

# *DVD Entertainment System*

## *Owner's Manual*





# NOTICES

## NOTICE OF INTENDED USE

**ROSEN ENTERTAINMENT SYSTEMS ARE DESIGNED TO ENABLE VIEWING OF VIDEO RECORDINGS ONLY FOR REAR-SEAT OCCUPANTS.**

**MOBILE VIDEO PRODUCTS ARE NOT INTENDED FOR VIEWING BY THE DRIVER WHILE THE VEHICLE IS IN MOTION. SUCH USE MAY DISTRACT THE DRIVER OR INTERFERE WITH THE DRIVER'S SAFE OPERATION OF THE VEHICLE, AND THUS RESULT IN SERIOUS INJURY OR DEATH. SUCH USE MAY ALSO VIOLATE STATE LAW.**

**ROSEN ENTERTAINMENT SYSTEMS DISCLAIMS ANY LIABILITY FOR ANY BODILY INJURY OR PROPERTY DAMAGE THAT MAY RESULT FROM ANY IMPROPER OR UNINTENDED USE.**

## About the Registered Marks

*This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.*



## Table of Contents

Notices .....	3
Getting Started .....	6
<i>Switching On, Lowering and Adjusting the Screen, Finding the Remote Control Buttons You Need, Listening Over the Vehicle Speakers</i>	
Introduction .....	8
Discs Played .....	9
Changing Display Settings, Using the Dome Lights .....	10
Using the Remote Control .....	11
Basic Remote Control Buttons .....	12
Using Menu and Navigation Buttons, Using Audio Buttons .....	13
Using DVD Disc Features .....	14
Changing the Shape and Size of the Image .....	14
Replacing the Remote Battery .....	14
CD Audio and MP3 Playback .....	15
Listening Over the Vehicle Speakers .....	16
Using the Included Wireless Headphones .....	16
Replacing Headphone Batteries .....	17
Rosen Entertainment Sound .....	17
Watching Broadcast Television (with Tuner-equipped systems) .....	18
Using External Sources .....	18
Optional Rosen Accessories .....	19
What Can I Do About Black Bars On the Screen? .....	20
DVD Player Setup Options .....	22
Frequently Asked Questions .....	25

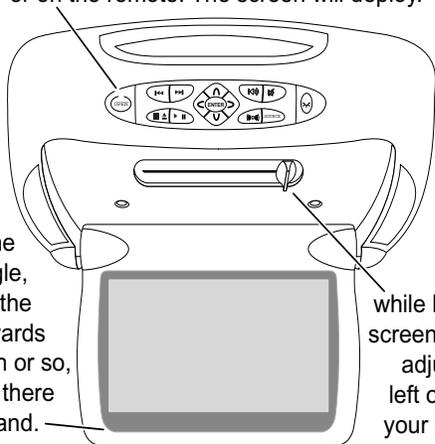
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## GETTING STARTED

### Switching On, Lowering and Adjusting the Screen

Use the system only when the vehicle is running, or with the ignition key switch in the “accessory” position.

**First**, press the OPEN button on the front panel, or on the remote. The screen will deploy.

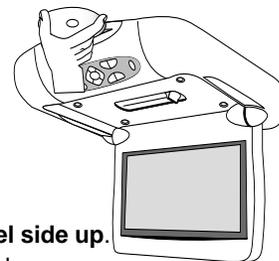


**Second**, to adjust the screen angle, gently pull the screen towards you an inch or so, and hold it there with one hand.

**Third**, while holding the screen, move the adjuster slider left or right with your other hand.

**Finally**, let go of the screen and double-check the viewing angle. You may need to repeat this process a few times to get the angle just right for your height and the height of the vehicle seats.

### Watching Video



#### To Watch a DVD:

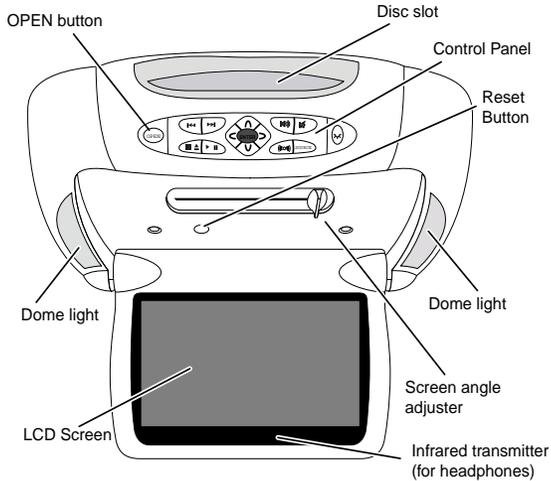
- 1 Press **EJECT** twice to remove any loaded disc.
- 2 Insert a DVD onto the slot, **label side up**.
- 3 Most DVD discs begin playback automatically. If a menu appears, press **PLAY** or **ENTER** as instructed on screen.

