO NOT OPEN	
<b>CAUTION</b>				
RISK OF ELECTRIC SHOCKS DO NOT OPEN				
<p><b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>				

This user manual employs the following symbols to indicate different types of warning messages.



Indicates a warning or notice regarding product operation.

Indicates the presence of important operating and maintenance (servicing) instructions.



Indicates the presence of un-insulated dangerous voltage within the unit enclosure.

**WARNING:** TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

**AVERTISSEMENT:** POUR PRÉVENIR LES RISQUES D'INCENDIE ET D'ÉLECTROCUTION, NE PAS EXPOSER CET APPAREIL À LA PLUIE NI À L'HUMIDITÉ.

---

**Note to CATV system installer:**

When installing this equipment in the home adhere to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**NOTE:**

This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, it can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

---

## **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 driver's seat, or that is visible, directly or indirectly, to the driver while operating the vehicle. Furthermore, and in the interest of safety, this VCP should never be connected to a video monitor that is installed in a location 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.

## TABLE OF CONTENTS

---

**NOTE:** This Video Cassette Player (VCP) is compatible with any Video Cassette bearing the VHS mark. The Video Cassette Player is designed to expand your opportunities for home or mobile viewing and is not intended for any usage which might violate the copyright laws.

Save the original shipping carton and packing materials; they will come in handy if you ever have to ship your VCP. For maximum protection, repack the set as it was originally packed at the factory.

SAFETY INSTRUCTIONS .....	3
IMPORTANT SAFEGUARDS .....	4
VIDEO HEAD CLEANING .....	6
FEATURES .....	7
CONTROLS AND INDICATORS .....	8
GETTING STARTED .....	12
BASIC OPERATION .....	14
SPECIAL OPERATION .....	16
BEFORE CALLING TECHNICAL SUPPORT .....	20
SPECIFICATIONS .....	23

## SAFETY INSTRUCTIONS

---

- 1 Read Instructions - All the safety and operating instructions should be read before the Video Cassette Player is operated.
- 2 Retain Instructions - The safety and operating instructions should be retained for future reference.
- 3 Heed Cautions and Warnings - All cautions and warnings regarding the Video Cassette Player should be adhered to.
- 4 Follow Instructions - All operating instructions should be followed.
- 5 Cleaning - Unplug or turn off vehicle power to the Video Cassette Player before cleaning. Do not use liquid cleaners or aerosol cleaners. Use only a damp cloth for cleaning.
- 6 Attachments - Do not use attachments not recommended by the Video Cassette Player manufacturer as they may cause hazards.
- 7 Water and Moisture - Do not use this video product near water, for example, near a bath tub, kitchen sink, near a swimming pool or other wet locations.
- 8 When used in vehicles, the Video Cassette Player must be securely fastened.
- 9 Ventilation - Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the Video Cassette Player and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the Video Cassette Player on a bed, sofa, rug, or other similar surface. The Video Cassette Player should never be placed near or over a radiator or heat register. This video product should not be placed in a built-in installation such as a book case or rack unless proper ventilation is provided.
- 10 Power Sources - The Video Cassette Player should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power or other sources, refer to the operating instructions.

For your protection, record the model and serial numbers of your video cassette player here. In the event your player requires servicing or is stolen, you may need this information. You may also wish to clip or staple your sales receipt to this page.

Model Number: \_\_\_\_\_

Serial Number: \_\_\_\_\_

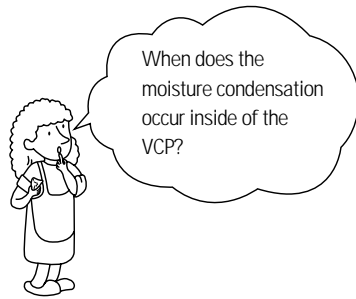
Date Purchased: \_\_\_\_\_

Store's Name and Address: \_\_\_\_\_

## IMPORTANT SAFEGUARDS

### MOISTURE CONDENSATION

Whenever warm, moist air contacts a cold surface, the water vapor in the air will condense on the cold surface, like a glass of cold water “sweats” on a hot summer day. When the VCP is very cold, and warm air comes in contact with the heads, condensation can occur in the same day. Operating the VCP with condensation on the heads can damage the VCP as well as the videotape.

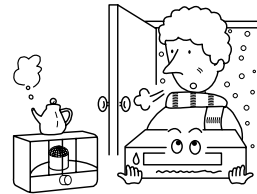


When moving the VCP from a cold place to heated place.

