

DVD Entertainment System

Owner's Manual



.mp3

wireless
integrated
VIDEOGAMES



NOTICES

NOTICE OF INTENDED USE

Rosen Entertainment Systems are designed to enable viewing of video ONLY for rear-seat occupants, and are not intended for viewing by the driver when the vehicle is in motion. Such use might distract the driver or interfere with the driver's safe operation of the vehicle, and thus result in serious injury or death. Such use might also violate state or local laws.

Rosen Entertainment Systems disclaims any liability for any bodily injury or property damage that might 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.

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GETTING STARTED

Use the system with the vehicle running or with the ignition key switch in the "accessory" position.

Make certain that the remote, the headphones, and the game controller have fresh batteries properly installed.

To adjust the angle of the screen and switch on the system:

With both hands on the headrest move the headrest to get the correct angle for viewing. Once you have the correct viewing angle use the POWER button on the front of the display to turn on the system. Each headrest must be turned on independently.



To Watch a DVD:

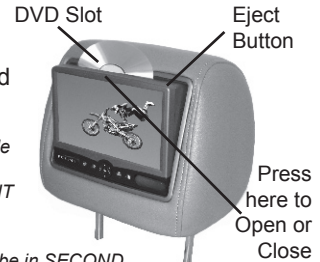
- 1 Press **MODE** (**SOURCE** on the remote) until "INTERNAL DVD" is displayed.
- 2 Press on the upper center of the display bezel to open the system and expose the DVD slot.
- 3 Press **EJECT** to remove any loaded disc.
- 4 Insert a DVD with the label facing you.

- 5 Most DVD discs begin playback automatically. If a menu appears, press **PLAY** or **ENTER** as instructed on the screen.

Note: If your system is configured with a single DVD player, the video can be watched on the non-DVD headrest through the SECOND UNIT mode.

At power up, the pod with the player will be in INTERNAL DVD mode and the other pod will be in SECOND UNIT mode. When powered on, a "Rosen" blue background will be displayed on the screen for 3 seconds. If there is video on the other pod, it will switch to the video of that pod. If the other pod is not powered on, then it will switch to a black screen showing the "no signal" osd.

*Note: While a disc is playing, the **Stop/Eject** button on the top of the unit acts as a Stop button. To eject a disc while it is playing, press Eject twice, the disc will eject in a few seconds.*



To Play the Integrated Video Game:

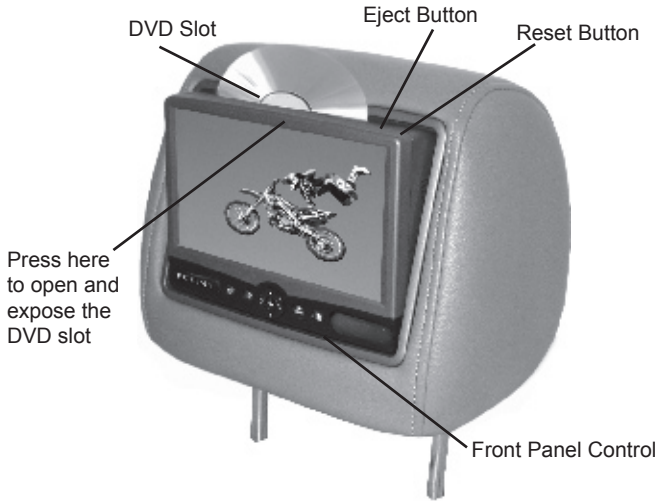
- 1 Press any button on the Controller to check the batteries. The Controller LED will blink while the button is held down confirming the batteries are ok.
- 2 Press **SOURCE** until "INTERNAL GAME" appears on the screen.
- 3 Use the arrow keys on the game controller to select a game.
- 4 Press the **START** button on the game controller. (see page 17 for more information)



To View Same Image on both Screens:

- 1 Press **SOURCE** until "Second Unit" appears on the screen. Your monitor will now display the same image as the second unit.

