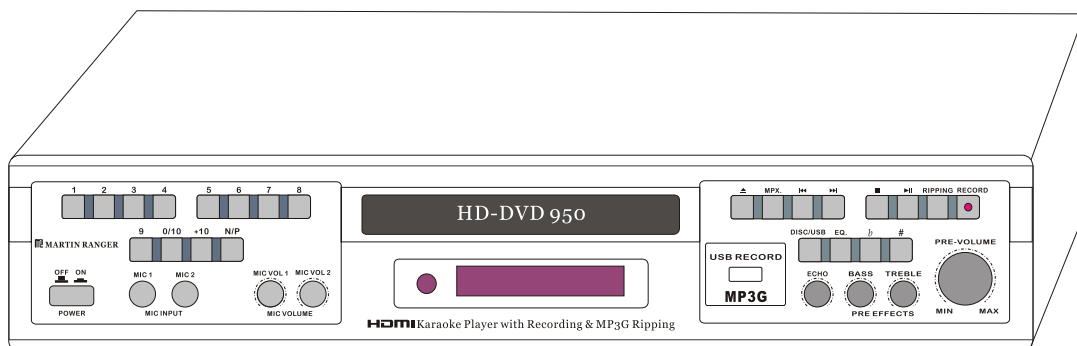


# MARTIN RANGER

## HD-DVD 950



# User Manual

INSTRUCTIONS FOR USE

[www.martinrangertech.com](http://www.martinrangertech.com)

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## IMPORTANT

For your protection, please read these instructions completely, and keep this manual for future reference.

Carefully observe and comply with all warnings, cautions, and instructions placed on the equipment or described in the operations instructions to guard against injury.

## Safety Instructions



CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Only refer servicing to qualified service personnel.

### Explanation of Graphical Symbols



The lightning flash & arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of danger.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.

### WARNING

To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

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

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

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

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

**5. Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

**6. Water and Moisture** - Do not use this unit near water. For example, near a bathtub or in a wet basement and the like.

**7. Carts and Stands** - The appliance should be used only with a cart or stand that is recommended by the manufacturer.

**7 A.** An appliance and cart combination should be removed with care. Quick stops, excessive force, and uneven surfaces may cause an overturn.

**8. Ventilation** - The appliance should be situated so its location does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation slots.

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

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

**11. Grounding or Polarization** - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

**12. Power-cord Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

**13. Cleaning** - Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

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

**15. Nonuse Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

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

**17. Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:

- A. The power supply cord or plug has been damaged; or
- B. Objects have fallen into the appliance; or
- C. The appliance has been exposed to rain; or
- D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
- E. The appliance has been dropped, or the enclosure damaged.

**18. Servicing** - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

#### Note:

To CATV system installer's (U.S.A): This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected as close to the point of cable entry as practical.

## Features and Specifications

### Features

- ✧ Professional karaoke player that can plays from both optical discs and USB memory devices.
- ✧ Record singing while playing CD, VCD, CDG, MP3+G.
- ✧ Fast ripping DVD, VCD, MP4, CD+G disc directly into USB at DVD, VCD, MP4, MP3+G format.
- ✧ Multi-Format Player with Direct Track Access Supports DVD,DVD-R,DVD-RW,VCD, CDG,MP3, MP3+G,MP4,DIVX, Photo-CD, CD, CD-R,and CD-RW Formats.
- ✧ Built-in USB reader to play your DVD,VCD,MP3,MP3+G, WMA, AVI, MP4, DAT, MPG and JPG files.
- ✧ High definition HDMI interface. Supports 480i/480p/576i/576p/720p/1080i/1080p.
- ✧ BASS,TRBELB and MASTER Volume Controls for Precise audio adjustments and room tuning.
- ✧ Two 1/4 inch microphone inputs on the front of panel with individual volume control and tone control.
- ✧ Professional karaoke mixer with echo volume adjustment.
- ✧ 13-step digital key controller.
- ✧ Progressive scan video output.
- ✧ Scoring function (For DVD, VCD and CD+G).
- ✧ 5.1 CH Digital audio output.
- ✧ S-Video, VGA, Scart video outputs.
- ✧ Optical and Coaxial digital outputs.
- ✧ Remote control for easy operation.
- ✧ 110V-240V and NTSC-PAL compatible for worldwide use.
- ✧ Dimension:18.9"× 6.2"×12.2"(L.W.H).
- ✧ Weight:5.7Lbs.

### Specifications

- ⊗ AC input voltage . . . . . AC 100V-240V 60Hz/50Hz
- ⊗ Video input sensitivity . . . . . 1 V (peak to peak)
- ⊗ Microphone input sensitivity . . . . . 8 mV
- ⊗ Video output level . . . . . 1 V (peak to peak)
- ⊗ Audio output level . . . . . 500 mV
- ⊗ S/N Ratio . . . . . 90 dB
- ⊗ Frequency response . . . . . 20Hz-20KHz:±-1dB
- ⊗ Dynamic range . . . . . ≥90dB
- ⊗ Output characteristic . . . . . RCA.S-video/video/Y,Pb,Pr/scart output

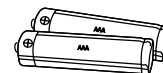
### Package Contents



HD-DVD 950 Unit(1)



Remote Control(1)



AAA Batteries(2)

#### Items Quantities

HD-DVD950 Unit	(1)
Remote Control	(1)
A/V RCA Cable	(1)
AAA Batteries	(2)
Manual	(1)



A/V RCA Cable(1)



Manual(1)

#### Note:

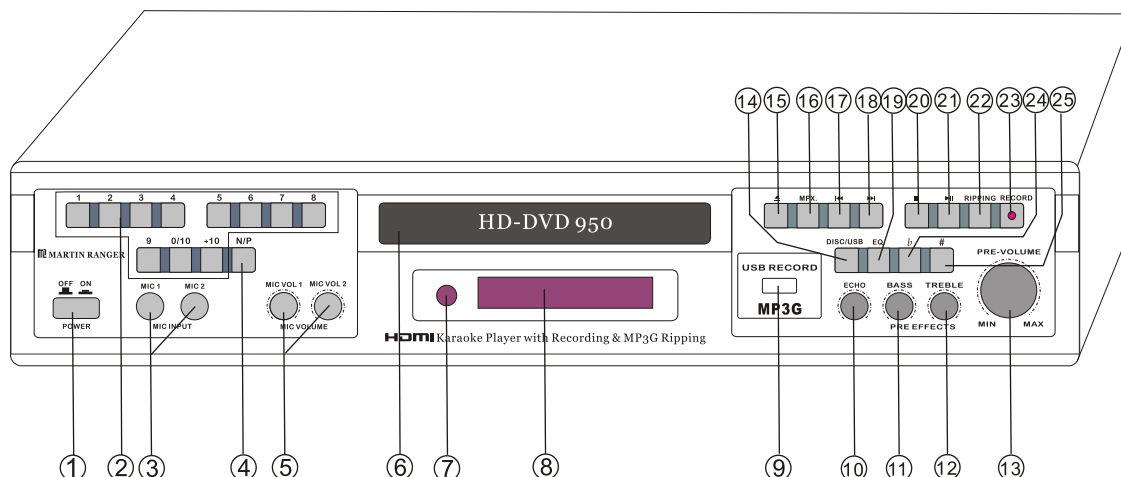
Please check that you have all of the above accessories supplied to you

If anything is missing, please contact With MARTIN RANGER or MARTIN RANGER authorized dealer