Or the temperature of surroundings goes up due to room heating switched on.

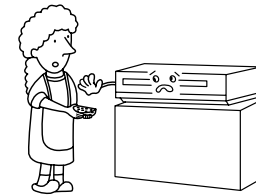
Or moving the VCP suddenly from air conditioned room to a place of high temperature and/or humidity in summer may cause the dew indicator to light up.

When inside of vehicle and VCP are very cold, and vehicle's interior is heated abruptly, do not use in this condition.



This VCP has a “Dew Sensor” to detect condensation inside the VCP. When Dew mode is activated, the Dew indicator on the front of the VCP flashes and the VCP will not allow play FFW or REW modes to be activated.

When the moisture condensation occurs inside of the VCP, NEVER insert the cassette into the cassette compartment. Remove the cassette, if loaded, by pressing the STOP/EJECT key. Only operate the VCP after the moisture condensation has completely dried out. Normally, it takes about 2 hours.



## SERVICE

–If the set has been subjected to excessive shock by being dropped, or the cabinet has been damaged.



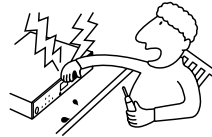
–If the set does not operate normally when following the operating instructions, adjust only those controls that are specified in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the set to normal operation.



–When the set exhibits a distinct change in performance, this indicates a need for service.

**Servicing**—Do not attempt to service the set yourself as opening or removing covers may expose you to dangerous voltage or other hazards.

Refer all servicing to qualified service personnel.



**Replacement of parts**—When replacement of parts is required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.

**Safety Check**—Upon completion of any service or repairs to the set, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the set is in safe operating condition.



## VIDEO HEAD CLEANING

---

### VIDEO HEAD CLOGGING

The video heads enable the VCP to read video information pictures from the tape during playback.

In the unlikely event that the heads become badly clogged, video playback will be severely impaired. This can easily be determined if, during playback of a known good tape, there is good sound, but the picture is extremely snowy. If this is the case, have the video cassette player checked by qualified service personnel.



### VIDEO HEAD CLEANING

#### NOTES

During normal operation of the VCP, the video and audio heads can accumulate dirt over a period of time, especially when using an old or poor quality tape. When the heads are dirty, the picture can get snowy and the tracking control will have little or no effect. If this condition occurs, head cleaning cartridges may take care of the problem and restore normal picture. We recommend that head cleaning cartridges be used sparingly since they are very abrasive and can damage the video heads during prolonged use. If the problem is not resolved with the head cleaning cartridge then the unit needs to be checked by a qualified service personnel.

**NOTE:** Video heads may eventually wear out and should be replaced when they fail to reproduce clear pictures. To help prevent video head clogging, use only good quality VHS tapes. Discard worn out tapes. Do not leave tapes on the floor of the vehicle. Store tapes not being used in their cases. Do not leave video tapes inside a hot vehicle.

## FEATURES

---

CONGRATULATIONS on your purchase of the AVP-9500 Video Cassette Player. This unit is designed to satisfy all your VHS tape playback needs and with proper use and care, will offer many years of viewing enjoyment. The features of the Model AVP-9500 Video Cassette Player include:

- **DIGITAL AUTO TRACKING**

This VCP plays clear pictures without special operations.  
In the Auto Tracking Mode, the PLAY indicator blinks.

- **SELF PICTURE ADJUSTMENT**

Since HEAD DRUM rotation continuously compensates for voltage change or tape condition, the picture is always stable.

- **AUTO START FUNCTION**

This VCP will automatically power on and go into PLAY mode when a cassette is inserted.

- **4-HEAD Hi-Fi PLAYBACK**

- **AUTO REPEAT PLAYBACK**

In the AUTO REPEAT mode, the VCP will , at the end of the tape ,rewind and enter the playback mode.

- **TWO TYPES OF INFRARED (IR) INPUT FOR REMOTE CONTROL**

Two wire interface with various Flexvision video monitor products.

- **DC Operation with specialized tape mechanism**

- **Diamond Like Coated (DLC) Video Head**

A special coating on the tape drum which prevents oxide and moisture build-up.