Front View



Console-mounted AUX Input Jack Locations



To Use An External Video Source

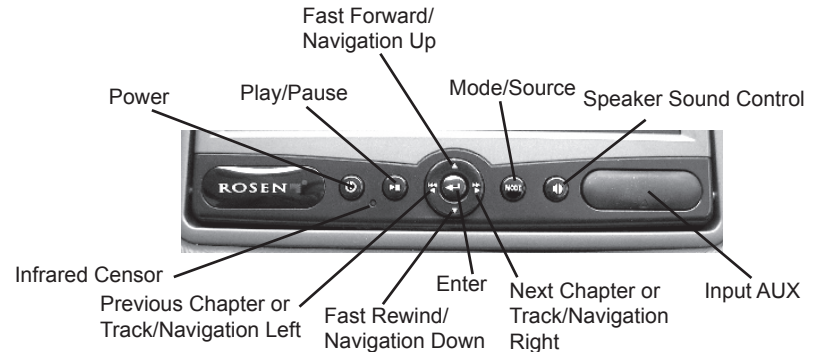
(optional video game console or camcorder):

- 1 Connect the RCA audio and video outputs of the device to the RCA inputs of the system.
- 2 Press **MODE (SOURCE)** on the remote until "AUX 1" appears on the screen.

Listening Over the Vehicle Speakers

- 1 Make sure **MUTE** is off. Press **SPEAKER** button on the front panel of the system or the remote control and "SPEAKER SOUND ON FM __ . __ PRESS LEFT OR RIGHT TO ADJUST" will appear on the screen.
- 2 Turn on the car radio. Tune to the FM frequency displayed on the screen. If radio interference is heard, try another frequency. (see pages 13 and 15 for more information)

The Front Panel Controls



INTRODUCTION

Congratulations on owning a Rosen Entertainment System! Here's a list of some things you can do with your system:

- Play DVD movies, music CDs, VCD, SVCD or discs with MP3 audio files.
- Play video games.
- Listen using the vehicle speakers or the wireless headphones.
- Use external audio/video units like video game consoles, camcorders, or optional units like a TV tuner or a DVD changer.

Each headrest can be used independently or they can be used together. Each monitor has its own wireless built-in games.

Your system includes the following components:

- Two fully integrated custom headrests.
- Two built-in DVD/CD players or One player and One monitor.
- Two independent wireless game controllers.
- Two wireless infrared two channel headphones.
- Remote control.
- Interface module with built-in wireless FM Transmitter (FMT).
- Monitor cables and power harness.

Precautions

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



- Use this system only if properly installed by a qualified installer.
- If the unit shows any sign of malfunction, turn it off and consult your dealer immediately. Do not open the unit - there are no serviceable parts inside.
- Do not press directly on the display surface - you might 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.
- When using portable radios and telephones near the system, picture or sound interference may occur.
- If your car was parked in a very cold or very hot place, you may see a blank screen, distorted picture or the unit may not be able to load a disc. The system will return to normal after the unit temperature returns to a normal operating range. This may take more than an hour depending on the temperature.

Note: The system's operating voltage range is 11-16VDC operating voltage. The system operating temperature is 32° to 140° F (0° to 60° C). 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.

DISCS PLAYED

Compatible Discs

DVD, Video CD (VCD), and CD-Audio discs are compatible with the AV7000 system. Compatible discs have these logos on their labels:



Also, the unit can play *most* CD-Recordable discs containing CD-Audio, MP3 files, and JPEG images - but not all such discs. *Since these discs are usually made on home computers, there is no certification process ensuring that all such discs play on all players.*

DVD Regions

When a DVD disc is created, it is encoded with a "Region number." The disc will only play on DVD players with the same Region number - for instance, a Region 3 disc won't play on a Region 1 player.

Region 1: U.S. and U.S. Territories, Canada

Region 2: Japan, Western Europe, Middle East, South Africa

Region 3: South Korea, Hong Kong, Taiwan, Southeast and East Asia

Region 4: New Zealand, Australia, Pacific Islands, Mexico, Central/South America

Region 5: Russia and the former Soviet Union, Africa, Indian subcontinent, North Korea

Region 6: China

Region 8: Special International Venues (Cruise Ships, Airlines, etc.)