*Note: While a disc is playing, the **Stop/Eject** button on the front panel acts as a Stop button. To eject a disc while it is playing, press the Stop/Eject button **twice** in quick succession. The Eject button on the remote should always eject the disc immediately.*

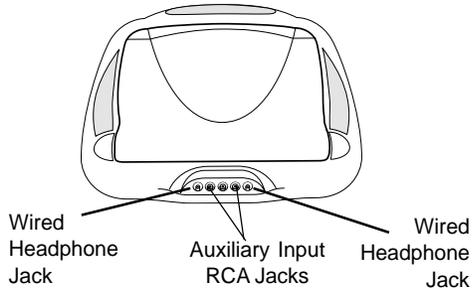
#### To Watch Broadcast Television (with optional TV tuner):

- 1 Press **SOURCE** until “TV Tuner “ and a channel number (for example, “2” ) appear on the screen. If no channel number appears, press the **POWER** button on the remote.
- 2 To change channels, press **NEXT** or **PREVIOUS** on the front panel, or **UP CH** and **DOWN CH** on the remote.

## Front View



## Console-mounted Jack Locations



## To Use An External Video Source

(optional video game or camcorder):

- 1 Connect the RCA audio and video outputs of the device to the RCA inputs of the system.
- 2 Press **SOURCE** until "Auxiliary Input" appears on the screen.

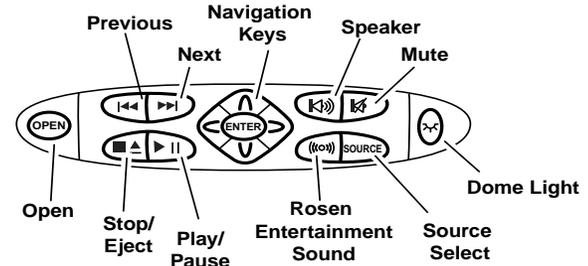
## Listening Over the Vehicle Speakers

- 1 Press **SPEAKER**. "Speaker Sound Enabled" will appear on the screen. (If "Headphone Sound Only" appears, press again.)
- 2 Turn on the car radio. Make sure A8 **MUTE** is off. Tune to FM frequency 87.9. If no A8 audio is heard, try tuning in 88.3.

## Using the Dome Lights

- 1 Press the **DOME LIGHT** button to turn the dome lights on or off.  
*Note: To prevent battery drain, the dome light automatically shuts off after 5 minutes of use.*

## The Front Panel Controls



## INTRODUCTION

To get the most enjoyment from using your system, please read these instructions.

Your system includes the following components:

- An integrated widescreen flat panel display
- An internal DVD/CD/MP3 Player
- Wireless Infrared (IR) Headphones (2 pair) (AC 3003)
- A Remote Control (AC3025)
- A Stereo FM Modulator (lets system sound be heard over your vehicle's speakers)
- Other parts and cables installed out of sight in your vehicle

In order to operate the system, the vehicle ignition key switch must be in the ACC or engine ON position.



### WARNING!

**Operate the system with the engine running, if possible. To avoid a dead battery, do not use the system for long periods of time without starting the engine.**

## Precautions

- Use this system only if properly installed by a qualified installer.
- If the units show signs of overheating or malfunction, power off the unit and consult your dealer immediately. Do not open the unit - there are no serviceable parts inside.
- Do not press on the display surface; this can damage it.
- Clean the LCD panel with a slightly damp, soft cloth using household glass cleaner. **Do not** use solvents such as benzene, thinner, or commercially available cleaners.
- If your car was parked in a very cold or very hot place, the picture may not be clear, or you may see a temperature warning on the screen instead of a picture. **The system is not damaged.** The picture will return and become clear after the system temperature returns to normal.
- When using portable radios and telephones near the system, picture or sound interference may occur.

### Notes:

*The system's operating voltage range is 11-16VDC operating voltage. The system operating temperature is 0° to 60° Celsius (32° to 140° Fahrenheit). Use of the system beyond the safe operating ranges listed can cause temporary or permanent damage to the unit, and such damage may not be covered by the manufacturer's warranty.*

*When using optional wired headphones, use headphones with a volume control, such as the Rosen AC3004. The system has no volume adjustment - use the volume control on the wireless headphones or on the vehicle radio.*

## DISCS PLAYED

### Compatible Discs

DVD, Video CD (VCD), CD/CD-R, and MP3 discs are compatible with the system. The identifying logo and description of each disc type is given below.



**DVD**

12 cm disc/8 cm disc  
*(single-sided disc only)*

**Video CD**

12 cm disc/8 cm disc

**CD/CD-R, MP3**

12 cm disc/8 cm disc



### DVD Regions

This DVD player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this player, it will not be able to play the DVD disc. Some DVD discs are manufactured to operate in "all" zones, and those discs are compatible with this player.

#### DVD Region Icons:

These icons on the DVD case indicate the region code.



### Incompatible Discs:

The following disc types are incompatible:

- DVD-ROM
- DVD-R/DVD-RW/DVD-RAM
- Photo CD
- CD-ROM
- CD-Audio manufactured with certain copy protection methods
- Any DVD with a different Region number than the unit.
- Any disc that does not meet DVD Consortium standards.

### DVD Operations that differ from disc to disc

When a DVD disc is created, the creator has to define how the disc will operate when it's loaded into a DVD player. For instance, some discs begin playing immediately, while other discs only display a menu and require a menu selection to be made before playback will start.

The DVD standard also allows the maker of a DVD disc to disable certain functions at certain times, such as Fast-forward and Stop (which is why you can't skip past the copyright warning screen). If some feature cannot be used, usually the disc is temporarily preventing the player from executing the operation.

### Discs which do not properly load

Some homemade discs which do not have all the data needed to properly initialize all DVD players may not load properly, and may create a state where the DVD player will not eject the disc at all. In these cases, you must have your Rosen authorized dealer reset the system.

