CONCERTONE™
OPERATING INSTRUCTIONS
DVD STEREO RADIO SYSTEM
WARRANTY

ONE (1) YEAR LIMITED WARRANTY

CONCERTONE warrants to the original retail purchaser of this radio that it or any part therein, under normal use and conditions, be proven defective in material or workmanship within 1 year from the date of original purchase, such defect/s will be repaired or replaced at CONCERTONE'S option without charge for parts and repair labor.

This warranty does not extend to the elimination of externally generated static or noise, to the correction of antenna generated noise or to the cost incurred to correct this noise. The warranty does not cover the removal reinstallation of this radio or damage to any tapes, CD's speakers, accessories, or the vehicles electrical system.

This warranty does not cover the cabinet appearance or apply to the radio or any part of the radio which in the opinion of CONCERTONE, has been damaged through alterations, improper installation, mishandling, misuse, neglect, or accident. THE EXTENT OF CONCERTONE'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE, AND IN NO EVENT, SHALL CONCERTONE'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY THE ORIGINAL BUYER FOR THE RADIO.

This warranty extends only to the original purchaser of the radio and is not transferable.

Some states do not allow limitations on how long an implied warranty last, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights.

To obtain repair or replacement within the terms of this warranty, the radio is to be delivered with proof of purchase with a description of the defect/s, freight prepaid, to the original dealer.

WARNING

RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

The lightning flash and arrowhead within the triangle is a warning sign alerting you of “dangerous voltage” inside the product.

The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.

CAUTION: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

ADVARSEL: USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE FUNKTION UNDGÅ UDSTÆTELSE FOR STRÅLING.

VARO: AVATTAESSA JA SUOJÄLKITUS OHITET-TAESSA OLET ALTINTA NÄKYMÄTTÖMÄLLE LASER-SÄTEILYLEE. ÄLÄ KATSO SÄTEESEEEN!

WARNING: OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRRREN ÄR URKOPPLAD BETRAKTA EJ STRÄLEN!

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

This product contains a low power laser device. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product. Refer any servicing to qualified personnel.

• 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.

• COMPLIES WITH DHHS RULES 21CFR SUB-CHAPTER J APPLICABLE AT DATE OF MANUFACTURE.
The unit can playback.

**Region Management Information**

Region Management Information: This unit is designed and manufactured to respond to the Region Management Information that is encoded on DVD discs. If the Region number printed on the DVD disc does not correspond to the Region number of this unit, this unit cannot play that disc.

The region number of this unit is 1.

**Disc Function or Operation that is Not Available**

When the symbol appears on the screen, it indicates that the function or operation attempted is not available at that time. This occurs because the DVD disc manufacturer determines the specific functions. Certain functions may not be available on some discs. Be sure to read the documentation provided with the DVD.

**Icons Used on DVDs**

Sample Icons

- Language selections for audio
- Language selections for subtitles
- Screen aspect ratio
- Multiple camera angles
- Region code indicator

**Notes:**
- This Unit supports 2-channel (L/R) audio and 5.1ch (Multi-channel) MPEG Audio 1/2 (only when the DIGITAL AUDIO OUT coaxial jack is used for connection). It does not support 7.1 channel MPEG Audio Version 2.0.
- When playing back a CD-G (Graphics) or CD EXTRA disc, the audio portion will be played, but the graphic images will not be shown.

**Title, Chapter and Tracks**

- DVDs are divided into “titles” and “chapters”. If the disc has more than one movie on it, each movie would be a separate “title”. “Chapters” are sections of titles.
- Audio CDs are divided into “tracks”. A “track” is usually one song on an Audio CD.

**Note:**
- Numbers identify each title, chapter, and track on a disc. Most discs have these numbers recorded on them, but some do not.

**Notes on Unauthorized Discs**

You may not be able to play back some DVD discs on this unit if they were purchased from outside your geographic area or made for business purposes.
USING THE REMOTE CONTROL CORRECTLY

- Point the Remote Control at the REMOTE SENSOR located on the unit.
- When there is a strong ambient light source, the performance of the infrared REMOTE SENSOR may be degraded, causing unreliable operation.
- The recommended effective distance for remote operation is about 5 meters (16 feet).

TO INSTALL BATTERIES

1. Open the battery door.

2. Insert two “AA” or UM-3 size batteries and replace the battery door.

BATTERY REPLACEMENT

When batteries become weak, the operating distance of the Remote Control is greatly reduced and you will need to replace the batteries.

NOTE:

- If the Remote Control is not going to be used for a long time, remove the batteries to avoid damage caused by battery leakage corrosion.
- Do not mix old and new batteries. Do not mix ALKALINE, standard (CARBON-ZINC) or rechargeable (NICKEL-CADMIUM) batteries.
- WARNING: Do not dispose of batteries in fire, batteries may explode or leak.
1) **STANDBY** button
   Turn back to standby mode and turn on the unit.

2) **RETURN** button
   Return to the normal operation after using the SETUP menu of a DVD.

3) **Number (0 - 9) and (+10) buttons**
   Use when creating Tuner stations preset programs and select the preset station. Select a CD track directly. To select numbers over 9, press +10 button and then the second no. for example, to enter 18, press +10 and then 8.

4) **5.1/2.1 CHANNELS** button
   Switch speaker output to 5.1 channel mode. (All speakers + subwoofer).
   Switch speaker output to 2.1 channel. (Front left/right A speakers + left/right B speakers + subwoofer).

5) **MEMORY** button
   Enter the number of a selected chapter or track.
   Enter the number of a selected radio station.

6) **DIMMER** button
   Adjust the brightness of the front panel display to the level you prefer.

7) **TV SET UP** button
   Open and close TV Setup menu screen.

8) **PRO LOGIC** button
   In AV IN mode, switches to Dolby Pro Logic mode for VHS tapes encoded with Dolby Pro Logic.

9) **MUTE** button
   Press this button to mute the sound completely.
   Press the button once again to restore the previous sound level, and cancel the mute.

10) **VOLUME (+/-)** buttons
    Adjust the volume.

