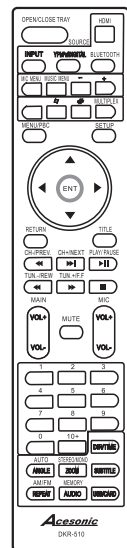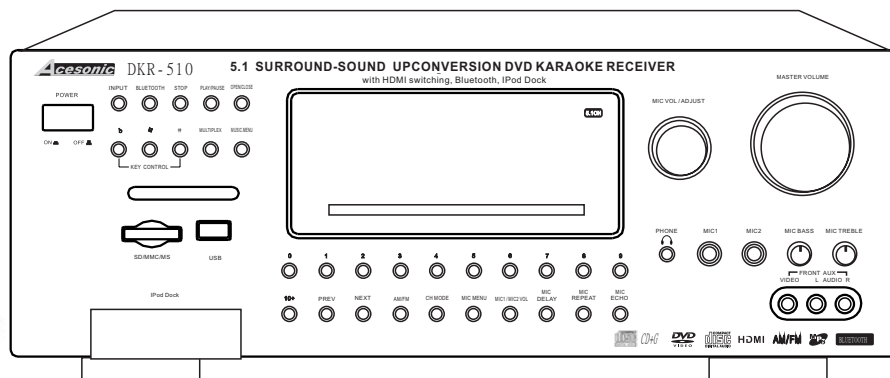# Acesonic

The Lead in Sing-Along Entertainment

DKR-510 640 WATTS 5.1 SURROUND-SOUND
UPCONVERSION DVD KARAOKE RECEIVER
WITH HDMI SWITCHING,BLUETOOTH

USER'S MANUAL

DKR-510   5.1 SURROUND-SOUND UPCONVERSION DVD KARAOKE RECEIVER
with HDMI switching, Bluetooth, IPod Dock

CD+G   DVD VIDEO   HDMI   AM/FM   MP3   BLUETOOTH

www. acesonic. com

CONTENT

1. Safety Cautions

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION⊔TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK). NO USER SERVIC-
EABLE PARTS INSIDE .REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.

The lightning flash with arrowhead symbol,within an equilateral triangle,
 is intended to alert the user to the presence of uninsulated "dangerous
voltage" within the product's enclosure that may be of sufficient
magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the
user to the presence of important operating and maintenance(servicing)
instructions in the literature accompanying the appliance.

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

CAUTION:
 TO reduce the risk of electric shock , do not remove cover. Refer servicing to qualified service personnel.
 Please read the manual carefully before operation. Keep it in a safe place for future reference.

USAGE NOTES OF DVD PLAYER
 Please dont put the player at following position.
- Sun shining or heat. radiation place, such as heater, stoves or other appliances that produce heat.
- Top of other heat radiation device.
- Bad ventilation or dusty, high moisture, unsteady or vibration place or expose the unit to rain or water.
- Nearby the high power speaker or on the same stand with speaker, keep it away from shocking to protect
  its normal work.
- Don✳ play discs that are scratched, cracked or warped to prevent the unit from damage.

USAGE NOTES OF POWER SUPPLY
- The power supply required is AC 110V 60Hz and 220V 50Hz manul switch.
- When not planning to use this unit for long periods of time, disconnect the AC power plug from the outlet.
- To prolong its serve, the changeover period between switch-on and switch-off, should not be less than ten seconds.

DVD PLAYER
 1. Compatible with DVD, SVCD, VCD, CD+G, Mp3 CD-R and CD-RW with high error correction ability.
 2. Read Picture CD to realize digital Picture displaying.
 3. 10 bit digital video converter, the resolutions is more than 500 lines.
 4. 24bit/96KHz digital audio converter, high quality of sound effect, professional Hi-Fi level.
 5. Component video signal output, S-video output. Composite video output, optical and coaxial output for
    audio/video selections.
 6. Eight languages and 32 caption modes can be selected.
 7. Various of screen selection of TV display and you may select preferred story section to view.
 8. Professional digital karaoke effect.
 9. Full function intelligent upgrade.

COMPONENT VIDEO OUTPUT
 Component video output (Y, Pb/Cb, Pr/Cr) enables you to enjoy real DVD effect. It renders pure color
 signals as they are, and without any video noise.

AC-3/DTS DECODING
 This appliance decodes Dolby Digital/AC-3 signal source, and outputs the signal through analog 6 channels.

1

2.Brief instruction of control
FRONT PANEL
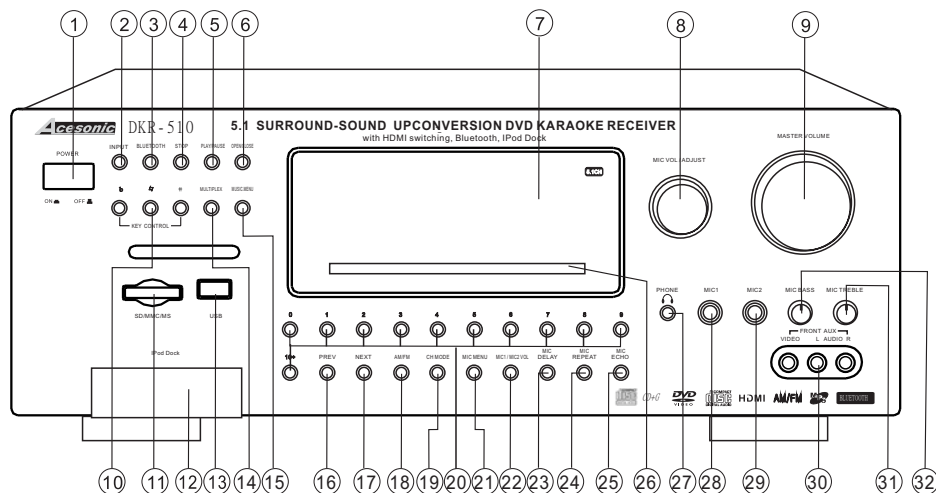
1. POWER SWITCH: Turns the power on and off(Have to manually switch between AC110V and 220V).
2. INPUT SELECTOR: Press this button , then use #8 MIC VOL/ADJUST knob to select the desired input source.
3. BLUETOOTH ON/OFF: To turn on or off the BLUETOOTH function(See P.20 for detail).
4. STOP: In DVD mode,Stop/ends playback.
5. PLAY/PAUSE: In DVD mode, begins the playback of media inside the disc tray or resume paused playback.
6. OPEN/CLOSE: In DVD mode, to open or close the tray. This button also uses to switch to DVD mode from other input sources.
7. DISPLAY SCREEN: Displays various operating information.(e.g. Main Volume, DSP, source, etc.)
8. MIC VOL/MULTI: In Karaoke mode, used to adjust the MIC volume. Or use it after pressing INPUT(#2) button to cycles through the available input channels. This button also can be use to adjust the parameters for various settings including surround-sound settings, microphone effect settings etc.
9. MASTER VOLUME: Controls the music volume. Trun clockwise to raise the music volume and counter-clockwise to lower the music volume.
10. KEY CONTROL: Transposes the music key while playing Karaoke disc.
11. SD/MMC/MS CARD READER: Compatible formats: SD,Mini SD and MMC. You can play MP3,VCD format.
    *All the CARD device need to be FAT32 file format.
12. IPod Docking: Support Ipod playback, stop, fast forward, back forward. Not IPhone compatible.
13. USB INTERFACE: Use this interface to connect USB devices such as Mp3 players, external hard drive, or flash drives. You can play MP3,VCD or DVD Audio/Video files form this interface.
    *All USB device need to be FAT32 file format.
14. MULTIPLEX: Switch between the left mono, the right mono or stereo sounds. Use to turn ON/OFF on multiplex CD+G or VCD karaoke discs.
15. MUSIC MENU: Press this button to switch between BASS, TREBLE, SUB WOOFER and sound channel (2.1 Ch, 5.1 Ch or Bypass)setting, then use the MICVOL/ADJUST knob(#8) to adjust the volume.
16. PREV: In DVD mode, use this button to skip to go to the beginning of the previous track.
17. NEXT: In DVD mode, use this button to skip to go to the beginning of the next track.
18. AM/FM : Press the key to switch between AM and FM, then use the MICVOL/ADJUST knob to adjust the tuning.
19. CHANNEL MODE: To switch cycles through the 2.1, 5.1 or bypass audio channel mode.
20. NUMBER BUTTON: Use to input selections for track selection in DVD mode,or programing purpose.
21. MIC MENU: To set up 8 different Microphone settings(see P.19 for detail), press this button and use MIC VOL/ADJUST knob to change the volume. This function works only when Microphone input is found.
22. MIC1/MIC2 VOL: Press it to switch between MIC1 and MIC2 then use MIC VOL/ADJUST knob to adjust MIC1 or MIC2 volume.
23. MIC DELAY: Press this button and use MIC VOL/MULTI knob to adjust microphone vocal delay level.
24. MIC REPEAT: Press this button and use MIC VOL/MULTI knob to adjust microphone vocal repeat level.
25. MIC ECHO: Press this button and use MIC VOL/MULTI knob to adjust microphone vocal echo level.
26. DVD tray: Press OPEN/CLOSE(#6) button to open or close the DVD Tray.
27. HEADPHONE INPUT JACK: Connect headphones to this jack using a mini-jack headphone cable. The speakers are turned off while the headphones plug is connected to the headphone jack.
28. MIC INPUT 1: Connect to a microphone by using 1/4" microphone cable .
29. MIC INPUT 2: Connect to a microphone by using 1/4" microphone cable .
30. AUX INPUT: Connect to the AUX audio and video inputs.
31. MIC TREBLE: This knob is used to adjust microphone treble level.
32. MIC BASS: This knob is used to adjust microphone bass level.

2

REAR PANEL
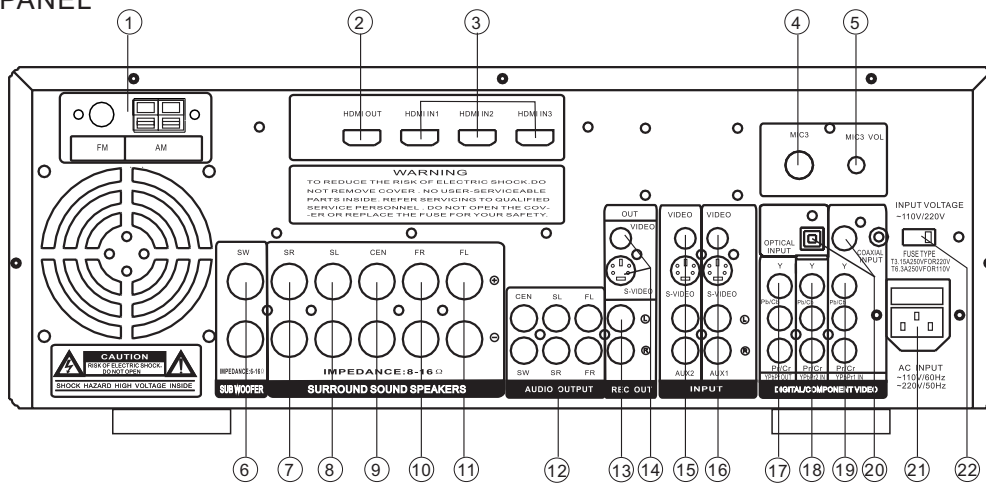
1. FM/AM ANTENNA IN
Use FM/AM antenna to connect to these jacks.