## Descriptions and Functions

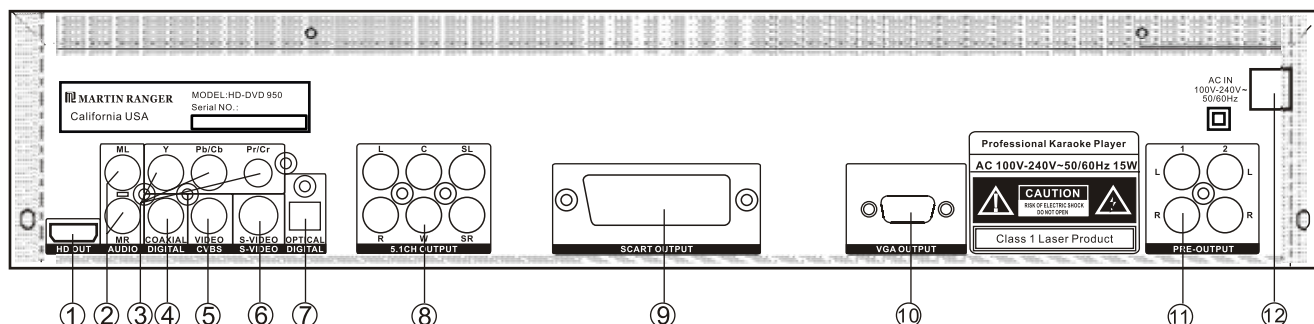
### Front Panel



- 1. POWER**-Press the button to turn the unit on or off.
- 2. NUMERIC KEYS 1-0/10**:Used to input track selections or programming purposes. Note: In the play Back Control(PBC) function operation the number keys are additionally utilized for the selection of menu items.
- 3. MIC 1 & 2 INPUT jacks** - Connects microphones with 1/4 inch plug.
- 4. N/P**-Switches between PAL and NTSC video modes.
- 5. MIC 1 & 2 VOL knob**- Used to control the volume output from MIC.
- 6. DISC TRAY**-Press to open tray. Press or to close the tray, it will play the disc automatically.
- 7. REMOTE SENSOR window**-Receive signals from remote control.
- 8. DISPLAY WINDOW**-Displays player status such as time, disc format, and song number. If no disc is in the tray, the display window will display NO DISC. Detailed information will also be shown on the TV screen
- 9. USB INTERFACE** - Use this interface to connect USB devices such as flash drives or external hard drives. You may play DVD, MP4, AVI, MP3, VCD, MP3G audio/files. \* support FAT32 format only.
- 10. MIC ECHO**- This control adjusts the level of ECHO applied to the MIC channels. Turn control clockwise to INCREASE and counter-clockwise to DECREASE the level of ECHO.
- 11. PRE BASS**- This control increases/decreases the amount of LOW frequency response applied to the PRE VOLUME output .
- 12. PRE TREBLE**- This control increases/decreases the amount of HI frequency response applied to the PRE VOLUME output.
- 13. PRE VOLUME control**- This control increases/decreases the PRE VOLUME level. Turn clockwise to increase PRE VOLUME and counter-clockwise to decrease the PRE VOLUME.
- 14. DISC/USB** - Used to the switch between DISC mode, USB mode .
- 15. EJECT** -This button is used to OPEN/CLOSE the DISC tray.
- 16. MPX. (Multiplex) button**- selects Left/Right, MONO, and Stereo audio output for CDs and audio track for DVDs.  
DVDs -Cycle through caption languages on a disc with multiple caption languages available.  
CD/CDG/VCD/MP3/MP4/MP3+G- Cycles through the different multiplex CD/CDG/VCD/MP3/MP4/MP3+G output for canceling the vocals: MONO-LEFT, MONO-RIGHT, MIX-MONO and STEREO.  
See the operations section in this manual for detailed instructions on canceling vocals on multiplex CDG discs.
- 17. PREV**-Press to go to the previous track.
- 18. NEXT**- Press to go to the next track.
- 19. EQ button**-To choose the mode of music among the STANDARD, CLASSIC, ROCK, JAZZ, POP, USER.
- 20. STOP**-Stops playing or recording.
- 21. PLAY/PAUSE**-Start to play the disc or temporarily.
- 22. RIPPING**- Press the button to copy your DVD, CDG, CD, VCD, MP3, MP4 to USB Card.
- 23. RECORD**-Press this button to start recording singing(audio MP3 file only) from VCD, MP3, MP4, AVI, CDG or CD discs.
- 24. b KEY- CONTROL Buttons**- **b** button: used to flatten by a half tone.
- 25. # KEY+ CONTROL Buttons**- **#** button: used to sharpen by a half tone.

## Descriptions and Functions

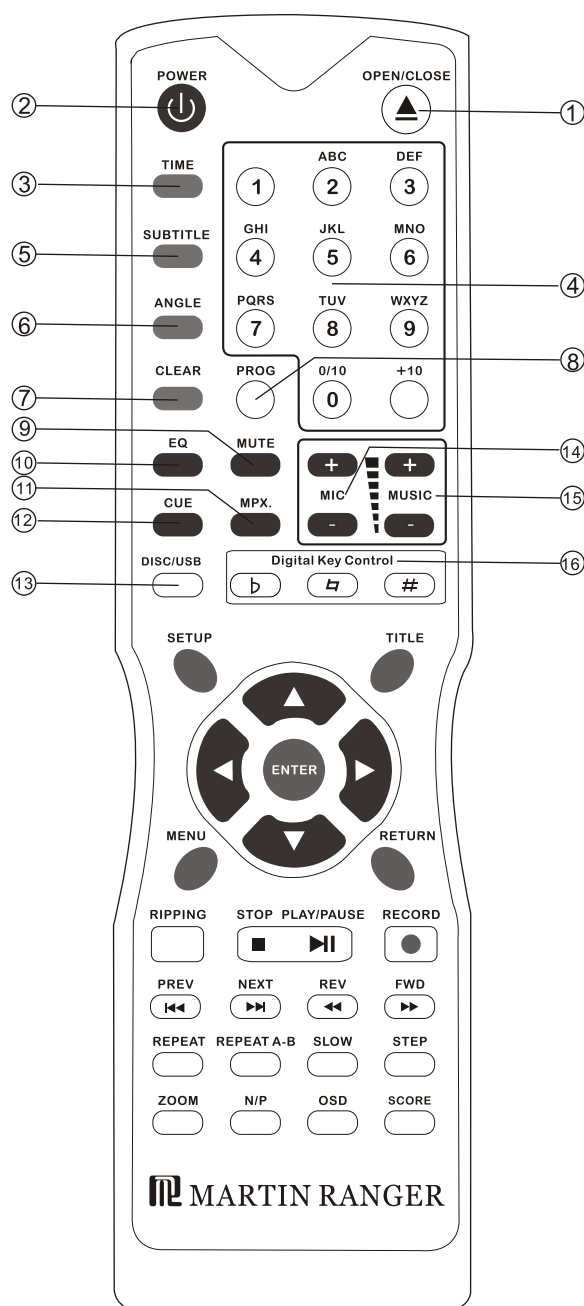
### Rear Panel



1. **HDMI AUDIO/VIDEO OUTPUT**- Music A/V & karaoke vocal output by using HDMI cable.
2. **MIXED AUDIO OUTPUT**- Red and white RCA outputs for mixed vocals and music audio output.  
We recommend to use this output for karaoke purpose .
3. **COMPONENT VIDEO OUTPUT**-Video output for use Y,Pb/Eb,Pr/Cr component cables.
4. **COAXIAL**-This digital output is for connecting devices with a COAXIAL cable.
5. **VIDEO OUTPUT**- Video output using VGA cables.
6. **S-VIDEO OUTPUT** - Output for use in S-VIDEO input.
7. **OPTICAL OUTPUT** - Optical output for connection with a digital amplifier or receiver for surrounding sound. Please change settings in the SETUP menu before using it.  
**\*Karaoke vocal output does not work while using OPTICAL output.**
8. **5.1 CHANNEL AUDIO OUTPUT** - RCA outputs for analog 5.1digital output. To use 5.1 channels, press 5.1CH on the remote or change settings in the SETUP menu before using 5.1 channels.  
See below SETUP> SPEAKER SETUP> DOWNMIX> OFF SUBWOOFER>ON
9. **SCART OUTPUT**-Use this jack for connection to European TV systems.
10. **VGA OUTPUT**-For direct connecting, using a VGA cable to an HDTV/VIDEO Monitor.
11. **PRE-OUT jacks**- Connect one end of RCA cables to the left and right PRE-OUT jacks on the HD-DVD950.  
Connect one end of the RCA cables to the left and right AUDIO/LINE/AUX INPUT jacks on the external device.
12. **ELECTRIC PLUG** - Connect to auto-detect AC power supply(100-240V,50-60 Hz)

