# ⚏ MARTIN RANGER
## DVD-600



# User Manual

INSTRUCTIONS FOR USE

# MARTIN RANGER

# Table of Contents

# 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.

www.martinrangertech.com

# MARTIN RANGER

## Safety Instructions



**CAUTION**
**RISK OF SHOCK**

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 and operating instructions should be read before the appliance is operated.

**2. Retain Instructions** - The safety and operating instructions should be reatained 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. Attachements** - Do not use attachements 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 throuhg openings.

**17. Damage Requiring Service** - The applianec 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.
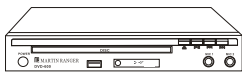
# Features and Specifications

# Features

✧ New and Slim design karaoke player that can plays from both optical discs and USB memory devices

✧ Multi-Format Player with Direct Track Access supports DVD, DVD-R, DVD-RW, VCD,CD, MP3, MP3G, DIVX, Photo-CD, CD,CD-R and CD-RW Formats

✧ Built in USB reader to play your DVD, VCD, MP3, MP3G, WMA, AVI, DAT, MPG and JPG files

✧ High definition output to let you connect to LCD TV or HDTV and enjoy great picture quality and movies

✧ Two 1/4 inch microphone inputs on the front panel

✧ 13-step digital key controller

✧ Progressive scan

✧ Remote control

✧ 100-240V AC voltage

✧ NTSC-PAL compatible for worldwide use

# 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 characterristic · · · · · · · · · · · · · · · · · · · · · · · · · · · · · RCA.S-video/video/Y,Pb,Pr/scart output

# Package Contents

DVD-600 Unit( 1 )          Remote Control(1)

**MARTIN RANGER**
**DVD-600**

User Manual
INSTRUCTIONS FOR USC
www.martinrangertech.com
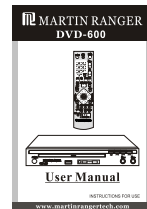
Manual(1)

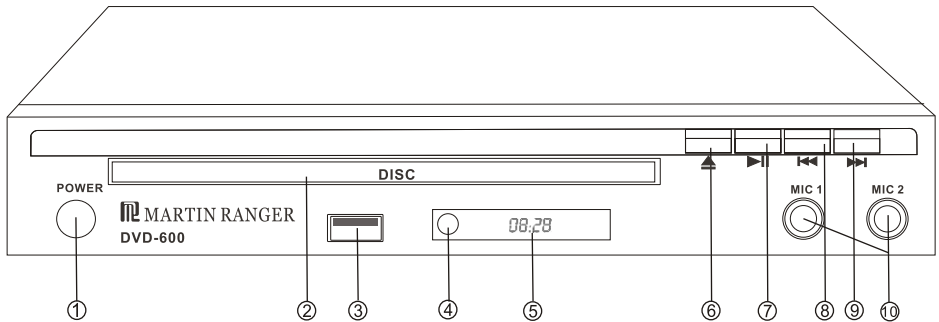| Items | Quantities |
|---|---|
| DVD-600 Unit | (1) |
| Remote Control | (1) |
| A/V RCA Cable | (1) |
| Manual | (1) |

A/V RCA Cable(1)

Note:
Please check that you have all of the above accessories supplied to you
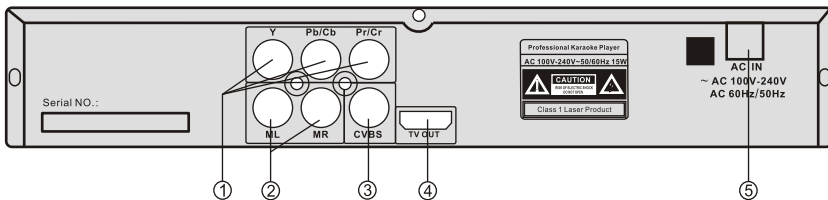If anything is missing,please contact With MARTIN RANGER or MARTIN RANGER authorized dealer

