LINEAR SERIES

Operation and Installation Manual

LS6050DVD AM/FM/CD/DVD MULTI-MEDIA RECEIVER

EJECT

POWER

DIM

MODE

DISP

ST

FM

106.7

MHz

STEREO

ALARM

MUTE

1 BAND
2 EQ/LOUD
3 AS/PS

4 REPEAT
5 INTRO
6 RANDOM

MAIN SPEAKERS
A A+B B

MULTI-MEDIA INPUT
AUDIO A/V

VOLUME

SELECT PUSH

SEEK

SCAN

MAIN OFF AUX OFF ALL ON

SLEEP

ALARM

SPEAKER CONTROL

SATELLITE RADIO INPUT

RESET
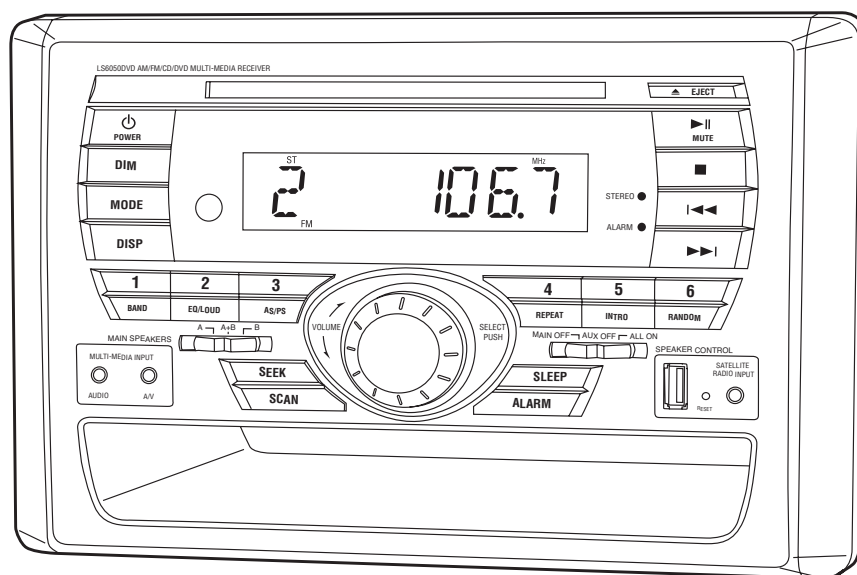
LS6050DVD
AM / FM / WB Stereo Receiver with CD / DVD Player
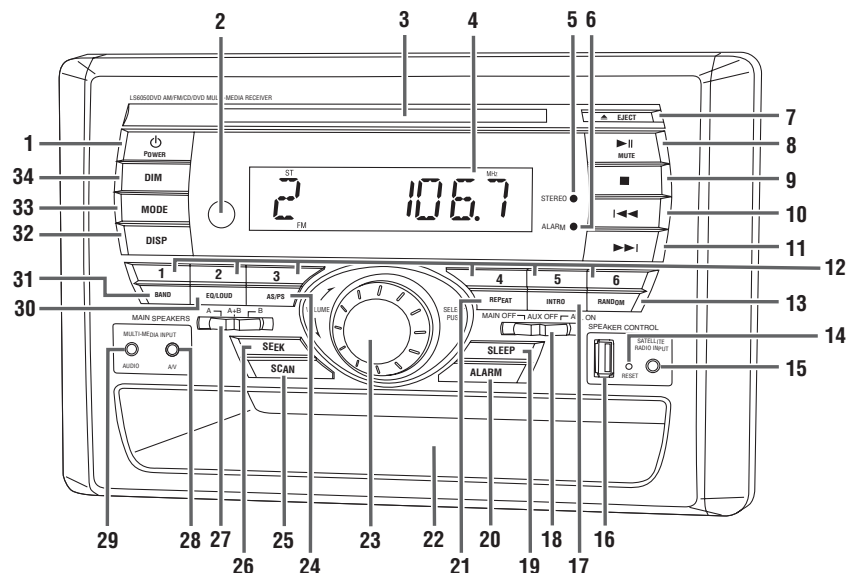
U.S. PATENT NO.: D561754

Introduction

Please take the time to read all of the information in this manual. Familiarity with operation and installation procedures will help you obtain the best possible performance from your new AM/FM/WB Stereo Receiver with CD/DVD Player.

WARNING! To prevent fire or electrical shock hazard, do not expose this product to moisture, or remove cover or bottom screws. No user-serviceable parts inside. Refer servicing to qualified personnel.

## Index

Button Locations and Functions

1. **Power On/Off:** Press to turn the unit on or off.

2. **Infrared Eye:** Receives the signals from the remote control.

3. **CD/DVD Slot:** To play a CD/DVD, insert the disc into slot with label facing up.

4. **Display Area:** This area displays all function information for the radio, clock and CD/DVD player.

5. **FM Stereo Indication LED:** FM stereo reception is indicated when the LED is on.

6. **Alarm Timer LED:** The alarm timer has been activated when the LED is on.

7. **Eject Button:** Press to eject a CD/DVD disc.

8. **Play/Pause and Mute Button:**
   Radio and AV/Satellite Input Modes: Press to mute volume level. Press again to restore.
   CD/DVD Mode: Press to pause disc play, press again to resume play.

9. **Stop Button:** Press to stop play of picture or audio.

10. **Previous Button:**
    Radio Mode: Press to tune the radio to a lower frequency.
    CD/DVD Mode: Press this button to search for the beginning of the previous track or chapter.

11. **Next Button:**
    Radio Mode: Press to tune the radio to a higher frequency.
    CD/DVD Mode: Press this button to search for the beginning of the next track or chapter.

12. **Radio Station Recall Buttons (1-6):** Press and release when recalling preset radio stations. Press and hold until the display starts flashing to memorize a radio station.

13. **Random:** Press to play all the tracks on the CD in random order. Press again to cancel.

14. **Reset Button:** Press to reset the unit to it's default settings.

15. **Satellite Radio Audio Input:** Press the MODE button (33) until "SAT IN" appears in the display, then plug in any Sirius or XM satellite receiver via the 3.5mm audio input plug.
    Note: This unit does not control the satellite receiver, it just allows the audio to be played through the system.

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Button Locations and Functions (Continued)

16. **USB Input:** Press the **MODE** button (33) until "DISC" appears in the display. Then plug in your USB device. "USB" will then appears in the display.
Note: The LS6050DVD will control the USB audio device. (See "USB Input" for more details).

17. **CD Intro Button:** Press to preview each track on the CD for 6 seconds. Press again to cancel.

18. **Speaker Control Switch:** Switches the main speakers off/auxiliary speakers on, main speakers on/auxiliary speakers off or main/auxiliary speakers on.

19. **Sleep Button:** Sets the sleep timer. (See "Sleep Timer Operation" for more details).

20. **Alarm Button:** Sets the alarm. (See "Alarm Operation" for more details).

21. **Repeat Button:** Press to repeat a CD track or to repeat a DVD title or chapter. Press again to cancel.

22. **Storage Tray.**

23. **Volume and Select Button:** Rotate to increase or decrease the volume level. Press to select the sound controls: Bass, Treble and Balance.

24. **Radio AS.PS Button:** Automatic radio station memory storing (AS) and Preset radio station scanning (PS). (See "AM/FM and Weather Band Operation" for more details).

25. **Radio Scan Button:** Press this button and the tuner will scan up, pausing for 5 seconds at each strong station. Press the button again to cancel the scan function.

26. **Radio Seek Button:** Press this button and the tuner will scan up to the next strong station and stop.

27. **Main Speakers A, B and A+B Selector Switch:** Selects the different sets of speakers installed.

28. **Audio/Video Input Jack:** Press the **MODE** button (33) until "AV IN F" appears in the display then plug in a device via the 3.5mm audio/video input plug.
Note: The LS6050DVD does not control the device, it just allows the audio/video to be played through the system.

29. **Audio Input Jack:** Press the **MODE** button (33) until "AUDIO IN" appears in the display then plug in device via the 3.5mm audio input plug.
Note: The LS6050DVD does not control the device, it just allows the audio to be played through the system.

30. **EQ/LOUD Button** (Equalizer and Loudness)**:** Press to select between the preset sound equalization settings. Press and hold the button to boost high and low tones at low volume levels (loudness).