2. HDMI OUTPUT
Use HDMI cable to Connect to external video device like monitor with HDMI input.

3. HDMI INPUTS
Use HDMI cable to Connect to HDMI output from external A/V devices like HDMI DVD player.

4. MIC3 INPUT
Connect to a microphone by using 1/4" microphone cable .

5. MIC3 VOL
This knob is used to adjust the volume of MIC 3 input.

6. WOOFER SPEAKER TERMINAL
Using speaker cable with exposed wires or banana plugs to connect to woofer speaker,

the impedance equal or more than 6-16 OHM.

7. SURROUND SPEAKER (RIGHT) TERMINAL
Using speaker cable with exposed wires or banana plugs to connect to surround

speaker(right), the impedance equal or more than 8-16 OHM.

8. SURROUND SPEAKER (LEFT) TERMINAL
Using speaker cable with exposed wires or banana plugs to connect to surround

speaker(left), the impedance equal or more than 8-16 OHM.

9. CENTER SPEAKER TERMINAL
Using speaker cable with exposed wires or banana plugs to connect to center speaker.

The impedance equal or more than 8-16 OHM.

10. MAIN SPEAKER (RIGHT) TERMINAL
Using speaker cable with exposed wires or banana plugs to connect t to front speaker(right),

the impedance equal or more than 8-16 OHM.

11. MAIN SPEAKER (LEFT) TERMINAL
Using speaker cable with exposed wires or banana plugs to connect to front speaker(left), the

impedance equal or more than 8-16 OHM.

12. 5.1 CHANNEL DVD/AC-3 AUDIO OUTPUTS
Using composite audio cables for analog 5.1 ch. Dolby/AC-3 audio output.

13. RECORD OUT L/R RCA OUTPUT
Connect to a recording device, powered speakers, or any device with RCA L/R audio inputs.

14. RCA VIDEO and S-VIDEO OUTPUT
Connect to a TV with an RCA or S-Video input. Make sure that the correct input channel is select.

15. AUX2 AUDIO and VIDEO/S-VIDEO INPUT
AUX2 audio and video/s-video input channel. Connect here using an RCA cable or S-Video cable.

16. AUX1 AUDIO and VIDEO/S-VIDEO INPUT JACK
AUX1 audio and video/s-video input channel. Connect here using an RCA cable or S-Video cable.

17. Component VIDEO(YPbPr) OUTPUT
Using component(YPbPr) video cable to connect to external video device like projector.

18. Component VIDEO 2(YPbPr) & OPTICAL AUDIO INPUT
Using component(YPbPr) cable to connect from external device with YPbPr output like DVD player.

Using Optical audio cable to connect from external device with Optical audio output.

19. Component VIDEO 1(YPbPr) & COAXIAL AUDIO INPUT
Using component(YPbPr) cable to connect from external device with YPbPr output like DVD player.

Using Coaxial audio cable to connect from external device with Coaxial audio output.
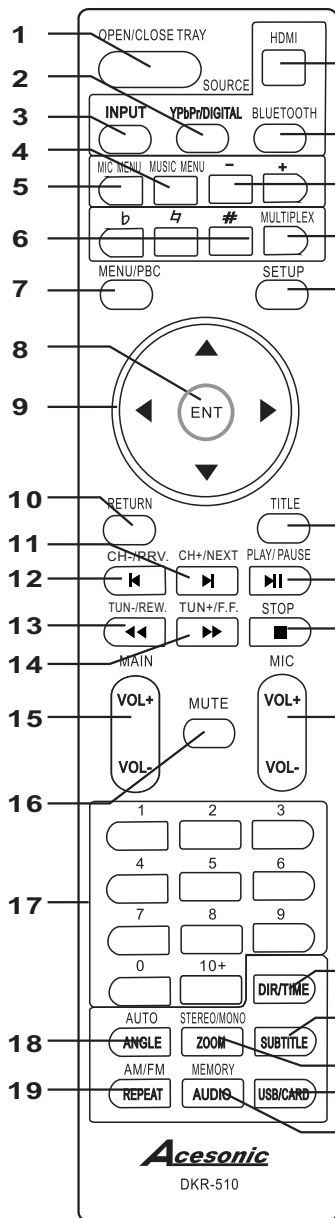
20. OPTICAL and COAXIAL INPUT
Optical/Coaxial audio input can be used individually, or co-operate with YPbPr 1 or 2 video input.

21. AC POWER CONNECTOR - Connect the power cable here

22. AC INPUT SWITCH-Manual switch between ~220V/ 50Hz and ~110V/60Hz

3

Remote Control Function

1.OPEN/CLOSE TRAY- To switch to DVD mode, or open/close tray.

2.YPbPr/DIGITAL INPUT- Cycles though YPbPr 1(w/coaxal audio), YPbPr 2(w/ optical audio), Coaxal audio only, and Optical audio only.

3.OTHER INPUTS-Cycles though 5 different inputs: DVD/USB/CARD, iPod, AM/FM, Front AUX, AUX 1, and AUX 2.

4.MUSIC MENU-Press this button to switch between BASS volume, TREBLE volume, SUB WOOFER and Sound Channel selection amount 2.1 Ch, 5.1 Ch and Bypass setting, Press this button and use + & - buttons to adjust value.

5.MIC MENU- To set up 8 different Microphone dffects(see P.19 for detail), press this button and use + & - buttons to adjust the volume. This function only work when Microphone input is found.

6.KEY CONTROL- To transposes the music key while playing Karaoke disc.

7.MENU/PBC- In DVD mode, use this button to return main menu. While playing music or CDG disc, this button will show the list of the songs and also shows the song playback setup.

8.ENTER-To confirm the commend.

9.DIRECTION KEY-Use this key for navigation function.

10.RETURN-Return to previous step.

11.NEXT/CHANNEL+(RADIO)- To go to the beginning of th next track in DVD mode. or tunning up the radio frequence in Radio mode.

12.PREVIOUS/CHANNEL-(RADIO)-To go to the beginning of th previous track in DVD mode. or tunning down the radio frequence in Radio mode.

13.FAST BACKWARD/TUNING-(RADIO)-To shift the playing location backwards quickly.

14.FAST FORWARD/TUNING+(RADIO)-To shift the playing location forwards quickly.

15.MAIN VOLUME ADJUST- To turn up or down the music volume

16.MUTE-To turn the sound ON or OFF.

17.NUMBER BUTTON-Used to input selections for track selection or programming purpose.

18.ANGLE(DVD)/AUTO(RADIO)-To Select view for multi-angle in DVD mode, or auto scan channels in Radio mode.

19.REPEAT(DVD)/AM/FM(RADIO)-To enable or disable the repeat function in DVD mode, or switch between AM and FM in Radio mode.

20.AUDIO(DVD)/MEMORY(AUDIO)-To switch languages in DVD mode, or Memorize the channel in Radio mode.

21.USB/CARD(DVD)- To switch amount Disc, Card, and USB port.

22.ZOOM(DVD)/STEREO/MONO(TUNER)- Zoom in/out function in DVD mode.

23.SUBTITLE(DVD)-To switch subtitle in DVD mode(See also P.13)

24.DIR/TIME(DVD)-To show DIR/TIME information in DVD mode.

25.MIC VOLUME ADJUST-To adjust microphone volume

26.STOP-To stop a playback

27.PLAY/PAUSE-To begin disc playback or pause.

29.SETUP-To enter/exit machine set up mode.

30.MULTIPLEX-To switch between Left mono, the right mono, or stereo sounds. Used to turn vocal on./off on multiplied CD+G or VCD disc.

31.MULTI ADJUST-Use to change the settings in MIC MENU and MUSIC MENU.

32.BLUETOOTH- To enable/disable bluetooth function(See also P.20).

33.HDMI INPUT-Cycles amount different HDMI inputs.

INFRARED REMOTE CONTROL RECEIVER

5m

30° 30°

INFRARED REMOTE CONTROL UNIT
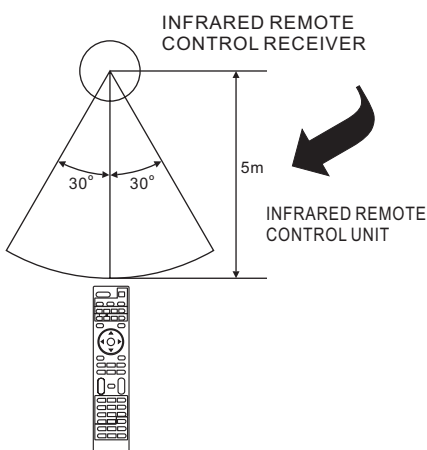
REMOTE CONTROL OPERATING CONDITION:

- If the remote control is conflicting with other devices, the operation will be affected, but not the unit.
- Do not press simultaneously the button of the unit and the remote control.
- Avoid using two remote control at the same time, it will cause malfunction.
- Use only UM-4 ``AAA`` size battery, don`t mixed old battery with new one.
- In case the battery leaks, clean thoroughly before replacing with new one.
- Do not short two terminals of the battery, dispose old batterise to proper place.

4

3. Preparation

3.1 Accessories

Remote Control   1 pc
Antenna   1 pc
Operating Instruction   1 pc
Power wire   1 pc

(Check contents after opening)
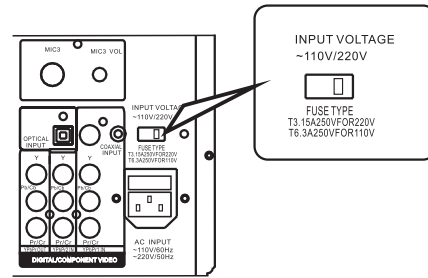
NOTE:
1. Put the lead attachment plug into the socket of INPUT VOLTAGE, and ensure it is insert tight.
2. The consumption voltage of local factory setting is 110 V/60Hz. If need to exchange to 220 V/50Hz, please pull out a switch till 220 V. Don＊t touch this switch to avoid damaging the machine if it doesn't need to switch the voltage.
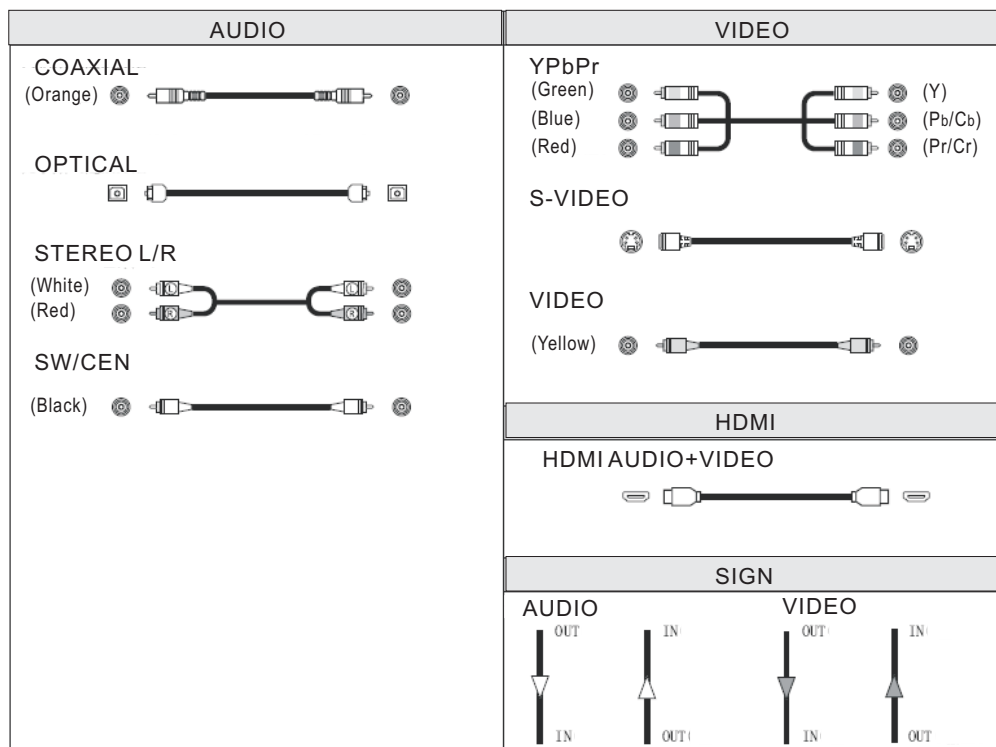
3.2 Battery installation of remote controller