# Descriptions and Functions

## Front Panel



| POWER | DISC | MIC 1 | MIC 2 |

MARTIN RANGER
DVD-600

08:28

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

1. **POWER**-Press the button to turn the unit on or off.
2. **DISC TRAY**-Press ⏏ to open tray. Press ⏏ or ▶ to close the tray, it will play the disc automatically.
3. **USB INTERFACE -** Use this interface to connect USB devices such as flash drives or external hard drives. You may play VOB , MP3, VCD,MP3G audio/files. * support FAT32 format only.
4. **REMOTE SENSOR window-**Receive signals from remote control.
5. **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
6. **EJECT** ⏏ -This button is used to OPEN/CLOSE the DISC tray.
7. **PLAY/PAUSE-**Start to play the disc or temporarily.
8. **PREV-**Press to go to the previous track.
9. **NEXT-** Press to go to the next track.
10. **MIC 1 & 2 INPUT jacks -** Connects microphones with 1/4 inch plug.

## Rear Panel



| Y | Pb/Cb | Pr/Cr |
Professional Karaoke Player
AC 100V-240V~50/60Hz 15W
CAUTION
Class 1 Laser Product
AC IN
~ AC 100V-240V
AC 60Hz/50Hz

Serial NO.:

ML MR CVBS TV OUT

① ② ③ ④ ⑤

1. **COMPONENT VIDEO** OUTPUT-Video output for use Y,Pb/Eb,Pr/Cr component cables.
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. **VIDEO OUTPUT-** Video output using VGA cables.
4. **HDMI AUDIO/VIDEO OUTPUT**- Music A/V & karaoke vocal output by using HDMI cable.
5. **ELECTRIC PLUG -** Connect to auto-detect AC power supply(100-240V,50-60 Hz)

# Descriptions and Functions

## Remote Control
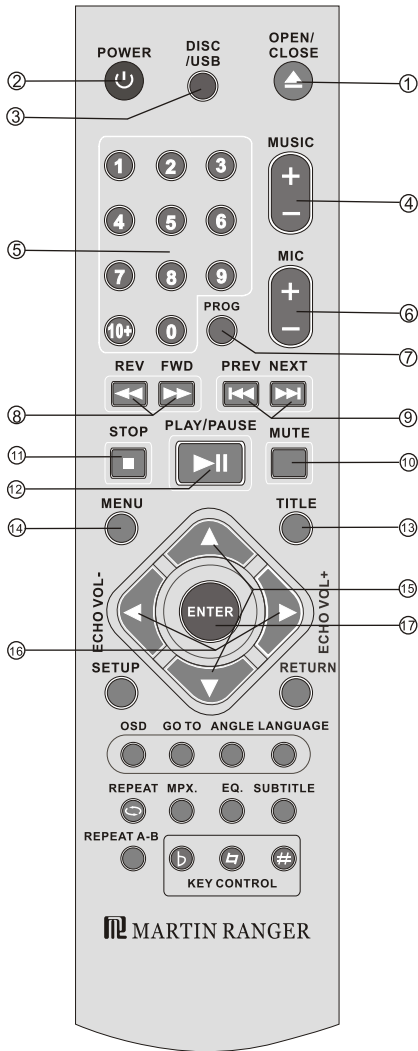


**1.OPEN/CLOSE** button-This button is used to OPEN/CLOSE the DISC tray.

**2.POWER** button-Turns the DVD-600 on or to Standby mode. To turn the DVD-600 completely off, use the power button on the front panel.

**3.DISC/USB** button- This button selects the DVD/USB player as the input to be used.

**4.MUSIC VOL** buttons-To adjust the volume of music audio output.

**5.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.

**6.MIC VOL** buttons-To adjust the volume of microphones output.

**7.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.

**8.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.

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

**10.MUTE** buttons-Mutes the sound from disc.

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

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

**13.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.

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

**15.▲▼DIRECTIONAL** buttons- These buttons allow you to navigate through the DVD menu screens, Setup Pages and MP3 menus.

