

## OWNER'S MANUAL

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## REAR SEAT ENTERTAINMENT SYSTEM WITH DUAL DVD PLAYERS

General information .....	4
System overview.....	5
Buttons on the front panel .....	6
Remote control .....	7
Monitor .....	9
RSE and the vehicle's audio system.....	11
DVD player.....	12
Handling discs .....	16
Troubleshooting .....	17
Warranty .....	18



## Rear Seat Entertainment System with Dual DVD Players

### General information

#### Important notice

- Before operating the unit, please read these instructions carefully.
- Retain the manual for future reference.
- You are advised to follow the instructions carefully when operating the unit.
- Do not use any chemical solvents, cleaning agents or corrosive detergents to clean dirt off the surface of the screen. By doing so, you may cause irreversible damage to the surface of the TFT screen. To clean off dirt or fingerprints, we recommend using a soft, damp, lens cleaning cloth.
- Damage caused by unauthorized repairs or upgrades may void your warranty.
- When operating the display unit, avoid touching or pressing the LCD glass panel.
- Excessive force may cause irreparable damage to the LCD screen.
- Never operate your rear seat entertainment system in a way that will create a distraction from driving.
- Lock the LCD screen in the fully closed position when it is not in use.

#### Federal Communications Commission Interference Statement

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your Volvo retailer.



#### CAUTION

To assure continued FCC compliance: Any changes or modifications not expressly approved by the manufacturer of this device could void the user's authority to operate the equipment.

## Rear Seat Entertainment System with Dual DVD Players



### System overview

#### Main features

- 7" 16:9 WIDE SCREEN TFT-LCD HEADREST MONITOR
- BUILT IN DVD PLAYER
- BUILT IN WIRELESS HEADPHONE IR TRANSMITTER
- 1 AUDIO/VIDEO INPUT
- FULL FUNCTION WIRELESS REMOTE CONTROL
- (OSD) ON SCREEN DISPLAY FOR CONTROL OF PICTURE QUALITY AND FUNCTIONS
- FULL BAND FM MODULATOR WITH OSD CONTROL

#### Main specifications

- DISPLAY: 7.0" wide screen TFT LCD active matrix
- RESOLUTION: 480 (W) X 234 (H) x 3 (R.G.B.)
- DOT PITCH: 0.107mm(W) X 0.370mm(H)
- VIEWING ANGLE: 65° /50° /65° /65° (Top/Bottom/Left/Right)
- BRIGHTNESS: 400 cd/m<sup>2</sup>
- CONTRAST RATIO: 300:1
- POWER SOURCE: DC 12V (Negative Ground)
- POWER CONSUMPTION: 20W (Max.)
- OPERATING TEMPERATURE: 0°C~60°C (32°F~140°F)
- STORAGE TEMPERATURE: -20°C~70°C (-4°F~158°F)
- DIMENSIONS: 175mm x 60mm x 135 mm. (W x D x H)
- BUILT-IN TEMPERATURE CONTROL SYSTEM

#### DVD player

Supports DVD, VCD, AUDIO CD R/RW, and CD with downloaded MP3 files.

#### Monitor

7.0" wide screen TFT LCD active matrix

#### Standard accessories package contents

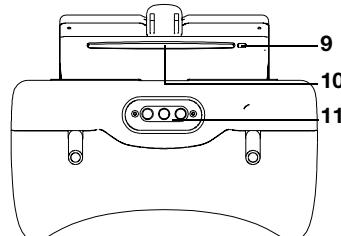
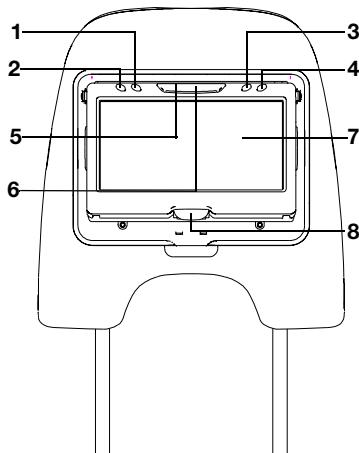
- Remote controls (2)
- AAA batteries (2 for each remote control)
- Operating manual
- Audio/Game input adapter cable
- Dual channel wireless IR headphones (2)
- Installation Instructions