- **Illuminated function buttons**

- **DEW SENSOR**

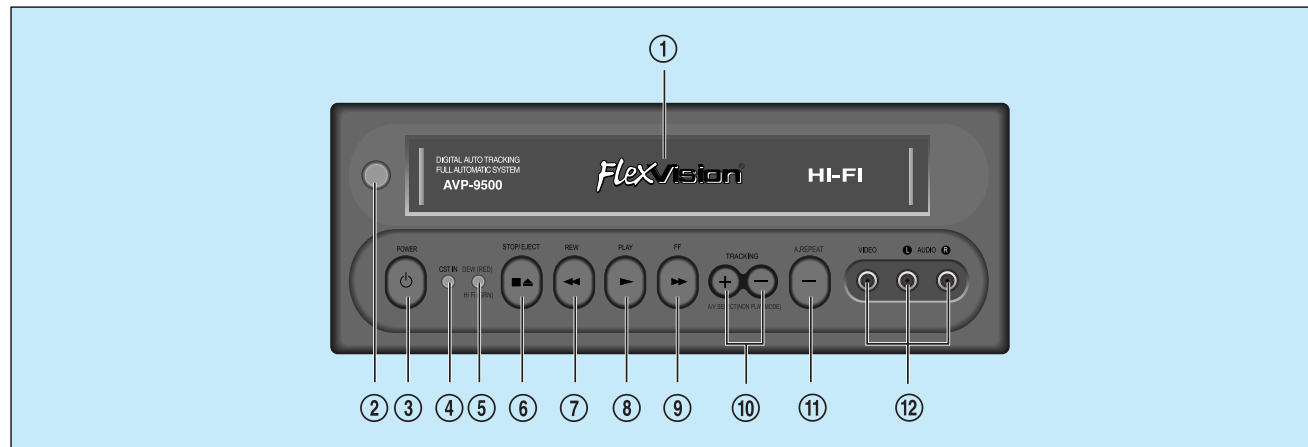
Prevents a tape from being played when moisture is detected in the unit.

- **ON SCREEN DISPLAY**

- **HI-FI STEREO AUDIO OUTPUT**

## CONTROLS AND INDICATORS

### FRONT PANEL



① **Cassette Compartment**

Accepts the VHS tape for playback.

② **Remote Control Receiver**

③ **Power Button**

When pressed this button alternately turns the VCP on and off. When power is applied to the unit, the power indicator lights red (dimly). The Power ON and Power OFF mode will

be toggled by pressing this key. When the POWER is switched on, the power lamp will light up in red and the other function buttons light green.

④ **CST-IN Indicator**

Lights green when the cassette is inserted.

## CONTROLS AND INDICATORS (CONTINUED)

---

### ⑤ DEW (Red)/ Hi Fi (Green) Indicator

When power is on, this indicator flashes red to indicate excessive moisture buildup inside the VCP. The unit will not operate until it dries out sufficiently (the tape can be ejected from the unit). When DEW mode has been activated, leave the unit on to allow it to dry out completely.

When detected Hi-Fi audio mode in the playback mode, this indicator lights green.

### ⑥ Stop/Eject Button

When pressed during play mode, the tape is stopped.

When pressed during stop mode, the tape is ejected.

### ⑦ Rewind/Review Button

If this button is pressed in the PLAYBACK mode, the VCP enters the reverse picture search mode. If pressed in STOP mode, the tape will rewind at high speed and the REW indicator will light red.

### ⑧ PLAY Button

Press this key to play back a recorded tape. In the playback mode, the playback indicator lights red, and in Auto Tracking mode, this indicator will blink.

### ⑨ Fast Forward/Cue Button

When this button is pressed during playback, the FF indicator lights red and the VCP enters the forward picture search mode. When pressed during stop, the tape will fast forward at high speed.

### ⑩ Tracking +/-, A/V Mode Select

In the playback mode, this button allows the manual reduction of streaks which may appear on the picture during regular or slow motion playback. Reduces picture "jitter" during play-pause mode.

Use these buttons to select AV1 and AV2 when the VCP is in any mode other than play. When VCP is in play mode, AV1 and AV2 are overridden by VCP playback and these buttons adjust tracking only.