**16.◄► DIRECTIONAL** buttons- These buttons allow you to navigate through the DVD menu screens, Setup Pages and MP3 menus and adjust echo volume of microphones echo output

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

5

# Descriptions and Functions

## Remote Control
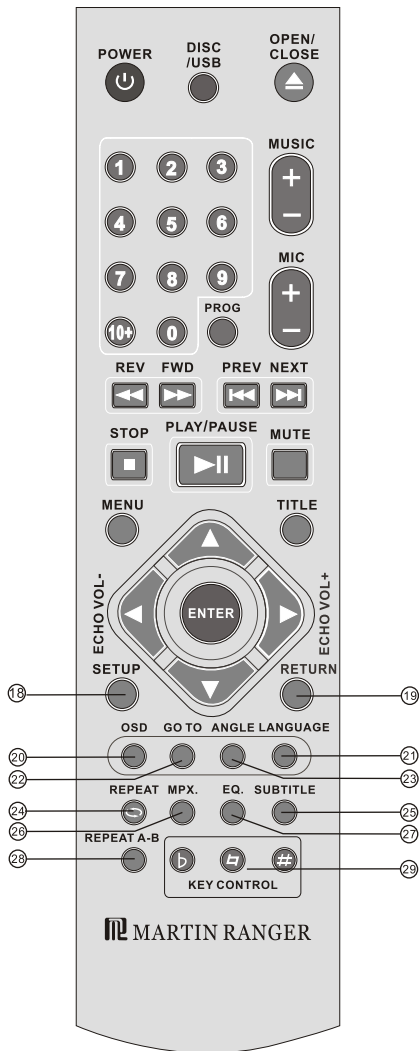


18. **SETUP** button - Use this button to access the DVD-600's setup page on the video screen. You can navigate between the General Setup Page, Audio Setup Page, Video Setup Page, preference page and the Password Setup page using the DIRECTIONAL buttons (< ^ > v) on your remote. Select options and make changes using the ENTER button on the remote.

19. **RETURN** button **-** This button is used to return to a menu screen while playing.

20. **OSD** buttons-Cycles through the different On Screen display options.

21. **LANGUAGE** button - With DVDs, Choose a variety of languages.

22. **GO TO** button-Accesses the Time menu which allows you to jump directly to a specific time on a disc.

23. **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.

24. **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.

25. **SUBTITLE** button - Cycles through the available subtitle languages on a DVD with subtitles available. **Note:** Not all DVDs will have subtitles available.

26. **MPX. (Multiplex)** button-selects Left/Righ,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/MP3+G - Cycles through the different multiplex CD/CDG/VCD/MP3/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.

27. **EQ** buttons-To choose the mode of music among the STANDARD, CLASSIC, ROCK, JAZZ, POP, USER.

28. **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.

29. **DIGITAL KEY CONTROL** buttons-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.