## Changing Monitor Settings

**Display Adjustments:** The A8 monitor has adjustable video settings. To change these settings, press the **ENTER** button on the overhead console and hold it for two seconds. A menu with the following options appears:

COLOR	( 32 )
CONTRAST	( 32 )
BRIGHT	( 32 )
TINT	( 32 )

*To select a setting to be changed:* Press the **DOWN** button to move the cursor down the menu list (it will cycle back to the the top).

*To change the value of a setting:* Use the **LEFT** and **RIGHT** arrow buttons to decrease and increase the value of the setting. The range is zero to 63, with 32 as the default.

*To exit the menu:* Press the **ENTER** button to save the settings and exit the menu.

**Selecting among various display modes:** The A8 has a "widescreen" display, with a 16:9 aspect ratio (the same aspect ratio as high-definition televisions).

- To view widescreen DVD's, press the **DISPLAY MODE** button until "Wide" is displayed on the screen.
- To watch "fullscreen" DVD's or broadcast television (using an optional TV tuner), press until "Standard" is displayed.
- To stretch the picture to take up more of the screen, select the "Stretch" mode.

*Note: While it is not technically a "monitor" setting, the internal DVD player can be configured for either a widescreen 16:9 output compatible with the 8" screen, or for a standard 4:3 output. Using the correct "WIDE" setting will eliminate or greatly reduce the "black bars" on the top and bottom of the screen when viewing a widescreen DVD. See page 20 for more information.*

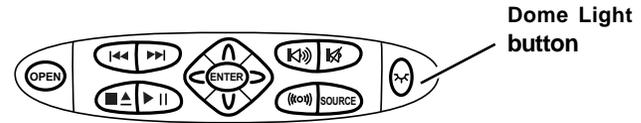
## Using the Dome Lights

The system has built-in dome lights for interior illumination. In many vehicles, this feature replaces an original factory dome light, which is sometimes displaced by installation of the system. The dome lights are controlled by both the Dome Light button on the front panel, and by the matching Dome Light button on the remote control.

When the lights are *off*, press either button to turn them **on**.

When the lights are *on*, press either button to turn them **off**.

When the lights have been turned on manually using the Dome Light button, they will automatically turn off after all the doors are closed.



*Note: Some vehicles have a dome light dimming feature that causes the light to fade out gradually. The system light may not fade in the exact manner as the factory dome light, but will still turn on and off normally in conjunction with the use of the vehicle's doors. This is proper operation for the system. If you have any questions, contact your Rosen authorized dealer.*

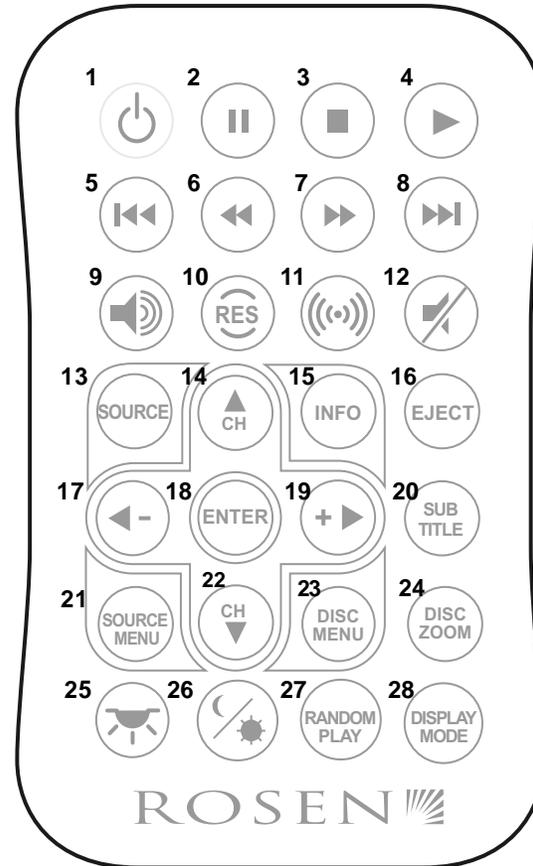
## USING THE REMOTE CONTROL

You can use the remote control to operate the system, including access to features not available on the front panel.

For definitions of each remote control button's specific function, see the following pages.

1	Open/ Optional Source Unit Power	15	Info
2	Pause	16	Eject
3	Stop	17	Navigate left
4	Play	18	Enter
5	Previous Chapter/Track	19	Navigate Right
6	Reverse	20	Subtitle
7	Fast forward	21	Source Menu
8	Next Chapter/Track	22	Navigate Down
9	Speaker on/off	23	Disc Menu
10	Rosen Entertainment Sound	24	Disc Zoom
11	Rosen Surround-Sound	25	Dome Light
12	Mute	26	Day/night
13	Source select	27	Random Play
14	Navigate up	28	Display Mode

*Note: If you try to perform a DVD action when it is not permitted (such as accessing the disc menu while the disc is loading), you'll see the the following symbol on the screen:*



## BASIC REMOTE CONTROL BUTTONS

### 1 Open/ Optional Source Unit Power

Pressing this button when the screen is closed will deploy the screen. This button also turns on some optional Rosen source units. (There is also an OPEN button on the front panel.)

*Note: The system automatically turns on and off as the screen is opened and closed.*

### 4 Play

Press to begin or resume playback of a DVD.

