

**\*\*\* Caution \*\*\***

Changes of modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# AVOHD900



**9" OVERHEAD TFT  
LCD DVD PLAYER WITH  
USB PORT AND SD/MMC  
CARD SLOT**

 **AVANA**  
your one-stop  
automotive accessories



# CAUTION

## RISK OF ELECTRIC SHOCK DO NOT OPEN



**CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

### CLASS 1 LASER PRODUCT

#### Caution

This product utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. DO NOT open covers and DO NOT attempt to repair yourself.

#### Warnings

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



#### Check Point

- Installation of all TV monitors must be out of the driver's field of sight.
- Do not try and service these products yourself, seek only a qualified service center or factory service center.
- Be careful not to drop or apply under pressure to the front panel of your video monitor. If the screen crack due to misuse, your warranty will be void!
- Be careful not to overload your cigarette lighter plug by adding more than one device at a time.
- Do not mount the product where it will obstruct the deployment 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 sudden stops or in the event of an accident.
- Use extra caution with any liquids in your car. If you or your child spill 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 have either evaporated or you have had the monitor inspected at a service center by a qualified technician. Severe harm or danger can be occurred.
- Use only a damp cloth to clean the screen and use only purified water on the cloth, wring 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.

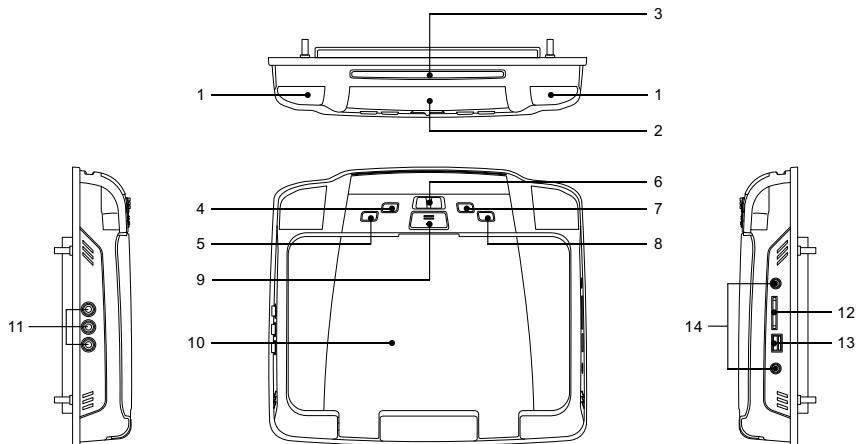
**Congratulations** on your purchase of the AVANA DVD Player with Drop-Down Video / Monitor. The unit has been designed to give you and your family many years of video entertainment in the mobile environment. Please read the directions that follow to familiarize yourself with the product to ensure that you obtain the best results from your equipment.

**Please note:** Installation options vary, see the individual owner's manuals for each component in your system to obtain a full understanding of each component's operation.

## ● FEATURES

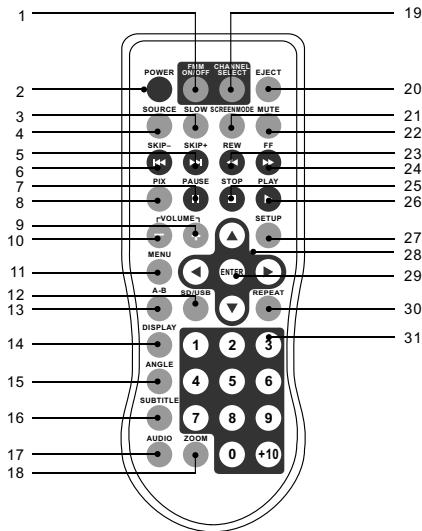
- 9" TFT (Thin Film Transistor) Active Matrix LCD (Liquid Crystal Display) Monitor
- Switchable Screen Mode (16.9 & 4.3)
- Built-in DVD Player
- DVD/VCD/CD/MP3/SD/MMC CARD/USB MASS STORAGE DEVICE
- On Screen Display
- Picture Control (Brightness / Contrast / Colour / Tint)
- Last Position Memory
- 3 Sources Selection (DVD/AV1/AUX)
- Audio/Video Output
- IR Sensor
- Built-In IR Transmitter (Wireless Headphone Optional)
- Built-In Dome Lights With Switch
- Full Remote Control Function
- Password Locking System (Anti Thief)