11) **SETUP** button
    Open and close the SETUP menu screen of a DVD.

12) **CURSOR (▲, ▼, ◀, ▶)** buttons
    Use to highlight selections on a menu screen and make adjust certain settings.
    **ENTER** button
    Confirm selections on a menu screen.

13) **SLOW** button
    Perform slow reverse playback of DVDs.

14) **/** buttons
    : Fast reverse playback.
    : Fast forward playback.
    **TUNING** ( / ) : Scan all available radio stations.

15) **PREV** button
    Move reverse through titles, chapters or tracks on a disc.
    Tune to the presetted stations.

16) **CLEAR** button
    Clear input selections and cancel certain playback functions.

17) **DISPLAY** button
    Change disc status information displayed on the screen.

18) **ANGLE** button
    Switch the camera angle of the video presentation when scenes with multiple camera angles are recorded on a DVD.

19) **SUBTITLE** button
    Select one of the subtitle languages programmed on a DVD.

(Continued on next page)
**CONTROL REFERENCE GUIDE**

**NAMES OF CONTROL - REMOTE CONTROL**

20) **OPEN / CLOSE button**
   Use to open or close the disc door.

21) **FUNCTION button**
   Select the source.

22) **GOTO button**
   Skip directly to a specific location on a DVD disc.

23) **FM MODE button**
   Set FM MODE to FM STEREO for FM stereo sound or to FM MONO for mono sound.

24) **SOUND button**
   Selects sound tone control for adjustment with the cursor buttons.

25) **SLEEP button**
   When the sleep timer is used, the power is automatically turned off after the specified time passes.

26) **TV CH+/- buttons**
   Select the desired channel of TV.

27) **SET button**
   TV Setup menu screen.

28) **MENU button**
   TV Setup menu screen.

29) **SLOW button**
   Perform slow forward playback of DVDs.

30) **STOP button**
   Stop playing a disc.

31) **PLAY button**
   Press to start or resume playback of a disc.

32) **PAUSE button**
   Pause playback, frame advance.

33) **REPEAT A - B button**
   Perform point-to-point repeat playback on a DVD or CD.

34) **TV MODE button**
   In stop mode, select whether to output the video signal. TV shows "AUTO" which means output signal depends on DVD disc (either NTSC or PAL). TV shows "PAL" or "NTSC" which means output signal fixed to PAL or NTSC.

35) **BAND/REPEAT-DISC button**
   Select AM(MW) or FM.
   Repeat chapter or title of a DVD.
   Repeat single track or whole CD.
1. Mounting hole  
2. BASS control knob  
3. POWER indicator  
4. DISPLAY window  
5. PAUSE button  
6. POWER ON/OFF button  
7. FUNCTION (TUNER/TV/AUX/DVD) button  
8. STOP/BAND button  
9. REMOTE SENSOR  
10. A/A+B/B SPEAKER selector switch  
11. TREBLE control knob  
12. CD DOOR OPEN/CLOSE button  
13. PRO LOGIC II indicator  
14. PLAY button  
15. NEXT/CH+ button  
16. TV SETUP/TUNING UP button  
17. PREVIOUS/CH- button  
18. TV SET/TUNING DOWN button  
19. VOLUME controls  
20. DISC door
Display

**STEREO indicator**
Tune into a station. "STEREO" will appear when an FM broadcast is in stereo.

**REPEAT ALL indicator**
Displayed during for repeat playback.

**ANGLE indicator**
Appears when multiple camera angles are recorded in the section of the DVD that is currently playing.

**MEMORY indicator**
Displayed during programmed playback.

**CHAPTER / TRACK indicator**
When a DVD is loaded in the Unit, this indicator appears along with the chapter number. When a Audio CD is loaded in the Unit, this indicator appears along with the track number.

**TOTAL indicator**
Indicates the elapsed playback time of the disc. With some discs, this area also shows the total play time of the disc when playback is stopped.

**DOLBY DIGITAL indicator**
Displays while Dolby Digital sound processing is being performed or when the loaded disc contains Dolby Digital sound.

**DISPLAY INFORMATION**

Display Examples
The displays information shown below on the screen and display depending on the operation status.

<table>
<thead>
<tr>
<th>Screen</th>
<th>Display</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| No Disc | NO DISC | "NO DISC" appears when the tray is closed and:
| Door open | OPEN | 1) There is no disc in the tray.
| Door close | CLOSE | 2) The disc type is not playable in this unit.
| Loading | LOADING | 3) The disc is not loaded correctly (upside-down, etc.)
| Stopped | Stop | The display changes to show other indicators (total time, etc.)
| Playing | Play | |
| Paused | Pause | Freezes the image on the screen or pauses audio playback.
| Fast forward | ➤➤ x 2 | The display changes to show other indicators (total time, etc.)
| Fast reverse | ◀◀ x 2 | |
| Slow | ◀▶ / ◀ x 1/2 | Does not function for Audio CDs.
| Repeat A - B | REP A- - REP A-B A-B | Repeat a specific section.
| Region (Local) Number Error Indicator
If the region (local) number of the disc that you attempt to play differs from the region number of the Unit, "Invalid Region" appears on the screen. (The disc cannot be played).
Turning on the Unit and TV

1. Press the **POWER ON/OFF** button, the POWER indicator will turn off, or
2. Press the ( ) **STANDBY** button on the remote control.
3. Turn on the TV by pressing its **POWER** button.
4. Select the channel on your TV corresponding to the VIDEO IN jack that the Unit is connected.
5. Press the **FUNCTION** button to select the desired function.
   - If you have connected the Unit successfully and the **FUNCTION** select to DVD, the DVD logo (start-up picture) will appear on your TV screen.

Automatic turning off the unit (SLEEP function)

This function allows for selecting the time for automatically turning off the unit. (for a maximum period of 240 minutes).