*Note: When the disc is first inserted, you may have to press **PLAY** or **ENTER** to begin playback.*

### 3 Stop

Press once to temporarily stop playback of a DVD. To resume normal playback *from the same point*, press **PLAY**.

Press **STOP** twice, then **PLAY**, to play the disc from the beginning.

*Note: Once **STOP** is pressed twice, the player can only begin playing from the beginning of the disc.*

### 16 Eject

Press to eject a DVD or CD.

### 2 Pause/Frame Step

Press once to pause playback. Press repeatedly to advance video frame by frame. To resume normal playback, press **PLAY**.

### 5 Previous Chapter/Track

Press to jump to the previous title or chapter, if available on a DVD, or to the previous track on an audio CD. Not supported with some VCDs.

### 8 Next Chapter/Track

Press to jump to the next title or chapter, if available on a DVD, or to the next track on an audio CD. Not supported with some VCDs.

### 6 Reverse

Press to search in reverse. To resume normal playback, press **PLAY**.

### 7 Forward/Search

Press during playback to fast forward. Press the **RIGHT** and **LEFT** arrow buttons to adjust search direction and speed. Options include 2x, 4x, 6x, 8x, 12x, 16x, 32x, and 64x. Press **PLAY** to resume regular play.

### 25 Day/Night

This button lets you easily decrease the display brightness by 50% for optimum picture quality in low light conditions.

Set the Brightness level in day-time conditions with lots of ambient light. Then you can use this button to switch between Daylight and Night brightness levels.

## USING MENU AND NAVIGATION BUTTONS

### 13 Source

Press to select the DVD/CD player, the internal Game, or the Auxiliary input. This button also is used to access the optional TV Tuner, DVD Changer, or other optional auxiliary sources.

### 14, 22 Up/Down Arrows

Press to move up or down in a menu or to change channel when watching TV.

### 17, 19 Left/Right Arrows

Press to move left or right in a menu.

### 18 Enter

Press to make a menu selection.

### 21 Source Menu

Use to personalize operation of the internal DVD player. For more information, see "Changing DVD Player Setup".

### 15 Info

Press to view the status, current title number, track number and the total playing time of the disc on the monitor.

*Note: If the DVD Player is selected and there is no disc loaded, pressing the INFO button will display production information for the use of factory personnel.*

## USING AUDIO BUTTONS

### 9 Speaker Sound Control

Press this button to hear A8 audio through the car speakers; *Speaker Sound On* appears on the screen. Headphone audio is not affected. Press again to hear A8 audio only through the headphones; *Headphone Audio Only* appears on the screen. Refer to "Using the Headphones" and "Listening Over the Car Speakers" for more details.

*Note: The Speaker button on the control panel performs the same function.*

### 10 Rosen Entertainment Sound Processing

This button turns on and off the Rosen Entertainment Sound Processing. With RES turned on, dialogue is automatically louder and easier to hear, while loud passages, such as special effects, are automatically lowered slightly. See Page 17 for more information.

### 11 Rosen Entertainment Surround-sound

This button turns on and off the Rosen Entertainment Surround-sound. Rosen Surround-sound is optimized for headphone listening.

*Note: This button on the front control panel controls both Surround-sound and Sound Processing.*

### 12 Mute

Press once to mute the audio. As long as the Mute function is active, "Mute" will appear on the screen. Press again to turn Mute off.

*Note: The Mute button on the control panel performs the same function.*

## USING DVD DISC FEATURES

### 20 Subtitle



Press repeatedly to cycle through the various language subtitle options available on the DVD disc being played.

### 23 Disc Menu



Press to see the main menu for the DVD being played. To resume normal playback, press **PLAY**.

## CHANGING THE SHAPE AND SIZE OF THE IMAGE

### 24 Disc Zoom



View the same scene at different magnifications.

- 1 Press the **DISC ZOOM** button during playback to select among the following options: x1.5, x2, and x4.
- 2 Press the arrow buttons to shift the magnified section of the screen.
- 3 To resume normal playback, press **DISC ZOOM** until "Zoom off" is displayed.

### 28 Display Mode



This button selects among various screen display modes.

- To view widescreen DVD's, press this button until "Wide" is displayed on the screen. This uses the full width of the screen.

- To watch "fullscreen" DVD's or broadcast television, press until "STANDARD" is displayed. This mode uses most of the screen, but black bars will be visible on the *sides*, like this:

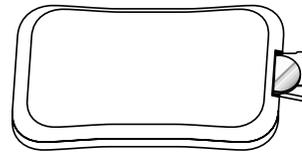


- To stretch the picture to take up more of the screen, select the "Stretch" mode.
- To zoom the picture, select the "Zoom" mode.

*Note: For best results when zooming in on DVD images, use the Disc Zoom feature instead of the "ZOOM" Display Mode.*

For more information about image shapes, see "What can I do about Black Bars?", on Page 20.

## REPLACING THE REMOTE BATTERY



**Press tab here  
and pull battery tray out**

Use a single 3V battery, type CR2025. Insert as shown. Observe the correct orientation of the battery as marked on the battery tray.

Battery life is approximately six months, depending on how often the remote is used.

## CD AUDIO AND MP3 PLAYBACK

### CD Playback

When an Audio CD is inserted, "CD" will appear on the screen. To display track information, press **INFO**.