DVD Region Icons



Incompatible Discs

The following disc types are incompatible with the system:

- DVD-ROM/DVD-RAM/DVD+RAM discs.
- Most DVD-R/DVD-RW/DVD+R/DVD+RW discs.
- Some Photo CDs.
- CD-ROM data discs.
- CD-Audio discs made with certain copy protection methods.
- Any DVD with a different Region number than the unit.
- Any disc that does not meet DVD Forum standards.

Why the system doesn't respond the same way to all discs

When a DVD disc is created, the creator has to define how the disc will operate when 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 functions at certain times, such as Fast-Forward and Stop (which is why you can't skip past the copyright warning screen). If some DVD feature temporarily isn't working for you, usually the disc is preventing the player from performing that function.

Discs that don't properly load and play

Some CD and DVD discs, especially homemade discs which do not have all the data needed to properly initialize all DVD players, may not load and play properly. They may even create a state where the DVD player will not eject the disc at all. In these cases, use a paper clip to press the Reset button (this button's location is shown on page 7).

CHANGING AND ADJUSTING THE DISPLAY

Selecting a display mode: The system's "widescreen" display has a 16:9 aspect ratio - wider than a standard television. While many DVDs provide widescreen video images that fit the screen, standard broadcast TV and many video games do not.

- To view a widescreen DVD, press the **DISPLAY** button on the remote until "WIDE" is displayed on the screen.
- To watch a fullscreen DVD, the internal game system, or broadcast television, select "STANDARD."

Change the Display Adjustments Remote Control Only: The display has adjustable video settings. To change these settings, press and hold the **DISPLAY** button on the remote control to bring up the following menu:

▶ BRIGHTNESS	32
CONTRAST	32
COLOR	32
TINT	32

To select a setting to be changed: Press the **DOWN** arrow button to move the cursor down the menu list. Once you have selected the item to change, use the **LEFT** and **RIGHT** arrows on the remote or the front panel to adjust the settings. After you have finished making your desired changes, press the **DISPLAY** button on the remote to exit and save the changes you have made.

To change the value of a setting: Use the **LEFT** and **RIGHT** arrow buttons. The range is from 0 to 63.

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

Note: See page 12 for more on adjusting the Brightness setting.

Note: The internal DVD player can be configured for either a 16:9 "Wide" image output or a 4:3 "Standard" image output. Since the unit has a wide screen display, the DVD player should be configured for "Wide." For more information, see page 19.

Note: The internal DVD player also has a set of video adjustments, which are separate from the main adjustments. For more information, see page 20.

USING THE REMOTE CONTROL

You can use the remote control to operate the system, including access to features not available on the front panel. The unit has an infrared sensor to receive signals located in the control panel. For definitions of each remote control button's specific function, see the following pages.

- | | |
|------------------------------|----------------------------|
| 1 Power | 15 System Menu |
| 2 Pause/Frame Step | 16 Zoom |
| 3 Stop | 17 Navigate Left |
| 4 Play | 18 Enter |
| 5 Previous Chapter/Track | 19 Navigate Right |
| 6 Fast Reverse | 20 Display |
| 7 Fast Forward | 21 Setup |
| 8 Next Chapter/Track | 22 Navigate Down |
| 9 Speaker Sound Control | 23 Disc Menu |
| 10 Rosen Entertainment Sound | 24 Day/Night Mode |
| 11 Mute | 25 Dome Light (Not Active) |
| 12 Eject (Not Active) | 26 Output B (Not Active) |
| 13 Source | |
| 14 Navigate Up | |

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), there will be no response from the unit. This is normal operation and is not a problem with your system.



BASIC REMOTE CONTROL BUTTONS

1 Power

Pressing this button powers on the unit. This button also powers on the Optional external source unit.

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**.

To play the disc from the beginning, press **STOP** twice, then **PLAY**.

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

12 Eject

The remote control has an eject button on it however, it is only operational for the optional external source.

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 Fast Reverse

Press to search in reverse. To resume normal playback, press **PLAY**. Press the **REVERSE** button multiple times to adjust search direction and speed. Choose from 2x, 4x, 6x, and 8x. Press **PLAY** to resume regular play.