31. **AM/FM and Weather Band Selector Button:** Press to select the desired radio band: FM1, FM2, FM3, AM1, AM2 and W-BAND (Weather Band).

32. **DISP Button** (Display)**:** Press to display the clock or frequency in radio mode or track in CD mode and chapter and elapse time in DVD mode. Press and hold to perform clock setting functions (See "Setting the Clock" for more details).

33. **Mode Button:** Press to choose between AV IN F (Audio/Video in Front), AV IN R (Audio/Video in Rear), AUDIO IN (Audio in Front), SAT IN (Satellite Radio Input), DISC (CD and DVD) and RADIO (AM, FM and Weather Band).

34. **DIM Button** (Display Dimmer)**:** Press to select the desired level of brightness of the display.

Remote Control Button Locations and Functions
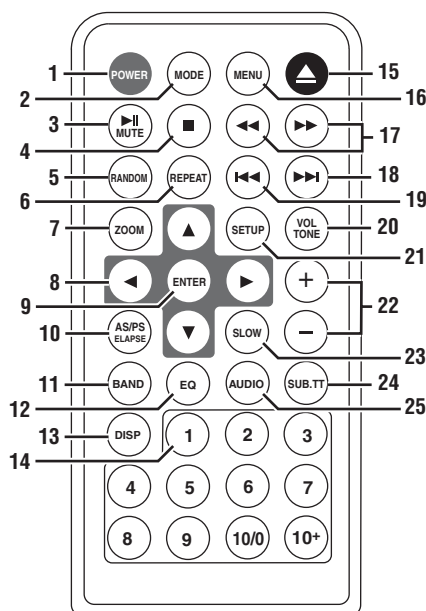
1. Power On/Off Button: Press to turn the unit on or off.

2. Mode Button: Press to choose between Audio/Video In, Front (AV IN F), Audio/Video In, Rear (AV IN R), Audio In Front (AUDIO IN), Satellite Radio Input (SAT IN), CD/DVD/USB (DISC) and AM/FM/Weather Band Radio (RADIO)

3. Play/Pause and Mute Button:
Radio and AV/Satellite Input Modes: Press to mute volume level. Press again to restore.
CD/DVD Mode: Press to pause disc play, press again to resume play.

4. Stop Button: Press to stop play of picture or audio.

5. Random: Press to play all the tracks on the CD in random order. Press again to cancel.

6. Repeat: Press to repeat a CD track or to repeat a DVD title or chapter. Press again to cancel.

7. Zoom: Press to enlarge the DVD's onscreen image.

8. Navigation: In the DVD menu mode, these buttons serve as cursor buttons to select item left/right, up/down.

9. Enter: Executes the selected item.

10. AS/PS Button: Automatic radio station memory storing (AS) and Preset radio station scanning (PS). See "AM/FM and Weather Band Operation" for more details. In CD and DVD modes press to display running times.

11. AM/FM and Weather Band Selector Button: Press to select the desired radio band: FM1, FM2, FM3, AM1, AM2 and W-BAND.

12. EQ Button (Equalizer)**:** Press to select between the preset sound equalization settings.

13. DISP Button (Display): Press to display the frequency in radio mode or track in CD mode and chapter and elapse time in DVD mode. Press and hold to perform clock setting functions (See "Setting the Clock" for more details).

14. Numeric Buttons

15. Eject Button: Press to eject a CD/DVD disc.

16. Menu Button: Press to display the root menu that is stored on the DVD disc.

17. Fast Forward/Fast Reverse Disc Play Buttons: Press the ►► button to fast forward disc play or press the ◄◄ button to fast reverse disc play. Each time the button is pressed, the speed changes. To resume normal play, press the ►|| (Play) button.

18. Previous Button:
Radio Mode: Press to tune to a lower radio station frequency.
CD/DVD Mode: Press this button to search for the beginning of the previous track or chapter.

19. Next Button:
Radio Mode: Press to tune to a higher radio station frequency.
CD/DVD Mode: Press this button to search for the beginning of the next track or chapter.

20. Volume/Tone Button: Press to select the different sound controls: Volume, Bass, Treble and Balance.

21. Setup Button: Displays the onscreen SETUP menu.

22. Volume Adjustment Buttons: Press to increase or decrease the volume level. They also adjust Bass, Treble and Balance when selected.

23. Slow Motion: Press to play the DVD is slow motion.

24. Subtitle Button: Press to access DVD's subtitle languages.

25. Audio Button: Press to access DVD's audio setting.

General Operations

Power On/Off:

Press the **POWER** button to turn the unit On/Off.
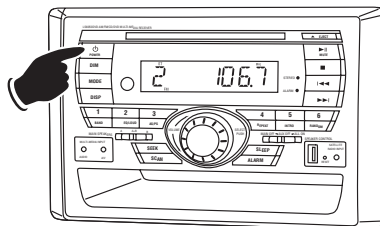

Selecting a Play Source:

To select a play source, press the **MODE** button until the desired source appears in the display:

AV IN F (Audio/Video in Front),

AV IN R (Audio/Video in Rear),

AUDIO IN (Audio in Front),

SAT IN (Satellite Radio Input),

**DISC** (CD, DVD and USB) and

RADIO (AM, FM and Weather Band).

DISC   AV IN R

AV IN F   SAT IN

AUDIO IN   DISC (USB)
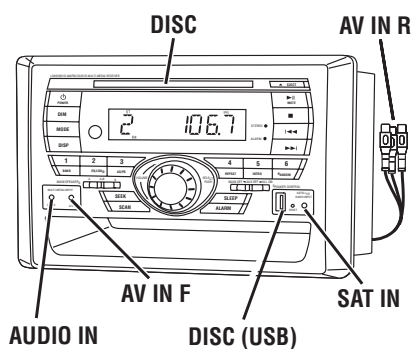
Dimming the Display:

Press the **DIM** button to select the desired level of brightness for the display.
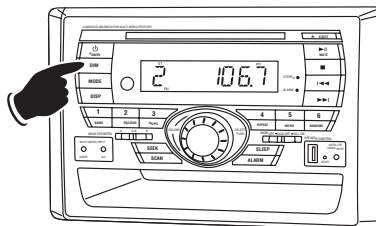
Display Selection:

Press the **DISP** button to display the clock. Press again to return to previous display.
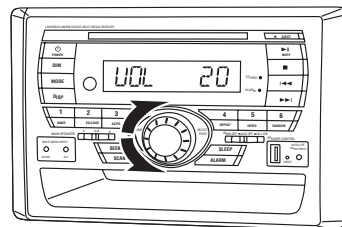
Press and hold to perform clock setting functions (See "Setting the Clock" for more details).

6
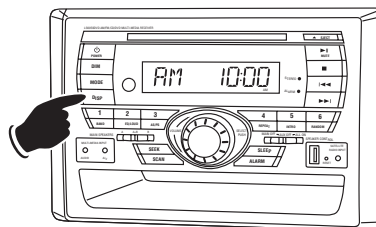
Sound Controls

Volume:

Increase the volume by rotating the Volume knob clockwise. Decrease the volume by rotating the Volume knob counterclockwise.


Bass, Treble and Balance Control

Select the desired sound mode by pressing the **VOLUME/SELECT** knob. The modes will be displayed in the following order: Bass, Treble, Balance and Volume.

Bass:

Select the Bass mode by pressing the **VOLUME/ SELECT** button. Increase the Bass by rotating the knob clockwise. Decrease the Bass by rotating the knob counterclockwise. After 10 seconds control reverts back to volume control.
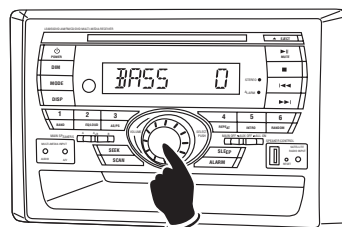
Treble:

Select the Treble mode by pressing the **VOLUME/ SELECT** button. Increase the Treble by rotating the knob clockwise. Decrease the Treble by rotating the knob counterclockwise. After 10 seconds control reverts back to volume control.
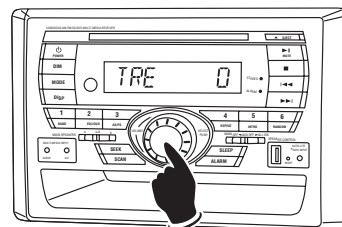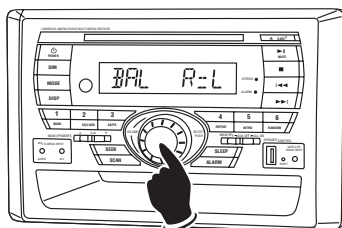

Balance:

Select the Balance mode by pressing the **VOLUME/SELECT** button. Adjust the Balance by rotating the knob.