Place two AA batteries in the battery compartment. Be sure the polarities are correct.
There should be no large obstacles between the remote controller and the main unit.
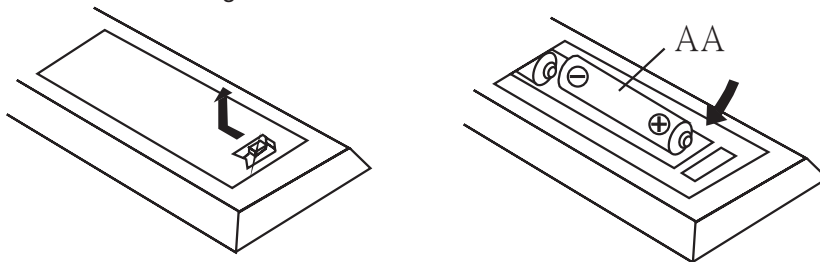
3.3 Connection Cable

1. When making connection between this unit and other components, be sure all connection with power-off.
2. Audio/Video cables are connected according to the different color identification and they should be fitted firmly.

AUDIO	VIDEO
COAXIAL (Orange)	YPbPr (Green) (Blue) (Red) — (Y) (Pb/Cb) (Pr/Cr)
OPTICAL	S-VIDEO
STEREO L/R (White) (Red)	VIDEO (Yellow)
SW/CEN (Black)	

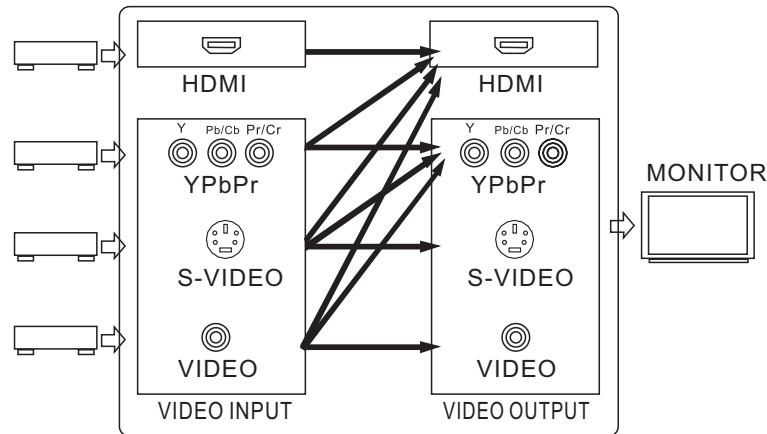| HDMI |
|---|
| HDMI AUDIO+VIDEO |

SIGN
AUDIO   VIDEO

5

3.4 VIDEO Upconversion Chart

This feature will automatically transfer all formats of video signal into the formats that output the video signal of DKR-510 to monitor.
Four types of video signal for the video input / output circuit of DKR-510
Digital video signal: HDMI
Analog video signal: Component video, S-video and video

Please connect the monitor output by the types of terminal as the same as video input terminal when disuse this function.
HDMI signals can not be switched to analog signals.
The function of video switch may out of operate when input non-standard video signals from game player or the other audio sourcing.

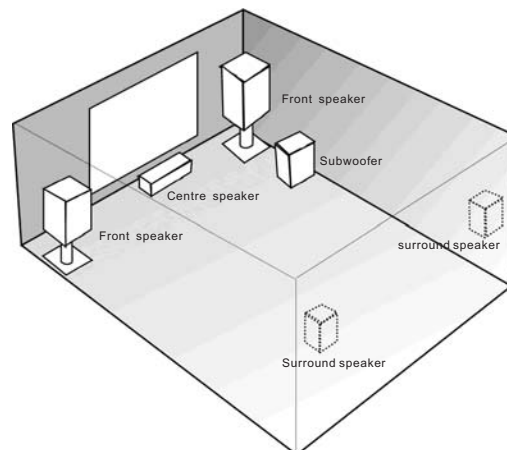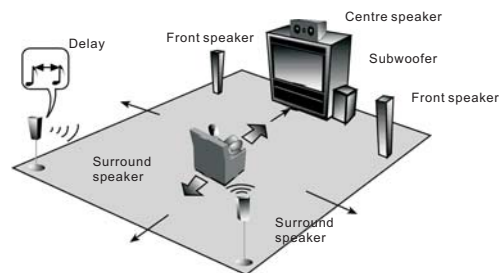## 4. Speakers connection

SET UP YOUR SPEAKER SYSTEM

six speakers system, you can have
a good sound field effect,   the rear
speakers provide widely diffused sound,
Center speaker use for dialogue environment.

If you want to feel low frequency effect
and vibrant atmosphere, sub woofer
is essential.

PLACE OF SPEAKERS

Main speakers can put on the usual
position.
Centre speaker in the central
position should upper or lower
than TV screen to avoid magnet
influence, or use magnet proof
speakers. The place of subwoofer
is not so critical because low
frequency without highly directional.
Rear surround speakers,
which behind your listening position,
should be nearly 2 meters up the floor.

SPEAKER CHOICE

Speaker should be powerful enough.
Main speaker , Centre and surround speaker impedance all should be 8.
Subwoofer impedance should be 6Ω.

6

Connection diagram of DKR-510 to 5.1 chanal speakers

Please check and connect to the LEFT / RIGHT channel and positive (red) and negative (black)
of DKR-510. Make sure the connection of channel and the two poles are correct.
Don't touch the speaker terminals to avoid electric shocks when the power is on.

