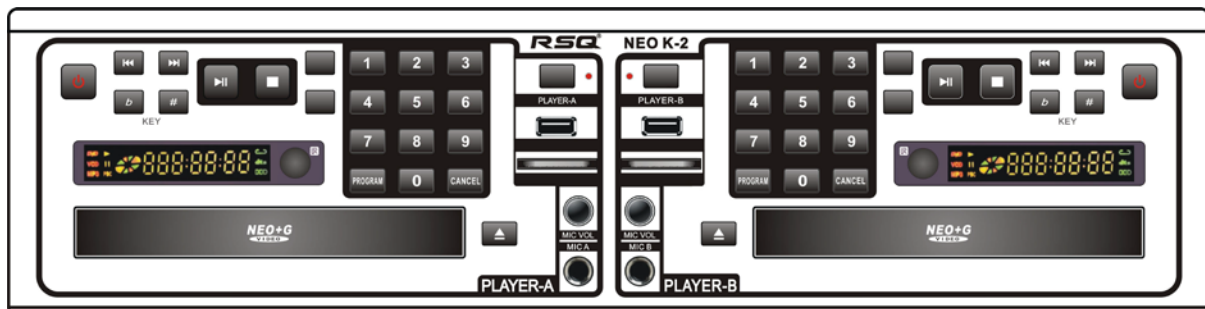# RSQ®

NEO K-2
Dual Deck Multi Format Karaoke Player
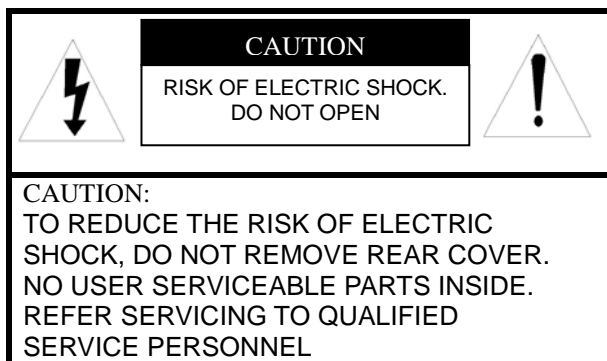### with Ripping & Recoding Function

USER'S MANUAL

Safety Warnings

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APRARAT
PRODUCTO LASER CLASE1

CLASS 1 LASER PRODUCT

This player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

	CAUTION	
	RISK OF ELECTRIC SHOCK. DO NOT OPEN	

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.

This symbol alerts you to important operating and maintenance instructions accompanying the unit.

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

Precautions

Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base(furniture), with enough space around it for ventilation(7.5~10cm). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the Player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.

During thunderstorms, disconnect AC main plug from the wall outlet.
Voltage peaks due to lighting could damage the unit.

Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.

Protect the player from moisture(e.g. vases), and excess heat(e.g. fire place) or equipment creating strong magnetic or electric fields(e.g. speakers…). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use.
Use of this product is for personal use only.
Condensation may occur if your player or disc have been stored in cold temperatures.
If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.

The battery used with this product contain chemicals that are harmful to the environment.
Do not dispose of batteries in the general household trash.

Handling discs
Do not touch the playback side of the disc.
Hold the disc the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.
Do not fall or impact the disc

Storing discs
After playing, store the disc in its case.
Do not expose the disc to direct sunlight or sources of heat, or leave it in a parked car exposed to direct sunlight, as there may be a considerable temperature increase inside the car.

Cleaning discs
Fingerprints and dust on the disc can cause poor picture quality and sound distortion.
Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.
Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

Handling the Unit
When setting up the unit, the picture and sound of a nearby TV, VCR, or radio may be distorted during playback. In this case, position the unit away from the TV, VCR, or radio, or turn off the unit after removing the disc.

Cleaning the unit
To clean the cabinet, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, benzene, or thinner, as these might damage the surface of the unit.

Before Use

Playable Media
DVD, SVCD, VCD, HDCD, Audio CD, DVD+/-R, DVD+/-RW, SVCD and CD-R/RW that contains Audio titles, , MP3, WMA, JPEG, MPEG4 or DivX files.