6

# MARTIN RANGER

# Player Connections

## USB

DISC

POWER
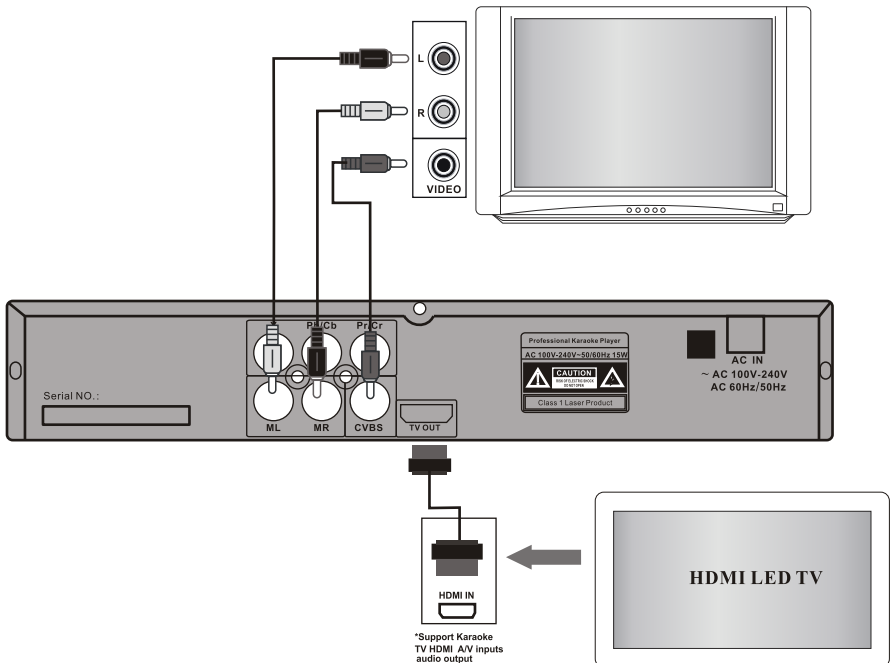
MARTIN RANGER
DVD-600

MIC 1    MIC 2

08:28

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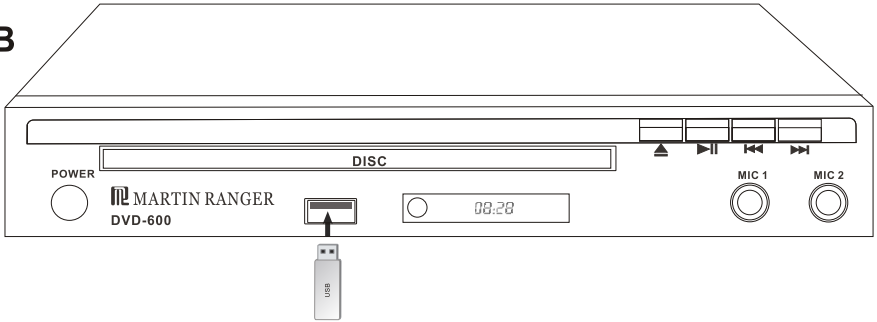
* Please see page 11 for supported files format when playback in the USB mode.

## A/V Connection

Make sure all power is disconnected from each component before connecting. Plug all cords securely to prevent unwanted noise.
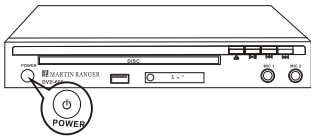
You cannot connect this player to a TV that does not contain a video input jack. The player must be connected to a TV or amplifier that is connected to a TV or monitor. The TV or amplifier must also contain audio input jacks (left and right channel).

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

L

R

VIDEO

Pb/Cb    Pr/Cr

Professional Karaoke Player
AC 100V-240V~50/60Hz 15W

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

Class 1 Laser Product

AC IN
~ AC 100V-240V
AC 60Hz/50Hz

Serial NO.:

ML    MR    CVBS    TV OUT

HDMI IN

HDMI LED TV

*Support Karaoke
TV HDMI  A/V inputs
audio output

7

# 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
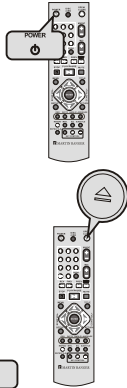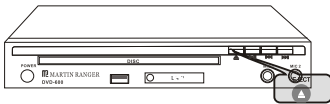
### If a menu is shown on the TV screen
When inserting a DVD or VCD disc, a menu may be displayed before playback. From the menu, you may select a desired item to be played back.

### 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 **5,000 files**. For example, 5,000 MP3s files or 5,000 MP3G songs (each MP3G contains 2 files adding up to 10,000 files; .cdg +.MP3 = MP3G).
The DVD-600 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, VOB and AVI. 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.

### 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*: USB.
*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.

# Advanced Operation

**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.

**1.Basic operation**
Once all the connection of the system have been done, this machine will be ready for service. Prior to play, make sure to complete the following preparatory operations.
1. Switch on TV and select AV mode . If it's S-Video connect select S-Video mode.
2. Switch on amplifier if it connected, select AC-3 or DVD mode.
3. Plug-in of DVD player.