7 Fast Forward

Press during playback to fast forward. Press the **FAST FORWARD** button multiple times to adjust search direction and speed. Choose from 2x, 4x, 6x, and 8x. Press **PLAY** to resume regular play.

24 Day/Night Mode

This button decreases display brightness for optimum viewing in low light conditions.

Set the brightness level in daytime conditions with plenty of ambient light. You can use this button to switch between Day and Night modes. (see page 10)

USING MENU AND NAVIGATION BUTTONS

13 Source

This button allows you select the internal DVD/CD player, the Internal Game, the Second Unit, or the Auxiliary Input. You can also select the optional TV Tuner, DVD Changer, or other optional auxiliary sources, if installed.

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

14, 22 Up/Down Navigation Arrows

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

17, 19 Left/Right Navigation Arrows

Press to move left or right in a menu. Also used to change frequencies on the FMT, after the Speaker Sound button is pressed.

18 Enter

Press to make a menu selection.

21 Setup

Pressing this button brings up the DVD setup screen (refer to the DVD Typical Setup and Configuration section on page 20).

15 System Menu

Pressing this button brings you into the Internal DVD menu.

USING AUDIO BUTTONS

9 Speaker Sound Control

When this button is pressed, “*Speaker Sound On*” appears on the screen, along with the FM frequency to which you should tune your radio, such as “*FM 87.7*.” To change the frequency, press the **LEFT** or **RIGHT** arrow buttons on the remote control. Headphone audio is not affected by this button.

FM frequencies available: 87.7, 87.9, 88.1, 88.3, 88.5, 88.7, 88.9, 106.7, 106.9, 107.1, 107.3, 107.5, 107.7, 107.9.

Note: If the frequency does not appear on screen when this button is pressed, an external FM Modulator is probably being used. See page 15 for more information.

10 Rosen Entertainment Sound

This button allows you change the RES settings for the built-in surround-sound and equalization. Press the button once, and “Equalization” will appear - twice, and the word “Surround” will appear. A third press exits the adjustment mode. Pressing the L and R arrow keys will change the selected setting.

11 Mute

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

USING DVD DISC FEATURES

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

16 Zoom



View the same scene on a DVD at different magnifications.

- 1 Press the **ZOOM** button during playback to select among the following options: x1.5, x2, x3, and Off.
- 2 To resume normal playback, press **ZOOM** until "Zoom off" is displayed.

20 Display



This button allows you select from the various screen display modes.

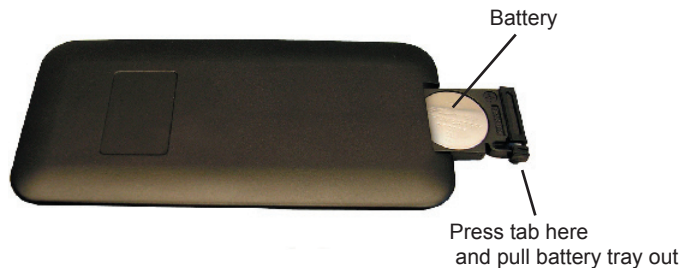
- To view a widescreen DVD, press this button until "WIDE" is displayed on the screen. This uses the full width of the screen.
- To watch a fullscreen DVD or broadcast television, press until "STANDARD" is displayed. This mode uses most of the screen, but black bars will be visible on the sides, like this:



- To adjust the display settings (color, contrast, etc.), press and hold the **DISPLAY** button for two seconds.

For more information about image shapes, see "Managing Black Bars," on page 18.

REPLACING THE REMOTE BATTERY



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.