Regional code
This unit plays the DVD discs labeled "All"

Remote Control Operation Range
Point the remote control at the remote sensor and press the buttons
Distance: about 23ft(7m) from the front of the remote sensor

Angle: About 30° in each direction of the front of the remote sensor

Remote control battery installation
Detach the battery cover on the rear of the remote control and insert two AAA size batteries with + and – aligned correctly.
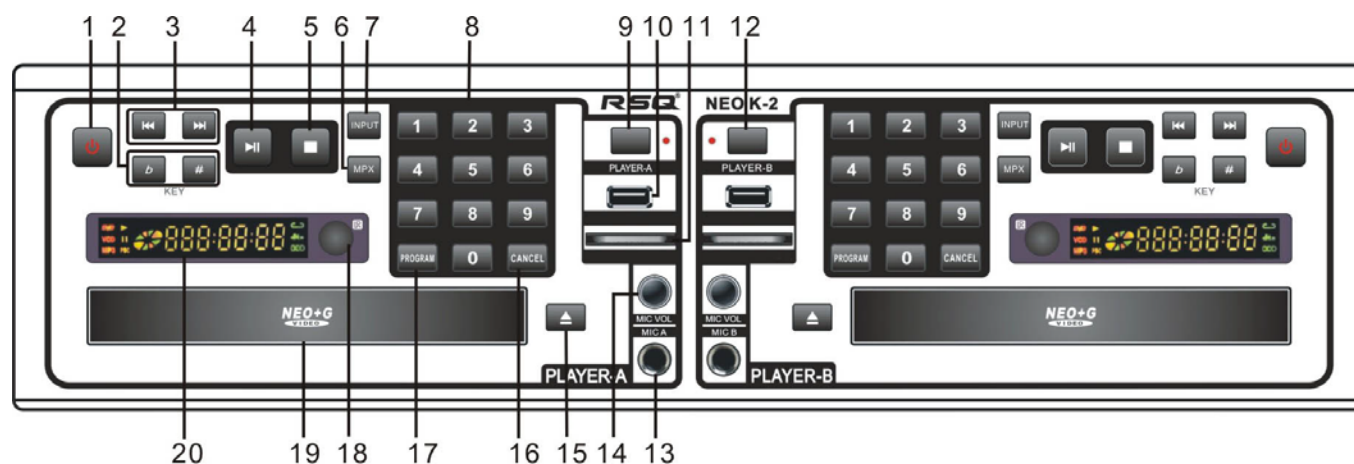*Do not expose batteries to heat or flame

Table of Contents

Description

Front Panel

1. **POWER:** Press POWER button to power the NEO K-2 on or off.
2. **KEY (b/#):** Use these buttons to adjust the b/# key of music
3. **PREVIOUS/ NEXT:** Use these buttons to skip to the next or previous track
4. **PLAY/PAUSE:** Press this button to play or pause the current track or song.
5. **STOP:** Press this button to stop playback
6. **MPX(=MULTIPLEX):** Press this button to turn on/off the vocal channel.
7. **INPUT(DISC/USB/CARD):** Press this button to select the source drive between Disc/USB and Card Reader
8. **NUMERIC(0~9):** Press Numeric(0~9) buttons to select the track or song number directly.
9. **PLAYER-A(=SWITCH TO PLAYER-A):** This button select PLAYER-A to send out through the mixed A/V OUTPUT on the rear panel.
10. **USB HOST:** Insert USB flash drives or external USB Devices (FAT or FAT32 file system only)
11. **3-IN-1 CARD READER:** Insert SD Cards here(FAT or FAT32 file system only)
12. **PLAYER-B(=SWITCH TO PLAYER-B):** This button select PLAYER-B to send out through the mixed A/V OUTPUT on the rear panel
13. **MIC INPUT FOR PLAYER-A:** Connect Microphone to here to sing with PLAYER-A only.
14. **MIC VOLUME FOR PLAYER-A:** Control the Microphone volume of PLAYER-A only.
15. **OPEN/CLOSE:** Press this button to open/close the Loader Tray
16. **CANCEL:** Press this button to cancel the wrong number input
17. **PROGRAM:** Press this button after select Track or Song Number to program.
18. **IR RECEIVER:** Receives signals from the remote control.
19. **LOADER TRAY:** Insert a disc here
20. **LED DISPLAY:** Displays graphical information of disc/song time and nuber…etc.