### ⑪ Auto Repeat Button

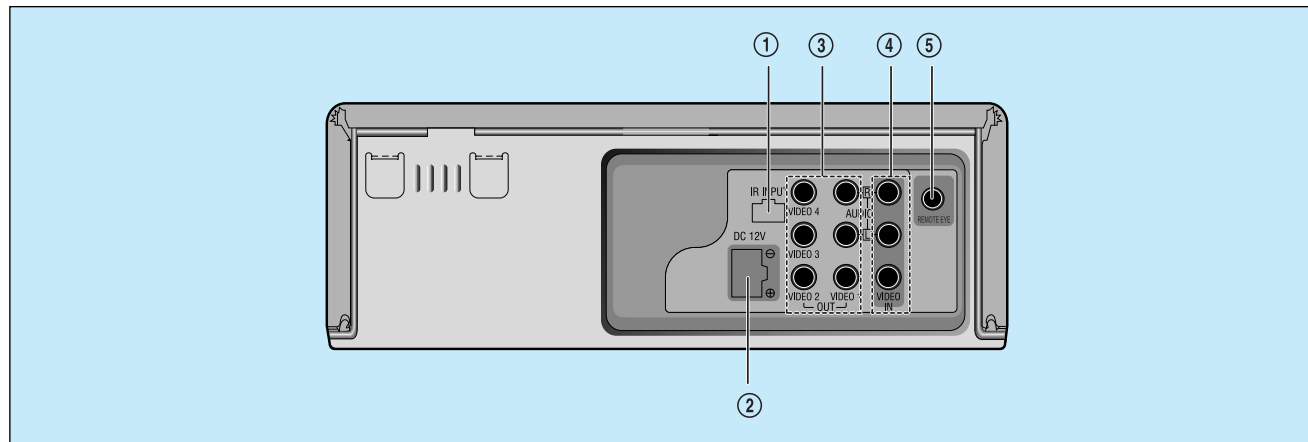
The VCP cycles through the following mode and the indicator lights red. The tape will play to the end, rewind to the beginning and play again.

### ⑫ AUDIO/VIDEO IN Jacks

Connect these jacks to the audio/video out jacks terminal of your Game machine or Camcorder using the RCA cord provided.

## CONTROLS AND INDICATORS (CONTINUED)

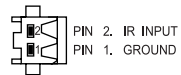
### REAR PANEL



#### ① Infrared (IR) INPUT Connector

This connector provides a two wire interface with various Flexvision video monitor products.

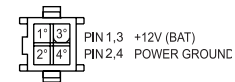
\* Connector description



#### ② DC 12V Jack

When using a DC power source, connect this jack to 12V DC.

\* Connector description



## CONTROLS AND INDICATORS (CONTINUED)

---

③ **AUDIO/VIDEO OUT Connectors**

These connectors provide an interface to the AUDIO/VIDEO IN connectors of your video monitor, using an RCA cord.

④ **AUDIO/VIDEO IN Connector**

These connectors provide an interface to the AUDIO/VIDEO OUT connectors of your Game machine or Camcorder using an RCA cord.

⑤ **Infrared (IR) INPUT Connector (Remote Eye)**

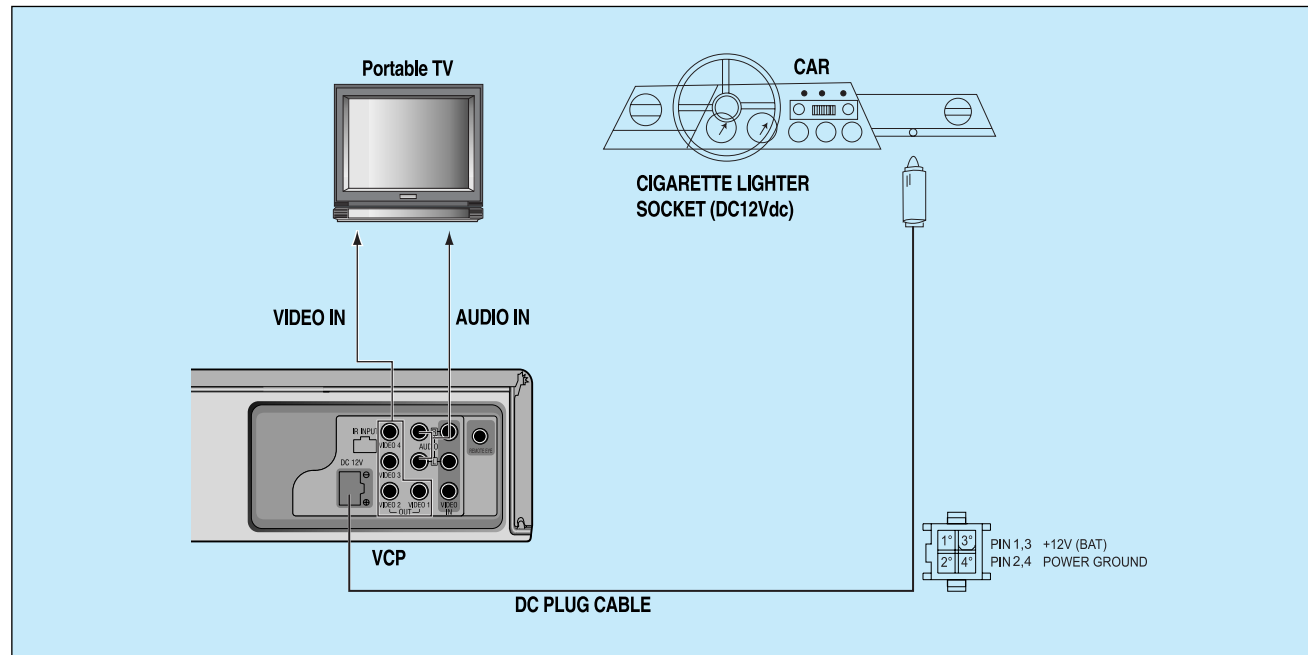
This connector provides a three-wire interface with receiver accessory. (Remote Eye). (P/N 136-2070)