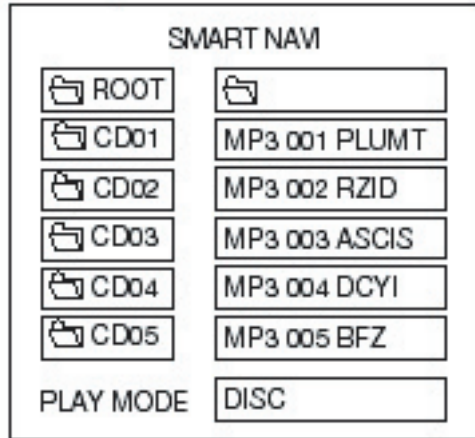
CD AUDIO, MP3, JPEG, AND VIDEO CD PLAYBACK

CD Playback

When you insert an audio CD, “CD” will appear on the screen. The standard CD commands (PLAY, NEXT, etc.) will control the unit. Some CDs recorded in CD-R or CD-RW mode may not play.

MP3, JPEG, Video CD Playback

When a disc containing MP3, JPEG, or Video CD files is inserted, the following screen appears. Use the arrow buttons to select a file type.



LISTENING OVER THE CAR SPEAKERS

The system uses a wireless FM Transmitter (FMT) to send audio through the vehicle's speakers. To listen over your speakers:

- 1 Make sure system **MUTE** is off. Press **SPEAKER**. “SPEAKER SOUND ON FM __ . __ . __” appears. Select a FM frequency as described below.
- 2 Turn on the car radio. Tune to the FM frequency displayed on the screen, such as “FM 87.7.”
- 3 If no system audio is heard, try changing the FMT frequency and re-tuning the radio to the new frequency.

To change the FM Transmitter frequency:

Press **SPEAKER**. “Speaker Sound on FM __ . __ . __” will be displayed. Now use the **LEFT** and **RIGHT** buttons to change the frequency. The FMT frequencies are 87.7, 87.9, 88.1, 88.3, 88.5, 88.7, 88.9, 106.7, 106.9, 107.1, 107.3, 107.5, 107.7, and 107.9. After you select a frequency, re-tune your radio and check for clear sound.

The system saves the frequency you select, and returns to it each time the system is turned on. You may want to store the FMT frequency as a preset of your radio for ease of use.

Note: If there seems to be a strong station on the FM Transmitter frequency, and you are hearing a radio station mixed in with the system audio, change the FM Transmitter frequency. Avoid frequencies used by local radio stations.

If the words “HEADPHONE SOUND ONLY” appear, the Internal FMT is turned off. It can be turned on by pressing the **SPEAKER** button and selecting a FM frequency. If the words “SPEAKER SOUND” appear, an external FM Modulator (FMM) is probably being used. In this case, the **SPEAKER** button turns the external FMM on and off. The Rosen external FMM frequencies are FM 87.7, 87.9, 88.1, 88.3, 88.5, 88.7, 88.9. If you have any questions about your FMM, please ask your Rosen dealer.

USING THE INCLUDED WIRELESS HEADPHONES

The system comes with two (2) infrared (IR) wireless headphones. These headphones receive a signal from an IR transmitter built into the unit. Headphones allow rear-seat passengers to listen without using the vehicle speakers.

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

The headphones have a two-position slide switch labeled "A/B." When the switch is in the "A" position, the headphones play audio from the source designated as "A." When the switch is in the "B" position, the headphones play audio from the source designated as "B."

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

Adjust headphones



REPLACING HEADPHONE BATTERIES

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



WATCHING BROADCAST TELEVISION

(ON TV TUNER-EQUIPPED SYSTEMS)

You can watch television on the system if you have installed the optional TV Tuner kit.

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** on the remote control or **MODE** on the front control panel to select the "TV TUNER" input. "TV TUNER" will appear on the screen. If the screen remains dark, press the remote's **POWER** button.
- 2 Press the **UP** and **DOWN** arrow buttons on the remote to change channels. You can also use the **UP** and **DOWN** arrows on the front control panel. Pressing the **LEFT** and **RIGHT** buttons allows you to access the auxiliary inputs of the TV Tuner.
- 3 To scan and store all available channels, press **SOURCE**.

*Note: To watch broadcast television or video tapes in their original format, press the **DISPLAY** 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 THE INTEGRATED GAME SYSTEM

There are integrated video games built into the system. The Rosen Game Controller is included. Although the controller may resemble controllers for home game systems, only the Rosen controller is certified to operate with the system.