#### Optional accessories

Additional dual channel wireless IR headphones, Volvo P/N 8640196

## Rear Seat Entertainment System with Dual DVD Players

### Buttons on the front panel



Underside of the unit

### Controls and connectors

1. **SOURCE button** - Press to toggle between desired sources (DVD/AV1/GAME). When AV1 is chosen as a source for one screen, that screen's menus, display, and audio output will be controlled from the other screen and remote control.
2. **POWER button** - Press to turn the monitor on/off.
3. **PLAY** - Plays DVD, VCD, AUDIO CD R/RW, and CD with downloaded MP3 files.
4. **STOP** - Press button to stop the DVD playing.  
**STOP -> STOP -> PLAY**: Play the disc from the beginning.  
**STOP-> PLAY**: Resume play from last position.
5. **IR transmitter** - transmit audio to wireless headphones.
6. **IR sensor** - Receives infrared signals from the remote control.
7. **LCD Screen**
8. **Locking tab** - Lift tab for monitor angle adjustment and to access DVD slot.
9. **EJECT** - With POWER on, press the Eject button near the DVD slot to eject the disc.
10. **DISC LOADING SLOT** - Insert / Eject the disc.
11. **AUDIO and GAME INPUT** - RCA jacks located on the underside of the headrest under the arches.  
(1) Red: Audio - Right input  
(2) White: Audio - Left input  
(3) Yellow: Video input

## Rear Seat Entertainment System with Dual DVD Players



### Remote control

#### Remote control operation

##### POWER button

Press this button to turn on the selected monitor, press again to turn off the monitor.

##### SOURCE button

Press **SOURCE** button to toggle between sources (DVD/AV1/GAME) on the selected monitor.

##### DRIVER button / PASSENGER button

Press each button to select **DRIVER** or **PASSENGER** monitor you would like to control.

##### VOLUME UP / DOWN buttons

Use these buttons to raise or lower the volume level of the audio output.

##### MUTE button

Press to mute the audio, press the button again to restore sound to the previous audio level.

##### PIC MENU button

Press this button to activate the on-screen display (OSD) menu.

##### CTRL LEFT button

Use this button to change the function / value of the monitor settings.

##### CTRL RIGHT button

Use this button to change the function / value of the monitor settings.



## Rear Seat Entertainment System with Dual DVD Players

### Remote control

#### DVD FUNCTION DESCRIPTIONS

**NUMBER buttons**

Direct access for CD tracks, DVD chapters, and password setting.

**PBC / MENU button**

Toggles available subtitles when playing VCD 2.0, or shortcut to DVD selection title menu.

**TITLE button**

Certain DVDs come with title selections. For such cases, the TITLE button allows the user to select desired title.

**SUBTITLE button**

Toggles the displayed subtitles if available on your selection.

**BACK button**

Allows the user to search in a backward direction.

**UP button**

Moves the selection or cursor up.

**FWD button**

Allows the user to search in a forward direction.

**LEFT button**

Moves the selection or cursor left.

**PLAY / PAUSE button**

Starts playback or starts a feature while a disc is loaded in the disc player or pauses media playback.

**RIGHT button**

Moves the selection or cursor right.

**PREVIOUS button**

Returns to the previous chapter or track.

**DOWN button**

Moves the selection or cursor down.

**NEXT button**

Advances to the next chapter or track.

**STOP button**

Media playback will be halted.

**ENTER button**

Press this button to confirm selection.

**A-B button**

Allows the user to repeat play of a DVD or CD from point A to point B. Press button once to set point A once again to set point B.

**REPEAT button**

Allows the user to repeat play various positions of a DVD, CD or MP3.(Track/Chapter/All)

**SETUP button**

Allows the user to select the DVD player's options. (General, Audio, Video, Preference, Password, Exit Setup)

**DISPLAY button**

Press to display current media information.

**ZOOM button**

Allows the user to zoom in or zoom out the image. Press the "LEFT/RIGHT/UP/DOWN" buttons to pan the zoomed image.

## Rear Seat Entertainment System with Dual DVD Players

### Monitor

#### Monitor operation

Adjust the monitor to a comfortable viewing angle free from glare or bright ambient light.

- Press the **POWER** button on the unit or remote to turn on the monitor.
- Press the **SOURCE** button to select viewing source.
- Press the source buttons to select an AV source from the following 3 options:

DVD mode displays the unit's DVD player

**DVD**

AV1 displays the opposite unit's DVD player or GAME input

**AV1**

GAME displays the AUX input that is currently plugged in

**GAME**  
L O V  
↓

- If there is no video signal input, the following will be displayed.