**CAUTION:** This VCP is for 12Vdc use only; **DO NOT** use in 24Vdc vehicles. If you use this unit in a 24Vdc vehicle, all the indicator lamps will blink indicating a major malfunction. Disconnect the plug from the power source immediately.

## GETTING STARTED

### VCP TO VEHICLE CONNECTION

- Connect the unit to a 12Vdc source only.
- The unit should be connected to the vehicle only after verifying the polarity of the cigarette lighter socket. (12Vdc with negative ground)



## GETTING STARTED (CONTINUED)

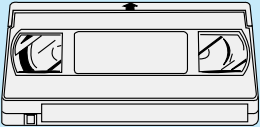
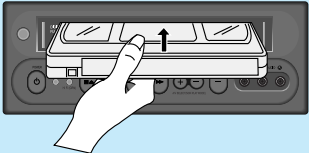

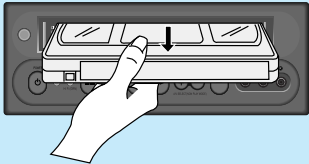
---

### 12 VOLT POWER NOTES

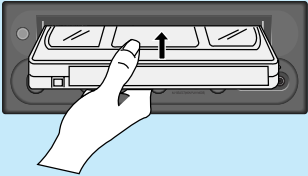
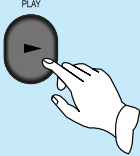
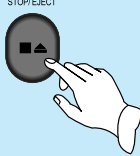
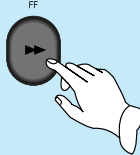
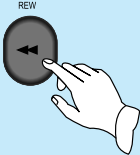
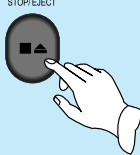
- This VCP operates on 12Vdc only. If you apply more than 18Vdc, the VCP will automatically turnoff.
- If the polarity is reversed, the unit will not operate.
- Use of this VCP is not recommended in excessive heat. If the inside temperature of the vehicle is over 100F, do not use the VCP. Allow the VCP to cool before use.

## BASIC OPERATION

### CASSETTE LOADING/UNLOADING

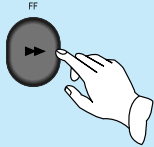
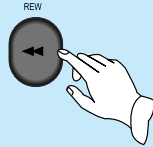
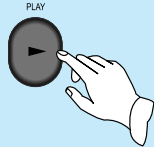
LOADING	UNLOADING
<p data-bbox="486 555 1084 624">❶ Push the cassette into the cassette compartment gently. (Arrow mark at the top)</p>  <ul data-bbox="499 818 925 847" style="list-style-type: none"><li>• An inverted cassette cannot be inserted.</li></ul> <p data-bbox="486 890 920 919">❷ The CST-IN indicator lamp lights green.</p>  <ul data-bbox="499 1153 1084 1238" style="list-style-type: none"><li>• Upon inserting the cassette, the VCP power turns on and cassette play begins as long as DC power is applied to the VCP.</li></ul>	<p data-bbox="1142 555 1733 675">❶ Press the VCP STOP/EJECT button twice (in the PLAYBACK mode). This first press stops the tape, while the second press ejects the tape. The CST-IN indicator will turn off.</p>  <p data-bbox="1142 895 1462 924">❷ Pull the cassette out gently.</p>  <ul data-bbox="1158 1153 1718 1238" style="list-style-type: none"><li>• When you press the STOP/EJECT button, even if the power is "off", the cassette will be ejected as long as power is applied to the unit.</li></ul>