### MP3 Playback

When a compact disc with MP3 files is inserted, the SMART NAVI screen will appear. To conceal the SMART NAVI screen, see the "DVD Setup Menu" section. Each folder and file will be shown (the order may be slightly different than that on your PC). Navigate the files and folders using the navigation arrow keys, and select a file or folder to be played by using the **ENTER** button. To move to the next file or the previous file, use the **NEXT** and **PREVIOUS** buttons.

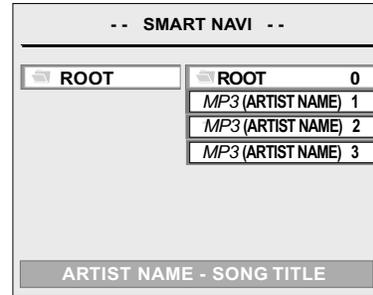
### MP3 Disc Recording and File Extensions

When recording a CD with MP3 files to be played on this system, always add a file extension ".MP3" or ".mp3" to MP3 files by using single-byte letters. If you add a different file extension, or forget to add the file extension ".MP3" or ".mp3," the file cannot be played. In addition, if you use upper case and lower case letters (capital and small letters) mixed together for file extensions, the file may not play.

#### Notes:

- Some CDs recorded in CD-R or CD-RW mode may not play.
- Files saved without MP3 data will not play.

*When recording Audio CDs or MP3 files, make sure to check your CD recorder's level setting - too high a level will result in distorted sound.*



Three repeat modes are available for MP3 use:

- NOREPEAT
- REP – ONE repeats the current file
- FOLDER REP repeats the current folder

#### Supported MP3 File Formats

- ISO9660, level 1 and level 2 (the most common type of MP3 format)
- Joliet (a version of ISO9660 that supports longer filenames)
- Romeo (a format used by some CD-creating software)

## LISTENING OVER THE CAR SPEAKERS

The A8 uses an FM Modulator to send audio through the vehicle radio and thus through the speakers. To listen to A8 system audio through your car speakers:

- 1 Press **SPEAKER**. "Speaker Sound Enabled" will appear on the screen. (If "Headphone Sound Only" appears, press **SPEAKER** again.)
- 2 Turn on the car radio. Make sure **MUTE** is off. Tune to FM frequency 87.9. If no system audio is heard, try tuning in 88.3.

To turn off A8 system audio over the car speakers, press **SPEAKER**. "Headphone Sound Only" appears on the screen. Audio from the A8 system is then heard only over the headphones.

The system "remembers" which mode you have selected, and will return to that mode each time the system is turned on. You may want to store the FM Modulator frequency as a preset on your radio for ease of use. This will be either 87.9 or 88.3 FM.

*Note: When the FM Modulator is on, you may notice some reduced radio reception. When the system is off, the FM Modulator also turns off. To listen to the radio when the system is not in use, close the monitor, and both the system and the FM Modulator will turn off.*

*Note: If there seems to be a strong station on the FM Modulator frequency, your Rosen authorized dealer can switch the system to the alternate frequency.*

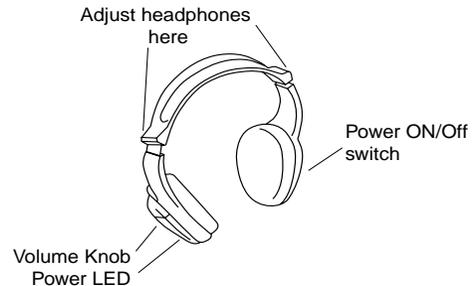
## USING THE INCLUDED WIRELESS HEADPHONES

The system comes with two pair of wireless infrared (IR) headphones, Rosen model number AC3003, which receive a signal from an IR transmitter concealed in the frame around the display. These headphones allow rear-seat passengers to hear a DVD, CD, video cassette, or video game without disturbing front-seat passengers.

*To turn the headphones on and off, push the Power ON/OFF button on the right ear piece. The Power LED on the left ear piece indicates when headphone power is on. Power turns off automatically after three minutes of no audio to preserve battery life.*

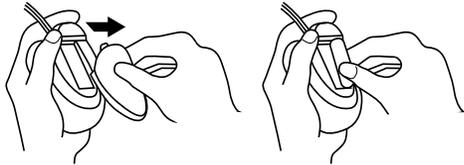
*To adjust the headphone volume, rotate the thumb wheel switch on the headphones.*

*To adjust the headphone size for differently-sized heads, slide the top as needed (see below).*



## REPLACING HEADPHONE BATTERIES

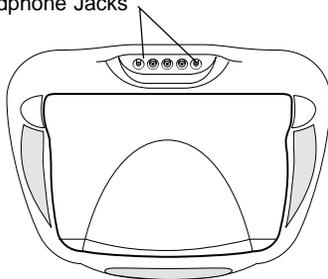
The wireless IR headphones require two AAA batteries. To replace the batteries, slide off the battery compartment door on the right earpiece and insert batteries, as shown. Make certain that the battery polarity matches the marks inside the battery compartment.



## USING OPTIONAL WIRED HEADPHONES

There are two jacks for wired headphones on the forward edge of the unit, under a removable cover. When using optional wired headphones, use headphones with a volume control, such as the Rosen AC3004 (the system has no volume adjustment).