## Descriptions and Functions

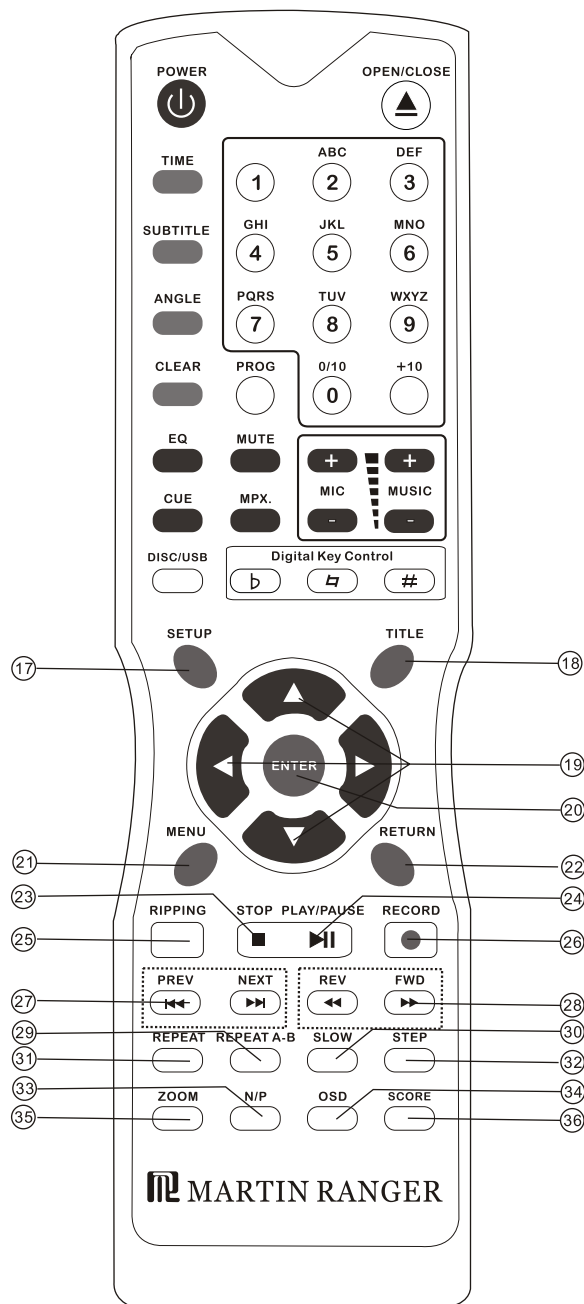
### Remote Control



1. **OPEN/CLOSE** button - This button is used to OPEN/CLOSE the DISC tray.
2. **POWER** button - Turns the VS-800 on or to Standby mode. To turn the VS-800 completely off, use the power button on the front panel..
3. **TIME** button - Accesses the Time menu which allows you to jump directly to a specific time on a disc. See the operations section in this manual for detailed instructions on jumping to a specific time on a disc.
4. **NUMBER/PRESET** buttons - Use these buttons to jump directly to a track in Disc mode. See the Disc and Tuner Operations sections of this manual for detailed instructions on using the Number/Preset buttons.
5. **SUBTITLE** button - Cycles through the available subtitle languages on a DVD with subtitles available.  
**Note:** Not all DVDs will have subtitles available.
6. **ANGLE** button - Cycles through the available viewing angles on DVDs with multiple viewing angles available.  
**Note:** Not all DVDs will have multiple viewing angles available.
7. **CLEAR** button - Clears any numbers typed into a menu before a selection has been made.
8. **PROG** button - To program tracks, press STOP then press PROGRAM. Enter your tracks selection and press PROGRAM again to accept. Press the PLAY to start programmed tracks.
9. **MUTE** button - Mutes the sound from disc,
10. **EQ** button - To choose the mode of music among the STANDARD, CLASSIC, ROCK, JAZZ, POP, USER.
11. **MPX. (Multiplex)** button-selects Left/Right, MONO, and Stereo audio output for Cds and audio track for DVDs. DVDs - Cycle through caption languages on a disc with multiple caption languages available.  
CD/CDG/VCD/MP3/MP4/MP3+G - Cycles through the different multiplex CD/CDG/VCD/MP3/MP4/MP3+G output m s for canceling the vocals: MONO-LEFT, MONO-RIGHT, MIX-MONO and STEREO. See the Operations section in this manual for detailed instructions on canceling vocals on multiplex CDG discs.
12. **CUE** button- Switching the mode between CD/CDG and DVD. In CD/CDG mode, player will be paused after one track has finished playing. In DVD mode, all tracks will be played continually. \* CD/CDG mode= Cue on (CUE SGL), DVD mode= Cue off (CUE CONT).
13. **DISC/USB** button- This button selects the DVD/USB/SD player as the input to be used.
14. **MIC VOL** buttons-To adjust the volume of microphones output.
15. **MUSIC VOL** buttons-To adjust the volume of music audio output.
16. **DIGITAL KEY CONTROL** button - These buttons direct the DIGITAL KEY CONTROLLER
  - # button- Raises the musical key a quarter-step each time this button is pressed.
  - ♯ button- Resets the musical key to it's original key.
  - b button- Lowers the musical key a quarter-step each time this button is pressed.

## Descriptions and Functions

### Remote Control



**17.SETUP** button - Use this button to access the DVD950's setup page on the video screen. You can navigate between the General Setup Page, Audio Setup Page, Video Setup Page, preference page and the Password Setup page using the DIRECTIONAL buttons (< ^ > v) on your remote. Select options and make changes using the ENTER button on the remote.

**18.TITLE** button - Accesses the title screen on a DVD.

**Note:** For use on DVDs with title screens. Some DVDs may not have a title screen.

**19.DIRECTIONAL** buttons (< ^ > v) - These buttons allow you to navigate through the DVD menu screens, Setup Pages, and Mp3 menus.

**20.ENTER** button- This button is used to make selections in DVD menus and the OSD when an entry is highlighted.

**21.MENU** button - Accesses the main menu on a DVD and other discs with main menus.

**22.RETURN** button - Accesses the main menu on a VCD 2.0 disc.

**Note:** PBC must be turned on and the VCD must be a VCD 2.0 disc.

**23.STOP** button - Stops disc playback in standby mode when pressed once and completely stops disc playback when pressed twice.

**24.PLAY/PAUSE** button - Start to play the disc or temporarily suspends playing.

**25.RIPPING** button - Please refer to page 14 for the details.

**26.RECORD** button - Please refer to page 13 for the details.

**27.PREV and NEXT** buttons - Skip tracks when in DISC mode: prev jumps to the previous track and Next skips ahead to the next track.

**28.REV and FWD** buttons - Scans through a track when in DISC mode: B-Scan scans backwards through the current track and F-Scan scans forwards through the current track  
**Note:**It will not work while playing CDG format disc.

**29.REPEAT A-B** ( loop ) button - Allows you to set a section on a disc for continuous looping. See the operations section in this manual for detailed instructions on using the A-B loop feature.

**30.SLOW** button - Cycles through the different slow motion options while in DISC mode.

**31.REPEAT** button - Cycles through the available repeat options. Repeat options vary from type of disc so see the operations section of this manual for detailed instructions on using the repeat function for every kind of disc.

**32.STEP** button - Allows you to view a disc step-by-step, one frame at a time. See the Operations section in this manual for detailed instructions on using the Step feature.

**33. N/P** button - Switches between NTSC and PAL video modes.

**34.OSD** button - Cycles through the different On Screen Display options.

**35.ZOOM** button - Allows you to zoom in 2X, 3X and 4X and zoom out 1/2X, 1/3X and 1/4X on the video during disc playback.

**36.SCORE** button-This button is used to give score after singing.

## Before Operation

### Playable Media

This unit supports the following disc formats:

- \*DVD, AVI, Video CD, Video CD 2.0
- \*CD+Graphics, Audio CD, HDCD.
- \*MP3, MP3+G, JPEG, Kodak, MPEG

Above media is playable on the following discs:

- \*DVD±R, DVD±RW, DVD±R DL, DVD±RW DL, CD-R/RW

Card reader compatible format\*: SD, Mini SD, MMC

- \*Only support FAT32 format

#### NOTE

\*Any disc that is not listed above will cause the player to display "NO DISC" in the DISPLAY WINDOW. Future media and disc formats maybe supported with firmware upgrades when available.

\*Encoding methods of some media formats may affect the playback (e.g. Unable to fast forward or fast backward or load time). Be sure that the encoding process conforms to the standards for that particular format.

\*Dirty, scratched, warped, and defective discs may cause a considerable time delay during the loading and reading of the disc. In extreme cases, this may render the disc completely unreadable by the player.

### Video signal formats

This player also accommodates NTSC and PAL color systems, with automatic detection and override settings.

### Digital audio formats

This player accommodates stereo, analog and few digital Hi-Fi audio signals.

#### NOTE

\*Depending on the AUDIO SETUP> SPDIF settings digital audio signals may not be output as they are recorded on the disc.

### Notes regarding discs

\*Some DVD s, the player starts playback automatically after inserting the disc, regardless whether or not PLAY BACK CONTROL is on or off.

\*The image may be poor, noisy, or grainy due to actual defects on the disc itself.

\*Some functions may not be possible on all discs as described in this manual.

### Handling and Cleaning of Discs

#### Handling

\*At anytime, when handling discs, always hold them from their edges and/or by the circle in the center.

\*NEVER write on the any surface of the disc for it may render the disc unreadable.

\*Store discs in a clean and dry environment. Storing CD's vertically will also help prevent warping.

\*After use, insert CD into jacket or case to minimize wear and tear DO NOT stack CDs on top of one another.

\*Do not bend or press the disc. Do not expose the disc to direct sunlight or any heat source.



#### Cleaning

\*Wipe the discs from time to time using a soft cloth. Always wipe from the center towards the edges. NOT in circular motions.

\*DO NOT clean with any other cleaning solution, unless it is specifically made for disc cleaning.