Surround Left

Front Left

Center

Front Right

Surround Right

Sub Woofer

7
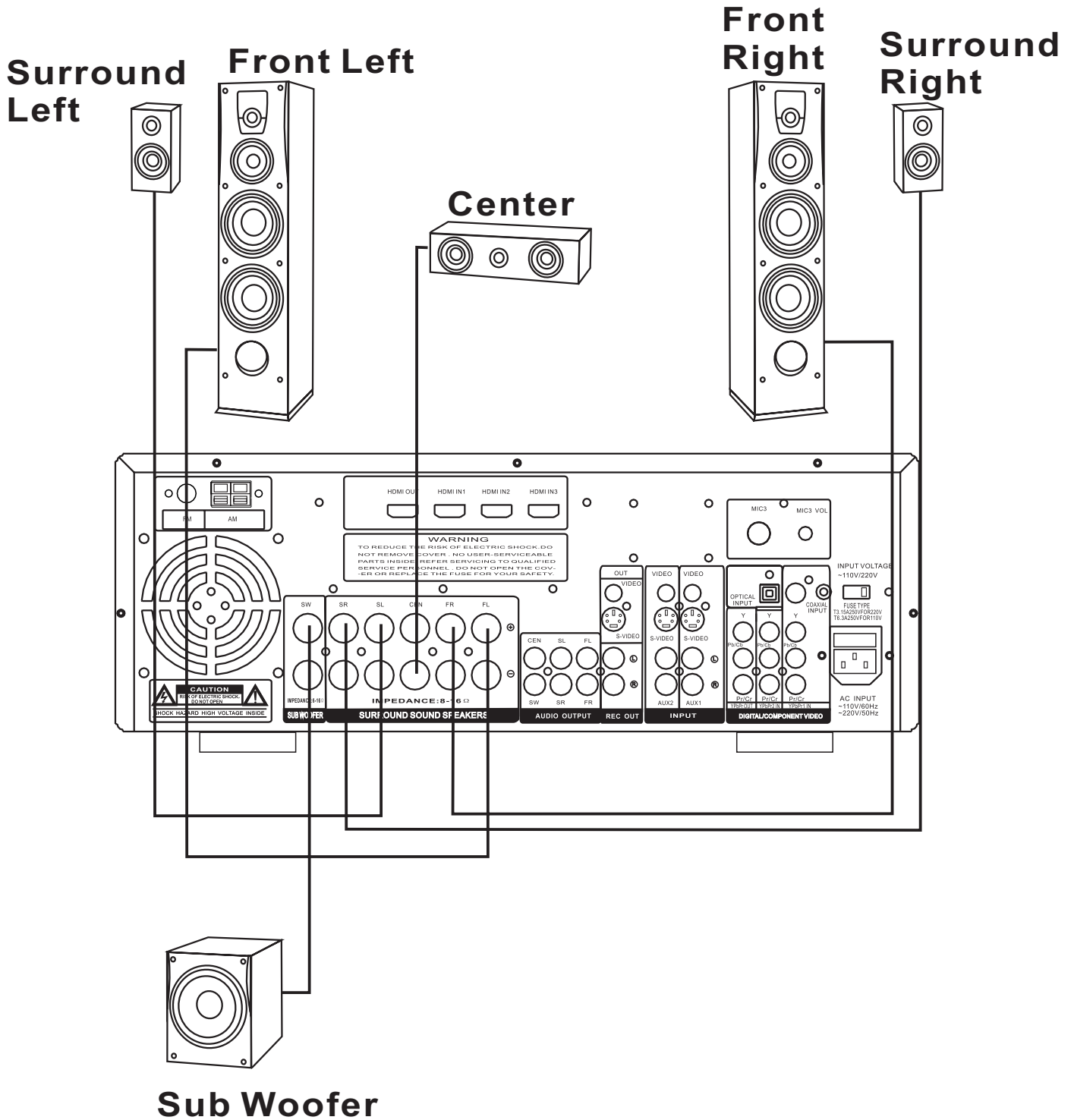
5.Audio & Video Connection

5.1 HDMI connection
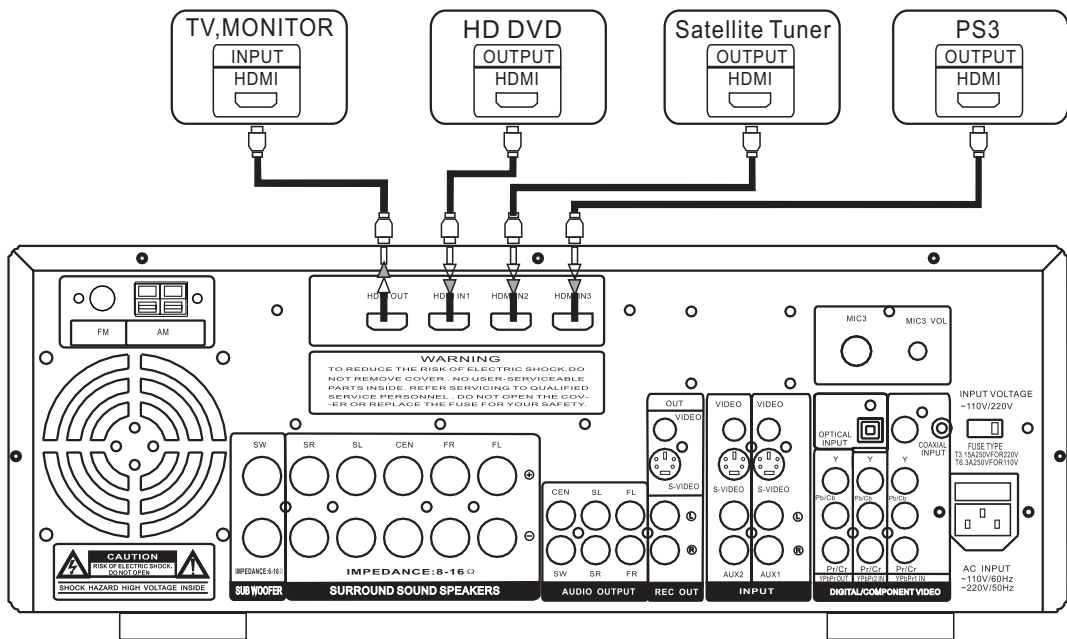
5.2 External DVD/VCR/HDP/AUX connection

8

5.3 Connect to a DVD Recorder

5.4 Connect to a TV monitor

9

5.5 Hooking up a AV Amplifier

5.6 Connecting AM/FM Antennas

10

6. Amplifier Function

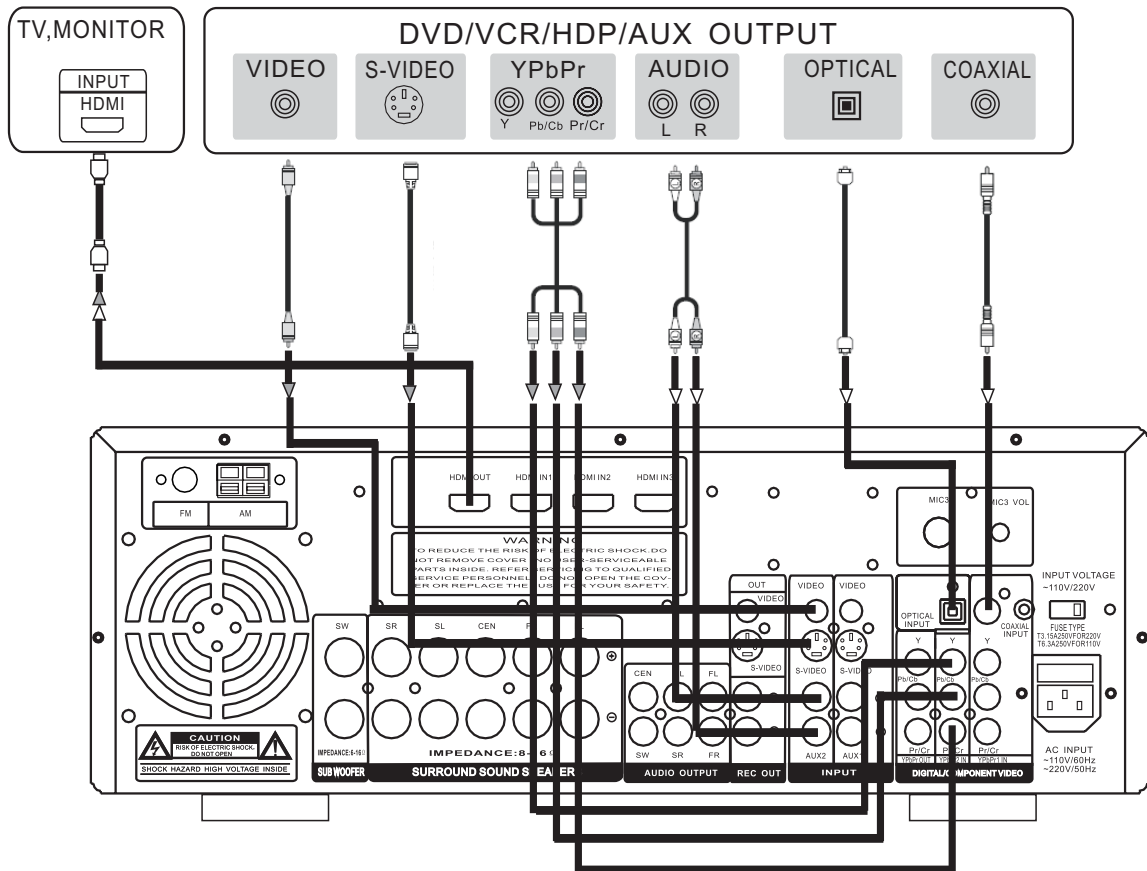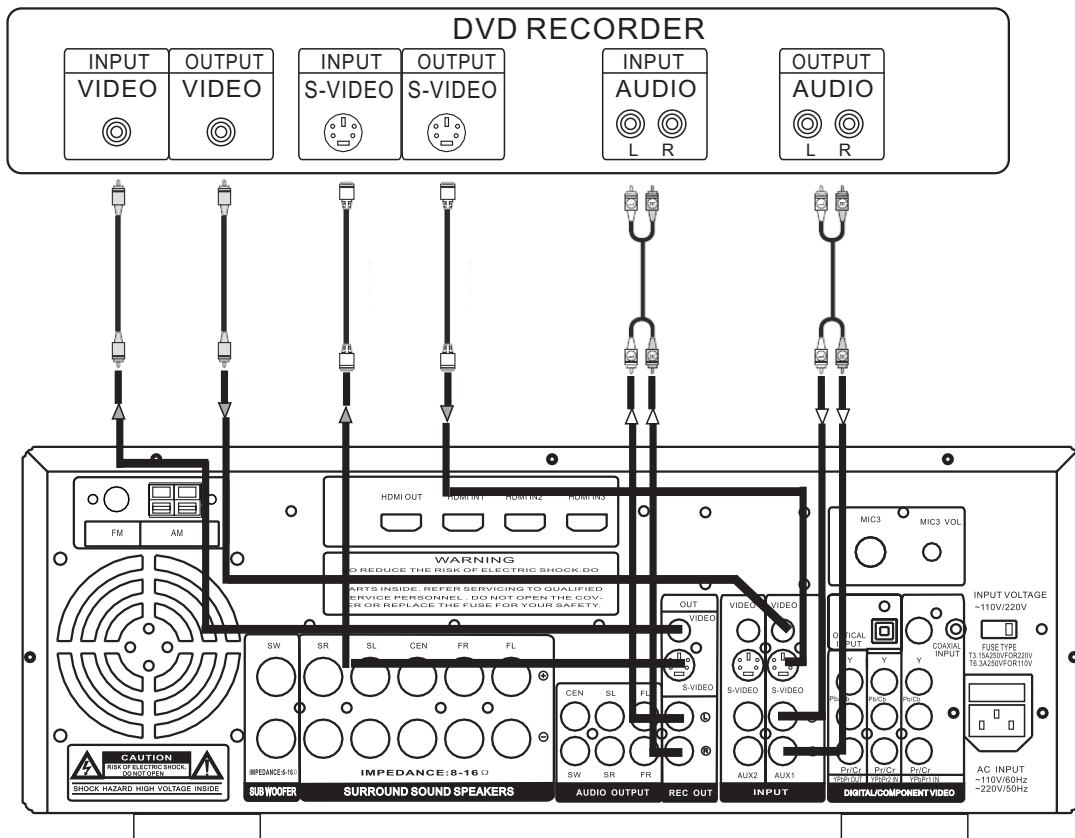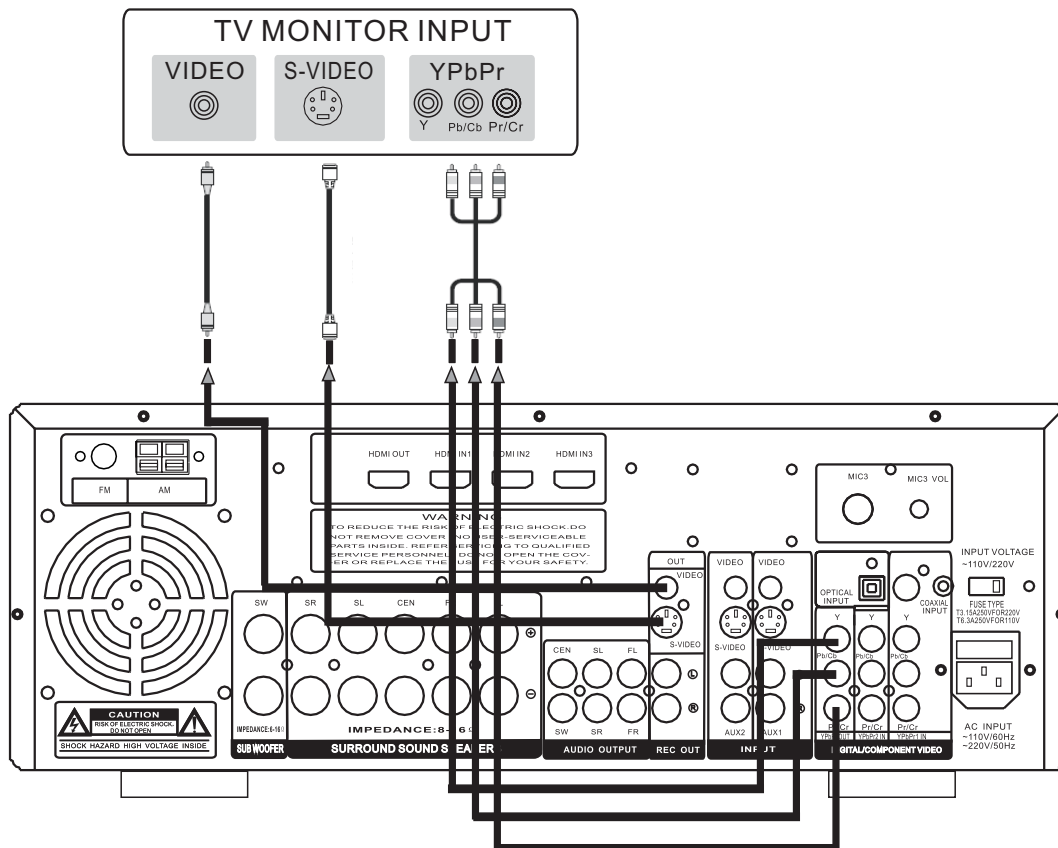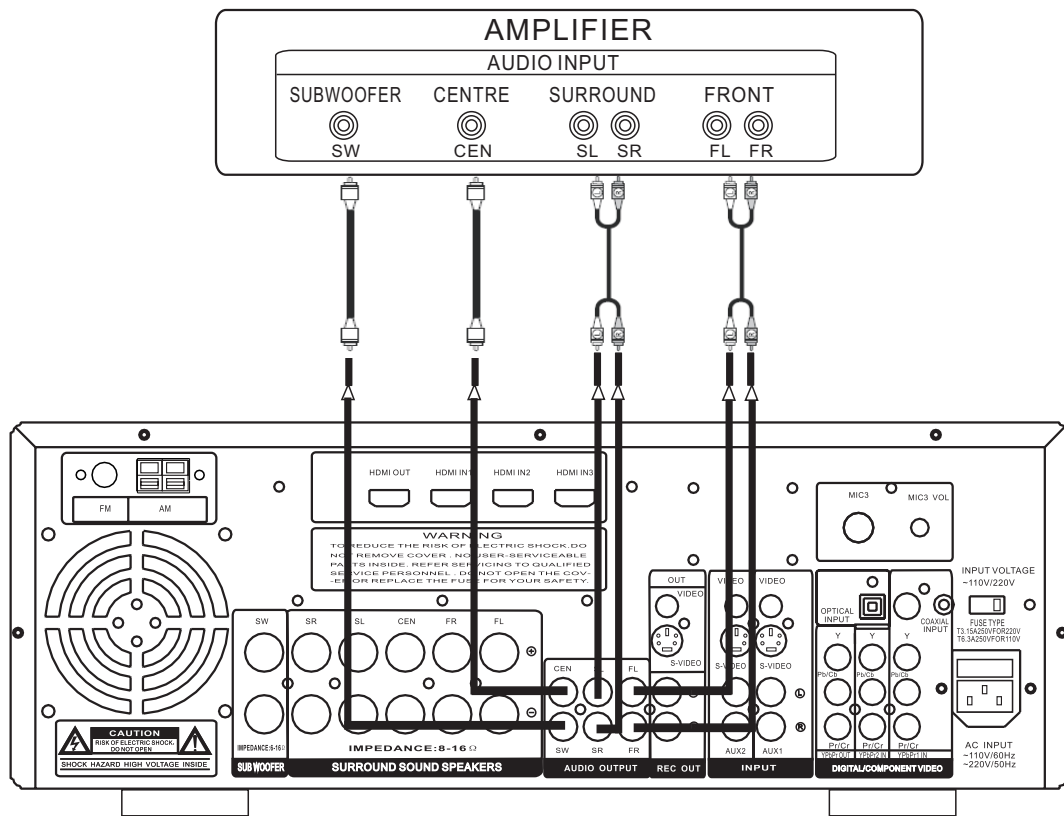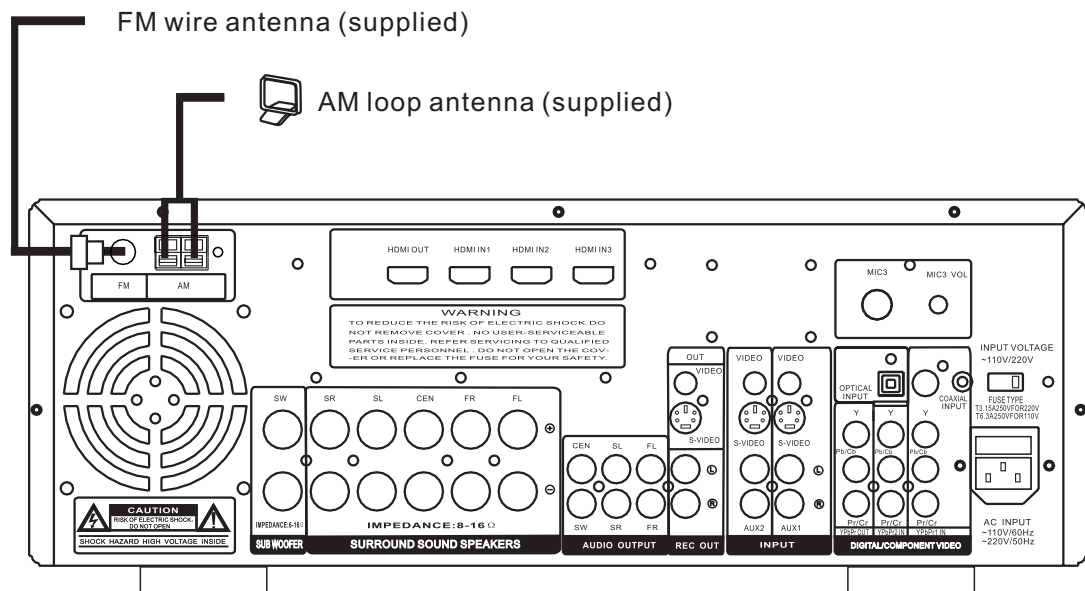1. Be sure cut off power, connecting source outputs with corresponded input jacks.
2. Turn on the power, waiting 3-4 seconds till the speakers function connected.
3. Input select