1. Press the **SLEEP** button on the remote control until the desired for turning off appears on the display (SLEEP 240....210....180....150....120....90....60....30....25....20....15....10....5....OFF ).
2. The unit will automatically turn off once the selected turning off time reaches "0".
ADJUSTING THE SOUND

To adjust the surround sound balance while Dolby Digital and Dolby Pro Logic II decoding is in effect

Use the remote control to make the following changes to speaker balance:

Front Speaker A (left)
- Press the SOUND button repeatedly to display LEFT, then press the ▼ or ▲ CURSOR button to adjust the sound level. It will show on the display of the Unit.

Front Speaker A (right)
- Press the SOUND button repeatedly to display RIGHT, then press the ▼ or ▲ CURSOR button to adjust the sound level. It will show on the display of the Unit.

Center Speaker
- Press the SOUND button repeatedly to display CENTRE, then press the ▼ or ▲ CURSOR button to adjust the sound level. It will show on the display of the Unit.

Rear Speaker A (left)
- Press the SOUND button repeatedly to display REAR L, then press the ▼ or ▲ CURSOR button to adjust the sound level. It will show on the display of the Unit.

Rear Speaker A (right)
- Press the SOUND button repeatedly to display REAR R, then press the ▼ or ▲ CURSOR button to adjust the sound level. It will show on the display of the Unit.

Subwoofer 1 & 2
- Press the SOUND button repeatedly to display WOOFER, then press the ▼ or ▲ CURSOR button to adjust the sound level. It will show on the display of the Unit.

Note:
- If you do not press any button within a few seconds, the display will return to normal.

To adjust the sound quality
Press the SOUND button repeatedly to select an equalization mode (BASS and TREBLE). Press the ▼ or ▲ CURSOR button to adjust the sound level.

BASS: the low range of sounds
TREBLE: the high range of sounds
Bass and treble control the sound from the front left and right speakers.

Dolby Digital
Dolby Digital is a sound system developed by Dolby Laboratories Inc. that gives movie theatre ambience to audio output when the Unit is connected to a Dolby Digital 5.1 channel processor or amplifier.
This Unit automatically recognizes DVDs that have been recorded with Dolby Digital.
Not all Dolby Digital sources are recorded with 6 channels.
Some sources marked Dolby Digital may be recorded in Dolby Surround, a 2 channel system. Look for this logo on your DVD Unit.

Dolby Pro Logic II creates five full-bandwidth output channels from two-channel sources. This is done using an advanced, high-purity matrix surround decoder that extracts the spatial properties of the original recording without adding any new sounds or tonal colorations.

Movie Mode (MOVIE)
The Movie mode in Pro Logic II is very similar to that of the original Pro Logic decoder. The main difference is that it has stereo surround channels and no surround filter, unlike Pro Logic which has a mono surround channel and a 7 kHz surround filter. Movie mode is the standard required for all A/V systems. When an autosound unit has a video screen, it is also considered an A/V system. It can be called simply “Pro Logic II”.

Music Mode (MUSIC)
The Music mode offers users some flexibility to control the end results to their own taste. Music mode should not be used with THX audio processing mode. Music mode is recommended as the standard mode for autosound music systems (without video), and is optional for A/V systems. It is recommended that Music mode be identified as the “Music” version of Pro Logic II, to distinguish it from the Movie mode.

(Continued to next page)
Pro Logic Emulation Mode (EMU)
The Pro Logic emulation mode offers users the same robust surround processing as original Pro Logic, in case the source content is not of optimum quality, or if there is a desire to hear the program more “as it used to be”. When this mode is used, it is called Pro Logic, as before. There is no “Pro Logic I” mode. The Pro Logic emulation mode is optional. Dolby does not require PLII products to use the original Pro Logic decoding algorithm. However, if the DSP contains the original Pro Logic code, and if the product maker would like to use it, this is quite acceptable and even encouraged. A product must not offer both original Pro Logic and the Pro Logic emulation mode.

Matrix Mode (MATRIX)
The Matrix mode is the same as the Music mode except that the directional enhancement logic is turned off. It may be used to enhance mono signals by making them seem “larger”. The Matrix mode may also find use in auto systems, where the fluctuations from poor FM stereo reception can otherwise cause disturbing surround signals from a logic decoder. The ultimate “cure” for poor FM stereo reception may be simply to force the audio to mono.

Manufactured under license from Dolby Laboratories.
‘Dolby’, ‘Pro Logic’ and the double-D symbol are trademarks of Dolby Laboratories.

To select the listening channel
1. When the disc is stopped, you can press the 5.1/2.1 CH button on the remote control to select different speakers output status shown on below table.
2. At AUX IN function mode, you also can press the PRO LOGIC button repeatedly on the remote control to select PRO LOGIC (indicator on the front panel of display will illuminate).

Notes:
• The wording “2.1 CH” will be corresponded to the audio/sound output from Front Left and Front Right speakers plus the Subwoofer.
• 5.1/2.1 CH button is no response to JPG CD-ROM or JPG/MP3 CD-ROM. Please select 5.1/2.1 CH output before putting such CD-ROM.
• Dolby Digital 5.1 CH will not be activated in PRO LOGIC II.

The following table show which speakers are working in the various modes.

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>DISCS</th>
<th>5.1/2.1 CH Button</th>
<th>L/R SPEAKER (SMALL/ LARGE)</th>
<th>SUB-WOOFER ON/OFF</th>
<th>Dolby Pro Logic II Selection</th>
<th>EMU</th>
<th>MATRIX</th>
<th>MUSIC</th>
<th>MOVIE</th>
<th>BY PASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVD MODE</td>
<td>DVD/CD</td>
<td>5.1 CH</td>
<td>SMALL</td>
<td>ON</td>
<td>5.1</td>
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<td>5.1</td>
<td>5.1 or 2.1</td>
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<td>LARGE</td>
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<td>5.1 or 2</td>
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<td>5 or 2</td>
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<td>5.1 CH</td>
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<td>2.1 CH</td>
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<td>TUNER</td>
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<td>AUX IN</td>
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</tr>
</tbody>
</table>

5.1 - Represents FRONT LEFT/RIGHT, REAR LEFT/RIGHT, CENTER speakers and SUBWOOFER
2.1 - Represents FRONT LEFT/RIGHT speakers and SUBWOOFER
5 - Represents FRONT LEFT/RIGHT, REAR LEFT/RIGHT and CENTER speakers
2 - Represents FRONT LEFT/RIGHT speakers
This owner’s manual explains the basic instructions of this DVD Unit. Some DVD discs are produced in a manner that allows specific or limited operation during playback. As such, the DVD Unit may not respond to all operating commands. This is not a defect in the DVD Unit. Refer to the instruction notes of discs.