R≟L = Equal sound right and left
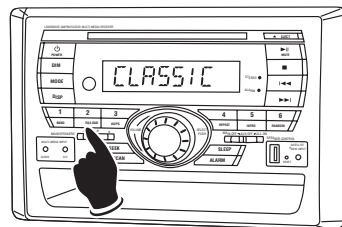R 7 = Right speaker only
L 7 = Left speaker only

After 5 seconds control reverts back to volume control.

Sound Controls (Continued)

Equalizer (EQ):

Press the **EQ** button to choose between the preset equalizer settings: Classic, Rock, Popular, Jazz and Normal as indicated in the display area.

Loud:

To boost high and low tones at low volume levels, press and hold the **EQ** button until "LOUD ON" appears in the display. To deselect, press and hold the **EQ** button again until "LOUD OFF" appears in the display.
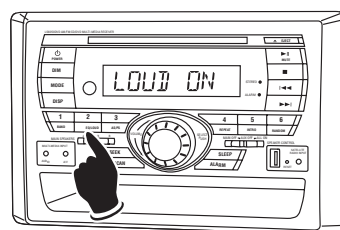
Mute:

Press the **MUTE** button to mute the volume level. If a CD or DVD is playing the **MUTE** button will pause the disc. Press the **MUTE** button again to restore the volume or resume playing the disc.
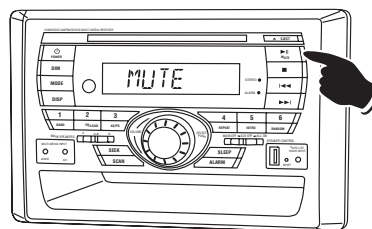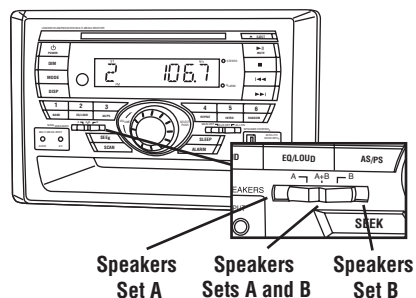
Speaker Selection Switches

Main Speakers:
Slide the **Main Speaker Switch** to play audio
through speaker set A, speaker set B or both
speaker sets A and B.

**Speakers
Set A**　　**Speakers
Sets A and B**　　**Speakers
Set B**

Auxiliary Speakers:
Slide the **Speaker Control Switch** to turn:
• Main speaker off and auxiliary speakers on,
• Main speakers on and auxiliary speakers off or
• Main speakers on and auxiliary speakers on.

Speaker Control
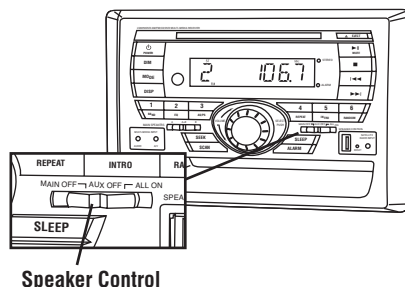
Setting the Clock

1. Press and hold the **DISP** button until the hour
indicator start flashing.

2. Rotate the Volume knob until the correct Hour
appears in the display.
Note: When setting the clock make sure to
select the correct AM or PM indicator.

Hold

3. Press the Volume knob and the Minute indica-
tors will start flashing.

4. Rotate the Volume knob until the correct Minutes
appears in the display.

5. Press the **DISP** button and the colon between
the hours and the minutes will start flashing
indicating the clock is set.
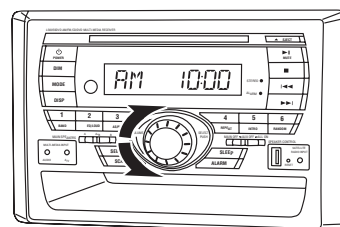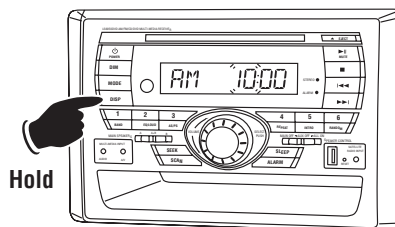
Alarm Operation

Setting the Alarm Timer:
1. Press and release the **ALARM** button and the hour indicators will start flashing.

2. Rotate the Volume knob until the correct Hour appears in the display.
   Note: When setting the alarm clock make sure to select the correct AM or PM indicator.

3. Press the Volume knob and the Minute indicators will start flashing.

4. Rotate the Volume knob until the correct Minutes appears in the display.

5. Press the **ALARM** button and the display will return to normal operation. The alarm indication LED will now be lit.

6. Press the **POWER** button to turn the unit off. The unit will automatically turn on when the set alarm time is reached.
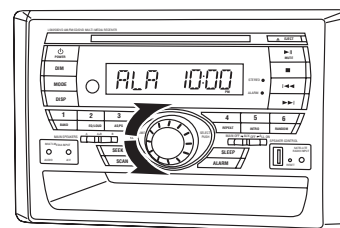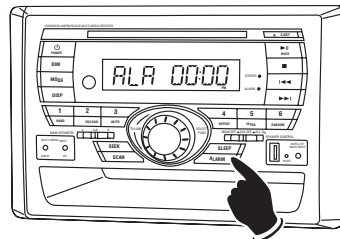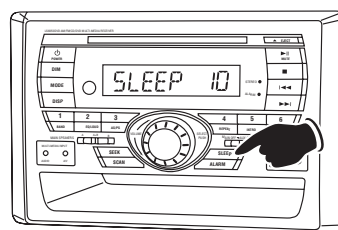
Cancelling the Alarm Timer:
1. Press and release the **ALARM** button and the hour indicators start flashing.

2. Rotate the Volume knob to the until Hours appears as 00:00 in the display.

3. Press the Volume knob and the Minute indicators will start flashing.

4. Rotate the Volume knob until Minutes appears as 00:00 in the display.

5. Press the **ALARM** button and the display will return to normal operation. The alarm indication LED will now be off.
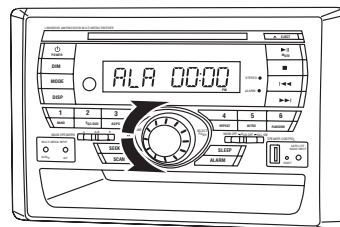
Sleep Timer Operation

Setting the Sleep Timer:
1. Press the **SLEEP** button until the "SLEEP" appears in the display.

2. Keep pressing the **SLEEP** button again until the desired sleep time appears in the display (0, 10, 20, 30, 40, 50, 60, 70, 80 minutes).

3. Wait 10 seconds and the display will return to normal operation.

4. After the designated sleep timer has expired the unit will turn off automatically.

Cancelling the Sleep Timer:
1. Press the **SLEEP** button until "0" is displayed.

2. Wait 10 seconds and the display will return to normal operation.

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AM/FM and Weather Band Operations
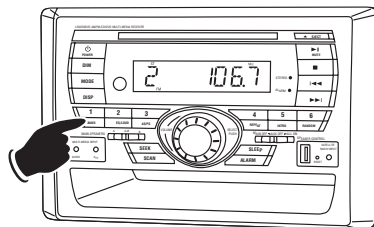
Power On/Off:
Press the **POWER** button to turn the unit On.

Selecting the Play Source:
Press the **MODE** button until "RADIO" appears in the display. After a brief moment either AM, FM or a Weather Band frequency will appear in the display.

Selecting the AM, FM or Weather Band:
Press the **BAND** button repeatedly and select from FM1, FM2, FM3, AM1, AM2 or W-BAND (Weather Band).

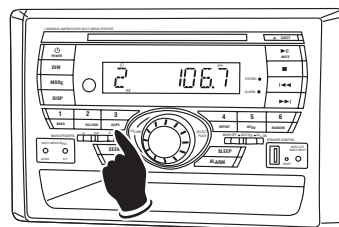**Manually Tuning in a Radio Station:**
Press the ◄◄ button to tune in a lower radio station. Press the ►► button to tune in a higher radio station.