Mini-stereo Headphone Jacks

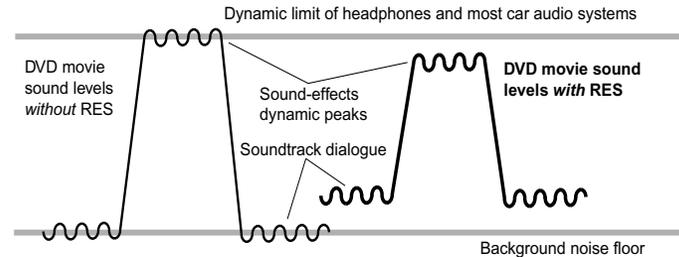


## ROSEN ENTERTAINMENT SOUND FEATURES

**RES Surround-sound.** (DVD audio only). While many of us have home theatre systems with center-channel speakers and subwoofers, Rosen knows that most of us don't have that luxury in our vehicles. So Rosen's surround-sound circuitry re-creates surround effects when watching movies – especially when using headphones!

**RES Sound Processing.** (DVD audio only). Movie soundtracks were meant to be heard in a quiet theatre – not in a moving car! The dialogue can be difficult to hear over road noise, and the most dynamic portions of the soundtrack can overpower the car's sound system.

With RES Sound Processing turned on, dialogue is automatically louder and easier to hear, while loud passages, such as special effects, are automatically lowered slightly. Try RES whether you are listening through the car speakers or wearing headphones, and use it whenever you find it improves the sound.



## WATCHING BROADCAST TELEVISION

(ON TV TUNER-EQUIPPED SYSTEMS)

You can watch television on the system if you have installed the optional CV4000 TV Tuner kit (includes TV Tuner, antenna, and an AC3024 harness).

*Note: Broadcast television reception varies with location, terrain, distance from the broadcast tower, and other factors. Signal quality is likely to vary in a moving vehicle.*

- 1 Press **SOURCE** to select the "TV Tuner" input. "TV Tuner" and a channel number (for example, "2") will appear on the screen. If no channel is displayed, press the **POWER** button on the remote.
- 2 Press the **UP CH** and **DOWN CH** arrow buttons on the remote to change channels. You can also use the **UP** and **DOWN** arrows on the front control panel.
- 3 To scan all available channels, press **SOURCE MENU**.

*Note: To watch broadcast television or videotapes in their original format, press the **DISPLAY MODE** button on the remote control until "Standard" is displayed on the screen. This will properly size the image, instead of stretching the image across the wide screen. In "Standard" mode, you will see black bars on the sides of the image, like this:*



## USING EXTERNAL SOURCES

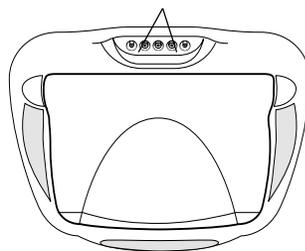
You may use optional external video games, camcorders, and other portable video units by connecting the unit to the auxiliary RCA input jacks on the unit. You must remove the cover to access the jacks, and press **SOURCE** to select "Auxiliary Input".

Color-Coded RCA Jacks

**Red** — Right channel audio input

**White** — Left channel audio input

**Yellow** — Video input



To use an external game system, a 12VDC to 110VAC power inverter, available at most electronic retail stores, is often required.

*Note: If you want to watch non-widescreen, 4:3 images, press the **DISPLAY MODE** button on the remote control until "Standard" is displayed on the screen. This will properly size the image, instead of stretching the image across the wide screen. In "Standard" mode, you will see black bars on the sides of the image, like this:*



## OPTIONAL ROSEN ACCESSORIES

The following Rosen accessories are available. Most of these require some installation parts and labor - check with your authorized Rosen dealer for details.

### CV4000 TV Tuner kit

The CV4000 includes a TV Tuner that receives U.S. television broadcasts, a wire harness, and a TV antenna. When installed using the AC3024 harness, the TV Tuner is controlled by the system remote.

### AC3025 Remote Control



This is the original replacement remote control for the system.

### AC3003 Infrared Wireless Headphones



These are the original-equipment headphones for the system.

### AC3062 Noise-Cancelling Infrared Wireless Headphones

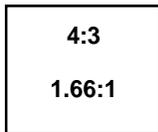
These offer improved audio performance through electronic cancellation of background and road noise.

### AC3004 Wired Headphones with volume control

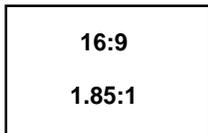
These are for use with the headphone jack on the front of the unit.

## WHAT CAN I DO ABOUT BLACK BARS ?

Motion picture film and cameras, and later television screens, were originally designed around a screen size that was almost square - it was one-third wider than it was high (another way to say this is that it had a width-to-height ratio, or aspect ratio, of 4:3. This ratio, 4:3, can also be expressed as 1.66:1.)



When widescreen movies using technologies like Cinemascope and Panavision became popular, new aspect ratios were used for them - 1.78:1, 2.35:1, and even 2.55:1. When high-definition television was developed, a screen shape of 16:9, or 1.85:1, was selected as the best compromise for viewing widescreen movie images.



When you watch widescreen movies on a standard 4:3 television, there are "black bars" on the top and bottom of the screen. This is often called a "letterbox" image. The alternative is called "pan-and-scan", where the edges of the image are "cropped" off.



This system uses a widescreen 16:9, or 1.85:1 display - the same aspect ratio as high-definition televisions. This means that when viewing widescreen DVD's, these black bars are either non-existent, or greatly minimized.



## WHY ARE THE BLACK BARS STILL THERE SOMETIMES?

There are three possible reasons for black bars to appear on the top and bottom of the system's display:

- 1) You are watching a widescreen movie with an aspect ratio *greater than* 1.85:1.