To play a game:

Press and hold any button on the controller to check the batteries. The controller LED will blink to confirm the batteries are operational.



Press **SOURCE** on the remote or **MODE** on the front control panel until "INTERNAL GAME" appears, along with the game startup menu.

Set the controller to channel A or B depending on which headrest unit you will be using.

Use the left and right arrows on the controller to select which game you want to play from the list.

Press **START** on the controller.

While playing, use **A and/or B** as fire, jump, or other action buttons, depending on the game.

To return to the game main menu, press **RESET** on the controller.

Note: The controller works using infrared "line-of-sight" technology. If the controller is held so that there is not a clear line of sight to the system, intermittent operation results.

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** or **MODE** to select "AUX 1."

Red — Right channel audio input

White — Left channel audio input

Yellow — Video input



Color-Coded RCA Jacks

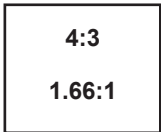
To use an external game system, a 12VDC to 110VAC power inverter, available at most electronic retail stores, is often required.

*Note: If you want to watch non-widescreen, 4:3 images, press the **DISPLAY** 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:*



MANAGING 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 DVDs, 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 display:

- 1 You are watching a widescreen movie with an aspect ratio *greater than* 1.85:1. (For more options on dealing with this, see below). Check the disc jewel box to determine the DVDs aspect ratio - if you see 2.3:1, 2.33:1, or 2.35:1, this applies.
- 2 The internal DVD player has been set for a 4:3 display instead of a 16:9, wide display. See DVD Setup on page 20 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. 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.

WHAT CAN I DO?

First, Rosen recommends that for best results you use DVDs 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 on the next page.

*Note: To watch fullscreen DVDs or broadcast television (using an optional TV tuner), you can use the **DISPLAY** 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.*

Eliminating Black Bars when viewing a DVD:

1 Make sure that the internal DVD player is set to “WIDE”
(see DVD Setup, page 20)

2 Use the Display Mode button to select “Wide” or “Zoom”

- To view widescreen DVDs, use “Wide.”
- 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 button below.

If this solution still isn’t satisfactory, go to step 3.

3 Use the disc ZOOM button to completely fill the screen.

Again, the edges will be “cropped,” but the screen will be filled.

Press the **ZOOM** button during playback to select among the available options. You can then use the arrow buttons to shift the magnified image left and right.

Note: Best results are obtained by connecting only widescreen displays to the system. The DVD player can provide either widescreen video or standard, non-widescreen video - it cannot provide widescreen video for one screen and standard video for other screens. Your Rosen authorized dealer offers a selection of high-quality widescreen automotive displays.

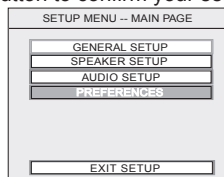
DVD TYPICAL SETUP AND CONFIGURATION

The following section explains how to customize various features of the Internal DVD Player, including various languages, 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. Do not change any settings other than those described in this section. If you have questions about the original state of any DVD settings, please see the list on page 24.

To change the settings for the internal DVD player:

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



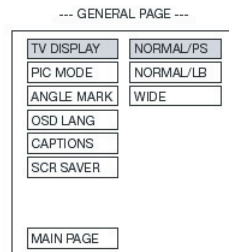
If you try to perform an action that is not permitted or not permitted while a disc is playing, this on-screen symbol will appear:



Note: To access the Preferences page, you must completely stop playback of any loaded disc, or eject the disc completely.

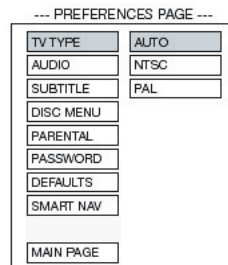
Changing the Aspect Ratio Mode

This is under the GENERAL SETUP tab, under TV DISPLAY. 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 PREFERENCES, 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. If you change this setting and the picture “rolls,” see your Rosen dealer.



Note: The setting “AUTO” will automatically output NTSC video from NTSC discs, and PAL video from PAL discs. NTSC is the North American standard. Some discs may not play properly when AUTO is selected.