## Control and Indicators Diagram



<b>1. Dome Light</b>	Provide additional interior illumination.
<b>2. Infrared Transmitter and Sensor</b>	User to transmit audio to wireless headphones. Also allows the remote control to operate this unit and to control other accessories in the system.
<b>3. DVD Disc Insertion Slot</b>	
<b>4. Play Button</b>	This button is used to enter the play mode.
<b>5. Power ON/OFF Button</b>	Turn this unit ON and OFF.
<b>6. Three Position Dome Light Switch</b>	<ul style="list-style-type: none"> <li>• Auto – Automatically switches on the dome lights in conjunction with the vehicle's interior illumination.</li> <li>• Off – The dome lights will not turn on in this position.</li> <li>• On – Turns on the dome lights.</li> </ul>
<b>7. Stop Button</b>	This button is used to enter the stop mode.
<b>8. Eject Button</b>	This button is used to eject the disc.
<b>9. Screen Release</b>	Slides in the direction of the arrow to release the drop down screen.
<b>10. LCD Panel</b>	Display the video source and the on screen displays (OSD).
<b>11. Auxiliary Video/Audio Input</b>	Audio and video source input.
<b>12. SD/MMC Card Slot</b>	Allow to use of SD/MMC Card.
<b>13. USB Port</b>	Allow to use of USB mass storage device.
<b>14. Headphone Jacks</b>	Allow the use of wire headphone with a 1/8" plug for listening to video program audio.

## Remote Control Operation



### 1. FMM ON/OFF BUTTON

Press this button to turn "ON" and "OFF" the FM transmitter.

### 2. POWER

Press this button to turn "ON and "OFF" the unit.

### 3. SLOW

Play the DVD in slow motion.

### 4. SOURCE

Video signals from video equipment connected to the audio/video input can be displayed on the monitor by pressing this button. Each time the button is pressed, the audio/video source will toggle between DVD, AV1 and AUX.

### 5. SKIP +

Press the skip + to the next chapter or track.

### 6. SKIP -

Press the skip - to previous chapter or track.

### 7. PAUSE

Press to pause the playback.

### 8. PIX

Each time this button is pressed, the on screen picture adjustment displays the "adjustment bar" for BRIGHTNESS, CONTRAST, COLOUR or TINT. Once the desired adjustment bar is display, use the VOLUME-/VOLUME+ button to adjust the setting. The display will automatically turn off if no adjustment are made within 8 seconds, or is any other button is pressed.

## Remote Control Operation

### 9. VOLUME +

Press to increase the volume level of the headphone jacks. It is also used to make picture adjustments in the picture select mode.

### 10. VOLUME -

Press to decrease the volume level of the headphone jacks. It is also used to make picture adjustments in the picture select mode.

### 11. MENU

Allow the user to access the disc Menu.

### 12. SD/USB

Press this button to select SD or USB on the DVD mode.

### 13. A-B

Allow user to repeat the playback from point A to point B.

### 14. DISPLAY

Press to display current disc information while the disc is playing.

### 15. ANGLE

Press to display and select different camera angles in DVD mode. Each time you press the button, the angle changes.

*Note: The numbers of angles vary from disc to disc. Not all discs contain this option.*

### 16. SUBTITLE

Press to display and select the subtitle language in DVD mode. Each time you press the button, the subtitle language changes.

*Note: The type and number of the languages for subtitle vary from disc to disc.*

### 17. AUDIO

Press to display and select the AUDIO language and channel in DVD mode. Each time you press the button, the language or channel changes.

*Note: The languages and channel for audio vary from disc to disc.*

### 18. ZOOM

Press this button to zoom or reduce the picture on DVD disc.

### 19. CHANNEL SELECT

Press this button to select the FM transmitter channel.

### 20. EJECT

This button is used to eject the disc.

### 21. SCREEN MODE

Press this button to change the screen size (16:9 & 4:3).

### 22. MUTE

Press to mute the audio. Press it again to restore the sound to the previously set level.

### 23. REW

Press to search in a backward direction. Press repeatedly to change the search speed from 2,4,8,20 times the normal speed.

## Remote Control Operation

### 24. FF

Press to search in a forward direction. Press repeatedly to change the search speed from 2,4,8,20 times the normal speed.

### 25. STOP

Press to stop the playback.