Check the disc jewel box to determine the DVD's aspect ratio - if you see "2.3:1", "2.33:1", or "2.35:1", this applies to you.

- 2) The internal DVD player has been set for a 4:3 display instead of the built-in 16:9 wide display. See DVD Setup, Page 23, to correct this.
- 3) The "widescreen" DVD movie you are viewing is not "anamorphic" or "enhanced for widescreen televisions". These films, often older DVD conversions, are not recommended for viewing on widescreen displays, since they will not fill a wide screen - instead, you often end up with a "picture frame" effect. You can usually determine if your DVD was produced for optimum compatibility with widescreen televisions by looking for the word "anamorphic" or the phrase "enhanced for widescreen televisions" on the box.

## ELIMINATING BLACK BARS WHEN VIEWING A DVD:

First, Rosen recommends that for best results you use DVD's that say "anamorphic" or "enhanced for widescreen televisions" on the box. However, this system can get rid of black bars with just about any DVD, by following the steps below.

*Note: To watch "fullscreen" DVD's or broadcast television (using an optional TV tuner), you can use the **DISPLAY MODE** button to select "Standard". This will properly size the image, instead of stretching the image across the wide screen. In "Standard" mode, you **will** see black bars on the **sides** of the image.*

### 1) Make sure that the internal DVD player is set to "WIDE"

(see DVD Setup, page 23).

### 2) Use the Display Mode button to select "Wide" or "Zoom".

- To view widescreen DVD's, use "Wide".
- To stretch the picture, use "Stretch" mode.
- To zoom the picture, use the "Zoom" mode.

*Note: This feature will slightly "crop" the edges of the image. For best results when zooming in on DVD images, use the Disc Zoom feature below - not the "Zoom" Display Mode.*

### 3) If needed, use the Disc Zoom button. Again, the edges will be "cropped", but the screen will be filled.

Press the **DISC ZOOM** button during playback to select among the following options: x1.5, x2, and x4. You can then use the arrow buttons to shift the magnified image left and right.

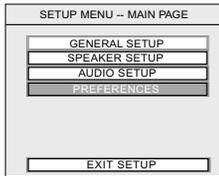
## DVD TYPICAL SETUP AND CONFIGURATION

The following section explains how to customize various features of the Internal DVD Player, including various language, display, and parental control features.

*Note: Many DVD menu settings do not apply to this system, since it is specifically engineered for automotive use. Changing the state of some settings can cause apparent system failure. If you have questions about the original state of any DVD setting, please see the list on page 24.*

To change the settings for the internal DVD Player:

- 1 Press **SOURCE SETUP**.
- 2 Use the navigation arrow buttons to highlight a selection.
- 3 Press the **ENTER** button to confirm your selection.

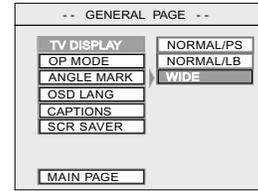


If you try to perform an action that is not permitted (such as accessing the Preferences menu while a disc is playing), the on-screen display will use the following symbol:



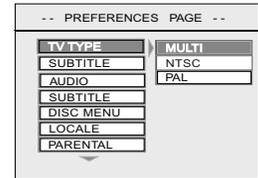
### Changing the Aspect Ratio Mode

This is under the GENERAL tab. The correct setting is WIDE. Changing this setting to NORMAL/PS or NORMAL/LB will result in distorted video.



### Changing the Video Output Mode

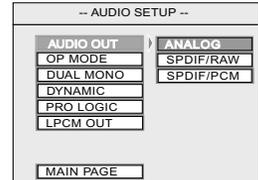
To change the video output mode, select GENERAL, and then select TV TYPE. The default is NTSC. If you want to be able to play PAL discs on your NTSC monitors, select PAL.



*Note: The default setting "MULTI" will automatically output NTSC video from NTSC discs, and PAL video from PAL discs. NTSC is the North American standard. Some discs do not play properly when MULTI is selected.*

### The Digital Output Setting

There is a setting in the menu for a Digital Audio output. This unit does not have a digital audio output. Leave this setting in the ANALOG mode.



*Note: Enabling the Digital Audio mode disables the analog audio output used by the FM Modulator and the IR headphones, and can resemble a system audio failure.*

## Parental Control

The supplied remote control does not support the Parental Control feature.

## Changing Language Settings

Several language settings can be customized on the DVD Player. These languages can vary depending on the language supported by the DVD disc.

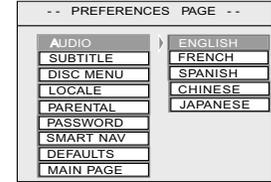
Notes:

- Not all language settings are supported by all discs.
- The languages supported vary with the individual option setting - there is not a global language setting.

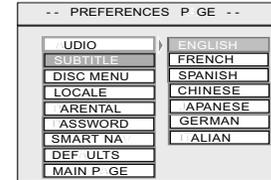
**To change the on-screen display language,** select GENERAL and OSD LANG.



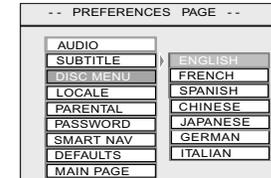
**To change the soundtrack language,** select PREFERENCES and AUDIO.