## BASIC OPERATION (CONTINUED)

<p><b>1 LOADING</b></p>  <p>The power is turned on automatically when the cassette is inserted even if the power switch was off.</p>	<p><b>2 PLAYBACK</b></p>  <p>Press the PLAY button. Picture will appear within approximately 8 seconds. The tape will rewind automatically to the beginning after the end of the tape is reached and will eject.</p>	<p><b>3 STOP</b></p>  <p>Press the STOP/EJECT button once. The tape will stop.</p>
<p><b>4 FAST FORWARD</b></p>  <p>Press the FF button in the STOP mode. The tape advances at high speed without any picture and sound.</p>	<p><b>5 REWIND</b></p>  <p>Press the REW button in the STOP mode. The tape will rewind at high speed without any picture and sound.</p>	<p><b>6 EJECT</b></p>  <p>Press the STOP/EJECT button once more (in the STOP mode), and the tape will eject.</p>

## SPECIAL OPERATION

The VCP enters the playback mode as soon as the PLAY key is pressed. During special operations, noise bars and loss of color may affect the picture. This is not due to a VCP malfunction.

❶ TO VISUALLY SEARCH FORWARD	❷ TO VISUALLY SEARCH REVERSE
<p data-bbox="719 564 871 711"></p> <p data-bbox="508 730 999 799">Press the FF button once in the PLAYBACK mode. The tape advances rapidly with the pictures.</p>	<p data-bbox="1384 564 1536 711"></p> <p data-bbox="1167 730 1688 799">Press the REW button once in the PLAYBACK mode. The tape will rewind rapidly with the pictures.</p>
❸ TO OPERATE RE-AUTO TRACKING	
<p data-bbox="719 909 871 1056"></p> <p data-bbox="981 916 1420 984">Press the PLAY button during play-back. The VCP enters the Re-Auto Tracking mode.</p>	

## SPECIAL OPERATION (CONTINUED)

### 4 AUTO REPEAT PLAYBACK

- Press the PLAY button for 2 seconds or A.REPEAT button in the playback mode. The AUTO REPEAT light will illuminate. The VCP cycles through the following modes and the AUTO REPEAT lamp lights red. The tape will play to the end, rewind to the beginning and play again.  
“PLAYBACK → THE END OF THE TAPE → REWINDING → PLAYBACK”.
- Other controls have no effect during the Auto Repeat mode.
- To exit the Auto Repeat mode, press the PLAY button for 2 seconds or A.REPEAT button again. The AUTO REPEAT indicator will turn off and stop the tape.



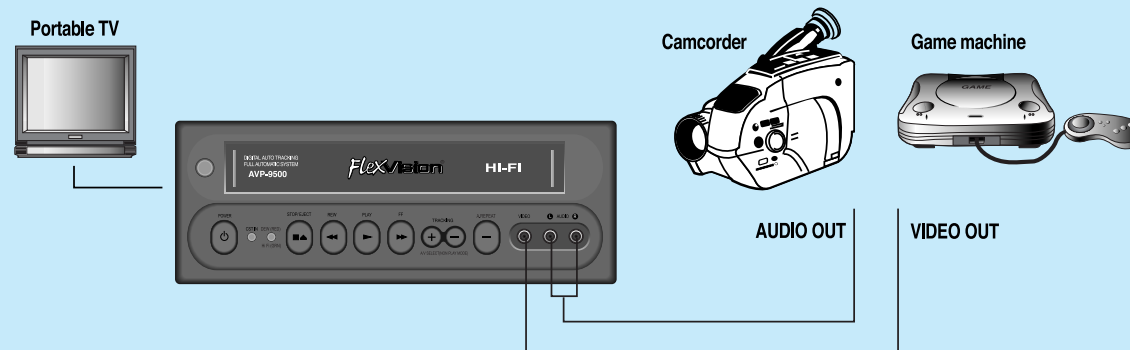
PLAY Button A. REPEAT Button

## SPECIAL OPERATION (CONTINUED)

### 5 VCP TO GAME MACHINE OR CAMCORDER CONNECTION

- If you connect a Video Game machine or a Camcorder to the VCP, you can monitor the picture of the Video Game machine or Camcorder video on the video monitor connected to the output of the VCP.