NO DISC

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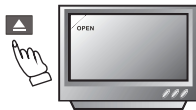
OPEN

Step1:press OPEN/CLOSE key, the tray Comes out automatically.
Step 2:place disc an the tray, press OPEN/CLOSE key to close the play, the disc will be shown on the up-lefe comer of the screen as well as shown on VFD screen.

**2.Play disc**
Once it has reed the disc, this machine will start playing automatically.
● If it is DVD ,the machine will show the DVD menu or title menu.
● If it is a CD/CDG this machine will playing in the sequence.
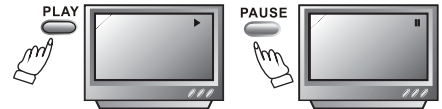
PLAY    PAUSE

Press PLAY/PAUSE key to pause, resume play.Then press it again.

Press PREV key to choose previous item or chapter.
Press NEXT key to choose next item or chapter.

PREV    NEXT
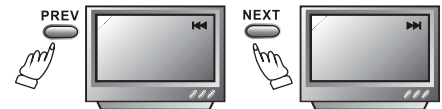
Press REV. I key to get 2X,4X,8X,20X,normal play circular fast forward function of DVD disc playing.
Press FWD I key to get 2X,4X,8X,20X,normal play circular fast forward function of other type of disc playing.

REV    2X    FWD    2X
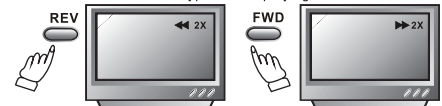
Press STOP key to get memory stop of disc playing and press PLAY key to get memory playing. Press STOP key again to stop playing.
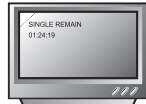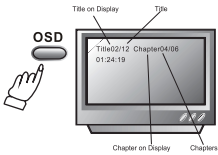
STOP

9

# Advanced Operation

## 3.Description of function

### 3.1 Screen display

In the condition of DVD disc playing, press OSD key on the remote controller to get following displays:
For first time pressing OSD key:

**OSD**

Title on Display    Title

Title02/12  Chapter04/06
01:24:19

Chapter on Display    Chapters

SINGLE REMAIN
01:24:19

For second time press DISPLAY key:

TOTAL ELAPSED
01:24:19

TOTAL REMAIN
01:24:19

For third time pressing OSD key:

For fourth time pressing OSD key:

### 3.2 N/P

Press N/P key one by one to get NTSC. PAL, auto display on the screen. (Please do it in condition of stop.)

**N/P**

TV SYSTEM [NTSC]

### 3.3 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**

SUBTITLE 02/08 ENGLISH

SUBTITLE OFF

### 3.5 MPX.

There are 8 kinds of language for selection (4 kinds of language for CD). Press LANGUAGE key to select language (This operation works only for the disc with multi language encoded). For example, to select language 1 from 2 Language options, sound field effect AC-3, 2 channels, English.

**MPX.**

AC-DD 1/3 AC-3 6.1CH  ENGLISH

### 3.6  Title

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

### 3.7  Menu

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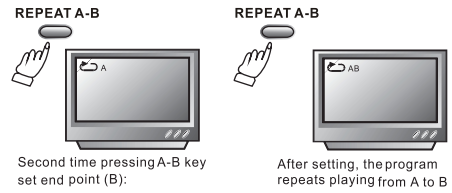
### 3.8  Direction key

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

### 3.9  Number key

Press relevant number key to play the favorite pictures according to the serious number of the menu.

### 3.10  AB Repeat

First time pressing A-B key to set initial point (A)

**REPEAT A-B**

A

**REPEAT A-B**

AB

Second time pressing A-B key set end point (B):

After setting, the program repeats playing from A to B

(A TO B CANCELLED)

Third time pressing A-B key to cancel repeat.