“[ ]” may appear on the TV screen during operation. A “[ ]” means that the desired operation is not permitted by the DVD Unit or the disc.

Playing a Disc

1. Press the POWER ON/OFF button on the unit or press the STANDBY button on the remote control to turn on the Unit while the Unit is in standby mode, press the FUNCTION button to select DVD mode.

See CUSTOMIZING THE FUNCTION SETTINGS (page 26 to 33) before proceeding to step 2.

2. Press the OPEN / CLOSE button. The disc tray opens.

3. Place the disc on the disc tray with the label side up.

4. Press the OPEN / CLOSE button. The disc tray closes.

   It takes a short while for your Unit to load the disc. After loading, for some discs, the Unit will automatically start playback of the disc.

5. Press the PLAY button.

Notes:

- Use the OPEN / CLOSE button on the front panel to open or close the disc tray. Do not push the disc tray or you may damage the Unit.
- Let the disc tray open completely before removing the disc. Press the OPEN / CLOSE button to close the disc tray after you remove the disc.

Pausing playback (still mode)

Press the PAUSE button. To resume normal playback, press the PLAY button.

Stopping playback

Press the STOP button at the location where you want to interrupt playback. To resume playback at the position where the disc was stopped, press the PLAY button.

If you press the STOP button twice, the Unit’s memory will be cleared and pressing the PLAY button will reset the disc to the beginning.

To skip to a different track

- Press the PREV button on the remote once to skip to the start of the previous track.
- Press the NEXT button on the remote to skip to the next track.
- For audio CD disc, use the number buttons (remote control only) to jump straight to that track number.

(continued on next page)
PLAYING A DISC

Fast Forward/Fast Reverse

1. Press the TUNING or TUNING button when a disc is playing.
   • The disc begins fast scan at x2 speed.
   • Four speeds are available. Each time TUNING or TUNING button is pressed, the speed of fast scan changes in the following sequence:
     ![x2 → x4 → x8 → x20]

2. Press the PLAY button when you reach the desired point to resume playback at normal speed.

Slow-motion play

1. Press the SLOW or SLOW button in the play mode.
   • Two speeds are available. Each time SLOW or SLOW button is pressed, the speed of slow-motion playback changes in the following sequence:
     ![1/2 → 1/4 or 1/2 → 1/4]

2. Press the PLAY button to return to the normal playback speed.

SKIP (Forward / Reverse)

While you are playing a disc, press the NEXT button of the remote to move to the beginning of the next chapter or track. Press the PREV button of the remote to move to the previous chapter or track and automatically start playing it.

Zooming into an image

While a disc is playing, press the ZOOM/TV MODE button.
• While an image is zoomed, you can use ▲, ▼, ◄, and ► button to shift the view and display the part you want.
• To return to the normal view, press the ZOOM/TV MODE button until the “off” symbol shows. The screen will return to normal.

- When you reach the edge of the image, the display will not shift anymore in that direction.

(continued to next page)
PLAYING A DISC

Angle selection

Some DVDs contain scenes which have been shot from a number of different angles. For these discs, the same scene can be viewed from each of these different angles.

1. While you are playing a DVD with different angles recorded, press the ANGLE button to view the number of the current angle.

2. Press the ANGLE button repeatedly to change the scene to the next angle in those recorded.
   - About two seconds later, playback continues from the new angle you selected.
   - If no button is pressed within 10 seconds, playback continues without changing the current angle.

Notes:
- This function can only be used for discs on which scenes shot from multiple angles have been recorded.
- If only one angle is recorded, “1/1” is displayed.

Audio selection

On some discs, the sound is recorded in two or more formats. Follow the directions below to select the type of playback.

1. While a disc is playing, press the AUDIO button to show the current audio format number.

2. Press the AUDIO button repeatedly to select the desired audio format.

Notes:
- If only one audio format is recorded, the number does not change.
- About two seconds later, playback continues in the new audio format.

Subtitle selection

1. While a DVD is playing, press the SUBTITLE button to display the current language setting, as shown in the example below.

2. Press the SUBTITLE button repeatedly to select the desired subtitle language.

Notes:
- If only one language is recorded, the language does not change.
- About two seconds later, playback continues with the new subtitle you selected.
- The number of languages recorded differs depending on the disc.
- If no button is pressed within a few seconds, playback continues without changing the current subtitle.
- This function can only be used for discs on which subtitles have been recorded in multiple languages.
- On some DVDs, subtitles are activated from the main menu of the DVD. Press the MENU button to activate the main menu.
**SPECIAL FUNCTIONS**

**Basic playback**

**DISPLAY function**

Using DISPLAY, you can check and change the current settings of the following items: ANGLE, AUDIO and SUBTITLE.

- While the disc is playing, press the **DISPLAY** button to display the screen shown below.

  **Elapsed time**: Elapsed time from the beginning of the chapter which is currently playing.

  **Remaining time**: Remaining time of the title which is currently playing.

While the disc is playing, press the **DISPLAY** button to display the screen shown below.

- Press the **DISPLAY** button twice to display the screen shown as below.
- Press the **ANGLE**, **AUDIO** and **SUBTITLE** button to change the selected item.

**Title skip**

- The number of the title currently playing and total titles of disc.
- Press the **GOTO** button to set your desired title, then press the **ENTER** button to confirm.

**Chapter skip**

- The number of the chapter currently playing and total chapters of the currently played title.
- Press the **GOTO** button to set your desired chapter, then press the **ENTER** button to confirm.