Note: The unit will automatically switch from FM Mono to FM Stereo when the signal strength increases to a stereo level. If the stereo signal should become weak, the unit will switch back to Mono. FM stereo reception is indicated when the STEREO LED is lit.

Lower

Higher
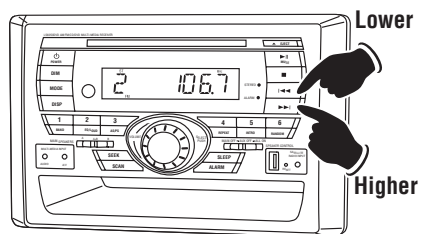
**Tuning in a Radio Station Using Seek:**
Press the **SEEK** button and the tuner will scan up to the next strong station and stop seeking, then start playing.

Tuning in a Radio Station Using Scan:
Press the **SCAN** button and the tuner will scan up to the next strong station and pause for 5 seconds, then scan for the next strong station. To cancel this function press the **SCAN** button again.

11
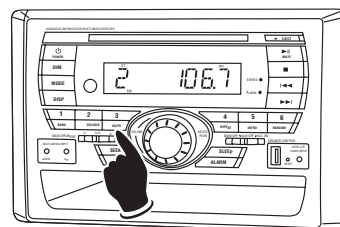
AM/FM and Weather Band Operation (Continued)

Memorizing Radio Stations:
1. Press the **BAND** button to select either the FM1, FM2, FM3, AM1 or AM2 radio band.
2. Tune-in the desired radio station.
3. To memorize the station press and hold any-one of the six radio station recall buttons until the display begins to flash.

Note: The weather band stations are prepro-grammed and can not be reprogrammed.
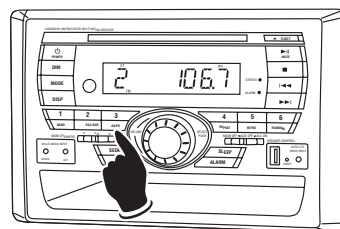
Radio Station Recall Buttons
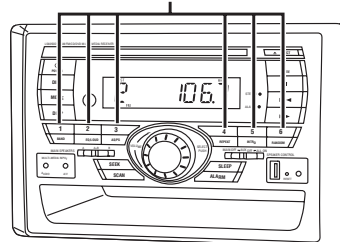

Automatically Store Radio Stations:
1. Press the **BAND** button to select either the FM or AM radio band.
2. Press the **AS.PS** button and release. The tuner will search for the strongest stations and store them into memory. The new stations will replace stations that were previously stored in the current band.

Note: When the FM band is selected the 18 strongest stations will be stored into FM1, FM2 and FM3. When AM band is selected the 12 strongest stations will be stored into AM1 and AM2.

Scanning Stored Radio Stations:
1. Press the **BAND** button to select either the FM or AM radio band.
2. Press and hold the **AS.PS** button then release. The tuner scans for preset stations stored in the current band and pauses for 5 seconds at each station. When a desired station is reached, press the **AS.PS** button again to stop scanning.
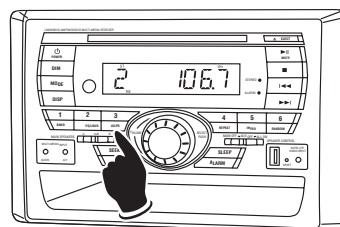
Hold

Disc Warnings

Disc Formats Supported by this Player:

DVD
12cm disc
(Single-sided disc only)

CD
12cm disc

MP3
12cm disc

Handling and Cleaning:
• Dirt, dust, scratches and warping disc will cause non operation.
• Do not place stickers on disc or scratch disc.
• Do not warp discs.
• A disc should always be kept in its case when not in use to prevent damage.
• Do not place discs in the following places:

   1. Direct sunlight.
   2. Dirty, dusty and damp areas.
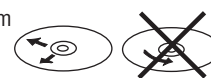   3. Near car heaters.
   4. Car seats or dashboard.

Disc Cleaning:
Use a dry soft cloth to wipe disc the surface. If the disc is quite dirty, use a soft cloth slightly moist with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.

Note: A disc may become somewhat scratched (although not enough to make it unusable) depending on handling and conditions in the usage environment.

Label side up

Do not touch the underside of the disc

Do not bend

Wipe the disc from the center toward the outside edge

Preparing New Discs with Rough Spots:
A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ball point pen or pencil as shown. To do this, press the side of the pen or pencil against the inside and outside edges of the disc.

Rough spots on outside edge

Rough spots on inside edge

Ball point pen or pencil

13
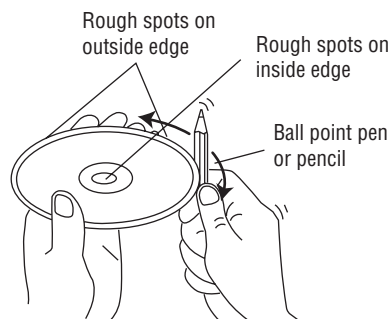
CD Operation (Compact Disc)

General Operations:
1. Press the **POWER** button to turn the unit On.
2. Gently insert the disc into the slot with the label side up. The unit will automatically load the disc.

   Note: If a CD does not auto-load **DO NOT FORCE** into the slot, as you may already have a CD loaded.

Label Side Up
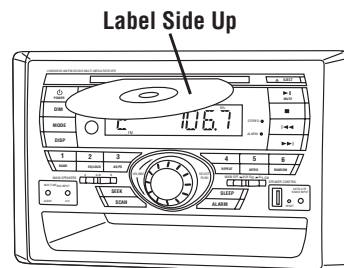
CD Track Selection:
Press the ⏮ button to select a lower track.
Press the ⏭ button to select a higher track.
The track number will appear in the display.

Tracks can also be selected by using the remote control. Press the track selection number button that corresponds to the track you want to play then press the **ENTER** button.

For example: If you want to play track 8, press button **8** then the **ENTER** button. Track 8 will start playing and "8" will appear in the display.

If you want to play track 12, press **10+**, then press button **1**, followed immediately by button **2**, and finally press the **ENTER** button. Track 12 will start playing and "12" will appear in the display.

Track Number

Lower
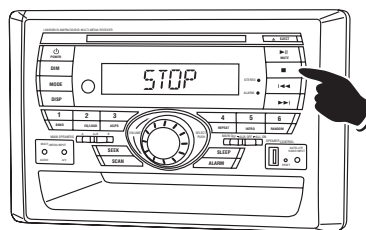
Higher

Track Selection Numbers (Buttons 1-10+)
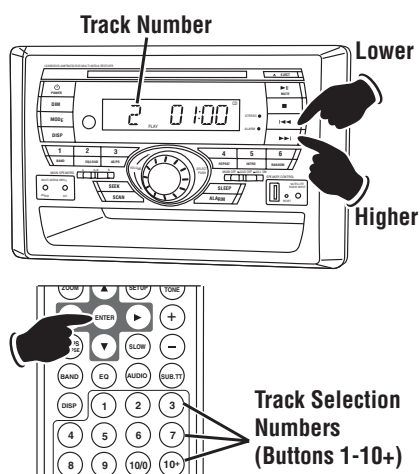
Pausing a CD:
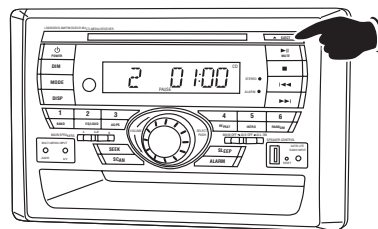Press the ▶⏸ button to pause the disc, press it again to resume play.
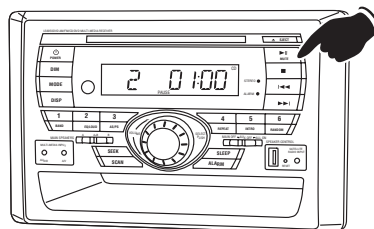
Stopping a CD:
Press the ■ button to stop the disc. To resume play, press the ▶⏸ button.
Pressing the ■ button 2 times, then pressing the ▶⏸ button will play the disc from the beginning.