    Select audio source by press the key INPUT on the front panel, then adjust the knob MIC VOL/ADJUST.

    Total 14 Inputs:

    HDMI1, HDMI2, HDMI3, COAXIAL, OPTICAL, Ipod, BLUETOOTH, RADIO, YPBPR1, YPBPR2, FRONT AUX, AUX1, AUX2, DVD

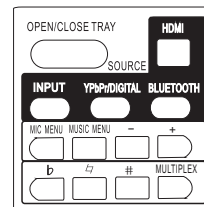INPUT   MIC VOL / ADJUST
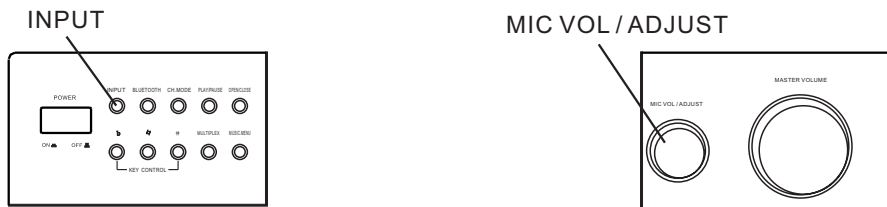
You can also use the source buttons on the remote control.
HDMI: HDMI1, HDMI2, HDMI3
INPUT: Ipod, RADIO, FRONT AUX, AUX1, AUX2, DVD
YPbPr/DIGITAL: YPBPR1, YPBPR2, COAXIAL, OPTICAL
BLUETOOTH

4. Adjust the knob MASTER VOLUME on the front panel or the key VOL+/VOL- on the remote control to adjust the setting of main volume control to your listening level.
5. Press the key CH.MODE on the front panel or MUSIC MENU on the remote control to display CH MODE then press -/+ to select channel mode.

    Three channel mode: Bypass, 2.1 CH, 5.1 CH.

    When you set on Bypass, only the volume can be adjusted.

    When you set on 5.1 Channel, the light 5.1CH on.
6. Press the key MUSIC MENU on the front panel to display SL VOL, SR VOL, CTR VOL, SUB VOL, then adjust the knob MIC VOL/ADJUST, to change surround speakers, centre speaker and subwoofer volume.

    Press the key MUSIC MENU on the remote control to display SL VOL, SR VOL, CTR VOL, SUB VOL, then press the keys -/+ to change surround speakers, centre speaker and subwoofer volume.
7. Press the key MUSIC MENU on the front panel to display TREBLE, then adjust the knob MIC VOL/ADJUST, to increase or decrease music treble effect.

    Press the key MUSIC .MENU on the remote control to to display TREBLE, then press the keys -/+ to increase or decrease music treble effect.
8. Press the key MUSIC MENU on the front panel to display BASS, then adjust the knob MIC VOL/ADJUST, to increase or decrease music bass effect.

    Press the key MUSIC MENU on the remote control to to display BASS, then press the keys -/+ to increase or decrease music bass effect.
9. DSP MODE

    Swith channel to 5.1 Channel.

    Press the key MUSIC MENU on the front panel to display DSP, then adjust the knob MIC VOL/ADJUST, to select the DSP mode.

    Press the key MUSIC MENU on the remote control to to display DSP, then press the keys -/+ to select the DSP mode.

    DSP Mode: HOUSE, ROCK, CLASSIC, SIMULATE, DISCO, HALL, DSP OFF.
10. Press the MUTE key on the remote control to mute, press it again to reset, or adjust the knob MASTER VOLUME to reset.
11. Press the three keys ˈPLAY/PAUSEˈ,ˈ0ˈ,ˈ10+ˈ one by one, to reset the system.

11

7. Disc Player Function
## 7.1 Disc Player Basic operation

Once all the connections and settings have been done, the unit is ready for normal use. Prior to playback, make sure the following operations have been carried out.

1. Switch on TV and select AV mode. If it's S-Video connect select S-Video mode.
2. Select DVD input,

Step 1: DISC LOADING shown on screen:

POWER

Loading…

If there is no disc, NO DISC shown on screen:

No disc
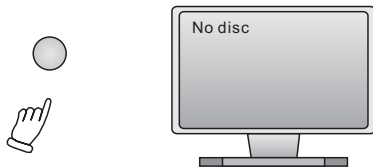
Step 2: Press OPEN/CLOSE key, the tray comes out automatically.
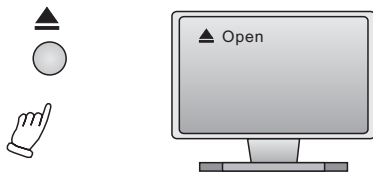
⏏ Open

Step 3: Place disc on the tray, press OPEN/CLOSE key to close the tray, the disc type will be shown on the up-left corner of the screen as well as shown on VFD screen.

Once it's read the disc, this machine will start playing automatically.
If it is a DVD, the machine will show the DVD menu or title menu.
If it is a CD ,this machine will start playing in the sequence.

PLAY
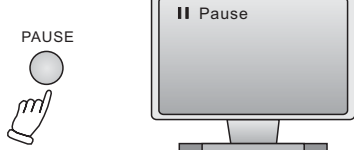
► Play

Press PAUSE key:

PAUSE

❚❚ Pause

Press PREV key:

PREV

⏮ Prev

Press NEXT key:

NEXT

⏭ Next

Press FORWARD key to get 2X, 4X ,8X, 16X, normal play circular fast forward function of DVD disc playing.
Press FORWARD key to get 2X, 4X, 8X, 16X, normal play circular fast forward function of other type of disc playing.

FORWARD

▶▶ X2
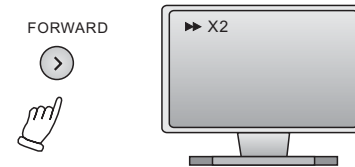
Press BACKWARD key to get 2X,4X, 8X, 16X, normal play circular fast reverse function of DVD disc playing.
Press BACKWARD key to get 2X, 4X, 8X, 16X, normal play circular fast reverse function of other disc playing.

BACKWARD

◀◀ X2

Press STOP key to enable Memory stop.
Press play to execute Memory stop.
Press STOP key twice to stop playback.

STOP

■ STOP

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7.2. DVD Function

7.2.1 Title

Press TITLE key to get title menu.
(This operation works only for the disc with multi title encoded).

7.2.2 Menu

Press MENU key to return to main menu for DVD disc playing.

7.2.3 Direction key

During playing discs, the four direction keys enable you to select at your option in title, menu or setup.