### 26. PLAY

Press to activate the play mode while a disc is loaded in the disc compartment.

### 27. SETUP

Press to display the setup menus which allow the user to change the DVD player options such as TV DISPLAY, OSD LANGUAGE, EQ TYPE, PARENTAL CONTROL etc. *Refer to the setting and adjustments section for more information.*

### 28. CURSOR

Use these buttons to access menu selection on the screen.

### 29. ENTER

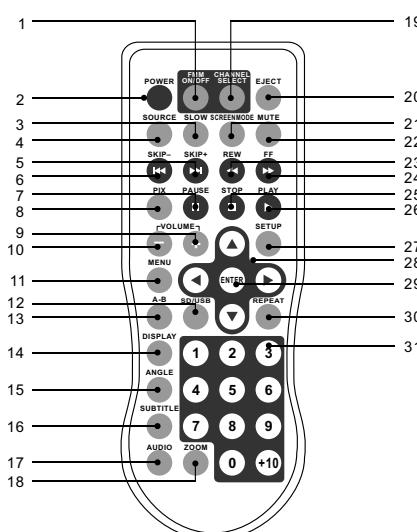
Press to implement selected setting.

### 30. REPEAT

Allow the user to repeat the playback in various options. Press repeatedly to change the option.

### 31. NUMBERS

Allow the user to enter the numbers 0-9 for selection of the tracks, titles, chapters or password setting.



## System and Adjustments

The Setup Menu contains features and options that let you customize your DVD player. You also can set a language for the on screen display, Picture control, Audio and Video Setting and Picture quality for DVD Player etc.

### General Setup Page

1. Press the SETUP button on the remote control. It was contains 5 General setup page allow you to do selection and setting, please refer to the bellows diagram.

General Setup Page	
TV Display	PS
Angle Mark	ON
OSD Lang	ENG
SPDIF Output	
Captions	OFF
Screen Saver	ON

VideoSetupPage	
Sharpness	Low
Brightness	00
Contrast	00

SpeakerSetupPage	
Down Mix	

Preference Page	
TV Type	NTSC
Audio	ENG
Subtitle	Off
Disc Menu	ENG
Parental	
Password	
Default	

Dolby Digital Setup	
Dual Mono	
Dynamic	

2. In order to go to the desired page, move the highlight using the cursor button **◀** or **▶** to the icon indicated.
3. After entering the desired page, highlight the desired item using the cursor button **▲** or **▼**.
4. Press **▶** to move the highlight to the different options for the selected item. Press **▲** or **▼** to select the desired options, and then press **ENTER** to confirm the Selection. Press the **SETUP** button again to exit the Setup Menu.

### SD/MMC Playback

Insert the SD/MMC card into the interface of DVD Player and press the SD/USB button on the remote then the “waiting” wording appears on the screen about few second to read the Data on the SD/USB Device which was plugging onto unit.

## Anti Thief (Password Locking System)

For the first time on the unit must key in the default password (1234) just use the numeric button.

### CHANGE PASSWORD

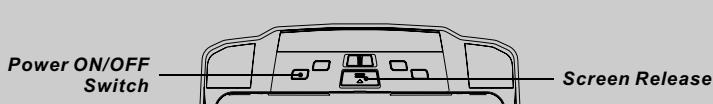
Press source button selected to AV1 or AUX mode and then press the setup button, the screen will appear the password change menu:

- Old password – Key in the old password (default password 1234).
- New password – Key in the new password only 4 digit.
- Verify new password – Key in once again the new password.

**Note:** When key in the wrong password three times, the password locking system will lock the unit. When the unit is locked user must send back the unit to factory reset the password.

## Turning the AVOHD900 ON or OFF

1. Sliding the screen release lock forward will unlock the LCD screen and it will drop down slightly. Pivot the screen downward until a comfortable viewing angle is reached. The hinge friction will hold the screen in position while the system is in use.
2. Pressing the power button on the unit or the remote control will the system on or off alternately. When in use the internal backlighting will illuminate the controls.  
(Note: For the first time turn ON the unit, the unit will requiring user key in the password. The default password is 1234.)
3. After the unit has been turned on and is displaying a picture, adjust the viewing angle, by pivoting the screen to optimize the picture quality.
4. Remember to turn the unit off and pivot the LCD to the locked position when not in use.