#### NOTE

CDs revolve at very high speeds inside of players. Never attempt to play cracked or warped CDs; doing so may cause the disc to shatter inside or the player to malfunction.

#### CAUTION

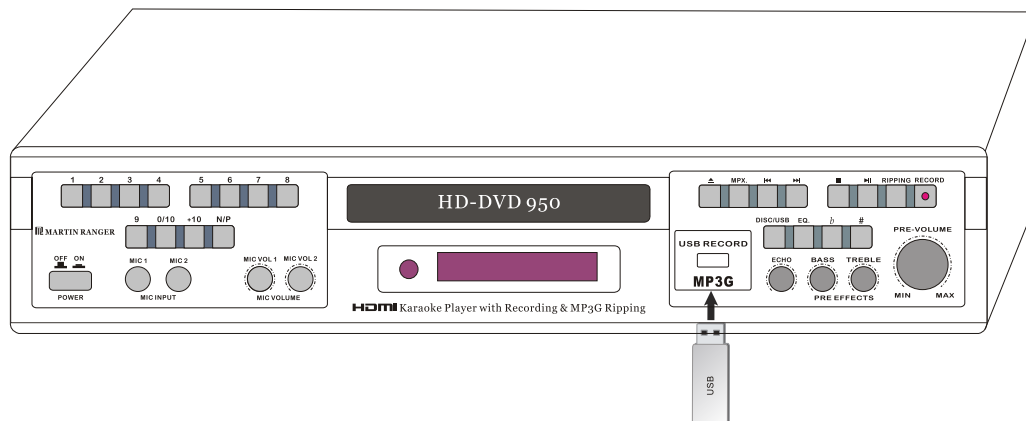
#### Power-Cord

Handle the power cord only by its plug, do not unplug the power cord by tugging or yanking on the cord. Touching or unplugging the cord while your hands are wet may lead to an electric shock or a short circuit. If the cord becomes damaged or its wires become exposed, please replace the cord as soon as possible in order to prevent an electric fire or shock. Check the power cord every few months to ensure it is functioning properly.



## Player Connections

### USB



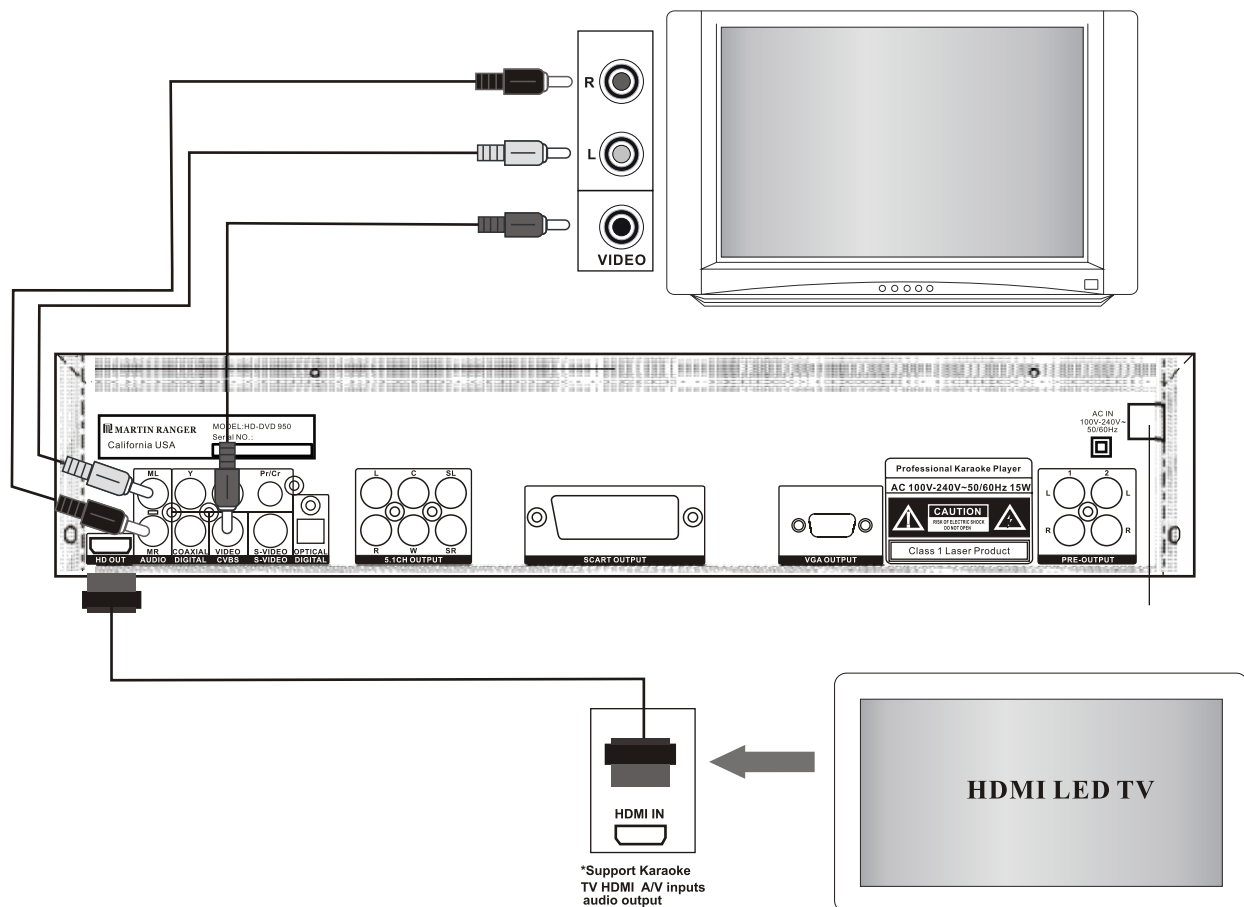
\* Please see page 11 for supported files format when playback in the USB mode.

### A/V Connection

Make sure all power is disconnected from each component before connecting. Plug all cords securely to prevent unwanted noise.

You cannot connect this player to a TV that does not contain a video input jack. The player must be connected to a TV or amplifier that is connected to a TV or monitor. The TV or amplifier must also contain audio input jacks (left and right channel).

If you wish to use this player in karaoke mode, you must have your player connected as the picture below.