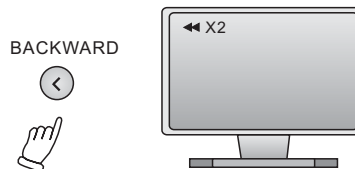### 7.2.4 Number key

Press relevant number key for direct access according to picture titles.

7.2.5 Subtitle

This function may enable you to select multi subtitle languages (as many as 32 kinds and only for the disc with multi subtitle encoded). Press SUBTITLE key to get desired display.

For example, to select language 2 English from 8 options.

SUBTITLE

02/08 English

Off
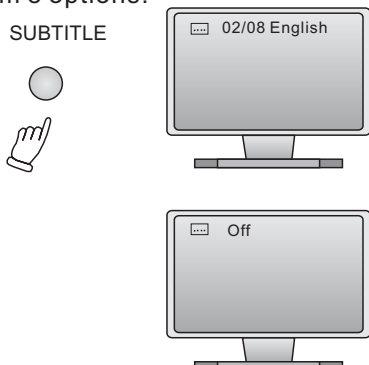
7.2.6 Time

When playing a DVD, press TIME key. The following will be displayed:
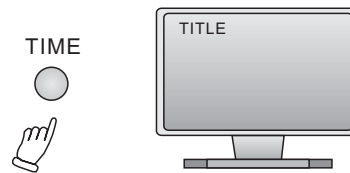
TIME

TITLE

Press UP or DOWN key to select title and chapter. Select direct time by pressing number in subtitle chapter, then press play key.

In the condition of SVCD, VCD disc in PBC OFF:

TIME

Track

Time

Disc Time
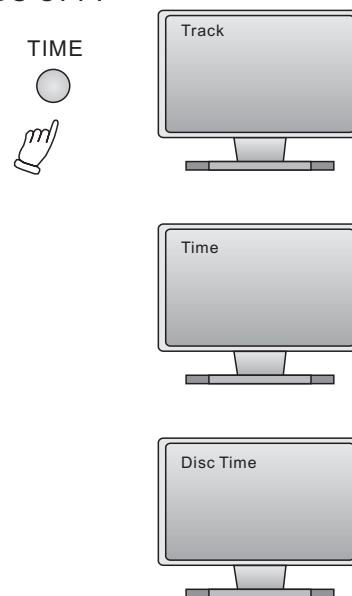
You may press the numbered buttons to enter the desired playing time.
For example 55:50,stands for 55 minutes and 50 seconds.

7.2.7 PBC play

In the PBC ON mode, song selection can only be done from the main menu.

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7.2..8 Repeat

In DVD mode, press REPEAT key. The following will be displayed:

REPEAT

Repeat Chapter

Chapter repeat on
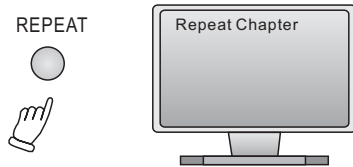
REPEAT

Repeat Title

Title repeat on

REPEAT

Repeat Off

Repeat off

In SVCD/VCD mode, press PBC key to get PBC off, then press REPEAT key. The following will be displayed:

REPEAT

Repeat Single

Repeat single

REPEAT
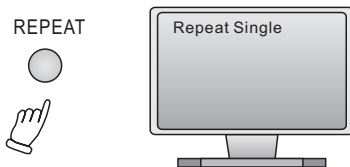
Repeat All
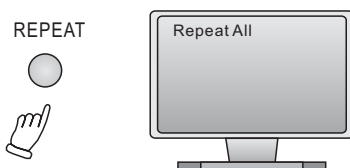
Repeat all

REPEAT

Repeat Off

Repeat off

7.2.9 Angle

During a sport match, concert or theatrical program, press ANGLE key continually on remote controller to select various angles to view the same image
(This operation works only for the disc with multi angle encoded).

Angle

2/2
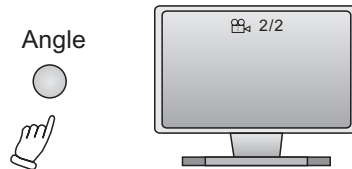
7.2.10 ZOOM

The picture may be enlarged by up to 4 times to facilitate you to enjoy a particular action or still picture. Press this button 4 times, the zoom scales will be Q1, Q2, Q3, Q Off respectively.

7.2.11 AUDIO

When play VCD,SVCD disc, and SL speaker, SR speaker, centre speaker be set NONE, press AUDIO to select left vocal , right vocal, mix vocal or stereo vocal.

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7.3 Setting of the Disc Play

Press the SETUP button on the remote controller, the SETUP MENU (main) will be displayed.

1. After accessing the SETUP Menu, press the direction buttons for up and down movement to select an item desired, then press the PLAY button to confirm your entry and move to the sub-menu. Use the left and right direction buttons to move the pointer, and the up and down direction buttons to select the option desired. Also, press the PLAY button to confirm your selection. Now, setup of this current function is completed.

2. To end the setup, press the SETUP button again. In the SETUP MENU, you may choose any of the following options as you like.

7.3.1.Language setting

Language	OSD Language : English
Video	Subtitle : English
	Divx subtitle: western European
Audio	Audio : English
Rating	DVD menu : English
Misc	

The user may use this item to set the language of screen display, subtitle, audio, DVD menu to English.

7.3.2.Video

Language	Aspect Ratio : 4:3
Video	View Mode : Auto Fit
	TV System : PAL
Audio	Video out : HD
Rating	HD Jpeg Mode :On
Misc	
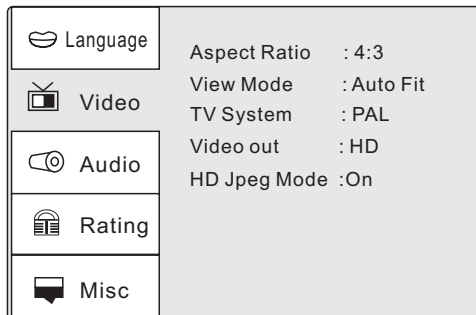
Video setup includes: aspect ratio, view mode, TV system, video out, Brightness, Sharpness, HD Resolution and HD Jpeg Mode.

Aspect Ratio

Follow the operation instructions stated in ※Video in combination with desired option in the following figure.
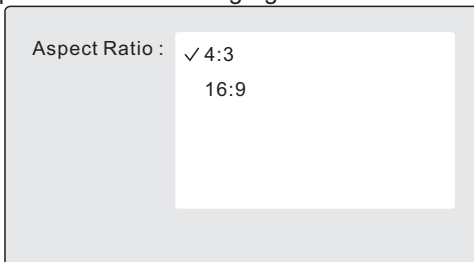
Aspect Ratio : ✓4:3
16:9

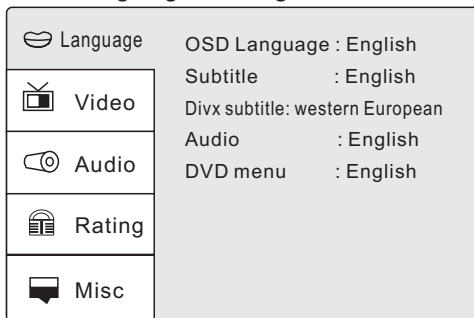The user may use this item to select aspect ratio 4:3 or 16:9.

Note:

1). Irrespective of what screen format you have selected, if your screen displays in 4:3 format, the picture will be shown in that format anyway.

2). For DVDs, the screen format is convertible.

3). If your screen displays in 4:3 format, when a DVD with 16:9 display format is used, the picture will be flattened.

TV screen / Film format	4:3			16:9
	Normal	Full view	Mailbox	Wide screen
4:3				
16:9				

View Mode

Follow the operation instructions stated in ※Video in combination with desired option in the following figure.

View Mode:
Fill
Original
✓ Auto Fit
Pan Scan
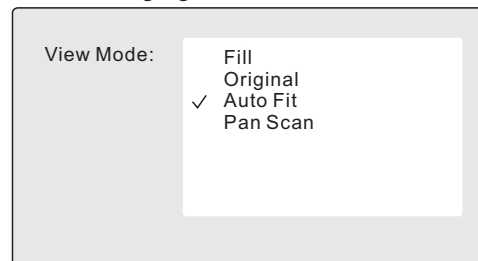
Select view mode : Fill, Original, Auto Fit, Pan Scan.

TV System

Follow the operation instructions stated in ※Video in combination with desired option in the following figure.

TV System:
NTSC
✓ PAL
Auto
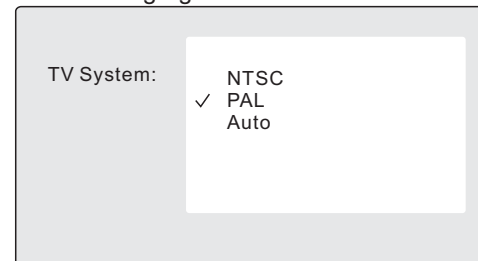
The user may select the TV system : PAL, NTSC, or Auto.

Video Out

Follow the operation instructions stated in ※Video in combination with desired option in the following figure.

Video out:
S-Video
Component
P-Scan
✓ HD
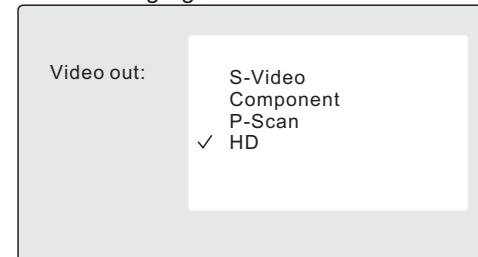
The user may select the Video out : S-Video, Component, P-Scan, HD..

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HD Resolution

Follow the operation instructions stated in ※Video in combination with desired option in the following figure.

🗩 Language	Aspect Ratio : 4:3
🖳 Video	View Mode : Auto Fit
	TV System
🔊 Audio	Video out ✓ Auto
	Brightness 480p/576p
🏛 Rating	Sharpness 720p
	HD Resolution 1080i
🖵 Misc	HD Jpeg Mode 1080p
	1024x768
	1360x768

The user may select the HD Rsolution: Auto , 480p/576p, 720p, 1080i, 1080p, 1024x768, 1360x768.
Relevant information :what is HDMI

The High-Definition Multimedia Interface (HDMI) is a compact audio/video connector interface for transmitting uncompressed digital streams. It represents a digital alternative to consumer analog standards such as Radio Frequency (RF) coaxial cable, composite video, S-Video, SCART, component video, D-Terminal, and VGA.

HDMI connects digital audio/video sources such as set-top boxes, Blu-ray Disc players, personal computers, video game consoles, and AV receivers to compatible digital audio devices, video monitors, and digital televisions (DTV). The world's first HDMI products started shipping in the fall of 2003 and currently over 800 CE and PC companies have adopted the HDMI specification (HDMI Adopters). HDMI began to appear on consumer HDTV camcorders and expensive digital still cameras in 2006. Shipments of HDMI are expected to exceed that of Digital Visual Interface (DVI) in 2008, driven primarily by the Consumer Electronics (CE) Market.