AV modes can be selected using the tracking +/- buttons when VCP is in any mode other than play mode. See page 9 for details.



- During play mode of the VCP or Cue/Review modes, the VCP has priority over the front and rear jacks.

## SPECIAL OPERATION (CONTINUED)

### 6 AUTO TRACKING ADJUSTMENT

- Since this VCP features the Auto Tracking Adjustment function, it can play clear pictures without special operations.
- Auto Tracking Adjustment operates automatically when the cassette is inserted.
- The red Playback indicator blinks during auto tracking operation. When tracking is completed, the playback indicator lights steadily.
- If noise bars appear in the picture during playback, press the PLAY key to initiate the Re-Tracking function.



PLAY Button

**NOTE :** This VCP has an Auto Start Feature whereby the unit will automatically power on and go into PLAY mode when a cassette is inserted, provided the unit is connected to a power source.

## BEFORE CALLING TECHNICAL SUPPORT

Before calling, check the following points for a possible cause of the trouble. A minor adjustment on your part may eliminate the problem.

SYMPTOMS	CAUSE	POSSIBLE SOLUTIONS
There is no power to the VCP.	<ul style="list-style-type: none"> <li>The power cord is not connected.</li> <li>The polarity of power cord is not correct.</li> </ul>	<ul style="list-style-type: none"> <li>Check the power cord.</li> <li>Change the polarity of power cord.</li> </ul>
Noise bars on screen.	<ul style="list-style-type: none"> <li>Tracking is not adjusted.</li> </ul>	<ul style="list-style-type: none"> <li>Adjust for a clear picture by pressing the PLAY button.</li> </ul>
Operation key does not work.	<ul style="list-style-type: none"> <li>If the cassette or the VCP is not in normal condition, every LED indicator lights and the VCP is inoperative.</li> </ul>	<ul style="list-style-type: none"> <li>Turn the power off and on by pressing the POWER button.</li> <li>Unplug and re-plug the power cord.</li> </ul>
Cassette is ejected upon inserting.	<ul style="list-style-type: none"> <li>Safety device works to protect the cassette when it is inserted incorrectly.</li> </ul>	<ul style="list-style-type: none"> <li>Pull the cassette out (unloading) and insert it firmly into the cassette compartment.</li> </ul>
Audio output does not change to Hi-Fi mode.	<ul style="list-style-type: none"> <li>The cassette was recorded on a in mono VCR.</li> <li>The first autotracking attempt is still executing now.</li> </ul>	<ul style="list-style-type: none"> <li>The cassette can not be played back in Hi-Fi mode.</li> <li>Wait for a second.</li> </ul>

SYMPTOMS	CAUSE	POSSIBLE SOLUTIONS
No back-lighting at POWER button.	<ul style="list-style-type: none"> <li>No 12V DC.</li> </ul>	<ul style="list-style-type: none"> <li>Check circuit fuse at source of power (see vehicle/converter manual).</li> <li>Check in-line fuse of power cord (in lighter plug).</li> <li>Power cord unplugged from 12V outlet or at rear of unit.</li> </ul>
Power indicated with back-lighting but unit will not operate.	<ul style="list-style-type: none"> <li>Dew feature activated (See owner's manual for dew mode explanation).</li> </ul>	<ul style="list-style-type: none"> <li>Retain power to player and allow unit time to get rid of moisture. (After 30 minutes if dew indicator is still on, completely switch off unit power and re-apply after 1 minute. This can reset dew indicator if moisture is eliminated.)</li> </ul>
	<ul style="list-style-type: none"> <li>No tape in unit.</li> </ul>	<ul style="list-style-type: none"> <li>Insert the tape.</li> </ul>
	<ul style="list-style-type: none"> <li>Low voltage.</li> </ul>	<ul style="list-style-type: none"> <li>Start the vehicle, if not running.</li> </ul>
More indicators flashing; unit will not operate.	<ul style="list-style-type: none"> <li>Unit in emergency mode.</li> </ul>	<ul style="list-style-type: none"> <li>Contact dealer for service to player.</li> </ul>
PLAY mode indicated no audio or video on to TV.	<ul style="list-style-type: none"> <li>VCP connected to TV A/V Input jack. TV in TV mode</li> </ul>	<ul style="list-style-type: none"> <li>Switch TV to video mode with remote control or switch behind control door of TV. Refer to your TV Owner's Manual for further information.</li> </ul>