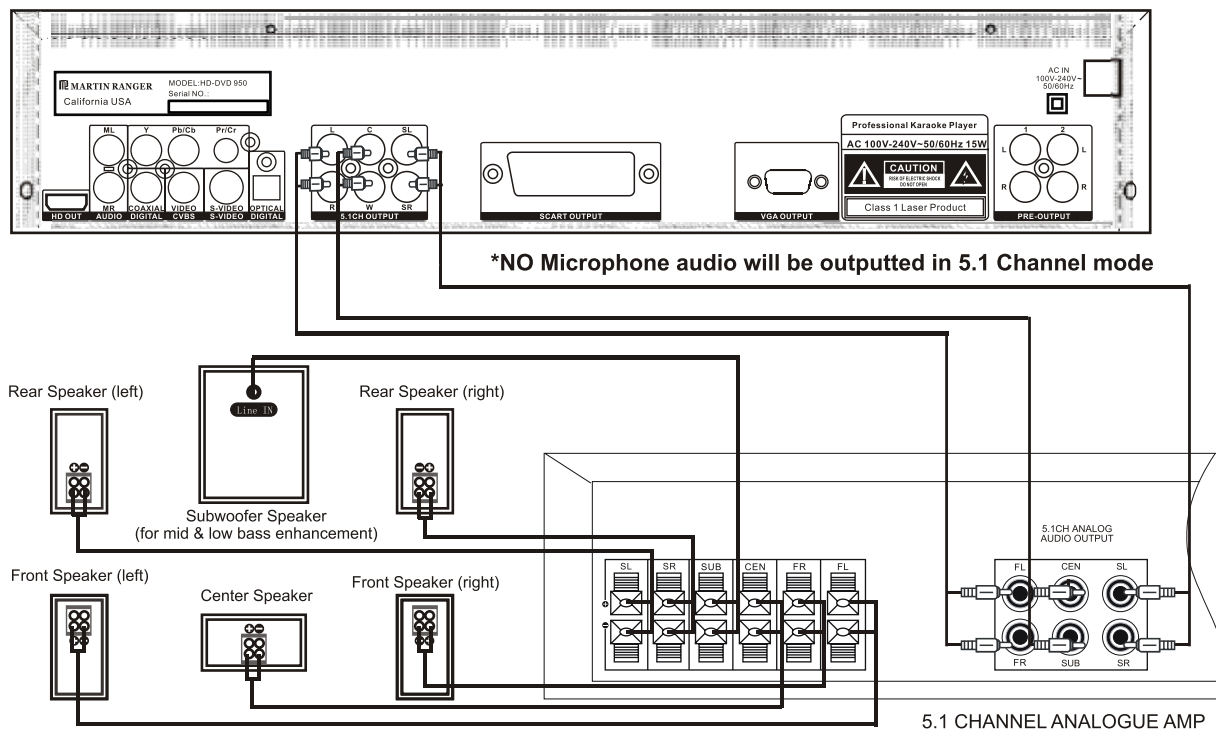


\*Support Karaoke  
TV HDMI A/V inputs  
audio output

## Player Connections

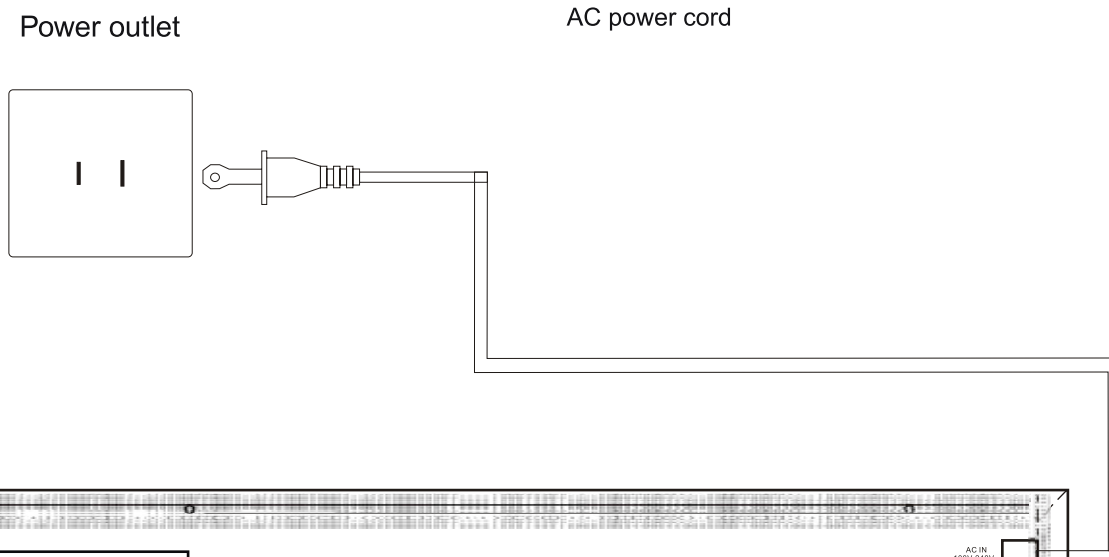
### MAKING THE CONNECTION BETWEEN PLAYER WITH 5.1 CHANNEL AMPLIFIERS

You can connect this player with 5.1 channel amplifiers as shown below:



### POWER CONNECTION

When you have completed all other connection, plug the power cord into an AC outlet.



Note:

Power supply: 100V-240V 50/60Hz.

Operation is subject to the following two conditions:  
 (1) This device may not cause harmful interference.  
 (2) This device must accept any interference received, including interference that may cause undesired operation.

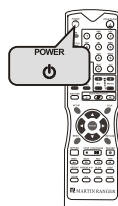
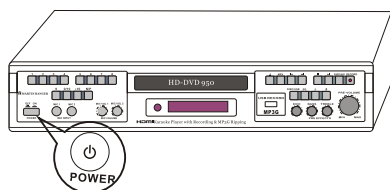
**Caution:** Make sure the voltage of the AC outlet matches the requirement of your karaoke system.



## Basic Operation

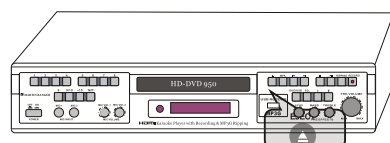
### Basic Playback

#### Turn on the machine



#### Loading a disc

1. Press **EJECT** to open the disc tray.
2. Place a disc in the disc tray.
3. Press **EJECT** to close the disc tray.
4. The Disc will play automatically



#### If a menu is shown on the TV screen

When inserting a DVD or VCD disc, a menu may be displayed before playback. From the menu, you may select a desired item to be played back.

#### For DVD video

1. Use the arrow keys to select the track desired
2. Press **ENTER** and the player will playback the selected track.

#### For video CD

1. Press the numeric buttons to select a desired item. The player starts playback of the selected item.

#### NOTE

\*Do NOT insert a damaged disc

\*If a disc takes more than usual to read or the DISPLAY WINDOW shows LOAD for an extended period of time, press EJECT on the remote or from the front of the unit and check disc for any dirt/fingerprints or defects.

#### To end playback

Press **STOP** to end playback.

#### To resume playback

On DVDs and VCDs, you can resume playback by pressing the **PLAY** button.

#### To stop playback completely

Press the **STOP** button twice. Now when you press the **PLAY** button, it will begin from the beginning of the disc. Also, if you eject the disc, the playback completely stops and ejects the disc.

#### To pause playback

Press the **PAUSE** button to pause playback. To resume, press either the **PLAY** or **PAUSE** button.

#### To advance or reverse playback while viewing

During playback on DVDs and VCDs, press **FAST FORWARD>>** or **FAST BACKWARD<<** on the remote unit. You can select from 2 times, 4 times, 8 times, 20 times the normal playback speed.

\*During forward or reverse, the sound will be muted.

### Play back from USB devices

#### NOTE

**Please note, this player is not a computer system** and so it cannot support large external hard drives and any storage device containing more than **2,000 files**. For example, 2,000 MP3s files or 2,000 MP3G songs (each MP3G contains 2 files adding up to 4,000 files; .cdg + .MP3 = MP3G).

The HD-DVD950 may support 2.5" external hard drives that do not require an external power source but we cannot guarantee it will support all models. **MARTIN RANGER** recommends using a USB flash drive formatted to **FAT32** but due to the many different brands available, we cannot guarantee every USB flash drive will work. Please try another brand if you are experiencing compatibility issues.

#### USB port and operation

You can play your own video and audio files (supports MP3, CD+G, MP3G, DVD, AVI, and DivX formats) stored in external memory devices (e.g., flash drive, and card reader) by connecting any one of such devices to USB port on this machine. Notice: these devices have to be FAT32 format to be able to play content.

If no disc is being played, audio and video files from external memory device which connects to USB will automatically be selected and played. Otherwise, if you need to switch to USB playback:

1. Press the **STOP** button.
2. Press **USB PORT BUTTON** to make the USB menu appear on the screen.
3. Select a song from the song list
4. Press **ENTER** to play
5. Press **DISC/USB BUTTON** to switch back to DVD playback.

## Basic Operation

### Get the most from your Karaoke Machine

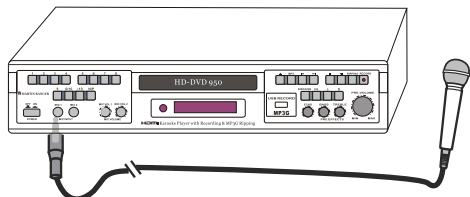
#### The Basics

1. Ensure you are on HDMI Channel or AV Channel as per set-up
2. Press Power Button
3. Connect Microphones
4. Load a karaoke Disc
5. Press Play to begin Karaoke Track

#### Karaoke - USING MICROPHONE

The system has 2 microphone inputs with individual vol. adjustment.

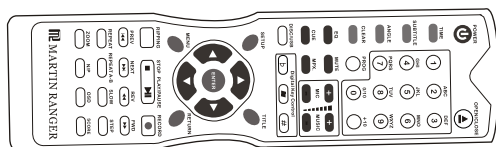
Connected up to 2 microphones to this player.



#### Karaoke - MICROPHONE MIXER

When a microphone is plugged into MIC1 or MIC2, the system mixes the music with your voice.

1. Press POWER button to turn on the system.
2. Load a Karaoke Disc.
3. Press PLAY button to start playing.
4. Adjust MASTER MUSIC VOLUME on the remote control.
5. Adjust Microphone volume from front panel.
6. Starting singing while the song is playing.
7. Adjust ECHO level on the remote/front panel to the desired echo level.

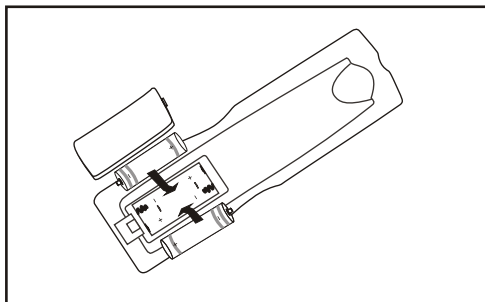


#### Karaoke - REMOTE CONTROL

Putting batteries in the remote control

The battery compartment is located on the back of the remote control.