7.3.3. Audio

🗩 Language	
🖳 Video	Bass management: on
	Front Speakers : Large
	Center Speaker : Large
🔊 Audio	Surround Speaker: Large
	Subwoofer : Present
	Test tones : off
🏛 Rating	Center Delay : No Delay
	Surr. Delay : No Delay
🖵 Misc	Digital Output : RAW

This submenu options include Bass management, Front, Center, Surround, Subwoofer, Test tones, Delay, or Digital output.
This setting is suitable for films. If you only need two channels to enjoy music, it ※s recommended to select the 2nd option. Where 5.1 theatre sound is available, the 4rd option is recommended.

Bass Management

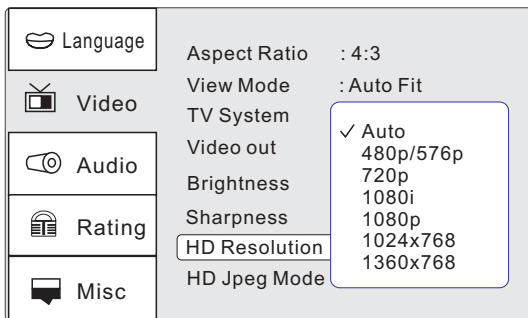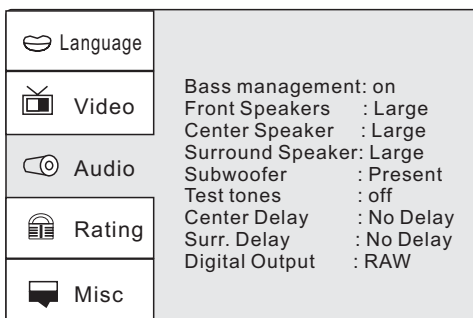Follow the operation instructions stated in ※Audio in combination with desired option in the following figure.

Bass Management

    off
    ✓ on

Bass management is set OFF or ON.

Front Speakers

Follow the operation instructions stated in ※Audio in combination with desired option in the following figure.

Front Speakers

    ✓ Large
      Small

Front speaker is set to large or small.

When set centre, rear and subwoofer to※off and front to※Large Then front audio signal can be mixed from centre, rear and sub woofer speakers. Usually it is set to※Large.

Centre Speakers

Follow the operation instructions stated in ※Audio in combination with desired option in the following figure.

Centre Speakers

    ✓ Large
      Small
      None

Centrespeaker is set to large , small, or none.

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Surround Speakers

Follow the operation instructions stated in ※Audio in combination with desired option in the following figure.

```
Surround Speakers

        ✓ Large
          Small
          None
```

Surround speaker is set to large , small, or none.

Subwoofer Speakers

Follow the operation instructions stated in ※Audio in combination with desired option in the following figure.

```
Subwoofer

          None
        ✓ Present
```

Subwoofer is set to none or present.

Test Tones

Follow the operation instructions stated in ※Audio in combination with desired option in the following figure.

```
Test Tones
          ✓ Off
            Left
            Right
            Center
            Left.Surr
            Right.Surr
            Subwoofer
```
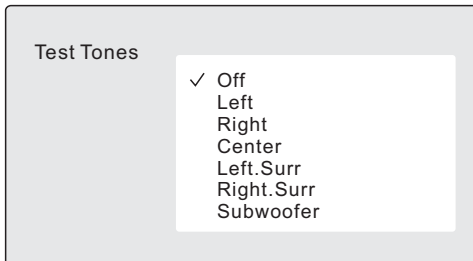
The user can select the test tones: off, left, right, center, left surround,right surround, or subwoofer.

Center Delay
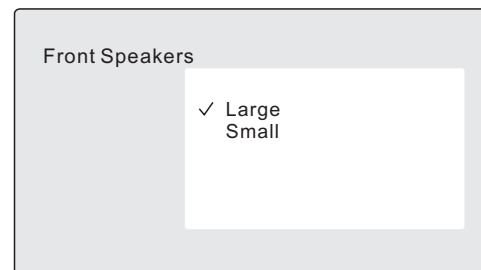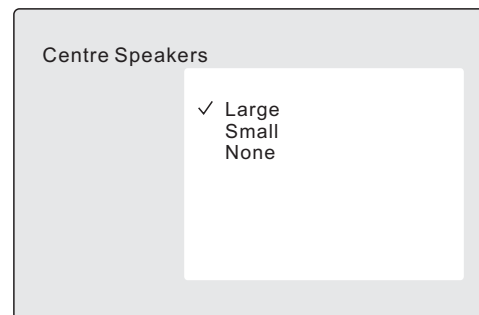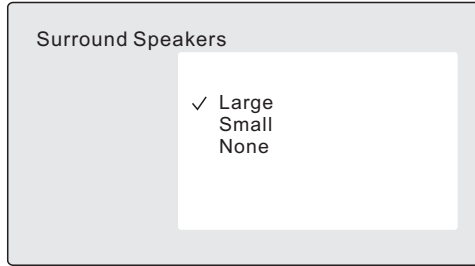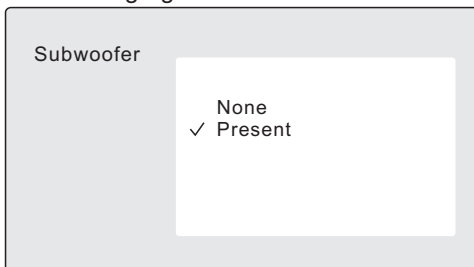
Follow the operation instructions stated in ※Audio in combination with desired option in the following figure.

```
Center Delay

        ✓ No Delay
          0.3m
          0.6m
          1m
          1.4m
          1.7m
```
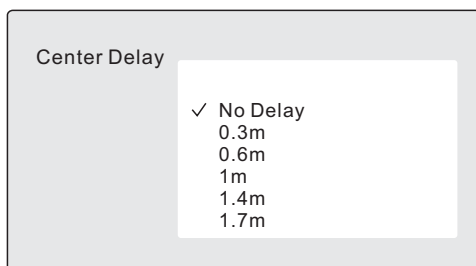
The user can select the center delay mode: no delay, 0.3m, 0.6m, 1m, 1.4m, or 1.7m.

Surr. Delay

Follow the operation instructions stated in ※Audio in combination with desired option in the following figure.

```
Surr. Delay
        ✓ No Delay
          1m,
          2m
          3m
          4m
          5.1m
```
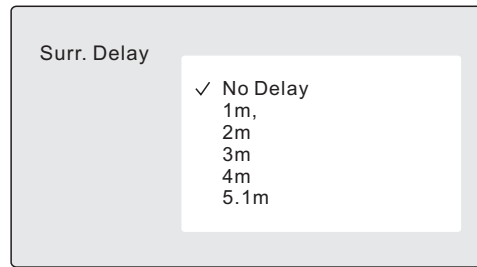
The user can select the surround delay mode: No delay, 1m, 2m, 3m, 4m, or 5.1m.

Digital Output

Follow the operation instructions stated in ※Audio in combination with desired option in the following figure.

```
Digital Output

          Off
          PCM
        ✓ RAW
```
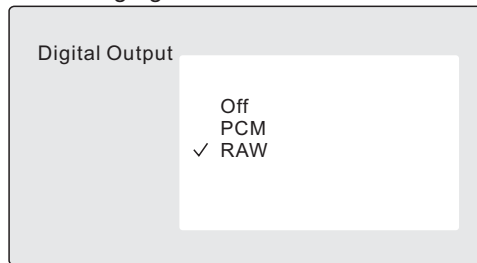
Digital output is set to off, PCM, or RAW.

7.3.4. Rating

```
⊖ Language
🖵 Video
◎ Audio          Parental Control : 8 Adult
🏛 Rating         Set  Password
🖵 Misc
```
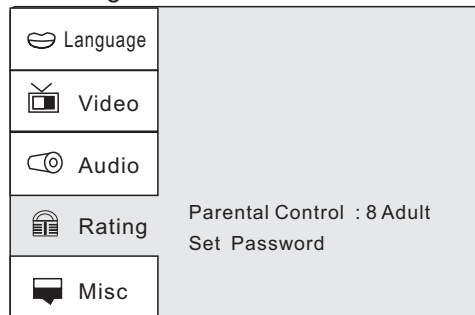
The user can set the rating. The password is 0000.

7.3.5. Misc

```
⊖ Language
🖵 Video
◎ Audio
🏛 Rating
                 [ Use Default Settings ]
🖵 Misc          Screen Saver: ON
```
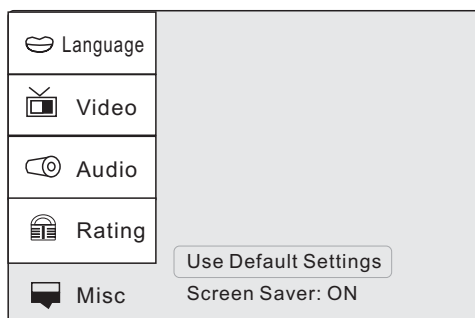
The user can set misc.

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8.Operation of Mp3 function

Mp3 is an audio compression mode using Level 3 of the international standard MPEG, whereby sound signal is compressed in a rate of 12:1 A Mp3 disc can record music for play of over 600 minutes or record over 170 songs, rivalrous CDs in sound quality.
To play a Mp3 disc

Select the track using numbered buttons

1. Follow the basic operating instructions to insert a Mp3 disc, this machine will start to search the information on the disc and show it in the display.
2. Press the number buttons to select the track number desired.
3. Press stop key then direction key to select other menu.

Repeat play

Using this function, the user will be able to enjoy a particular song or all the songs on the disc over and over again.
1. Choose a particular song to be repeated.
2. Press the REPEAT button to show※repeat one on the TV screen. The Screen will display as illustrated
3. Exit repeat play, the screen will display as illustrated.
4. Cancel the repeat function, folder will be on screen.

Others functions:

when a Mp3 disc is played, the features of mute, volume control, pause and forwards and backward search will also be available. The operations are the same with those of CDs.

9.JPEG

JPEG adopting the most efficient compression is widely used as picture storage type flattened and stored format.
Even if pictures are compressed 15-20 times. They still have good effect. Supported by most picture precessing software, fit for picture storage, it has small data and easy use. This machine can read JPEG format picture CD discs .

Press direct number key to select picture display.

1. Put in disc correctly ,the machine begins to search disc information.
2. Press number key to select picture.
3. It s efficient only in present picture when number key pressed .

Select to play by menu

1. Insert disc, machine searches disc information and main menu displays on screen. Press number key to select picture. Press play key to enter play mode
2. Press direction key to select picture then press. Play key.
3. In condition of stop. press direction key to select other pictures.
4. In condition of stop. Select the first line file item on the right. Then press play key, to return to upper menu.

10. Function of USB and card reader

3 In 1 Card Reader Function

This unit has a 3 in1 card jack, when select DVD input and stop disc play.Press the key CARD/USB to select CARD.You can insert (MMC,SD ,MS) three kinds of card with card port interface to play the mp3 music or MPEG4 movie and J-PEG files.All the functions are the same as when playing a disc.

USB interface

This unit has a USB jack, when select DVD input and stop disc play.Press the key CARD/USB to select USB. You can insert a USB DISC or a Mp3 Player with USB Interface to play the Mp3 music or and JPEG files.   All the function is the same to play a disc.
NOTE:
When using USB function. Please do not insert in the wrong direction, or it will be corrupted.
When using CARD/USB function. It is preferable if it is on 5.1Channel MODE.