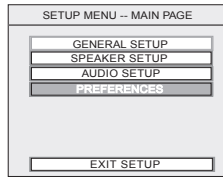
Parental Control

The factory set Parental Control password is 3308.

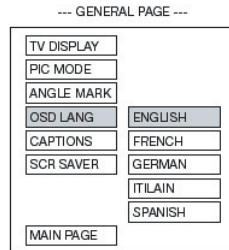
Changing Language Settings

Several language settings can be customized on the DVD Player. These languages can vary depending on the language supported by the DVD disc. To change these settings, select the PREFERENCES page.

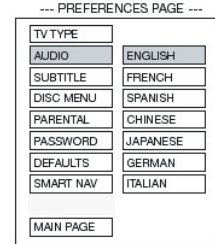
Note: Not all language settings are supported by all discs.



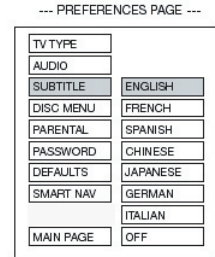
To change the on-screen display language, select GENERAL and OSD LANGUAGE.



To change the soundtrack language, select PREFERENCES and AUDIO.

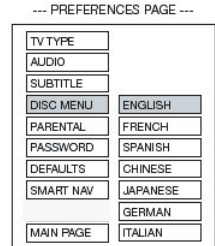


To change the subtitle or caption language, select PREFERENCES and SUBTITLE.



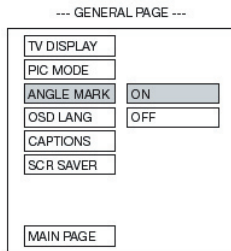
To change the disc menu language, select PREFERENCES and MENU LANG.

Note: If you select another language, the change takes effect immediately on the on-screen menu, making any needed correction difficult if you select a language you are unable to read. Avoid changing menu languages unless absolutely needed.



Concealing the "Angle Mark"

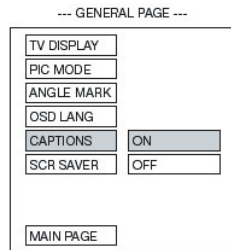
To display or conceal the "angle mark," which appears during scenes that support a multiple-viewing-angle feature, select GENERAL and ANGLE MARK. Since the remote included does not support this feature, the default state for this setting is "OFF."



Activating Captions and Subtitles

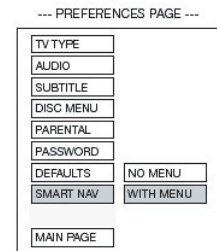
To enable or disable captions or subtitles, select GENERAL and CAPTIONS.

Note: If CAPTIONS is set to OFF, the SUBTITLE button will not work. 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.



FREQUENTLY ASKED QUESTIONS

HOW DO I RESET MY SYSTEM?

To RESET the system, press and hold the RESET button for 3 or more seconds. The RESET button is located near the eject button. (see page 7)

MY SYSTEM IS NOT RESPONDING TO COMMANDS

Periodically, the DVD system may receive conflicting commands from a DVD or remote control. When this happens, the system may not respond properly to the remote control, control buttons, or may be locked up and not respond at all.

Solution: The system needs to be RESET as described above.

Solution: Replace the battery in the remote control.

MY AUDIO HAS STATIC ON THE RADIO

To receive audio over the radio, the radio must be tuned to a broadcast station, which is not in use by a local radio station.

Solution: Set the FM Transmitter to an alternate radio station. Then tune the radio to the newly selected station.

MY DVD WILL NOT PLAY

Some DVDs will not play properly due to compatibility, dirt, edge roughness, damage to the disc or the system may be beyond its operating temperature.

Solution: Confirm the DVD is a compatible format. (see page 9)

Solution: Check and clean the DVD as needed.

Solution: Use a pencil or soft wood to smooth the edge of the disk.

Solution: Replace the DVD if scratched, cracked or warped.

Solution: Allow the system temperature to return to normal operating temperatures. This may take up to an hour after the air temperature in the vehicle is at a comfortable level.