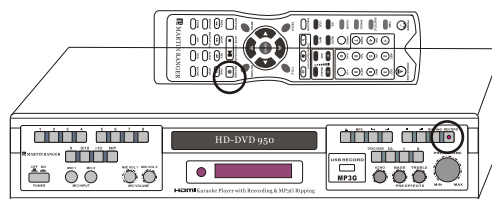
1. Open the lid of the remote control battery compartment.
2. Put 2 AAA batteries  
Make sure that the batteries are put with the positive and negative terminals in the correct direction corresponding to the (+) and (-) marks in the battery compartment.
3. Install the lid of the remote control battery compartment.



#### Synchronising Sound (Microphone and Music)

Sometimes upon initial start up the music volume may be too loud or the microphone volume may be too low. Please use the following steps to synchronise your sound.

1. Adjust Music Volume on remote control (we recommend down to halfway). The volume level will appear on your TV
2. Adjust Microphone Volume on remote control to maximum
3. This will synchronise your vocals to the music
4. Please adjust to suit your personal vocal requirements
5. There are additional volume controls, as well as cho on the front of the machine.



#### Karaoke-To recording singing(See also Page13):

1. Play MP3, CD, CDG, MP3G or VCD Song from disc, or MP3, MP3G song from USB
2. Insert USB as a file saving device if you play from disc.
3. Select the song you want to record, and play the song first. Then, press RECORD button from machine or remote to start recording. Song will be re-play from the beginning and start recording at the same time.
4. Press STOP or RECORD button to stop recording, or when the song finish, recording process will automatically end.
5. Press PLAYBACK button on the remote for immediately playback on the last recording song you have done.
6. Player will continue playing the next song unless you set the CUE OFF from the remote control.



#### Rip MP3G from CDG disc (See also Page14) :

1. Insert CDG disc into disc tray. Insert USB device as MP3G file storage.
2. Press RIPPING button on the remote
3. Select ripping speed (1 x or 8 x) and MP3 compressing bit rate ( number larger, sound quality better but file size bigger too) from OPTIONS.
4. Select target tracks from TRACKS option. You can select one, all or specific tracks.
5. After song(s) selected, go to START option to process the MP3G ripping.
6. After ripping, exit the window. You can find your ripping songs in " MP3G " folder in USB storage drive.

## Basic Recording Operation

### Operation of REC (Record) function

With a compact disc (in CD, CDG, VCD, MP3, MP4, DIVX, or MP3+G format) in the disc tray, insert a USB device and press the REC button on the front panel or REC button on the remote control to start recording. Right before the recording process, the HD-DVD950 will search for the "MP3" folder. A "MP3" folder will be created if it does not exist in the USB device. The music or song being replayed will be restarted and the recording process will start once the REC button is pressed. During the recording process, the microphone input will be automatically mixed with the replayed music or song from the compact disc and the mixed signal will be recorded to the USB device in the MP3 format. In the meantime, the recording progress (in percentage, 0-100%) will be displayed on the TV or monitor screen as shown in Fig. A.

The recorded content will be recorded and numbered consecutively in the "MP3" folder. Each recorded content is named with the track number on the disc as shown in Fig. B. If the same track number from the same disc or from another disc is used, the track number will be followed by an underscore sign ("\_") and a serial number (01, 02, ...etc.). For example, if track 5 on one disc is recorded, the recorded content will be named "TRACK05". When another track 5 from another disc or the same disk is recorded, it will be named "TRACK05\_01". Next recorded track 5 will be named "TRACK05\_02". After the recording is completed, the compact disc player will proceed to replay the next track. Press the DVD button on the remote control to enter the window as shown in Fig. C. Select USB and press the ENTER button on the remote control to enter the playback mode to playback the recorded files in the USB device. In the playback mode, use the directional buttons (< >) on the remote control to go to the "MP3" folder and press the ENTER button to open the "MP3" folder as shown in FIG. C1. Go to the desired recorded file to start playback. (The order of the recorded files in the "MP3" folder is based on the times that the files were created.)

**NOTE:** This recording function does NOT support any DVD disc. In other words, any DVD content can NOT be recorded to the USB device through the HD-DVD950

Fig. A

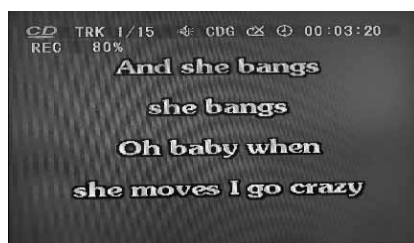


Fig.B



Fig.C



Fig. C1



## Basic Ripping Operation

The RIPPING operations can be summarized into five categories as follows:

1. RIPPING from the disc player in the DVD/VCD/MP4/MP3 format to USB in DVD/VCD/MP4/MP3 format (File Copy).
2. RIPPING from the disc player in the CDG format to USB/SD Card in MP3+G format (Ripping process)

## 1. Copy from the disc player in the DVD/VCD/MP4/MP3 format to USB in DVD/VCD/MP4/MP3 format. (File Copy)

- With an DVD/VCD/MP4/MP3 disc in the disc tray, insert a USB device and press the RIPPING button to enter the FILE COPY window as shown in Fig. D.
- In the Fig. D window, enter the OPTIONS section to select the FILE TYPE (MUSIC, PHOTO, VIDEO, TEXT, or GAME), the SOURCE DEVICE (DISC or USB, or CARD) or the TARGET DEVICE (USB).
- In the Fig. E. window, enter the FOLDERS section to select one of the available folders to be copied from.
- In the Fig. F window, enter the TRACKS section to select the track titles by checking the boxes next to the track titles to be copied from.
- The box next to TRK is used to check or uncheck all boxes in the folder.
- In the Fig. G window, enter the START section to start the copying process and the copying progress will be displayed as shown in Fig. H and Fig. I. Right before the copying process, the HD-DVD950 will search for the "DVD/VCD/AVI/SCDROM" folder.
- A " DVD/VCD/AVI/SCDROM " folder will be created if it does not exist in the USB device. The files in the MP3 disc will be copied into the " DVD/VCD/AVI/SCDROM" folder in the DVD/VCD/MP4/MP3 format with same file names. After the DVD/VCD/MP4/MP3 copying is completed, enter the QUIT section as shown in Fig. J to leave the copying process.
- Press the DISC/USB button on the remote control to enter the window as shown in Fig. K. Select USB and press the ENTER button on the remote control to enter the window as shown in Fig. L. In the Fig. L window, use the directional buttons (<> ^ ∇ ) on the remote control to go to the "DVD" folder and press the ENTER button to open the "DVD" folder. Go to the desired recorded file to start playback. (The order of the recorded files in the "DVD" folder is based on the times that the files were created. At the bottom of the Fig. L window, there are five symbols representing (from left to right) the options of MUSIC, PHOTO, VIDEO, AUDIO BOOK (TEXT) and GAME respectively.
- If the file to be accessed is in the format of MP3 or MP3+G, use the left-right directional buttons (<>) on the remote control to go to the MUSIC symbol (the symbol at the far left) as shown in Fig. L1 and then use the up-down directional buttons (^ ∇) on the remote control to go to the desired file and press the ENTER button to open the file.
- If the file to be accessed is in the format of JPG, use the left-right directional buttons (<>) on the remote control to go to the PHOTO symbol (the second symbol from the left) as shown in Fig. L2 and then use the up-down directional buttons (^ ∇) on the remote control to go to the desired file and press the ENTER button to open the file.
- If the file to be accessed is in the format of AVI, MP4, DVD or VCD, use the left-right directional buttons (<>) on the remote control to go to the VIDEO symbol (the third symbol from the left) as shown in Fig. L3 and then use the up-down directional buttons (^ ∇) on the remote control to go to the desired file and press the ENTER button to open the file.

Note: Please note that the track has to be stop when ripping Mp4.



Fig. D



Fig. E



Fig. F



Fig. G



Fig. H

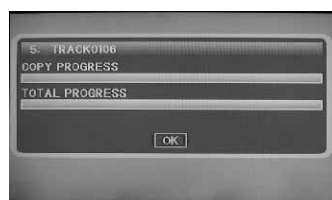


Fig. I

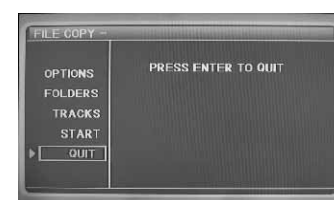


Fig. J



Fig. K

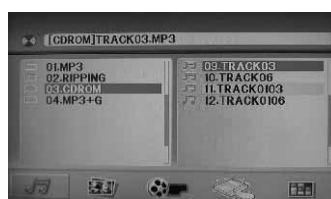


Fig. L



Fig. L1

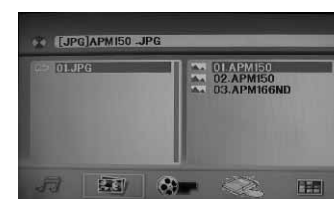


Fig. L2



Fig. L3



## 2. RIPPING from the disc player in the CDG format to USB/SD Card in MP3+G format (Ripping process)

This player can also be used to transfer CDG's to MP3+G Files. Being that an MP3+G file only occupies about one eighth of the required space for a CDG, this is great way to back up your CDG's and protect your investment. Storing files as MP3+G gives you more options with your music. For karaoke jockeys and people that frequent karaoke venues, you can now leave your CDG' at home and only travel with your USB flash drive.