**Time skip**

- Elapsed time from the beginning of the currently playing chapter and the remaining time from the beginning of the currently playing title.
- Press the **GOTO** button to set your desired point to start playback, then press the **ENTER** button to confirm.

**Angle setting**

- The current angle is displayed. When a disc with only one angle is played back, “Angle 1/1” is displayed.
- Press the **ANGLE** button to select the desired angle.

**Audio setting**

- The type of audio currently selected is displayed.
- Press the **AUDIO** button to select your desired type of audio.

**Subtitle setting**

- The subtitle number and language currently selected is displayed. When a disc with only one subtitle is played back, “1/1 Eng” is displayed.
- Press the **SUBTITLE** button to select your desired language.

**GOTO function**

This function allows you to skip directly to any part of the disc while a disc is playing.

**Note:**

- After settings, press the **DISPLAY** button again to return to the normal screen.
Basic playback

SPECIAL FUNCTIONS

Locating a specific title

If a DVD disc contains title numbers, you can locate a specific title by directly selecting a title number.

1. In stop mode, press the **GOTO** button.
2. Press ▼, ◀ or ► button to highlight a specific field and press the corresponding number button(s) for the title you want.
3. Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.

Note:
- Pressing the **CLEAR** button resets the title number.

Locating a specific title / chapter / track

If you know the title / chapter / track number you want to play, you can locate a specific title / chapter / track by directly selecting a title / chapter / track number.

1. Press the **GOTO** button to search your desired title / chapter / track.
2. Press ▼, ◀ or ► button to highlight a title / chapter / track and press the corresponding number button(s) for the chapter you want.
3. Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.

Note:
- Pressing the **CLEAR** button resets the title / chapter / track number.

(continued to next page)
SPECIAL FUNCTIONS

Locating a specific time

You can move to a specific location by entering its corresponding time (hours, minutes, seconds).

1. Press the GOTO button.
2. Press ▲ or ▼ button to highlight time.
3. Press the corresponding number buttons for the setting point you want.
   - The first two numbers you entered represent hours.
   - The second two numbers you entered represent minutes.
   - The third two numbers you entered represent seconds.
4. Press the ENTER button to confirm. The Unit will start playback about 3 seconds later.

Notes:
- Some discs may not respond to this process.
- Some scenes may not be located as precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD disc.
- You can move through the menu by pressing the ▲ and ▼ buttons.
- Pressing the CLEAR button resets the time.

Angle setting

1. Press the DISPLAY button twice. The FUNCTION menu is displayed on the screen and you can see how many angles are recorded on the disc.
2. Press the ANGLE button repeatedly to select your desired angle.
3. The Unit will change to your desired angle about 3 seconds later.

Audio setting

1. Press the DISPLAY button twice. The FUNCTION menu is displayed on the screen and you can see how many audio formats are recorded on the disc.
2. Press the AUDIO button repeatedly to select your desired type of audio.
3. The Unit will change to your desired type audio about 3 seconds later.

Subtitle setting

1. Press the DISPLAY button twice. The FUNCTION menu is displayed on the screen and you can see how many subtitle formats are recorded on the disc.
2. Press the SUBTITLE button repeatedly to select your desired language.
3. The Unit will change to your desired language about 3 seconds later.
Programmable memory

The two types of programmed playback provided by this Unit are title programmed playback and chapter programmed playback.

**Title / Chapter programmed playback**
1. Press the MEMORY button while the disc is stopped.
2. Enter the title numbers in ▼. Use ◄ or ► button to move the highlight to chapter and enter the chapter numbers in ▼.
3. Use ◄, ►, ▲ or ▼ button to move to the other field.
4. Repeat steps 2 to 3.
5. Press the ► PLAY button to start the programmed playback.

**Notes:**
- If you press the ■ STOP button twice time, the programmed selections will be cleared.
- If you press the CLEAR button while you are entering a title or chapter, the currently entered numbers will be erased and you can reset the numbers again.

**Programmable memory**

**Track programmed playback**
1. Press the MEMORY button while the disc is stopped.
2. Enter the track numbers in ▼-▼.
3. Use ◄, ►, ▲ or ▼ button to move to the other field.
4. Repeat steps 2 to 3.
5. Press the ► PLAY button to start the programmed playback.

**Notes:**
- If you press the CLEAR button while you are entering a track, the currently entered numbers are erased and you can reset the numbers again.
- When the unit is playing at program memory mode, the “MEMORY” will display on display window.
You can play a specific title or chapter repeatedly. (Title repeat, chapter repeat, A-B repeat)

**Repeating a title**

You can play the same title repeatedly.

1. While the disc is playing, press the REPEAT DISC button until the “Repeat Title” indicator displays on the screen. The current title is played repeatedly.

**Repeating a chapter**

You can play the same chapter repeatedly.

2. While the disc is playing, press the REPEAT DISC button until the “Repeat Chapter” indicator displays on the screen. The current chapter is played repeatedly.

**To resume normal playback**

3. While the disc is playing, press the REPEAT DISC button until the “Off” indicator displays on the screen.

You can play a single track and whole disc repeatedly.

**Repeating a single track**

You can play the same track repeatedly.

1. While the disc is playing, press the REPEAT DISC button until the “Repeat Single” indicator displays on the screen. The current track is played repeatedly.

**Repeating a whole disc**

2. While the disc is playing, press the REPEAT DISC button until the “Repeat All” indicator displays on the screen. The whole disc is played repeatedly.

**To resume normal playback**

3. Press the REPEAT DISC button until the “Off” indicator displays on the screen.

**Repeating a specific section**

You can play a specific section repeatedly.

1. While the disc is playing, press the REPEAT A-B button at the beginning of the section (Rep A-B) is displayed you want to play repeatedly.
2. Press the REPEAT A-B button again at the end of the section (Rep A - B) is displayed.
3. The Unit will immediately begin replaying your selection.