**To change the subtitle or caption language,** select PREFERENCES and SUBTITLE.

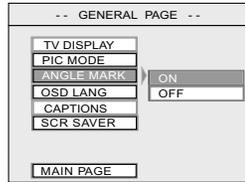


**To change the disc menu language,** select PREFERENCES and DISC MENU.



### Concealing the "Angle Mark"

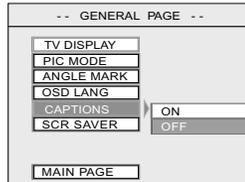
To display or conceal the "angle mark," which appears during scenes that support a multiple-viewing-angle feature, select GENERAL and ANGLE MARK. Since the remote included does not support this feature, the default state for this setting is "OFF".



### Activating Captions and Subtitles

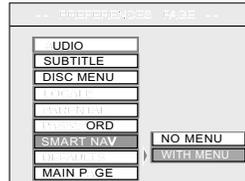
To enable or disable captions or subtitles, select GENERAL and CAPTIONS.

*Note: If CAPTIONS is set to OFF, the **SUBTITLE** button will be defeated from working. If **SUBTITLE OFF** is selected under Preferences – Audio, then the **SUBTITLE** button can still enable subtitles during playback, as long as CAPTIONS is set to ON.*



### Deactivating the "Smart Nav" MP3 On-Screen Menu Display

To play MP3 discs without the "Smart Nav" on-screen menu display, select PREFERENCES, then SMART NAV.



### DVD Setup Options List

The factory default options are given in bold type.

#### GENERAL PAGE

TV DISPLAY: **NORMAL/PS**, NORMAL/LB, WIDE  
 TV TYPE: MULTI, **NTSC**, PAL  
 ANGLE MARK: **ON**, OFF  
 OSD LANG: **ENGLISH**, CHINESE  
 CAPTIONS: **ON**, OFF  
 SCR N SAVER: **OFF**, ON

#### SPEAKER SETUP

DOWNMIX: LT/RT, **STEREO**

#### AUDIO SETUP

AUDIO OUTPUT: **ANALOG**, SPDIF/RAW, SPDIF/PCM  
 DYNAMIC: OFF to **FULL** (eight steps)  
 LPCM: 48K, 96K

#### PREFERENCES PAGE

AUDIO: **ENGLISH**, FRENCH, SPANISH, CHINESE, JAPANESE  
 SUBTITLE: **ENGLISH**, FRENCH, SPANISH, CHINESE, JAPANESE, OFF  
 DISC MENU: **ENGLISH**, FRENCH, SPANISH, CHINESE, JAPANESE  
 LOCALE: CHINA, FRANCE, HONG KONG, JAPAN, TAIWAN, GBR, **USA**  
 PARENTAL: **OFF**  
 PASSWORD: **3308**  
 SMART NAV: **ON**, OFF

## FAQ'S

### I HAVE NO PICTURE AND NO SOUND - WHAT'S WRONG?

The system has low- and high-voltage and temperature protection circuits. If the voltage or temperature goes beyond the limits, the system shuts off. The power wire or power harness may have been disconnected, or the fuse may have failed. Contact your Rosen authorized dealer to determine if this is the case.

*Note: The system voltage range is 11-16VDC operating voltage. The system operating temperature is 0° to 60° Celsius (32° to 140° Fahrenheit). Use of the system beyond the safe operating ranges listed can cause temporary or permanent damage to the unit - such damage may not be covered by manufacturer's warranty.*

### I HAVE A PICTURE, BUT NO SOUND OR DISTORTED SOUND. WHY?

Check the **MUTE** button. Check the volume on the radio, and make sure the radio is tuned to the right frequency - try tuning the FMM and the radio to a new frequency. Check the headphones; ensure the headphones have a direct "line of sight" to the infrared transmitter below the monitor. Replace headphone batteries, if needed. Check the DVD Setup Menu - the Audio Output setting must be set to "ANALOG" and the Speaker Downmix setting must be set to "STEREO". If using a CD you have made yourself, make sure you did not set the recording level too high.

### I HAVE GOOD SOUND, BUT A BLURRY PICTURE - WHY?

This happens if the system components are very cold. Allow the interior of the vehicle to warm up before using the system.

### WHY DON'T THE PREVIOUS OR NEXT BUTTONS WORK WITH A VCD?

Some VCDs don't support these - erratic operation can result.

### WHY DO I GET NO RESPONSE WHEN I PRESS THE REMOTE BUTTONS?

Check the battery in the remote control.

### THE DOME LIGHT WENT OUT - WHY?

The dome light has a 5-minute timer to prevent accidental battery drain.

### I HAVE BLACK BARS ON THE TOP AND BOTTOM OF MY SCREEN WITH A WIDESCREEN DVD - HOW DO I GET RID OF THEM?

See page 20.

### THE STOP/EJECT BUTTON DOESN'T EJECT THE DISC RIGHT AWAY

While a disc is playing, this button acts as a **STOP** button. To eject a disc while it is playing, press the **STOP/EJECT** button twice in quick succession. The Eject button on the remote control always ejects the disc immediately.

### THE DISC WILL NOT EJECT AT ALL

Have your Rosen authorized dealer reset the system.

If this section does not address your question, please contact your Rosen authorized dealer. Also, your system has internal diagnostic capabilities that are accessible to authorized Rosen dealers. To locate a Rosen Entertainment Systems authorized dealer, please visit [www.rosenentertainment.com](http://www.rosenentertainment.com).





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