1. With in disc mode, insert the CDG disc that you would like to rip. Make sure your desired memory card or USB drive is also inserted.
2. Go ahead and allow the disc to play. Press RIPPING button on the remote while disc is playing.
3. In Options section, select the ripping speed between 1x(real time) and 8x. You can also select the MP3 compress rate(bigger number, better sound quality, but also bigger file size) too.



4. Next, go to TRACKS section, to select one or a few or all tracks which you desire to transfer to MP3+G format.

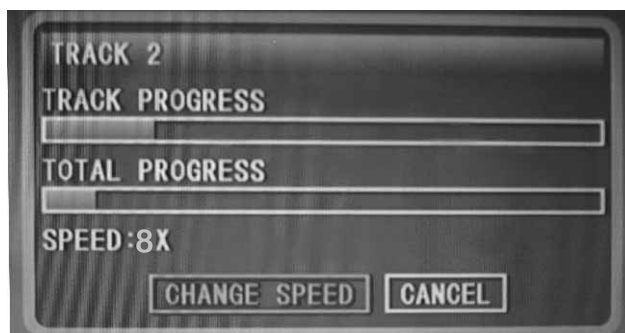
Click here if you want to check/uncheck all tracks



5. Go to START section, you will see the ripping information. To start the ripping process, press ENTER.



There are two status bar showing the ripping progresses while ripping.



6. After ripping finish, select QUIT section to leave the window and go back machine playback mode.
7. Ripped files will be stored in folder names " MP3G " in USB storage device.

## Advanced Operation

### Playing From A Specific Position Player

#### Locating a desired scene from the DVD menu

DVD discs generally have their own menus showing the contents of the disc. These menus contain various items such as the titles of movies, names of songs, or artist information, and display them on the TV screen. You can locate a desired scene using the DVD menu.

1. Insert a DVD disc into the tray.
2. Use the arrow keys to select a desired item and press **ENTER**

#### To locate a desired scene from the video CD menu with playback control

Some VCDs support the PBC function and have their own menus built in. You can locate a specific scene by using the PBC menu

1. Press **STOP** then press **PBC**. "PBC ON" should appear in the right corner of your screen.
2. Using the **NUMERIC KEYS 0-0/10**, enter the desired song number and press **ENTER** to begin playback.

#### To locate a desired position in the current title or track using time search

With Audio CDs, VCDs, and DVD Video Discs you can play the disc from a desired location by specifying the time during playback.

1. Press the **SEARCH** button (twice for DVDs).
2. Using the **NUMERIC KEYS 0-0/10**, enter the desired song number.

#### Example for DVD video:

To play back from chapter 3 of a DVD

Press 3 then **ENTER**

TITLE 01/01 CHAPTER 003/11

To play back from 1 hour 21 minutes 00 seconds

Press **SEARCH** again then **121** or **12100** then

**ENTER**

**TIME \_1:21:00**

#### Example for VCD or audio CD:

To play back from 17 minutes 15 seconds

Press **1715** then **ENTER**

**TIME 17:15**

3. Press **ENTER** to begin playback. To dismiss the time search, press **SEARCH** again.

#### **NOTE**

\*Some DVD Video discs do not contain time information and the time search function may not work.

\*This function does not work when there are programmed tracks.

#### Zooming into pictures

During playback or paused playback, press **ZOOM**. Each time you press **ZOOM**, the magnification is changed 1.5, 2, and 3 times. You can use the arrow keys to move the zoomed position.

### Repeating Playback

1. Press **REPEAT**. If you press **REPEAT** in stop mode, press **PLAY** to start playback. Each time you press **REPEAT**, the repeat mode cycles among REP-ALL, REP-ONE, and OFF. A window which indicates the current repeat mode will be displayed on the TV Screen.

#### To stop repeat playback

Press **STOP**. The unit stops playback but does not quit the repeat mode.

#### To exit repeat playback

Press **REPEAT** until **REPEAT OFF** is displayed.

### To Repeat A Desired Section (A-B Repeat)

By programming tracks, you can play up to 99 tracks in any order. You may also repeat the track by itself.

1. Press **A-B** once where you wish to begin the repeat (Point A). **A-B SET A** appears on screen.
2. Press **A-B** again where you wish to end the repeat (Point B). **A-B SET B** appears on screen. The player will now begin to repeat playback between A and B.

#### To exit A-B repeat playback

Press **A-B** a third time to turn off the A-B repeat mode.

#### **NOTE**

\*The A-B points must be set within the same title/chapter/track.

\*When you press **STOP** twice during DVD playback, **A-B** repeat is canceled.

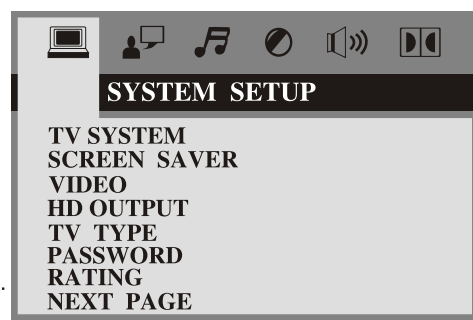
#### **NOTE**

After 3 minutes of a static (still) picture displayed on the television screen (i.e. Karaoke DVD is paused half-way through playback or the menu), this unit will automatically activate the screen saver. This function is used to prevent any images from being "burned" on to the screen after a long period of time. To disable this function, go under **GENERAL SETUP> SCREEN SAVER** You have the option to enable or disable the screensaver.

## DVD System setup Menu

### System setup Menu

To access the System Setup Menu, press the SETUP button on the remote control. The menu will appear on the TV screen. Use the arrow buttons on the remote control to navigate through the menu and use the ENTER button to make selections.



#### 1. TV SYSTEM

Set the video output to your TV's system format:

- NTSC North America
- PAL Europe, Asia
- PAL60 This format enables a PAL TV/Monitor to play the NTSC video.
- AUTO Automatically detects the TV's format.

#### 2. SCREEN SAVER

The DVD screen saver can be toggled ON or toggled OFF to suit your preference for display during extended periods of player inactivity when power remains on. Use the Directional buttons (< > ^ v) to make your selection.

#### 3. VIDEO

Refer to your TV manual to determine which type of video it supports. You can choose between INTERLACE-YUV, TV-RGB, P-SCAN YPBPR, PC-VGA or S-VIDEO.

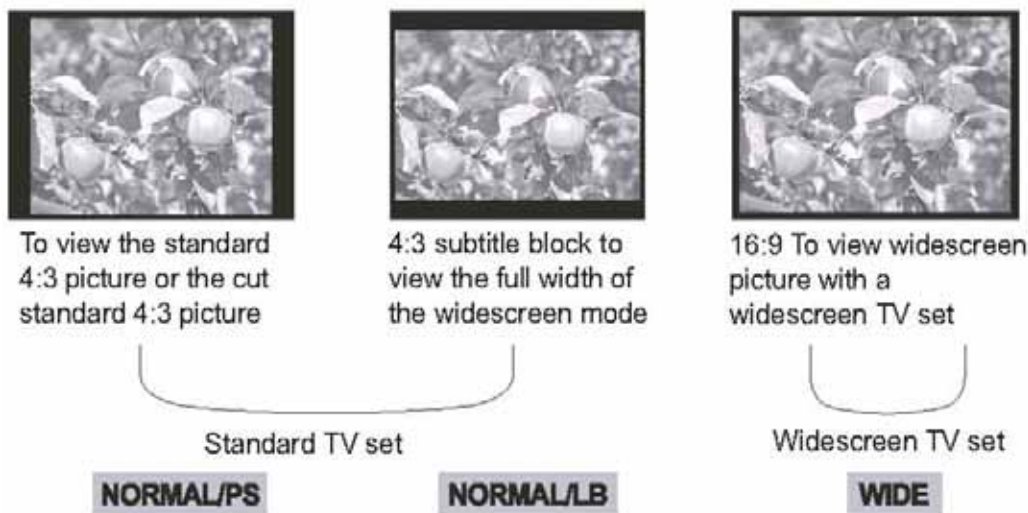
#### 4. HD OUTPUT

Set the HDMI output to your TV's system mode:

- 480I/576I,
- 480P/576P,
- 720P,
- 1080I,
- 1080P,

#### 5. TV TYPE

This menu actually refers to TV display mode. Choose between 4:3PS for Panoramic Screen, 4:3LB for Letterbox, or 16:9 based on your viewing preference.