**To resume normal playback**

4. While the disc is playing, press the REPEAT A-B button until the “Off” indicator displays on the screen.

Notes:

- A-B repeat can only be used within the same title. If the start and end of the section to be repeated are in different titles, A-B repeat is cancelled.
- The A-B repeat function does not operate in scenes where different camera angles are recorded.
PLAYING MP3 AND PICTURE FILE DISC

This Unit will play MP3 and Picture files recorded on CD-R discs.

Playing a MP3 file disc
1. Press the ▲ OPEN /CLOSE button, the disc tray opens.
2. Insert a MP3 file disc on the disc tray with the label side up.
3. Press the ▲ OPEN/CLOSE button, the disc tray closes.
4. The Unit will take a short while to load the disc and automatically begin playback.

To pause playback
• Press the ■ PAUSE button. To resume playback again, press the ► PLAY button.

To stop playback
• Press the ■ STOP button.

To skip to the next or previous file
• Press the ►► I NEXT button on the remote control briefly while playing, to skip ahead to the beginning of the next file. Each time you press the button consecutively, the beginning of the next file is located and played back.
• Press the ◀ ▼ PREV (Previous) button on the remote control briefly while playing, to skip back to the beginning of the previous file. Each time you press the button consecutively, the beginning of the previous files is located and played back.
• You also can press the GOTO button, set the track number you want and then press the ENTER button.

Note:
• You can not play in Fast reverse or Fast forward during MP3 playback.

On-screen display
Turn on your TV to view the on-screen display of MP3 files.
• Press the ▲, ▼, ◀ or ► CURSOR button on the remote control to select the file you want to listen to, then press ENTER button and this selected file is located and played back.

Notes:
The ability of this Unit to read MP3 discs is dependent on the following:
• The Bit Rate must be within 64 - 256 kbps.
• The total number of files on the disc should not exceed 254.
• The maximum number of directories should not exceed 32.
• The maximum depth level of directories should not exceed 4.
• File names should be named using 12 or fewer letters and/or numbers, and must incorporate the “MP3” file extension. EXAMPLE: ********.MP3 where each * is a letter or number.
• Use only letters and / or numbers in file names. If you use special characters, the file and/or folder names may not be displayed correctly on the on-screen display.
• When recording on CD-R discs, use 74-minute (650MB) discs.
• The CD-R discs should be “finalized” in computer by “single session format”.
• See your CD/MP3 creation software for details.
Playing a Picture file disc

1. Press the ▲ OPEN /CLOSE button, the disc tray opens.
2. Insert a Picture CD on the disc tray with the label side up.
3. Press the ▲ OPEN/CLOSE button, the disc tray closes.
4. The unit will take a short while to load the disc.
5. Press the ► PLAY button. The next picture will automatically display after 6 seconds.

Notes:
- If you press the MENU button on the remote control in full-screen review, the Unit will display a menu of 9 thumbnail images.
- Use the CURSOR to highlight the ►►NEXT or ◀-prev in thumbnail screen and then press the ENTER button to review other images. If you want to review one image in full-screen, you can use the CURSOR ▲, ▼, ◀ or ► button to highlight the image and then press the ENTER button to confirm. The image you selected will show on TV in Full-Screen and automatically display one by one again in about 6 seconds intervals.
- You can press the PAUSE button to interrupt playback, and press the ►► PLAY button to resume playback.
- You also can use GOTO function or use the numbered buttons to enter the number to quickly select any image.
- You can press the ZOOM button to enlarge the picture in 3 levels.
- Press the ANGLE button on the remote control to rotate the picture orientation by 90°.

Playing a MP3/Picture file disc

1. Press the ▲ OPEN /CLOSE button, the disc tray opens.
2. Insert a MP3 files/Picture CD on the disc tray with the label side up.
3. Press the ▲ OPEN/CLOSE button, the disc tray closes.
4. The unit will take a short while to load the disc.
5. Use ▲, ▼, ◀ or ► button to select MP3 or Picture CD, then press the ENTER button.

Note:
- The SETUP button does not work during MP3 or Picture Disc playback or stop.
Tuning into a station manually

1. Press the FUNCTION button until the frequency band appears on the display.
2. Press the BAND button to select the desired band.
3. Press the TUNING button to tune in the desired station.

FM Stereo

- Press the FM MODE button on the remote until "STEREO" appears on the display.

Weak FM stations

- Press the FM MODE button on the remote until the "MONO" word appears on the display. Background noise will be reduced but the signal reproduced will be mono. To restore stereo reception, press the FM MODE button on the remote to select STEREO.
- Pull out the telescopic FM antenna. Adjust its position to obtain the best reception possible.

To search for a station automatically

- Hold down the TUNING buttons for 1 to 2 seconds, and a station is searched for automatically. After tuning in a station, the search stops.
- The search may not stop at a station with a very weak signal.

Presetting stations

You can tune into a stored station directly by entering the preset number.

- 20 stations on FM band can be preset.
- 20 stations on AM band can be preset.

1. Press the FUNCTION button until the frequency band appears on the display.
2. Press the BAND button on the remote to select the desired band.
3. Use the TUNING button to find your desired station.
4. Press the MEMORY button on the remote.
5. Press the NEXT or PREV button to select the preset number and press the MEMORY button on the remote to store the station.
6. Repeat steps 2-5 to store other stations.

Tuning into a preset station

1. Press the FUNCTION button until the frequency band appears on the display.
2. Press the BAND button to select the desired band.
3. Press the PLAY button and NEXT or PREV button on the remote to select the presetted station or use the numbered buttons to enter the number to select the presetted station.

Example: To select preset number 15, press the +10 and 5 buttons.
To select preset number 10, press the +10 and 0 buttons.
• Connecting a antenna or CATV cable to the TV RF IN terminal before TV SETUP.

• Use the remote control to access and adjust features as desired.

1. Press the FUNCTION button until TV appears on the display.
2. Press the TV SETUP button to open the TV SETUP menu.
3. Press the TV CH+ or TV CH- button to select the menu option, then press the SET button to enter the sub-menu.
4. Press the TV CH+ or TV CH- button to select the sub-menu option, then press the SET button to confirm.
5. Press the TV CH+ or TV CH- button to select YES or NO, then press the SET button to confirm.
6. Select Exit and press SET button to close the TV SETUP menu.