### 3.11 Change the DISC /USB

Use the DISC/ USB  to select monitoring signals Follow the operating instructions staed in DISC/USB in com bination with the desired option  in the folloeing fig

**DISC/USB**

DISC
USB

### 3.11  Repeat

In the condition of DVD, press REPEAT Key to get following displays:

CHAPTER

TITLE

(REPEAT OFF)

Chapter repeat on    Title repeat on    Repeat off

**REPEAT**

### 3.13 Volume and MUTE

Press volume <VOL+> key to increase volume,Press <VOL-> key to reduce volume till to no volume output.
Press MUTE key to get mute, press it again to recover it from mute.

# Basic Operation

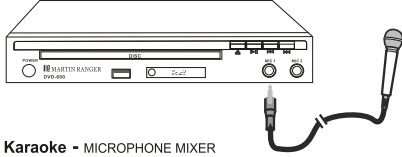## Get the most from your Karaoke Machine

### 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. adjusment.

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.
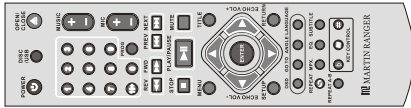


### Karaoke - REMOTE CONTROL

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.
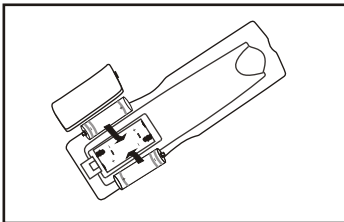


### Synchronising Sound (Microphone and Music)
Sometimes upon initial start up the music volume may be too loud or the microphone volume may be too low. Please use the following steps to synchronise your sound.
1. Adjust Music Volume on remote control (we recommend down to halfway). The volume level 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.

# 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.

TV SYSTEM
POWER RESUME
VIDEO
RESOL UTION
TV TYPE
PASSWORD
RATING
DEFAUL
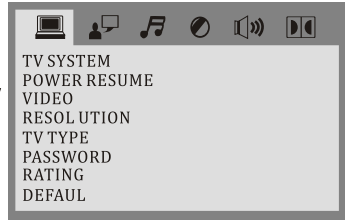
### 1. TV SYSTEM
Set the video output to your TV's system format:
● NTSC  North America
● PAL  Europe, Asia
● AUTO  Automatically detects the TV's format.

### 2. POWER RESUME
● ON:RESUME the last spot played on a disc and returns to it when the DVD950MKII is turned back on from the Standby mode.
● OFF:RESUME is off.

### 3. VIDEO
Refer to your TV manual to determine which type of video it supports. You can choose between INTERLACE-YUV,P-SCAN YPBPR,

### 4. RESOLUTION
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.

To view the standard 4:3 picture or the cut standard 4:3 picture

4:3 subtitle block to view the full width of the widescreen mode

16:9 To view widescreen picture with a widescreen TV set

Standard TV set

Widescreen TV set

NORMAL/PS        NORMAL/LB        WIDE

### 6. 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 DVD950MKII, 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).
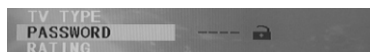
Fig(1)                                        Fig(2)

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.

12

# DVD System setup Menu

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

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

## 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, GERMAN, SPANISH, FRENCH, PORTUGUESE.

**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.


OSD LANGUAGE | ENGLISH
AUDIO LANG | GERMAN
SUBTITLE LANG | SPANISH
MENU LANG | FRENCH
PORTUGUESE
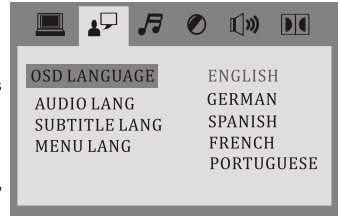
## AUDIO SETUP

**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.

**6. ECHO**
Adjust the ECHO VOL of the microphone output.


AUDIO OUT | SPDIF/OFF
HDMI AUDIO | SPDIF/RAM
MIC SETUP | SPDIF/RPCM
KEY |
MIC VOL |
ECHO |
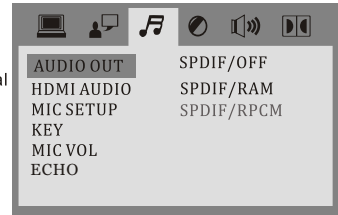
## VIDEO SETUP

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.
**5.SHARPNESS** - Adjust the sharpness of the display.