**NO DISC**

- Press the **PIC MENU** button to activate the On Screen Display (OSD) menu shown on the LCD screen.
- Press the **PIC MENU** button again to select the adjustment item, press the "+" or "-" button to adjust the desired function/value. Each press of the **PIC MENU** button brings up an additional system menu choice. After 10 seconds of inactivity, the on-screen display will return to normal viewing mode.



## Rear Seat Entertainment System with Dual DVD Players

### Monitor

#### PIC MENU Functions

- **BRIGHTNESS** controls the intensity of the backlight.  
**BRIGHTNESS**
- **COLOR** controls the balance of blue, yellow, and red.  
**COLOR**
- **CONTRAST** controls the black level ratio.  
**CONTRAST**
- **TINT** controls the intensity of blue, yellow, and red.  
**TINT**
- **IR POWER** toggles the IR Transmitter for wireless IR Headphones On and Off.  
**IR POWER** **On**  
**IR POWER** **Off**
- **FM MODE** toggles the FM modulator on and off.  
**FM POWER** **DISABLE**
- **FM CHANNEL** selects FM frequency that your source will be broadcast on. See page 11 for information on listening to the RSE system through your vehicle's audio system.  
There are 6 frequencies that are available for users to preset from the full FM band.  
**FM CHANNEL** **88.1**
- The **RESET** selection will return the unit to factory set defaults.  
Press UP to activate this function.  
**RESET**



#### NOTE

Consult with your installer before deactivating this feature.

## Rear Seat Entertainment System with Dual DVD Players

### RSE and the vehicle's audio system

#### Listening to the RSE through the vehicle's audio system

- Use the **PIC MENU** to enable the FM transmitter. Press **◀** or **▶** to switch FM power on or off.

**FM POWER** **On**

- With the FM power on, press **PIC Menu** to select an FM frequency. Press **◀** or **▶** to change frequencies.

**:SELECT** **:ENTER**  
**FM PRESET** **1 88.1 MHz**

- When an FM frequency has been selected, press **PIC MENU** to highlight **SAVE No.** Use **◀** or **▶** to select a number (1-6) in which to store the frequency.

**FM CHANNEL** **88.1**  
**SAVE NO.** **1**  
**SAVE**

- Once the location has been selected, press **▶** to confirm and save the selection.

**FM CHANNEL** **88.1**  
**SAVE NO.** **3**  
**SAVE**

- When this has been done, the **SELECT** menu will be displayed.

To choose a stored frequency, press **◀**.  
Press **▶** to confirm.

**:SELECT** **:ENTER**  
**FM PRESET** **1 88.1 Mhz**

- Tune the vehicle's audio system to the frequency selected.



#### NOTE

Each RSE unit has its own PIC MENU and preset memory. Each unit should be set to a different broadcast frequency so that they do not broadcast to your audio system at the same time. If one of the units is in AV1 mode, the FM broadcast will be controlled by the neighboring unit.



## Rear Seat Entertainment System with Dual DVD Players

### DVD player

#### DVD operation

The DVD player has the ability to play DVD, VCD, Audio CD R/RW, and CD R with downloaded MP3 files. Make sure you read this section completely before using the DVD section.

#### Regional coding

Both the DVD player and DVD disc are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play. This DVD player will only play region 1 (North American) DVD discs.

#### To play a DVD or VCD

- Press the SOURCE button on the remote control or unit until DVD is displayed.
- Insert DVD or VCD disc (Label Up), the disc will automatically load.
- Press the "PLAY" button on the remote to play selected title.

#### NOTE

The On Screen Display will show "WRONG REGION" if the disc region code is not correct.

- Press the "PAUSE" button to pause, press the "PLAY" button to resume play.
- Press the "STOP" button to stop play

#### Adjust the DVD setup menu

##### DVD settings and adjustment

This section describes how to set and how to adjust using the on-screen SETUP menu.

#### Using the Set up menu

Using the setup display, you can do the initial setup, adjust the picture quality, and set the various output. You can also set a language for the on-screen display and the setup display, and limit playback by children.

1. Press the **SETUP** button to display the icons and pages on the display screen.
2. Select the desired page you want by using the **◀** and **▶** buttons to move the cursor.

#### To cancel using the Setup display

Press the **SETUP** button on the remote.



#### Setting the Language for On-Screen Display

Press the **SETUP** button, use the **◀** and **▶** buttons navigating to General Setup Page, then use the **▼** button to select OSD Lang.

#### OSD (On Screen Display) language menu

The OSD Lang sub-menu allows the user to select the language for the on-screen display. Press **▶** and then use the **▼** and **▲** buttons

## Rear Seat Entertainment System with Dual DVD Players



### DVD player

to select the desired language. The user can select either English, French or Spanish for the OSD language.