SYMPTOMS	CAUSE	POSSIBLE SOLUTIONS
Play mode indicated but no audio or video to TV. (continued)	<ul style="list-style-type: none"> <li>VCP connected by (75 OHM coax) antenna coax to TV. TV set in "monitor mode".</li> </ul>	<ul style="list-style-type: none"> <li>Switch to TV mode.</li> </ul>
	<ul style="list-style-type: none"> <li>VCP connected to A/V OUTPUT jacks of television monitor instead of input.</li> </ul>	<ul style="list-style-type: none"> <li>Change connections from A/V output to A/V input.</li> </ul>
	<ul style="list-style-type: none"> <li>Output of VCP A/V RCA cables or coax not connected to TV input.</li> </ul>	<ul style="list-style-type: none"> <li>Check connector between VCP and TV.</li> </ul>
	<ul style="list-style-type: none"> <li>Switchable input device used between TV and VCP (game prep).</li> </ul>	<ul style="list-style-type: none"> <li>Verify proper bypass mode for VCP pass-thru to television monitor.</li> </ul>
	<ul style="list-style-type: none"> <li>Poor connection between VCP output and TV input.</li> </ul>	<ul style="list-style-type: none"> <li>Check connection(a).</li> </ul>
	<ul style="list-style-type: none"> <li>Reversed A/V inputs to TV.</li> </ul>	<ul style="list-style-type: none"> <li>Check connection(b).</li> </ul>
	<ul style="list-style-type: none"> <li>Shorted coax cable between VCP and TV.</li> </ul>	<ul style="list-style-type: none"> <li>Check cable/by pass or continuity test.</li> </ul>
Poor video/snowy picture or lines on screen.	<ul style="list-style-type: none"> <li>Dirty heads.</li> </ul>	<ul style="list-style-type: none"> <li>Clean head using tape cartridge cleaner. We recommend using cartridge with cloth or paper tape and cleaning drops included. These are readily available at retail stores.</li> </ul>

## SPECIFICATIONS

<b>MODEL</b>	<b>AVP-9500</b>
POWER SUPPLY	12Vdc
POWER CONSUMPTION	13Watts
DIMENSION	248 X 91 X 260 (W X H X D) mm
WEIGHT APPROX.	3 kg
VIDEO SIGNAL SYSTEM	NTSC Color
VIDEO SIGNAL OUTPUT (RF) VHS	Composite video 1Vpp, 75 ohms unbalanced AVX.
TAPE TYPE	VHS Type
TAPE SPEED	SP:33.35mm/sec, LP:22.23mm/sec, SLP:11.12mm/sec
FF/REW TIME (T-120)	Approx. 3 min
VIDEO SIGNAL OUTPUT (LINE)	1Vpp 75 ohm unbalanced, NEGATIVE SYNC
AUDIO SIGNAL OUTPUT (LINE)	-7.8dBm 10Kohm MAX
OPERATION CONDITION HUMIDITY	85% RH max, Temperature:5°C~35°C (41°F~95°F)
OPERATION POWER VOLTAGE	12~16 VDC

Design and specifications are subjected to change without notice.

**90 DAY/12 MONTH LIMITED  
WARRANTY**

APPLIES TO AUDIOVOX VIDEO PRODUCT

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

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

[www.asaelectronics.com](http://www.asaelectronics.com)



## HI-FI VIDEO CASSETTE PLAYER

DC OPERATION W/SPECIALIZED TAPE MECHANISM

DLC COATED VIDEO HEAD

ILLUMINATED FUNCTION BUTTONS



## MODEL AVP-9500 OPERATING INSTRUCTIONS

SPECIALLY DESIGNED FOR VAN, RV, MARINE,  
AND OTHER MOBILE APPLICATIONS



AUDIOVOX SPECIALIZED APPLICATIONS, L.L.C.



This instrument is listed by Underwriter's Laboratories, Inc. It is designed and manufactured to meet rigid U.L. safety standards against X-radiation, fire, casualty and electrical hazards.

Audiovox Specialized Applications, LLC., Elkhart, IN 46514

[www.asaelectronics.com](http://www.asaelectronics.com)