NTSC CATV or NTSC AIR setting
Add channel : Add the TV channel
Delete channel : Delete the TV channel
Auto scan : Automatically tunes in and presets receivable TV stations
Add all channel : Add all TV channel
Delete all channel : Delete all TV channel
Exit : To exit the TV SETUP menu

Automatically Preset the TV Stations
• All the TV stations in your area that can be received by the unit are automatically preset.

1. Press the TV SETUP button to open the TV SETUP menu.
2. Press the TV CH+ or TV CH- button to select NTSC CATV or NTSC AIR, then press the SET button to enter the sub-menu.
3. Press the TV CH+ or TV CH- button to select AUTO SCAN, then press the SET button to confirm.

Notes:
• Unused channels are automatically skipped.
• The screen show the first received channel when full auto channel preset is finished.

NOTE:
UHF/VHF WAVEBAND
This unit will search the VHF waveband before the UHF waveband. Therefore if you do not live in any area where VHF television signals are transmitted, it may take a little time before any stations are registered. Please note that up to 8 minutes may elapse before the search is completed.

(continued to next page)
**TV SETUP**

**Add TV Channel or Delete TV Channel**
1. Press number button on the remote control, you want to add or delete channel.
2. Press the TV SETUP button to open the TV SETUP menu.
3. Press the TV CH+ or TV CH- button to select NTSC CATV or NTSC AIR, then press the SET button to enter the sub-menu.
4. Press the TV CH+ or TV CH- button to select ADD CH or DELETE CH, then press the SET button to confirm.
5. For DELETE CH, press the TV CH+ or TV CH- button to select YES or NO, then press the SET button to confirm.

**Add all TV Channel or Delete all TV Channel**
1. Press the TV SETUP button to open the TV SETUP menu.
2. Press the TV CH+ or TV CH- button to select NTSC CATV or NTSC AIR, then press the SET button to enter the sub-menu.
3. Press the TV CH+ or TV CH- button to select ADD ALL CH or DEL ALL CH, then press the SET button to confirm.
4. For DELETE CH, press the TV CH+ or TV CH- button to select YES or NO, then press the SET button to confirm.

**Watching a television**
- *You can view a television station after TV setup.*
1. Press the FUNCTION button until TV appears on the display.
2. Press the TV CH+ or TV CH- button to select channel.
   or
   Press the numbered buttons of the remote to select channel.
   For example: for channel 3, press 3
   for channel 25, press 2 then 5.
- When a channel is selected the channel number is displayed in the top right corner of the screen.
CUSTOMIZING THE FUNCTION SETTINGS

LANGUAGE setting
1. Press the FUNCTION button until DVD appears on the display.
2. Press the STOP button so that no disc is playing.
3. Press the SETUP button.
4. Use ◀ or ▶ button to select the Language, then press the ENTER button.
5. Use ▲ or ▼ button to English, then press the ENTER button. The screen will change to English Wordings immediately.
6. To exit the FUNCTION SETUP MENU and return to the normal screen, press the RETURN button.

VIDEO setting
TV Shape
1. Press the SETUP button.
2. Use ◀ or ▶ button to select Video, then press the ENTER button.
3. Use ▲ or ▼ button to select TV Shape, then press the ENTER button.
4. Use ▲ or ▼ button to shift and select the TV type, then press the ENTER button.
5. To exit the FUNCTION SETUP MENU and return to the normal screen, press the RETURN button.
CUSTOMIZING THE FUNCTION SETTINGS

Notes:
• The displayable picture size is preset on the DVD disc. Therefore the playback picture of some DVD discs may not conform to the picture size you select.
• When you play DVD discs recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture size regardless of the TV shape setting.

4:3 Pan Scan
• When wide-screen video material is played, this mode clips the right and left sides of the image so that it can be viewed on a conventional screen.
• Some wide-screen DVDs that do not permit Pan Scan mode playback are automatically played in letterbox mode (black bands top and bottom).

4:3 Letter Box
• When wide-screen video material is played in this mode on a conventional screen, black bands appear at the top and bottom of the screen.

16:9 Wide-screen
• This is the correct mode for playing wide-screen videos on a wide-screen.

Video Output
1. Press the SETUP button.
2. Use ◄ or ► button to select Video, then press the ENTER button.
3. Use ▲ or ▼ button to select Video Output, then press the ENTER button.
4. Use ▲ or ▼ button to shift and select the signal, then press the ENTER button.
5. To exit the FUNCTION SETUP MENU and return to the normal screen, press the RETURN button.

<table>
<thead>
<tr>
<th>Language</th>
<th>Video</th>
<th>Audio</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV Shape</td>
<td>Video Output</td>
<td>Brightness</td>
<td>Off</td>
</tr>
<tr>
<td>4:3 Letter box</td>
<td>CVBS</td>
<td>Off</td>
<td></td>
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<tr>
<td>TV Shape</td>
<td>Video Output</td>
<td>Brightness</td>
<td>Off</td>
</tr>
<tr>
<td>4:3 Letter box</td>
<td>CVBS</td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>TV Shape</td>
<td>Video Output</td>
<td>Brightness</td>
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</tr>
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<td>CVBS</td>
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</tr>
<tr>
<td>RGB</td>
<td>YUV</td>
<td>Off</td>
<td></td>
</tr>
</tbody>
</table>

YUV: Corresponding to your TV which has a YUV input.
RGB: ONLY useful for use in Europe, and should not be selected.

Attention:
Always set Video Output in CVBS, otherwise, the picture on the TV may be distorted. If this occurs, and you cannot see the screen, follow these instructions:
1. Change FUNCTION to DVD mode.
2. Open the DVD door.
3. Press the SETUP, ►, ENTER, ▼, ENTER, ▲, ENTER & RETURN buttons.