#### Display settings



Press the **SETUP** button, use the **◀** and **▶** buttons to navigate to General Setup Page, and then the **▼** button to select TV Display sub-menu. The setup allows you to adjust screen setting (aspect ratio). Press **▶** and then use the **▼** and **▲** buttons to select the appropriate setting. The options are as follows.

##### Normal / PS (Pan and Scan)

This displays the wide picture on the screen with a portion of the left & right sides removed.

##### Normal/LB (Letter-Box)

This display the wide picture with black bands on the upper and lower portions of the screen.

#### Wide (16:9)

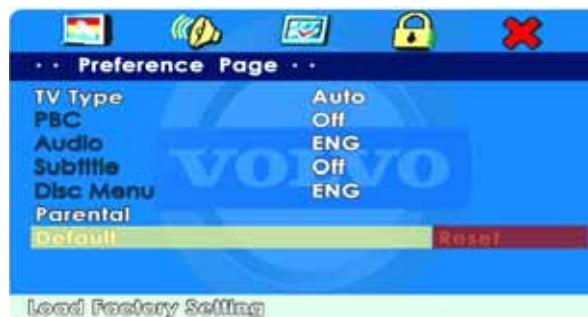
Recommended Setting This option is choose if the LCD panel is of wide screen.

Then press **ENTER** to confirm the screen.

#### TV type settings



NTSC TV



Load Factory Setting



## Rear Seat Entertainment System with Dual DVD Players

### DVD player

Press the **SETUP** button, and use the **◀ ▶** and **▼** buttons going to the TV type sub-menu under preference page. The TV type setup allows DVD loader for outputting the video signal in the either format of NTSC, PAL, or Multi. Press **▶** and then the **▼** and **▲** buttons to navigate the cursor in yellow to the TV type used in your country. Press **ENTER** to carry out. (Multi/AUTO means that the format of video signal comes with the format encoded in the DVD disc that users are watching.)

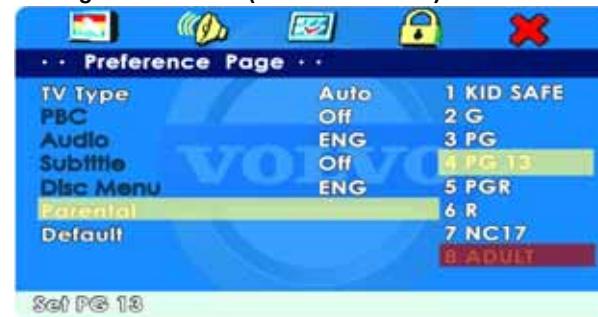
#### Default Settings

Press the **SETUP** button, and use the **◀ ▶** and **▼** buttons going to the Default sub-menu under preference Page. The default setup allows you to reset all options to factory defaults. Press **▶** and then press **ENTER** to carry out the reset.

#### NOTE

This function will not affect the parental setting.

#### Settings for Parental (Parental Control)



The Parental Control system has settings to allow you to block access to movies that are encoded with a movie content rating. The movie rating system is operated by the Motion Picture Association of America.

1. After navigating in the **SETUP MENU** to the parental sub-menu under Preference Page, use **▶** and the **▼** and **▲** buttons to select:  
KID SAFE (Children)  
G  
PG  
PG 13  
PGR R  
NC-17  
ADULT

#### NOTE

The lower the value, the more strict the limitation.

## Rear Seat Entertainment System with Dual DVD Players



### DVD player

2. Press the **ENTER** button to confirm the selection.
3. Input a password in 6 digits using the numeric buttons then press the **ENTER** button.

#### NOTE

The default password is 136900.

#### Setting for Password (Parental Control Password)



Press the **SETUP** button and navigate to Password sub-menu under password Setup Page. The menu appears and allows you to change the parental control password. Press **▶** and then press **ENTER**.

#### OLD PASSWORD

Input the old password or the default password (6 digits)

#### NEW PASSWORD

Input a new password (6 digits) using numeric buttons.

#### CONFIRM PWD

Confirm the new password by entering the same new password again. Then navigate to the **OK** button and press **ENTER** to implement it.



## Rear Seat Entertainment System with Dual DVD Players

### Handling discs

#### How to handle discs

##### How to hold a disc

Do not touch the side of the disc containing information.