11. Function of iPOD docking

This unit has an iPOD docking station,You can insert iPOD to play the music or movie and other files.
Select iPOD input function.
Press the key PLAY/PAUSE on the front panel or on the remote controller, to play and pause.
Press the key PREV on the front panel or on the remote controller, to play form previous music.
Press the key NEXT on the front panel or on the remote controller, to play form next music.

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12.RADIO application

1. Before using radio function, you must attach the supplied antenna. Adjust the antenna to obtain optimum reception.

   Select "RADIO input function.

2. Press AM/FM button on the front panel or on the remote control, to select AM band or FM band.

3. Press the keys CH+/CH- on the remote control, you can find out the radio bands you've memorized before.

4. Press the keys TUNING+/TUING- on the remote control, you can adjust the radio frequency by hand.

5. Press the key AUTO on the remote control, the machine can scan radio channel from low-frequency to high-frequency by itself, and memorize the channels one by one.

6. Press the key MEMORY on the remote control, it can memorize the current radio frequency in the band, the machine can memorize at most 40 FM radio bands and 20 AM radio bands.

7. Choice FM band.
   Press the key STEREO/MONO on the remote control, to select stereo or mono.

13. KARAOKE function

1. The machine can auto detect whether MIC1 or MIC2 being inserted. Please turn off microphone volume and adjust the volume gradually after inserting microphone.
   There is MIC3 jack on the rear panel. You can adjust the knob MIC3 VOL on the rear panel to change the MIC3 volume.

2. Adjust the knob MIC VOL/ADJUST on the front panel, or press the keys MIC VOL+/MIC VOL- on the remote control to change microphone 1&2 volume.
   Press the key MIC1/MIC2 VOL on the front panel, then adjust the knob MIC VOL/ADJUST to change microphone 1 or microphone 2 volume dividually.
   Press the key MIC MENU on the remote control to display MIC1 VOL or MIC2 VOL, then press the keys -/+, to change microphone 1 or microphone 2 volume dividually.

3. Press the key MIC DELAY/REPEAT/ECHO on the front panel to display ECHO DELAY /ECHO REPEAT/ECHO VOLUME, then adjust the knob MIC VOL/ADJUST, to change microphone ECHO DELAY/ECHO REPEAT/ECHO VOLUME effect.
   Or press the key MIC MENU on the remote control, to select ECHO DELAY /ECHO REPEAT/ECHO VOLUME, then press the keys -/+,to change microphone ECHO DELAY/ECHO REPEAT/ECHO VOLUME effect.

4. Adjust the knobs MIC TREBLE or MIC BASS on the front panel, to change microphone tone.

5. KEY Control BUTTON
. Upward key transpose '#' (display +1 to +6)
  By pressing the button '#', a higher key than the standard key can be set in tone steps.

. Downward key transpose 'b' (-1 to -6)
  By pressing the button 'b', a lower key than the standard key can be set in tone steps.

. The key ♩ is reset automatically to the standard key every time that a music has been played.

6. Multiplex function
   When this button is pressed during playing a digital Multiplex audio disc, the Left channel audio is muted, display MONO R.
   Second press the Right channel audio is muted, display MONO L.
   Third press reset to the stereo state, display STEREO.

7. MIC MENU
   Press the key MIC MENU on the front panel the adjust the knob MIC VOL/ADJUST, or press the key MIC MENU on the remote control, you can select microphone menu to adjust

   DIR VOL: DIRECT SOUND(ECHO OFF) VOLUME
   REV TIME: REVERB TIMING
   REV LPF: REVERB LOW FREQUENCY FILTER
   REV VOL: REVERB VOLUME
   MIX DLY: ECHO DELAY
   MIX RPT: ECHO REPEAT
   MIX LPF: ECHO LOW FREQUENCY FILTER
   MIX VOL: ECHO VOLUME
Note:
Please don't touch the top of microphone when singing to avoid howling effect.
Please adjust the microphone volume gradually to avoid howling effect.

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14. BLUETOOTH function

1. Note : Please check your devices .BLUTOOTH A2DP profile should be adopted . If you are not sure of that , please consult your BLUTOOTH devices provider.

2. BLUTOOTH   devices:
  A. Mobile phone with BLUETOOTH A2DP profile.

Bluetooth
Mobile Phone

B. PC built-in BLUETOOTH network adapter with A2DP profile.

Bluetooth
Network Adapter

C. BLUETOOTH USB dongle for computer with A2DP profile.

Bluetooth
Dongle

3. Connect with BLUETOOTH A2DP Mobile phone.

a. Turn on BLUETOOTH function .

b. Select BLUETOOTH device.

c. Press BLUETOOTH key on the DKR-510
   front panel or remote control to display ON.

Note:
This operating is needed only at the first pairing.
When pair again, it can be paired from phone directly.
If device is changed, This operating must be needed.

d. Add new BLUETOOTH device.

e. Searching for new device.
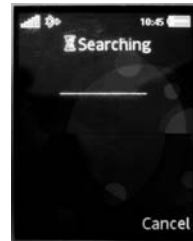
f. Mobile Hi-Fi is found.
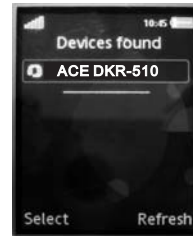
Note: The device name is ACE DKR-510.

g. Adding BLUETOOTH device.

h. Enter password : 0000
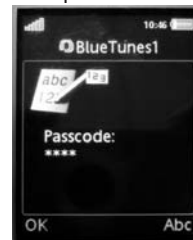
I.   Amplifier is added.
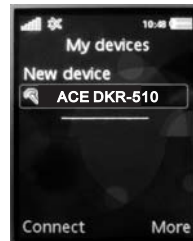
j. Connecting with Amplifier.

Note: Different Interface according to different Mobile phone.
An amplifier system can be connected with only one
BLUETOOTH device each time. Before searching for
a new device, please cancel the existing connection.

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k. Play Mp3 music ,Movie ,Game or TV program on your Mobile phone .

l. When a phonecall comes in , the Amplifier will pause the program automatically and be silent.
    When you finish your call or hang up the phone, Amplifier will play again automatically.

4. Connect with computer BLUETOOTH or USB dongle with A2DP profile.
        a. Setup BLUETOOTH driver on your computer.
        b. If using USB BLUETOOTH gongle , insert gongle first and run BLUE TOOTH program .
        c. If using built-in BLUETOOTH network ,turn on BLUETOOTH function and run BLUETOOTH program.

        d. Servce Personal networking is standby.
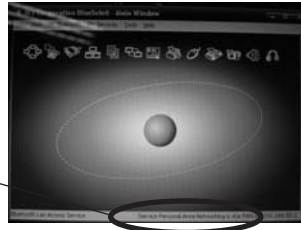
        e. Searching for new BLUETOOTH device.
            Service LAN Access is stared.

        f. Searching for devices

        g. BlueTunes1 is found.
            Note: Device name of **ACE DKR-510** .
            Device name search finish

    H. Press BLUETOOTH key on the DKR-510
        front panel or remote control to display ON.

        i. Pair Device.

        Note:
   This operating is needed only at the first pairing.
        When pair again, it can be paired from PC directly.
   If device is changed, This operating must be needed.

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j. Input password : 0000
   Note: Amplifier password is 0000.
   Press OK key, the blue light indicator(2)
   on the front panel will be blinking.
   And the red light indicator(3) will be
   turned off.

k. Device is paired.

l. Refresh Services
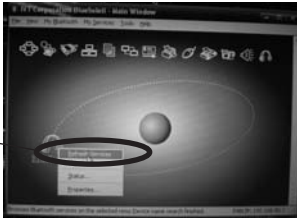
m. Service standby.

   Services Discovery finished

n. Connect with Amplifier.

   Connect

o. Connected .

p. Play Mp3 music ,Movie ,Game or TV program on your computer.
   Note: After BLUETOOTH is connected ,please close media player and replay the program.

Note: Different Interface according to driver program.

Note: A system can be connected with only one BLUETOOTH device each time.
      Before searching for a new device, please cancel the existing connection.

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15. Trouble shooting guide

Incorrect operations are often mistaken for trouble and malfunction. If you suspect that something is wrong with the unit, check the list below. Sometimes, the troubles lie within another component. Remember to try inspecting other component and electrical appliances in use. If the trouble can not be rectified even after exercising the steps list below, call Acesonic servic center +1(626)820-0670 to inquire about repairs.

Problem	Possible Cause	Suggested Solution
The display dose not light and no sound output	Power cord not plugged in securely	Check power cord & plug connection
Display lights but sound is not produced	Speaker connections not secure Volume control at minimum level Input incorrect	Connect securely Turn volume up Select the input to played mode
No sound from Center channel	Speaker connections not secure Center channel volume set to minimum	Connect securely Adjust Center channel volume control
Sound from one channel only	Speaker connections not secure Input/Output connections Left/Right balance off	Connect securely Connect securely Adjust balance control
Sound channel no sound	Speaker connections not secure Surround channel volume set to minimum	Connect securely Adjust Surround channel volume control
Instrument sound reversed in stereo playback	Incorrect speaker polarity Incorrect input polarity	Ensure+ and - connections are connections Ensure+ and - connections are connections
Card does not play	Loaded incorrect	Make the card is loaded correctly
Disc does not play	Loaded incorrect Disc is not clean	Make the card is loaded correctly Change the disc
No picture	TV/Monitor connections not secure	Connect securely
Bluetooth un-connect	Bluetooth device is too far from the system Bluetooth function is turn off No A2DP profile is built in the device Other Bluetooth device is connected Pairing the incorrect password	Distance up to 10m Press the key BLUETOOTH with A2DP Profile Connect the playing device Pairing the correct password
Bluetooth connect but silent	Media player is off Media player playing without sound card	Media player is on Media player playing with sound card
Receiver dose not operate correctly with Remote	Batteries dead Batteries inserted incorrectly Remote too far from receiver Obstacle between remote and receiver Incorrect button being used	Replace batteries Check are correct Use closer Remove obstacle Use correct button

Caution:

Abnormal activity of this unit can be caused by static electricity, or other external interference. To restore normal operation, unplug the AC power cord and plug it in again.

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16.Technical Specification

Model	DKR-510
Play mode	NTSC/PAL/AUTO
Disc mode	DVD、VCD、CD、SVCD、Mp3、DVD-R、CD-R、CD-RW、MP4
Power	Sub woofer output power -150W
	Front speakers output power -150WX2
	Centre speaker output power -70W
	Surround speakers output power -60WX2
Frequency response	CD: 4Hz-20KHz(EIAT)
	DVD: 4Hz-22KHz(48K)
	4Hz-44KHz(96K)
Audio S/N ratio	≡80dB
Dynamic range	≡90dB
Distortion	<0.1% (Max)
D/A converter	192KHz/24bit
Video input	Video(Composite) input X2
	YPbPr input X2
	HDMI input X3
Output characteristic	
Video output	Video(Composite) output X1
	YPbPr output X1
	HDMI output X1
Audio output	2CH output X2
AC-3 output	5.1 channel output X1
Power Voltage	AC 110V / 60Hz / AC 220V/50Hz
Power consumption	≒345W
Amplifier/DVD Size	435x165x420mm
Amplifier/DVD Weight	12kg

Specifications are subject to change without notice.

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