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CD Operation (Compact Disc)

**Ejecting a CD:**
Press the **EJECT** button to eject a disc.

Repeating a CD Track or Entire CD:
Select the desired track to repeat, then press the **REPEAT** button once and "REPEAT" appears in the display. This track will play repeatedly. Press the **REPEAT** button one more time and "REPEAT" will remain in the display. The entire CD will now be repeated. To cancel this feature press the **REPEAT** button again and "REPEAT" disappears from the display.
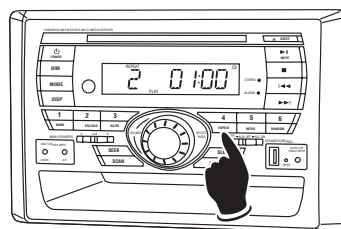
Preview CD Tracks:
Press the **INTRO** button until "INTRO" appears in the display. Each track on the disc will play for 6 seconds. To cancel this feature press the **INTRO** button until "INTRO" disappears from the display.
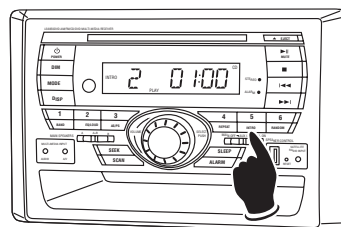
Random CD Track Play Order:
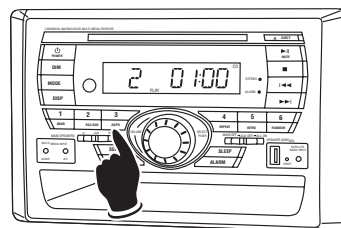Press the **RANDOM** button until "RANDOM" appears in the display. The tracks on the disc will play in a random order. To cancel this feature press the **RANDOM** button again.
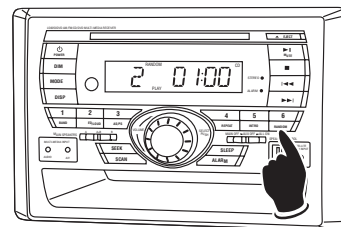
Elapse Times:
Continue to press the **AS.PS** button during CD play to display the following disc information in this order:

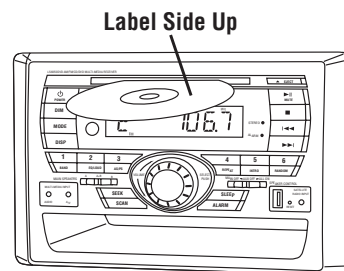Single Remain, Single Elapse, Total Remain and Total Elapse.

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MP3 Disc Operation

General Operations:

1. Press the **POWER** button to turn the unit on.
2. Gently insert the disc into the slot with the label side up. The unit will automatically load the disc.

Note: If a disc does not auto-load **DO NOT FORCE** into the slot, as you may already have a disc loaded.

Label Side Up

Disc File Selection:

Press the ⏮ button to select a lower file.
Press the ⏭ button to select a higher file. The file number will appear in the display.

File selection can also be selected by using the remote control. Press the file selection number button that corresponds to the file you want to play then press the **ENTER** button.

For example: If you want to play file 8, press button **8** then the **ENTER** button.

If you want to play file 28, press **10+**, then press button **2**, followed immediately by button **8**, and finally press the **ENTER** button. File 28 will start playing and "28" will appear in the display.

File Number

Lower

Higher

File Selection Numbers (Buttons 1-10+)

Pausing a MP3 Disc:

Press the ▶‖ button to pause the disc, press it again to resume play.

Ejecting a MP3 Disc:

Press the **EJECT** button to eject the disc.

Stopping a MP3 Disc:

Press the ■ button to stop the disc. To resume play, press the ▶‖ button.
Pressing the ■ button 2 times.Then press the ▶‖ button and the disc will start playing from the beginning.

DVD Operation

General Operations:

1. Press the **POWER** button to turn the unit On.
2. Gently insert the disc into the slot with the label side up. The unit will automatically load the disc.

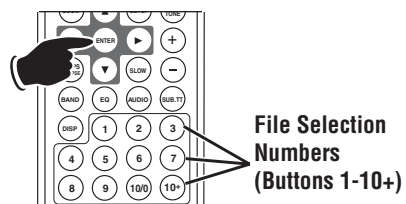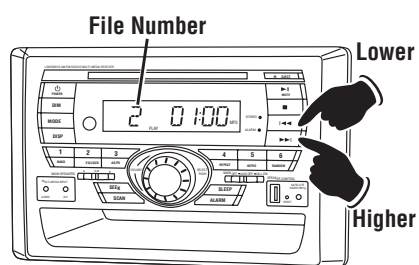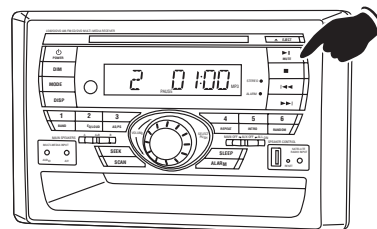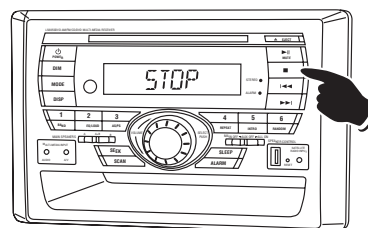**Note:** If a DVD does not auto-load **DO NOT FORCE** into the slot, as you may already have a DVD loaded.

Label Side Up
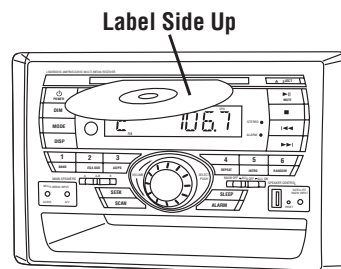
Pausing a DVD:

Press the ▶❙❙ button to pause the disc, press it again to resume play.
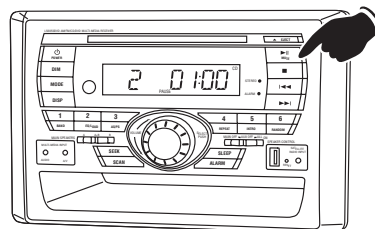
Stopping a DVD:

Press the ■ button to stop the disc. To resume play, press the ▶❙❙ button.

Pressing the ■ button 2 times. Then pressing the ▶❙❙ button and the disc will start playing from the beginning.
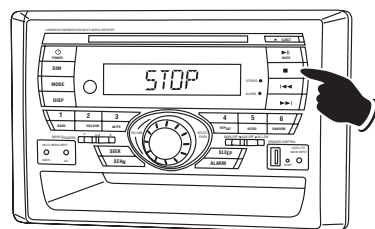
DVD Chapter Selection:

Press the ❙◀◀ button to select a lower chapter.
Press the ▶▶❙ button to select a higher chapter.
The chapter number will appear in the display.

Chapter selection can also be selected by using the remote control. Press the chapter selection number button that corresponds to the chapter you want to play then press the **ENTER** button.

For example: If you want to play chapter 8, press button **8**, then the **ENTER** button.

If you want to play chapter 28, press the **10+** button twice followed immediately by button **8**. Chapter 28 will start playing and "28" will appear in the display.

Chapter Number

Lower

Higher

Chapter Selection Numbers (Buttons 1-10+)
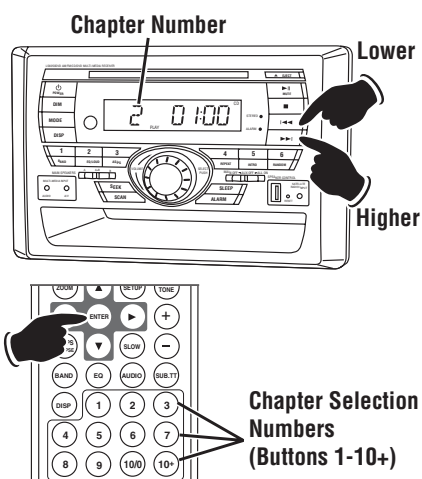
DVD Operation (Continued)

Fast Forward / Fast Reverse Disc Play:
Press the ▶▶ (fast forward) or ◀◀ (fast reverse) button during play. Each time the button is pressed, the speed of fast forward/fast reverse changes in the following order:

2X, 4X, 8X, 16X, 32X

To resume normal play, press the ▶‖ (Play) button 2 times.