(continued to next page)
CUSTOMIZING THE FUNCTION SETTINGS

Brightness

1. Press the SETUP button.
2. Use ◀ or ► button to select Video, then press the ENTER button.
3. Use ▲ or ▼ button to select Brightness, and then press the ENTER button.
4. Use ▲ or ▼ button to shift and select the Off/On, then press the ENTER button.
5. If you want to exit the SETUP MENU and return to the normal screen, press the RETURN button.

On : Picture will be brighter to clarify details.
Off : Picture will have deepened colors.

Edges

1. Press the SETUP button.
2. Use ◀ or ► button to select Video, then press the ENTER button.
3. Use ▲ or ▼ button to select Edges, and then press the ENTER button.
4. Use ▲ or ▼ button to shift and select the Sharpen / Soften / Off, then press the ENTER button.
5. If you want to exit the SETUP MENU and return to the normal screen, press the RETURN button.

Sharpen : Fine detail will be easier to see.
Soften : Soft-focus effect.
Off : Picture will be returned to normal.

(continued to next page)
CUSTOMIZING THE FUNCTION SETTINGS

AUDIO setting

Digital Out
1. Press the SETUP button.
2. Use ◄ or ► button to select Audio, press the ENTER button.
3. Press the ENTER button repeatedly to select Digital Out type.
4. To exit the FUNCTION SETUP MENU and return to the normal screen, press the RETURN button.

Raw: Does not have a Dolby Digital Decode.
PCM: Do have a Dolby Digital Decode.

RATING setting

Factory Set
If you want to return the initial language setting to the factory default, do the following:
1. Press the SETUP button.
2. Use ◄ or ► button to select the Rating, then press the ENTER button.
3. Use ▲ or ▼ button to shift and select the Factory Set, then press the ENTER button.
4. Use ▲ or ▼ button to shift and select Yes, then press the ENTER button.
5. To exit the FUNCTION SETUP MENU and return to the normal screen, press the RETURN button.

Note:
When you reset the Unit to the factory default, the Unit will take 3-5 seconds to reset.
CUSTOMIZING THE FUNCTION SETTINGS

Password/Parental lock

DVD discs equipped with the password function are rated according to their content. The contents allowed by a parental lock level and the way a DVD disc can be controlled may vary from disc to disc. For example, if the disc allowed, you could edit out violent scenes unsuitable for children and replace them with more suitable scenes, or you could lock out playback of the disc altogether.

1. Press the SETUP button.
2. Use ◀ or ▶ button to select Rating, press the ENTER button.
3. Use ▲ or ▼ button to select parental lock and then press the ENTER button repeatedly to set the parental lock level.
4. Use ▲ or ▼ button to shift and select Password, enter your 4-digit security code and then press the ENTER button.

If you make a mistake before pressing the ENTER button, press the CLEAR button and enter your 4-digit security code again.

You cannot play DVD discs rated higher than the level you selected unless you cancel the parental lock function.

The parental lock level is equivalent to the following ratings.

<table>
<thead>
<tr>
<th>Level 1 : Kid Safe</th>
<th>Level 2 : G</th>
<th>Level 3 : PG</th>
<th>Level 4 : PG_13</th>
<th>Level 5 : PG_R</th>
<th>Level 6 : R</th>
<th>Level 7 : NC_17</th>
<th>Level 8 : Adult</th>
</tr>
</thead>
</table>

5. To exit the FUNCTION SETUP MENU and return to the normal screen, press the RETURN button.

- Indicates Parental lock is NOT active.
- The Parental lock is active.

If you forget the password, you can erase your current password by pressing number button 8 on the remote four times, then press the ENTER button to confirm the setting.

PASSWORD : 8 8 8 8
<table>
<thead>
<tr>
<th>Code</th>
<th>Language Name</th>
<th>Code</th>
<th>Language Name</th>
<th>Code</th>
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<td>MG</td>
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CLEAN DISC
If the DISC skips or will not play, the disc may need cleaning. Before playing, wipe the disc from the centre out with a cleaning cloth. After playing, store the disc in its case.

CLEANING THE UNIT
Do not use volatile chemicals on the unit. Clean by lightly wiping with a soft cloth.

IMPORTANT NOTICE:
• If an abnormal display indication or an operating problem occurs, turn off power. Wait at least 5 seconds, then turn on power.
• Before transporting the unit, remove the disc from the CD tray.
## TUNER SECTION
- Frequency range: FM 87.5 - 108 MHz
- AM 530 - 1,710 kHz (USA and Canada)
- Antenna: External 75 ohm automotive type antenna

## AMPLIFIER SECTION
- Power output 10% T.H.D.
  - (A) 20W x 2 (Subwoofer) + 10W x 4
  - (B) 10W x 2
- Power requirements: 10/16 Volts DC

## COMPACT DISC PLAYER SECTION
- Frequency Response: 40 - 20,000 Hz
- Signal to noise ratio: 60 dB
- Dynamic Range: 70 dB
- Total harmonic Distortion: 0.5% (Normal) T.H.D.
- Separation: 40 dB (at 1 kHz)

## GENERAL (Tuner/CD Player)
- Installation size: Approx: 8-1/4” (W) x 6-1/2” (D) x 10-3/4" (H) (Inch)
- Weight: Approx: 6.3 Lbs.

Specifications and external appearance are subject to change without advance notice due to continuous product improvement.
SYSTEM CONNECTIONS

CONNECTION DIAGRAM
Make correct connections as illustrated in the connection diagram.

1. From TV Antenna
2. From Radio Antenna
3. From B Video Out
4. From A Video Out
5. From Other AUX input
6. From Remote input

SPEAKER CONNECTIONS
Be sure to connect stripe to stripe (-) and plain to plain (+) when hooking up speaker wires. This is to prevent any ‘phasing’ problems.

Notes:
- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, speaker may be damaged.
- DO NOT connect speakers in parallel.
- DO NOT connect the terminals of speaker system to the vehicle chassis.

Caution:
Never ground or use the speaker wires in common with any other wire. When replacing the fuse, be sure to use 15 Amp ATC fuse. Use of a fuse of higher amperage may cause serious damage to the unit.