## Troubleshooting

Problem	Solution
IR Sensor Inoperative	<ul style="list-style-type: none"><li>Verify that the batteries in there remote are fresh.</li><li>Verify that the remote sensor eye is not obstructed.</li></ul>
Disc won't play	<ul style="list-style-type: none"><li>Insert a disc with the label side facing up.</li><li>Check the type of disc you put in to disc tray. This DVD only play DVDs, audio CDs, MP3s and MP4s.</li><li>Both the unit and the disc are coded by region. If the regional codes don't match, the disc can't be played.</li></ul>
Play starts, but then stops immediately	<ul style="list-style-type: none"><li>The disc is dirty. Clean it.</li><li>Condensation has format. Allow player to dry out.</li></ul>
No sound or distorted sound	<ul style="list-style-type: none"><li>Make sure your DVD is connected properly. Make sure all cable is securely inserted into the appropriate jacks.</li><li>If you are using the IR headphones, make sure you turn on the IR headphone power.</li><li>Make sure the Modulator is ON and the proper Frequency has been selected.</li></ul>
Can't advance through a movie	<ul style="list-style-type: none"><li>You can't advance through the opening credits and warning information that appears at the beginning of movies because the disc is programmed to prohibit that action.</li></ul>
Picture is distorted	<ul style="list-style-type: none"><li>The disc might be damaged. Try another disc.</li><li>It is normal for some distortion to appear during forward or reverse scan.</li></ul>
No forward or reverse scan	<ul style="list-style-type: none"><li>Some discs have sections that prohibit rapid scanning or title and chapter skip.</li><li>If you try to skip through the warning information and credits at the beginning of a movie, you won't be able to. This part of the movie is often programmed to prohibit skipping through it.</li></ul>

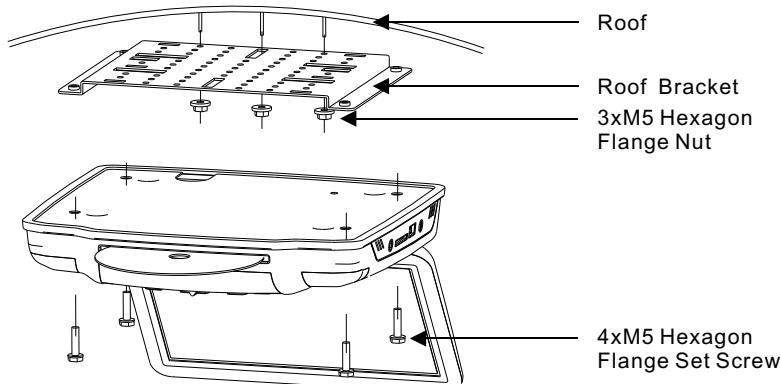


### Check Point

When a disc is brought from a cold environment to a hot one, there may be steam on the face of the disc, or water will appear on the pick up lens. It will be affected disc play.

1. Remove the disc from the DVD player.
2. Turn on the power and leave it on for an hour to vaporize the condensation.
3. You can operate the DVD player without any problems.

## Installation



### TOOLS REQUIRED

- #2 Philips Screw drivers
- #1 Philips Screwdriver
- Utility or Razor Knife or Shears
- Wire Strippers
- Upholstery hook tool (for removal of panels as necessary)
- Electrical Tape
- Masking Tape
- Multi meter (to verify 12 volt DC and continuity: Do not use a test light or logic probe)
- Marker pen – to mark headliner
- Scribe (to mark trim ring if used)
- Misc. electrical connectors (to connect to vehicle power source). Requirements will vary from vehicle to vehicle.

## Materials included in this package

1. AVOHD900 Video Monitor with DVD Player – 1pc
2. A/V Cable – 1pc
3. Remote Control – 1pc
4. Hardware Package: –
  - M5 Hex Flange Nut – 3pcs
  - M5 Hex Flange Set Screw – 4pcs
5. Owner's Manual – 1pc

## ● SPECIFICATION

LCD Backlighting	FL Side Light
Resolution	1440 x 234
Pixels	336,960
Operation Temperature	32-140F (0-60C)
Storage Temperature	-4-176F (-20-80C)
Backlight Life	10,000 hours
Video Display System	NTSC/PAL
Headphone Audio Output	0.03W@32ohms
Video Output	1.0Vp-p@75ohms
Power Source	12V DC