Fast Rewind   **Fast Forward**

Slow Motion:
Continue to press the **SLOW** button to play the DVD is slow motion in the following order:

Forward (▶) 1/2, 1/4, 1/8, 1/16 then Reverse (◀) 1/2, 1/4, 1/8, 1/16

To resume normal play, press the ▶‖ (Play) button 2 times.
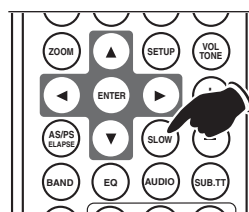
Repeat:
Continue to press the **REPEAT** button to select a repeat mode in the following order:

Repeat Chapter, Repeat Title, Repeat All, Normal Play.
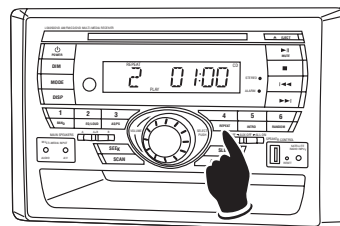
Elapse Times:
Continue to press the **AS.PS/ELAPSE** button during DVD play to display the following disc information in this order:

Title Elapse, Title Remain, Chapter Elapse, Chapter Remain and Display Off.
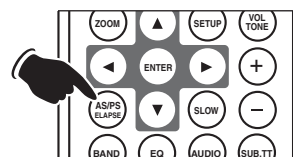
Menu Function:
Press the **MENU** button during disc play and the main menu will be displayed. Scroll through the menu with the **NAVIGATION BUTTONS**. Select a feature by pressing the **ENTER** button.

Navigation Buttons
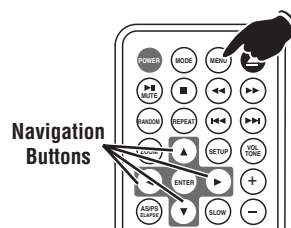
Audio Language Menu:
Press the **AUDIO** button during playback to review the current setting. Most DVDs have their own audio setup. Go to the onscreen menu to select appropriate audio/language setup.

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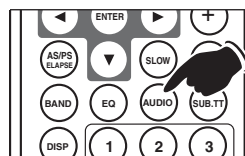
DVD Operation (Continued)

Subtitle Language Menu:
Press the **SUB.TT** button during playback. Each time the button is pressed, the subtitle language changes in sequential order.
• Some discs may only contain one subtitle language.
• Depending on the disc, the number of subtitle languages may be different.
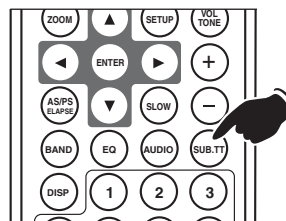
Zooming the Image:
To enlarge the onscreen image during disc play, press the **ZOOM** button. Each time the button is pressed, the magnification increment changes in the following order:

2X, 3X, 4X, 1/2, 1/3, 1/4.

Use the navigation buttons to move the image on the screen.

Setup Menu

General Setup Page   Audio Setup Page   Video Setup Page   Preference Page   Password Setup Page   Exit Setup Menu

```
- -  General  Setup  Page  - -

TV  Display                        PS
Angle  Mark                        On
OSD  Language                      ENG
Captions                           Off
Screen  Saver                      On
Memory                             Off



Go  To  General  Setup  Page
```
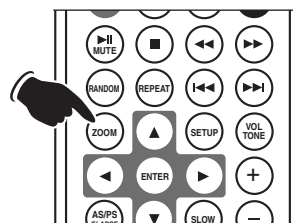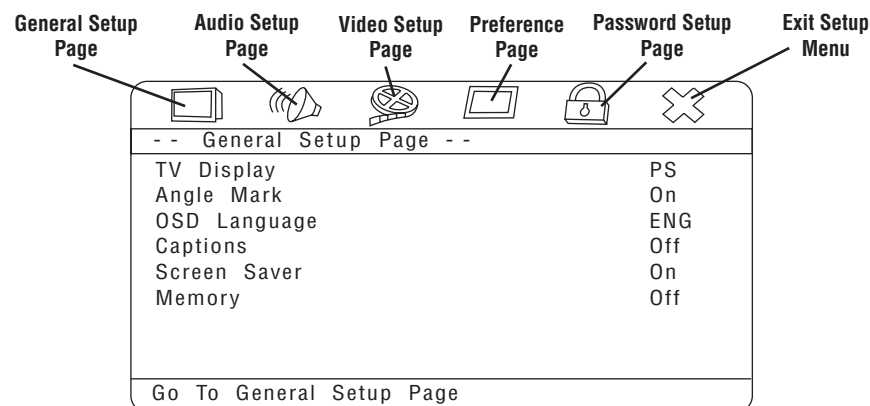
Press the **SETUP** button on the remote control to display the Setup Menu:

General Setup Page:
Use the navigation buttons to scroll between the menu items. Make a selection by pressing the **ENTER** button.
• TV Display: Normal/PS, Normal/LB, Wide, Wide Squeeze
  Note: Disc must be stopped to make selection.
• Angle Mark: On, Off
• OSD Language: Depending on the disc, the number of languages may be different.
• Captions: On, Off
• Screen Saver: On, Off
• Memory: On, Off

Audio Setup Page:
Use the navigation buttons to scroll between the menu items. Make a selection by pressing the **ENTER** button. Audio Setup Options:
• Speaker Setup Page
  Downmix: LT/RT, Stereo
  Front Speaker: Large, Small
• SPDIF Setup Page
  SPDIF Output: SPDIF Off, SPDIF/Raw, SPDIF/PCM
  LPCM Out: 48kHz, 96kHz
• HDCD Setup Page
  Sample Rate: Off, 44.1k, 88.2k

Setup Menu (Continued)

Video Setup Page:

Use the navigation buttons to scroll between the menu items. Make a selection by pressing the **ENTER** button. Video Submenu Options:

• Video Quality:
  Sharpness: High, Medium, Low
  Brightness: -20 to 20
  Contrast: -20 to 20
  Gamma: High, Medium, Low, None
  Hue: -20 to 20
  Saturation: -20 to 20
  Luma Delay: 0 T, 1 T

Preference Page:

Use the navigation buttons to scroll between the menu items. Make a selection by pressing the **ENTER** button. Preference Options:
  • TV Type: PAL, Multi, NTSC
  • PBC: On, Off
  • Parental: 1 KID SAFE
                2 G
                3 PG
                4 PG13
                5 PGR
                6 R
                7 NC17
                8 ADULTS
  • Default: Reset

Security Setup Page:

Use the navigation buttons to scroll between the menu items. Make a selection by pressing the **ENTER** button. Password Submenu Options:
  • Password: On, Off.

  • Change PSW: Change.

Exit Setup Menu:

Press the **ENTER** button to exit the setup menu.

Audio Input

Selecting an Audio Play Source:
To select a Audio Play Source, press the **MODE** button until "AUDIO IN" appears in the display. Refer to the audio device's owners manual for proper operation.
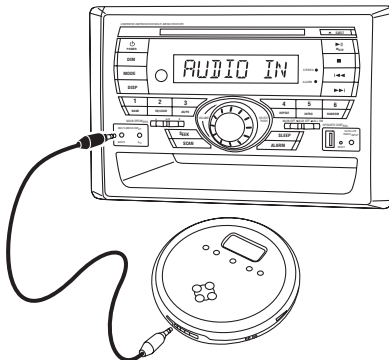
Audio/Video Input

Selecting the Audio/Video Play Source:
To select a Audio/Video play source, press the **MODE** button until "AV IN F" appears in the display. Refer to the audio/video device's owners manual for proper operation.
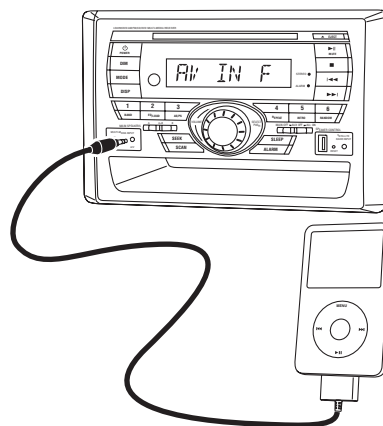
Satellite Radio Input

Selecting the Satellite Audio In Source:
To select a Satellite Audio In Source, press the **MODE** button until "SAT IN" appears in the display. Refer to the satellite radio's owners manual for proper operation.
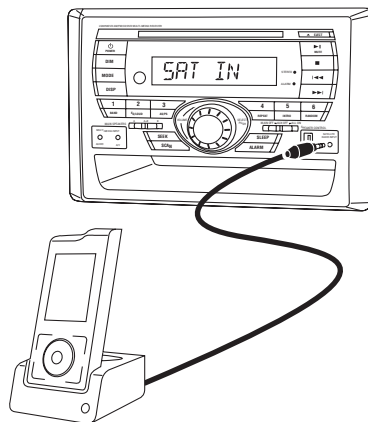
USB Input

Selecting USB Audio Play Source:

To select a USB play source, press the **MODE** button until "DISC" appears in the display. When the player is properly connected it will play automatically. Use the controls on the LS6050DVD to select the desired file to play.