#### 5. PASSWORD

When the PASSWORD menu is selected, the displayed lock icon is closed (locked) as shown in Fig (1). The preset password to lock or unlock RATING settings is 0000. If you are a parent and want to limit the types of DVD's to be viewed with the DVD950, type this password using the NUMBER keys on the remote, and then press ENTER to unlock the RATING setting. Once you unlock the RATING setting, the lock icon will be opened (unlocked) as shown in Fig (2).



Fig(1)



Fig(2)

With the RATING setting unlocked, enter the RATING menu and select the desired parental safety setting, then come back to the PASSWORD menu to enter a desired 4-digit password to lock the selected parental safety setting.

A locked icon as in Fig (1) will display to indicate the locking status.

#### 6. RATING

Set the parental safety settings. There are eight (8) parental safety settings as displayed on the TV / monitor.



## DVD System setup Menu

### 7. NEXT PAGE

#### 7.1 DEFAULT

Select this mode if you choose to return all system preferences to the DEFAULT settings.

#### 7.2. RESUME

- ON:RESUME the last spot played on a disc and returns to it when the DVD950 is turned back on from the Standby mode.
- OFF:RESUME is off.

#### 7.3. PREV PAGE

## LANGUAGE SETUP

This menu is used to set up the language preferences for the functions described as follows. Use the Directional buttons (< > ^ v) on the remote control to navigate through the menu and use the ENTER button to make selections.

#### 1. OSD (On Screen Display) LANGUAGE

The available OSD languages include English, Spanish, French, German, Portuguese, and Chinese.

#### 2. AUDIO LANGUAGE

This feature is dependent upon the options included with each individual disc. Choose from the list provided by the disc.

#### 3. SUBTITLE LANGUAGE

This feature is dependent upon the options included with each individual disc. Choose from the list provided by the disc.

#### 4. MENU LANGUAGE

This feature is dependent upon the options included with each individual disc. Choose from the list provided by the disc.

## AUDIO SETUP

#### 1. AUDIO OUT

The DVD950 allows user to use the standard analog audio outputs and the digital output simultaneously by using the RCA L/R outputs and the coaxial output. When the DVD950 is connected to an external sound system with digital inputs, select settings as follows:

- **SPDIF/OFF** This setting completely disables the digital audio output.
- **SPDIF/RAW** This setting selects the Dolby 5.1 digital audio output. (optical- coaxial)
- **SPDIF/PCM** This setting selects the stereo digital audio output (2 channels)

#### 2. HDMI AUDIO

- **HDMI AUTO**
- **HDMI PCM**

#### 3. MIC SETUP

- **MIC OUTPUT AUTO**
- **MIC OUTPUT OFF**

#### 4. KEY CONTROL

This feature functions exactly the same as the KEY CONTROL buttons on the remote control, but with a virtual vertical fader instead of a left-right display. Use the Directional buttons (< > ^ v) on the remote control to the fader bar and raise (# or sharp) or lower (b or flat) the output of the disc in quarter-step increments.

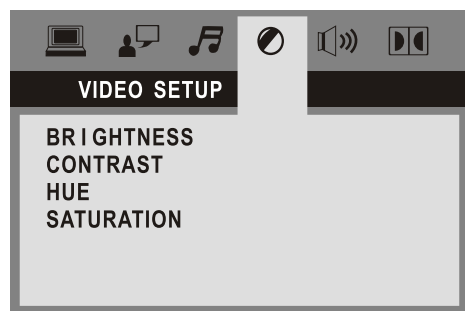
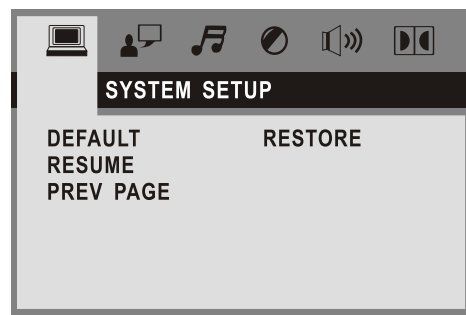
#### 5. MIC VOL

Adjust the MIC VOL of the microphone output level.

## VIDEO SETUP

Use the Directional buttons (< > ^ v) to raise or lower the vertical fader bars to set up the following video preference settings.

1. **BRIGHTNESS** - Adjust the brightness of the display.
2. **CONTRAST** - Adjust the contrast of the display.
3. **HUE** - Adjust the hue of the display.
4. **SATURATION** - Adjust the saturation of the display.



## DVD System setup Menu

### SPEAKER SETUP

#### 1. DOWNMIX

- **LT/RT** The left channel and the right channel sound outputs are mixed first and then the mixed sound output is redirected to the left speaker and the right speaker simultaneously.
- **STEREO** - Sound output is in Stereo Mode.
- **V SURR** - Virtual Surround Sound.
- **5.1 CH** - For 5.1 Channel surround sound.

#### 2. SUBWOOFER

- **ON**: If you have a subwoofer.
- **OFF**: If you do not have a subwoofer.

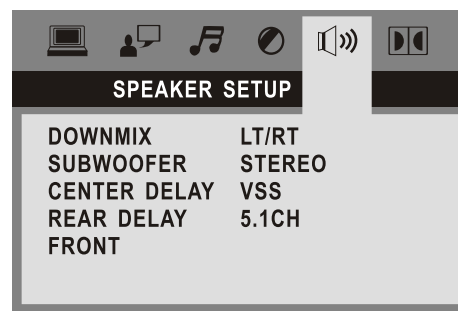
#### 3. CENTER DELAY

#### 4. REAR DELAY

#### 5. FRONT

Set this based on the size of your front speaker.

- **LARGE**
- **SMALL**



### DIGITAL SETUP

#### 1. OP MODE

**LINE OUT** - This setting compresses the output signal and lowers the volume for use in a quieter environment, such as at night time.

**RF REMOD** - This setting increases volume for regular usage.

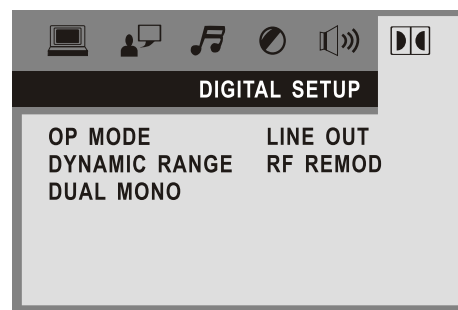
#### 2. DYNAMIC RANGE

When the OP CODE is set to LINE OUT, use this setting to select the ratio of signal compression. Select FULL for the lowest maximum signal and OFF for the highest maximum signal.

#### 3. DUAL MONO

- **STEREO** - This setting plays the disc audio in the stereo mode.
- **MONO L** - This setting plays only the left audio channel.  
NOTE: For use only on Multiplex CDG discs.
- **MONO R** - This setting plays only the right audio channel.  
NOTE: For use only on Multiplex CDG discs.

- **MIX MONO** - This setting plays the disc audio in the mixed audio mode in which the left audio channel and the right audio channel are mixed first and then redirected to the left channel and the right channel simultaneously.



## Troubleshooting

#### 1. There is no power

- Make sure the power cord is firmly connected to the back of the HD-DVD 950 and to the power outlet.
- If using a power strip/surge-protector, make sure that it is plugged in and switch on.
- Make sure the Power button on the front panel is pushed into the ON position.

#### 2. There is no sound

- Make sure everything is connected firmly and properly.
- Make sure all of your components are turned on.
- Make sure the HD-DVD950 is set to the right input.
- Make sure the proper volume controls are turned up high enough.

#### 3. No picture

- Make sure everything is connected firmly and properly.
- Make sure there are no defective cables.
- Make sure all of your components are turned on.
- Make sure the HD-DVD950 is set to the right input.
- Make sure the TV or monitor is working correctly.

#### 4. The disc does not play

- Make sure the disc is inserted correctly (label-side up).
- Make sure the disc is clean and not scratched.
- If using a CD/DVD R/RW, try using a different brand as some brands might not be compatible.
- Clean the CD lens using a CD lens cleaner.

#### 5. Remote control does not work

- Make sure the batteries are inserted, inserted correctly, and not out of power.
- Point the remote control directly at the remote sensor on the machine.
- Move closer to the machine.

#### 6. The picture is unclear

- Make sure the disc is not dirty or damaged.
- Make sure that the TV TYPE (P/N button on the remote) is set correctly.

**NTSC**: In North America, Japan and many other Asian countries.

**PAL**: In Europe

#### 7. The music from an MP3 player or CD sounds hollow or very reverb:

- Make sure the surround sound quality, using the SURROUND button on the remote control or front panel, is set to MUSIC.