Description

Rear Panel
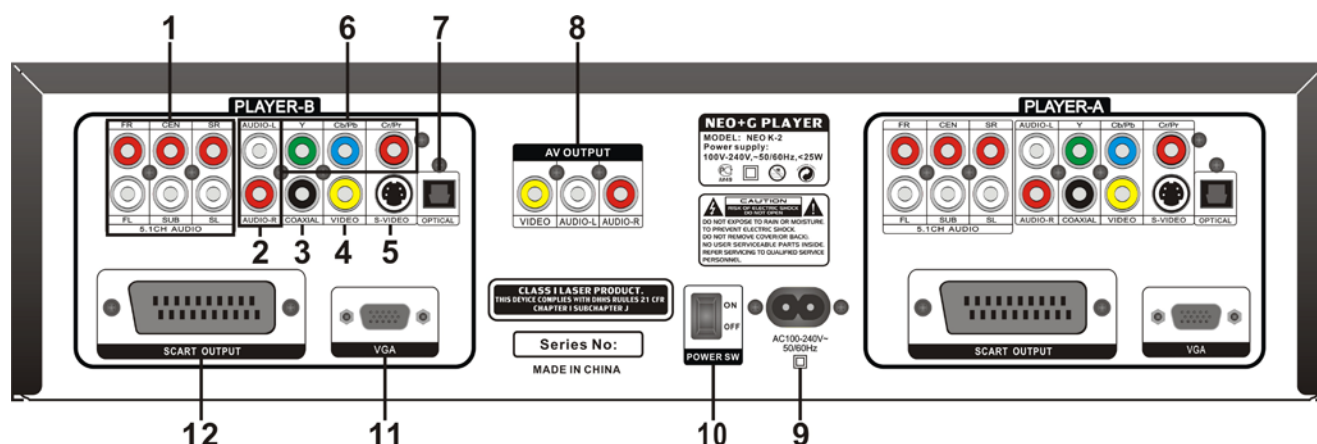
1. **5.1CH ANALOG AUDIO OUT:** These jacks are for connecting to 5.1CH ready Amplifier/Receiver.
2. **2CH AUDIO OUT:** These jack for connecting to 2CH(Left/Right) ready Amplifier/Receiver
3. **COAXIAL (DIGITAL AUDIO) OUT:** This digital audio output is for connecting devices with a coaxial cable.
4. **COMPOSITE VIDEO OUT:** This jack outputs the individual Video to a TV/Monitor
5. **S-VIDEO OUT:** This jack output the individual S-Video to a TV/Monitor via S-Video Cable(not provided)
6. **COMPONENT VIDEO OUT (Y, Pb, Pr):** These jack output Video to a TV/Monitor via an Component(Y,Pb,Pr) Cable up to 720p, 1080i and 1080p.(Component Cable not provided)
7. **OPTICAL (DIGITAL AUDIO) OUT:** This digital audio output is for connecting devices with an optical cable.

8. **MIXED A/V OUTPUT:**
    - ✓ **VIDEO:** This jack outputs from either PLAYER-A or B. Use the **PLAYER-A** and **PLAYER-B** buttons on the front panel or remote control to select the output.
    - ✓ **AUDIO(L/R):** These jacks output stereo audio from either **PLAYER-A** or **B.** Use the **PLAYER-A** and **PLAYER-B** buttons on the front panel or remote control to select the output.

9. **AC POWER CORD:** Connect the AC Power Cord to power outlet.
10. **POWER SWITCH:** This main power switch turns on/off the main power of the player.
11. **VGA VIDEO OUT:** This jack outputs the Individual Video to a PC Monitor via VGA Cable(not provided)
12. **S-CART OUT:** This jack outputs the Individual Video & Audio to a TV via S-CART Cable(not provided)