Disc File Selection:

File Number

Lower

Press the ◄◄ button to select a lower file. Press the ►► button to select a higher file. The file number will appear in the display.

File selection can also be selected by using the remote control. Press the file selection number button that corresponds to the file you want to play then press the **ENTER** button.

For example: If you want to play file 8, press button **8**, then the **ENTER** button.

Higher

If you want to play file 28, press **10+**, then press button **2**, followed immediately by button **8** and finally press the **ENTER** button. File 28 will start playing and "28" will appear in the display.

File Selection Numbers (Buttons 1-10+)
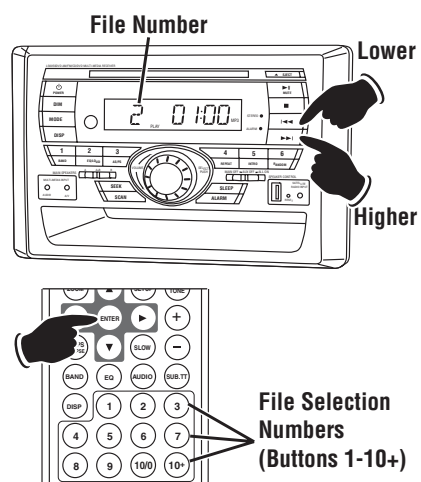
Pausing a MP3 Player:

Press the ►❚❚ button to "Pause" the player, press it again to resume play.
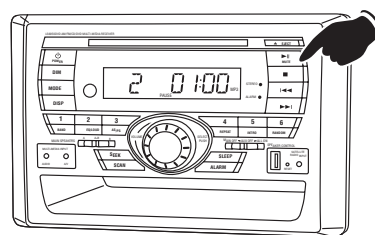
Stopping a MP3 Player:

Press the ■ button to "Stop" the player. To resume play, press the ►❚❚ button.

Pressing the ■ button 2 times. Then press the ►❚❚ button and the disc will start playing from the beginning.

Installation

9^1/$_4$"

Wall
Panel

6^1/$_2$"

Chassis Opening

Structural Stud
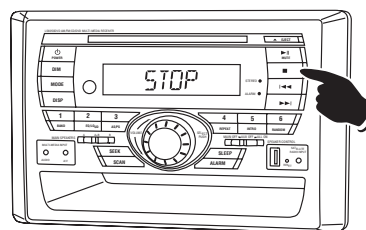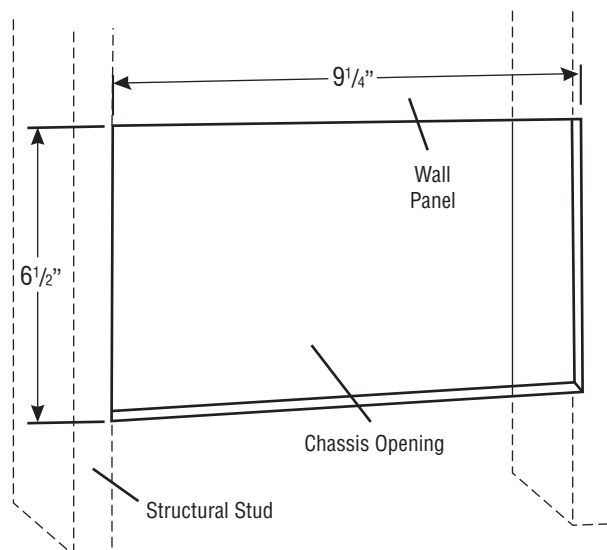
⚠ Caution: Do not install radio without rear cover installed:
No user-serviceable parts inside. Rear cover provides
protection against potential fire hazard.

End Caps

3^5/$_8$"

9 ^{3}/$_4$"

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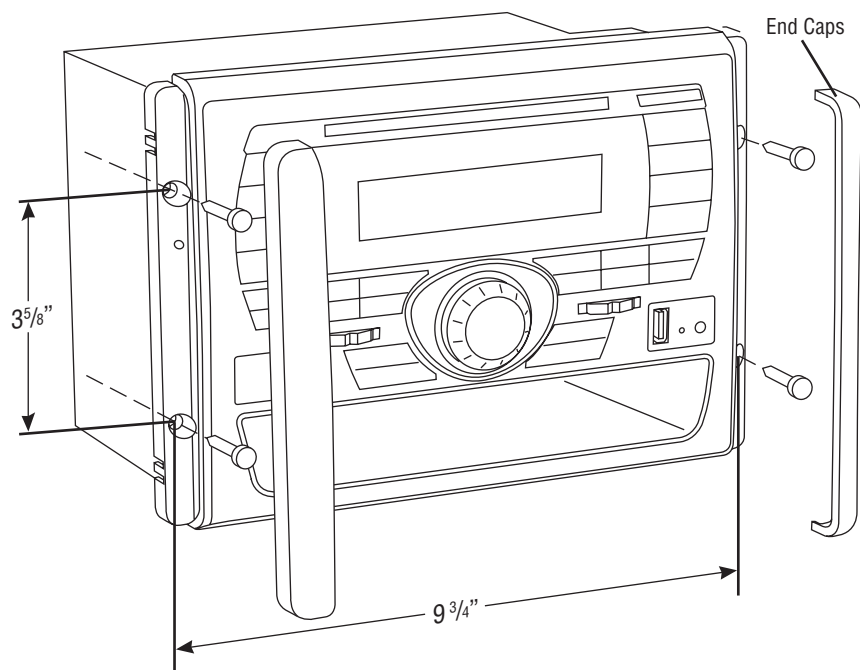
Speaker Connections

Auxiliary
Speaker Left

Auxiliary
Speaker Right

– **Purple/White Wire (Common -)** –

+ **White Wire** **Purple Wire** +

Speaker A
Left

Speaker A
Right

– **Brown/Black Wire** **Gray/Black Wire** –

+ **Brown Wire** **Gray Wire** +

9-Pin
Connector

4-Pin
Connector

Speaker B
Left

Speaker B
Right

– **Green/Black Wire** **Blue/Black Wire** –

+ **Green Wire** **Blue Wire** +

Subwoofer
(Optional LS-SUB-75)