MY SYSTEM RESETS WHEN I START MY VEHICLE

Voltage levels while starting the vehicle can fall below the minimum operating levels for the system.

Solution: Ensure your battery is fully charged and in good condition.

Solution: Avoid operating your system without the engine running for periods longer than 10 minutes.

I CAN NOT GET AUDIO ON THE RADIO

To receive audio over the radio, the system must have SPEAKERS ENABLE selected, and the radio must be tuned to the proper station.

Solution: Press the SPEAKER button on the remote control to enable the radio transmission.

Solution: Tune the radio to the proper FM station as directed in the "Listening Over the Car Speakers" section of this manual. (see page 15)

MY DVD WILL NOT EJECT

Damaged DVDs, incompatible DVDs or improper system installation will prevent the DVD from ejecting and may lock up the system.

Solution: Reset the system (see page 22) then quickly press EJECT while the disc is spinning.

Solution: Check the DVD for damage, replace the DVD if scratched, cracked or warped.

Solution: Confirm the DVD is a compatible format. (see page 9)

I DO NOT HAVE HEADPHONE AUDIO

The headphone audio should be preset at all times, unless MUTE is on, or a DVD setting has been changed in the DVD Settings Menu.

Solution: Press the MUTE button to enable the audio and turn the MUTE OFF.

Solution: Confirm that the headphones are turned on, and the ON LED indicator is illuminated, change batteries if needed.

Solution: Check the DVD settings and restore them to FACTORY SETTINGS if needed. (see page 24)

MY PICTURE FREEZES

Damaged or incompatible DVDs will cause the system to freeze and lock up the system.

Solution: Check and clean the DVD as needed.

Solution: Replace the DVD if scratched, cracked or warped.

Solution: Confirm the DVD is a compatible format. (see page 9)

Solution: Reset the system. (see page 22)

MY RADIO LOSES ITS NORMAL STATIONS

With an external FM Modulator and while the system is set to broadcast over the radio with SPEAKERS ENABLED, the vehicle's antenna is temporarily disabled.

Solution: Press the SPEAKER button on the remote to restore the vehicle antenna, "Headphones Only" will appear on the screen.

MY PICTURE IS DISTORTED

Excessive cold or hot temperatures will cause the picture on the display to become distorted or lose color or contrast.

Solution: Allow the system temperature to return to normal operating temperatures. This may take up to an hour after the air temperature in the vehicle is at a comfortable level.

MY PICTURE IS BLACK

The screen will appear black or dark blue if there is no video signal. This may happen if the DVD fails to initialize properly or if a source is selected which is not connected.

Solution: Eject the DVD and inspect it for damage, scratches or cracks. Clean the DVD and re-insert the disc.

Solution: Reset the system. (see page 22)

WHY CAN'T I HEAR THE AUDIO OUT OF THE HEADREST OVER THE CAR SPEAKERS?

Only one headrest at a time can be played through the car's audio system. To change this, press the speaker button on the monitor you want to hear. When you do this you will see "Headphones Only" on the other screen.

For other questions and capabilities please contact your authorized Rosen dealer. To locate a Rosen Entertainment Systems authorized dealer, please visit www.rosenentertainment.com.

DVD FACTORY SETTINGS LIST

The factory default options are given in bold type.

GENERAL PAGE

TV DISPLAY: NORMAL/PS, NORMAL/LB, **WIDE**
PICTURE MODE: AUTO
ANGLE MARK: ON, **OFF**
OSD LANG: **ENGLISH**, CHINESE
CAPTIONS: **ON**, OFF
SCRN SAVER: **OFF**, ON

SPEAKER SETUP

DOWNMIX: LT/RT, **STEREO**

AUDIO SETUP

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

PREFERENCES PAGE

TV TYPE: MULTI, **NTSC**, PAL
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: No menu, **with menu**

SERVICE PARTS

Part Number	Description
AC3567	Remote Control
AC3593	Power Harness
AC3072	IR Dual Channel Headphones
AC3614	Single Channel Fold Flat IR Headphones
AC3527	Game Controller
AC3523	Remote IR Harness
AC3594	Control Unit Interface Cable
HE0750	Control Box

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