BRIGHTNESS
CONTRAST
HUE
SATURATION
SHARPNESS

13

# 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.

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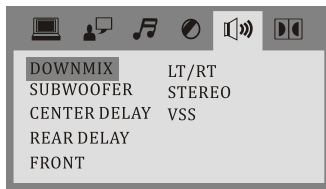- ● ON: If you have a subwoofer.
- ● OFF: If you do not have a subwoofer.

**3. CENTER DELAY**

**4. REAR DELAY**

**5. FRONT**
   Set this based on the size of your front speaker.
- ● LARGE
- ● SMALL

DOWNMIX    LT/RT
SUBWOOFER    STEREO
CENTER DELAY    VSS
REAR DELAY
FRONT

## DIGITAL SETUP

**1. 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.

**2. 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.

DYNAMIC RANGE    STEREO
DUAL MONO    MONO L
   MONO R
   MIX MONO
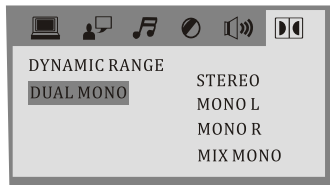
# Troubleshooting

1.There is no power
➢ Make sure the power cord is firmly connected to the back of the DVD-600 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 DVD-600 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 DVD-600 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 form an MP3 player or CD sounds hollow or very reverb:
➢ Make sure the surround sound quality, sing the SURROUND button on the remote control or front panel, is set to MUSIC.

☼ For safety reason no battery includes.

# MARTIN RANGER

## Welcome

And thank you for purchasing the Martin Ranger **DVD-600**, your ultimate choice in Karaoke entertainment! With years of experience in the music entertainment business, Matin Ranger is a leading manufacturer of Karaoke equipment, and has been providing patrons of bars, churches, schools, clubs and individual consumers the opportunity to sound like a star with full-scale club models, in-home systems and mobile units. All our products offer solid performance and sound reliability, and to reinforce our commitment to customer satisfaction, we have customer service and technical support professionals ready to assist you with your needs. We have provided some contact information for you below.

Martin Roland International Corp.
365 N. Berry Street
Brea, CA92821
TEL:714-255-8666
FAX:714-255-9666

Customer Service and Tech Support

tech@martinroland.com

Remember Our Website
Be sure to visit our website www.martinrangertech.com for the latest information on new products, packages and promos.

We look forward to hearing you sound like a PRO, with **DVD-600** the singer's ultimate choice.

## FOR YOUR RECORDS

Please record the model number and serial number below, for easy reference, in case of loss or theft. These numbers are located on the rear panel of the unit. Space is also provided for other relevant information

**Model Number**

**Serial Number**

**Date of Purchase**

**Place of Purchase**

## Compatible Video Formats

| Type | USB Supported? | Disc Supported? |
|------|----------------|-----------------|
| Divx4.12(AVI) | Yes | Yes |
| Divx5.02(AVI) | Yes | Yes |
| Divx5.20(AVI) | Yes | Yes |
| Divx5.21(AVI) | Yes | Yes |
| XVID(AVI) | Yes | Yes |
| Divx6.0(AVI) | Yes | Yes |
| Divx5.11(AVI) | Yes | Yes |
| Divx3.11(AVI) | No | No |
| Divx7.0(AVI) | No | No |
| Mp4 | No | No |
| MPEG-1 | Yes | Yes |
| MPEG-2 | Yes | Yes |
| VOB | Yes | Yes |
| DAT | Yes | Yes |