##### When there are stains on the disc

Wipe gently with a wet cloth and then with a dry one. When a disc is brought in from a cold environment to a hot one, condensation may form on the face of the disc. Wipe the disc with a soft, smooth, dry cloth before using.



#### CAUTION

Do not write on the labeled side.

- Do not use detergents, phenyl, chemical solutions, dispersing solutions, anti-static electricity solutions, or any other kind of solutions to clean a disc.
- Do not attach labels or glue-based notes on the disk. Do not use discs with any remaining glue or a damaged, sticky labels.
- Do not use scratch-preventing materials or covers unless they are permitted for use in this system.
- Do not place or store the discs in the following environments:
  - Direct sunlight
  - Moist or dusty places
  - Near hot air vents or close to sources of heat.

## Rear Seat Entertainment System with Dual DVD Players

### Troubleshooting

#### Troubleshooting

Problem	Solution
Poor radio reception in the vehicle (FM modulator installed)	<ul style="list-style-type: none"> <li>- Check the condition of the vehicle's radio antenna.</li> <li>- Verify that the antenna is fully raised.</li> <li>- Try change the FM modulator's frequency from the OSD menu.</li> </ul>
IR sensor inoperative	<ul style="list-style-type: none"> <li>- Verify that the batteries in the remote are fresh.</li> <li>- Verify that the remote sensor eye is no obstructed.</li> <li>- Verify that the infrared transmitter is affixed over the sensor eye of the component to be controlled.</li> </ul>
Disc will not 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 into disc tray. This DVD player only plays DVD's, audio CDs and CD with loaded MP3 files.</li> <li>- Both the unit and the disc are coded by region. If the regional coded don't match, the disc can't be played. This DVD player is region Number 1.</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 formed. Allow player to dry out.</li> </ul>
No sound or distorted sound	<ul style="list-style-type: none"> <li>- Make sure your DVD player is connected properly. Make sure all cables are securely inserted into the appropriate jacks.</li> <li>- If you are using the IR headphones, make sure you turn on the IR power.</li> </ul>
Cannot advance through a movie	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.

Problem	Solution
The icon ( ) appears on the screen	<ul style="list-style-type: none"> <li>- The feature or action cannot be completed at this time because:           <ol style="list-style-type: none"> <li>1. The disc's software restricts it.</li> <li>2. The disc's software doesn't support the feature (e.g. angles)</li> <li>3. The feature is not available at the moment</li> <li>4. You've requested a title or chapter number that is out of range.</li> </ol> </li> </ul>
The 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> <li>- Make sure Modulator is ON and the proper frequency has been selected.</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>
The unit stopped	<ul style="list-style-type: none"> <li>- Due to the cooling structure built in for overheating protection, if the machine stops suddenly, please turn it off until it cool down and resume operation.</li> </ul>



## Rear Seat Entertainment System with Dual DVD Players

### Warranty

#### **Volvo Cars of North America Limited Warranty**

**What This Warranty Covers.** Volvo Cars of North America warrants this product against defects in materials and workmanship.

This limited warranty applies only to products manufactured by or for Volvo Cars of North America.

**What This Warranty Does Not Cover.** This warranty does not apply to damage caused by:

(a) accident, abuse, misuse, misapplication, ordinary wear, improper maintenance, failure to follow instructions, or products not manufactured by or for Volvo Cars of North America; and

(b) aftermarket services (including upgrades and expansions).

**How Long This Warranty Lasts.** This warranty lasts for a period of at least one year from the date of original purchase, or for the remaining length of your vehicle's new car warranty, whichever is longer.

**What Volvo Cars of North America will do:** If a defect exists, Volvo Cars of North America will exchange the product, at its option, with a product that is new or has been manufactured from new or serviceable used parts and that is at least functionally equivalent to the original product. Volvo Cars of North America will warrant a replacement product against defects in materials and workmanship for a minimum period of ninety (90) days from the date of replacement, or the remaining length of your new vehicle warranty, whichever is longer.

**How to Obtain Service.** Take your vehicle to your authorized Volvo Retailer.

**How State Law Applies.** This warranty gives you specific legal rights. You may have other rights that vary from state to state or province to province.

**Restrictions on Implied Warranties.** Except for the express warranty above, Volvo disclaims any and all implied warranties, including, without limitation, warranties of merchantability and fitness for a particular purpose. Some states do not allow limitations on implied warranties, so the above limitation may not apply to you.

## Rear Seat Entertainment System with Dual DVD Players

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.□

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.□

The term "IC:" before the radio certification number only signifies that Industry Canada Technical specifications were met.□ Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.□