White RCA

Subwoofer Output

Red RCA
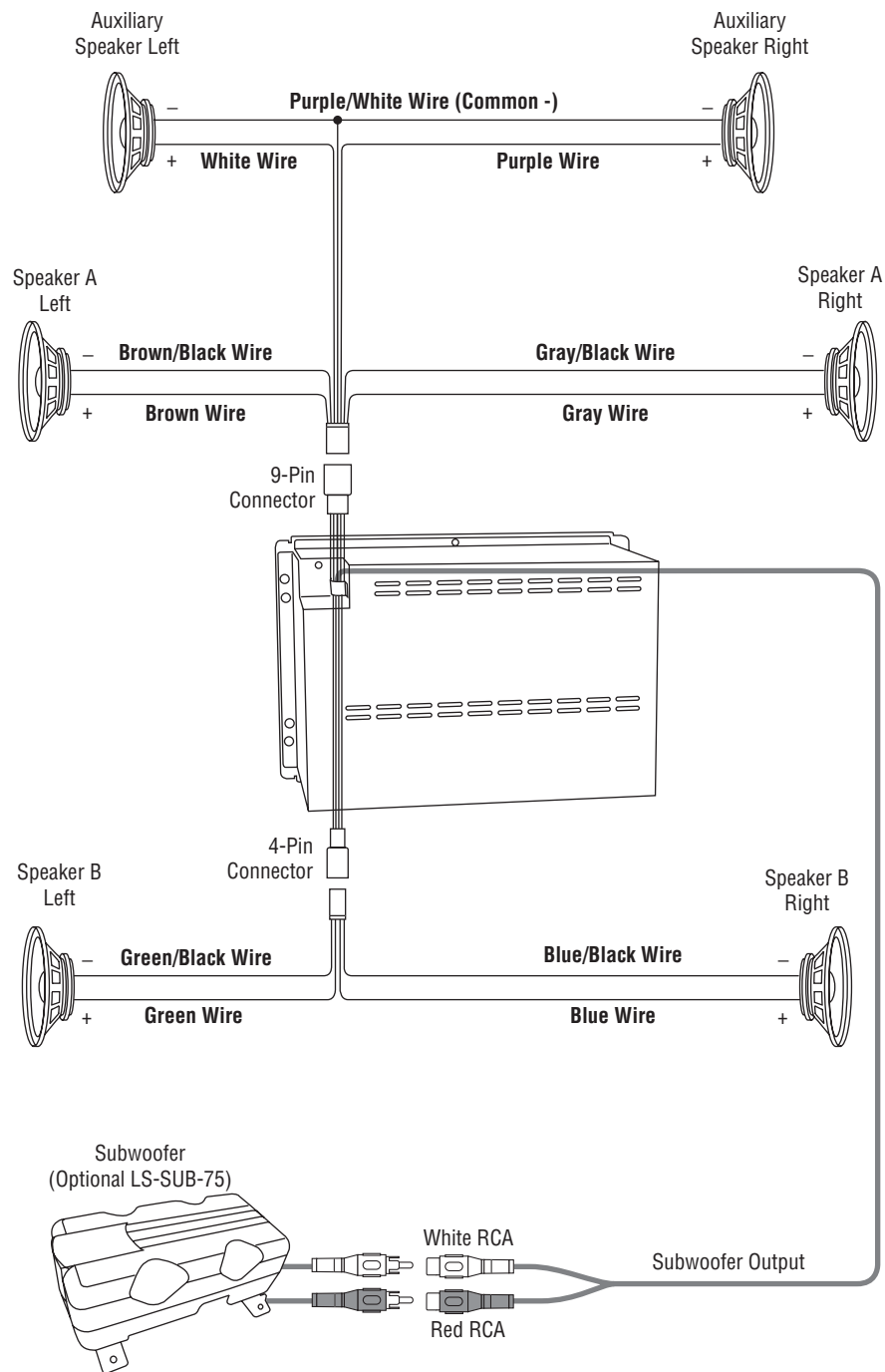
Auxiliary Connections

This unit for use only with a 12 Volt DC power source with a negative ground.

Red Wire (+) to 12 Volt DC Power

10A

9-Pin
Connector

Black Wire Ground

White RCA

2-Channel Audio Output

Amplifier
(Optional)

Red RCA

Video Output

Yellow RCA

Monitor
(Optional)

Dolby/DTS Digital
Processor (Optional)

Digital Coaxial Output

Black RCA

Input Connections

Plug Either Type of Antenna into the Female Antenna Receptacle

Model: DP36AXT In-Wall Antenna (Optional)

External Automotive Type Antenna (Optional)

Game Console (Optional)

RCA Connectors

Audio/Video Input (Rear)

Wired Remote Controller Input

Mini-DIN Connectors

Wired Remote Controller (Optional)

Satellite Radio Receiver (Optional)

Satellite Radio Input

3.5mm Mini Jack

Note: If the Rear Satellite Radio Input connection is used the Satellite Radio Input on the front of the radio can not be used.

Reset Button

The LCD display may fail to function normally due to the vehicle's battery condition, and could require resetting the radio microprocessor if:
  • The vehicle has been "jump started" from a dead battery condition.
  • The vehicle battery becomes very low and is quick-charged.
  • The vehicle battery is removed and replaced.

Should any of these conditions occur, simply press and release the **RESET** button on the radio front panel using the tip of a ball point pen. This will reset the radio microprocessor to the original factory settings. After pressing the **RESET** button you should recheck to see if the radio functions normally.

Safety Instructions

- **Read Instructions:** All the safety and operating instructions should be read before the appliance is operated.

- **Retain Instructions:** The safety and operating instructions should be retained for future reference.

- **Heed Warnings:** All warnings on the appliance and in the operating instructions should be adhered to.

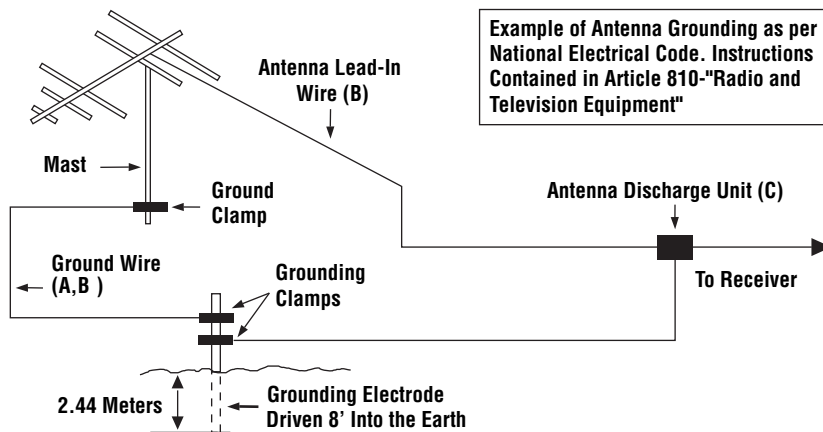- **Follow Instructions:** All operating and use instructions should be followed.

- **Water and Moisture:** The appliance should not be used near water. For example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

- **Wall or Cabinet Mounting:** The appliance should be mounted to a wall or cabinet only recommended by the manufacturer.

- **Heat:** The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

- **Power Supply:** The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

- **Power Lines:** An outdoor antenna should be located away from power lines.

- **Object and Liquid Entry:** Care should be taken so that objects do not fall, and liquids are not spilled into the enclosure through openings.

Outdoor Antenna Grounding:

If an outside antenna is connected to the receiver, be sure the antenna system is grounded, so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, ANSI/NFPS No. 70-1983, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See illustration below.

Antenna Lead-In Wire (B)

Mast

Ground Clamp

Ground Wire (A,B)

Grounding Clamps

2.44 Meters

Grounding Electrode Driven 8' Into the Earth

Example of Antenna Grounding as per National Electrical Code. Instructions Contained in Article 810-"Radio and Television Equipment"

Antenna Discharge Unit (C)

To Receiver

A. Use No. 10 AWG (5.3mm2) copper, No. 8 AWG (8.4mm2) aluminum, No. 17 AWG (1.0mm2) copper clad steel or bronze wire, or larger as ground wire.
B. Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22m) to 6 feet (1.83m) apart.
C. Mount antenna discharge unit as close as possible to where lead-in enters house.

Warranty

ONE (1) YEAR LIMITED WARRANTY

Magnadyne Corporation or its authorized agents will within one year from the date of sale to you, repair, replace or refund the retail sales price of said product or any part thereof, at the option of the Magnadyne Corporation or its authorized agents, if said product or part is found defective in materials or workmanship, when properly connected and operating on the correct power requirements designated for the specific product. This warranty and Magnadyne Corporation or its authorized agent's obligations hereunder do not apply where the product was; damaged while in the possession of the consumer, subjected to unreasonable or unintended use, not reasonably maintained, utilized in commercial or industrial operations, or serviced by anyone other than Magnadyne Corporation or its authorized agents, or where the warning seal on the product is broken or the power and/or plugs are detached from the unit. Magnadyne Corporation or any of its authorized agents will not assume any labor costs for the removal and reinstallation of any product found to be defective, or the cost of transportation to Magnadyne Corporation or its authorized agents. Such cost are the sole responsibility of the purchaser.

This warranty does not cover the cabinet appearance items or accessories used in connection with this product, or any damage to recording or recording tape, or any damage to the products resulting from improper installation, alteration, accident, misuse, abuse or acts of nature.

MAGNADYNE CORPORATION OR ITS AUTHORIZED AGENTS SHALL NOT BE LIABLE TO ANYONE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR CLAIMS EXCEPT THOSE ACCORDED BY LAW. NO EXPRESSED WARRANTY OR IMPLIED WARRANTY IS GIVEN EXCEPT THOSE SET FORTH HEREIN. NO IMPLIED WARRANTY SHALL EXTEND BEYOND ONE YEAR FROM THE DATE OF SALE.

This warranty extends only to the original purchaser of the product and is not transferable. Some states do not allow limitations on how long an implied warranty lasts, 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, and you may have other rights that vary from state to state.

"NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the User's authority to operate the equipment."

Defective merchandise should be returned to the original point of purchase or secondly, to Magnadyne Corporation, 1111 W. Victoria Street, Compton CA 90220.
Return Authorization must be obtained before sending, or merchandise may be refused.