Description

Remote Control
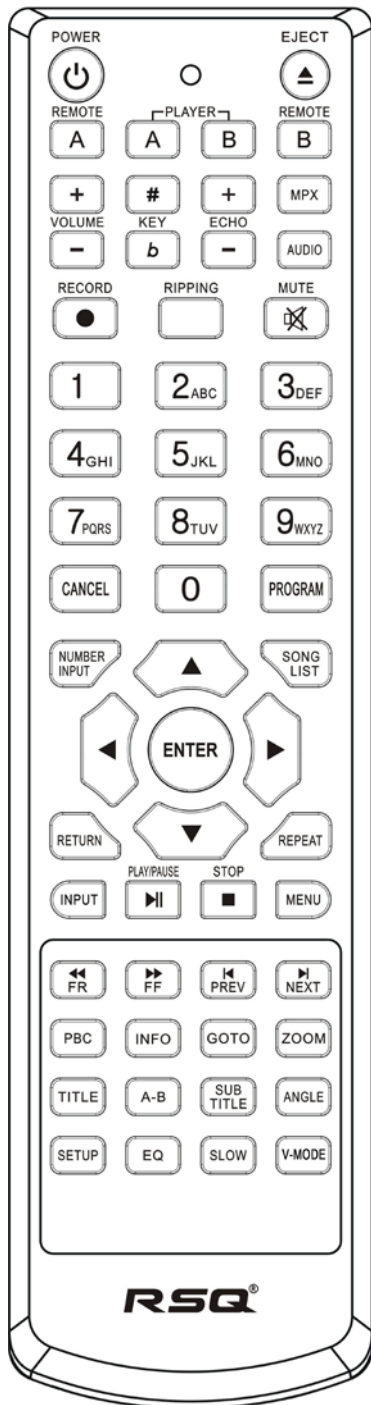
| NO	Button	NEO+G/ MP3+G Karaoke
1	**POWER**	
2	**EJECT**	Open/close the Loader Tray
3	**REMOTE A**	Select **REMOTE-A** to control PLAYER-A with remote control
4	**REMOTE B**	Select **REMOTE-B** to control PLAYER-B with remote control
5	**PLAYER-A**	Select **PLAYER-A** to play through the mixed A/V OUTPUT jack on the rear panel
6	**PLAYER-B**	Select **PLAYER-B** to play through the mixed A/V OUTPUT jack on the rear panel
7	**VOL -/+**	Adjust the Music Volume -/+
8	**Key b/# Control**	Adjust the Key b/#
9	**ECHO -/+**	Adjust the Echo -/+
10	**MPX(Multiplex=L/R/ST)**	Control the Vocal ON/OFF for Vocal song with 2CH
11	**AUDIO**	Control the Vocal ON/OFF for VOB songs with 2Audio
12	**RECORD**	Record your singing sound with NEO+G &CD+G music and graphic into USB/Card at MP3+G format.
13	**RIPPING**	Rip the Neo+G & CD+G disc to USB at MP3+G format
14	**MUTE**	Press to silence audio playback(Mute/Mute Off)
15	**NUMBERS(0~9)**	Inputs Song Numbers or Alphabet Character of Song Title
16	**CANCEL**	Cancel the Wrong Digit Input
17	**PROGRAM**	Program Songs
18	**SONG LIST**	Open/close the SONG LIST MENU of NEO+G/MP3+G Songs on the TV
19	**NUMBER INPUT**	Move to number input mode of NEO+G/MP3+G songs
20	**PLAY/PAUSE**	Play or pause a song
21	**STOP**	Stop Playback
22	**ARROW(◄►)**	Song List Page UP/DOWN
23	**ARROW(▲▼)**	Song List Line UP/DOWN
24	**ENTER(=PLAY)**	Play a song (=PLAY)
25	**RETURN**	Return to the previous step on the file list
26	**INPUT(DISC/USB/CARD)**	Change the source drive(Disc/ USB/ Card)
27	**REPEAT**	Repeat Chapter/Title/Folder…etc
28	**MENU(Song List Creating)**	Create the Song List of Neo+G/ MP3+G/AVI Songs into USB/Card at **.TXT** format(File Name: **"SONGLIST.TXT"**)
29	**FR(FAST REVERSE)**	
30	**FF(FAST FORWARD)**	
31	**PREV(PREVIOUS)**	Skip to the Previous Song
32	**NEXT**	Skip to the Next Song
33	**PBC**	Enable/ disable the menu of VCD
34	**INFO**	
35	**GOTO**	
36	**ZOOM**	
37	**TITLE**	
38	**A-B**	
39	**SUBTITLE**	
40	**ANGLE**	
41	**SETUP**	
42	**EQ**	
43	**SLOW**	
44	**V-MODE**	Video Mode Change(S-Video/ Interlaced YUV/ TV RGV/ P-SCAN YPbPr/ PC VGA in both NTSC and PAL system)

Connections

Connecting to the Power Supply

Plug the main lead (marked AC Cord on the rear of the player) into an appropriate socket
Press the Power Switch ON in the rear panel of the Player to make Standby Mode.
Press the Power button on the Front panel or Remote Control to switch the NEO K-2 Player on.
The present product can be used under the AC 100~240V~. 50/60Hz

<NOTE>
➢ Before plugging your player into a main socket, you must check the voltage.
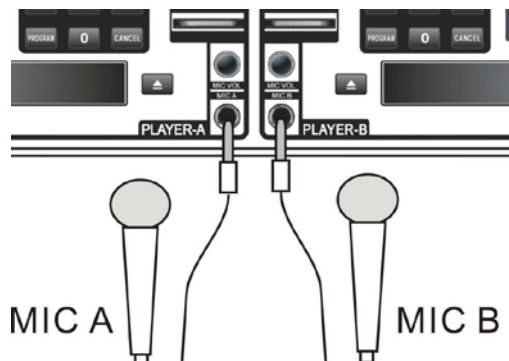
Connecting the NEO K-2 with TV/Monitor and Amplifier/Receiver
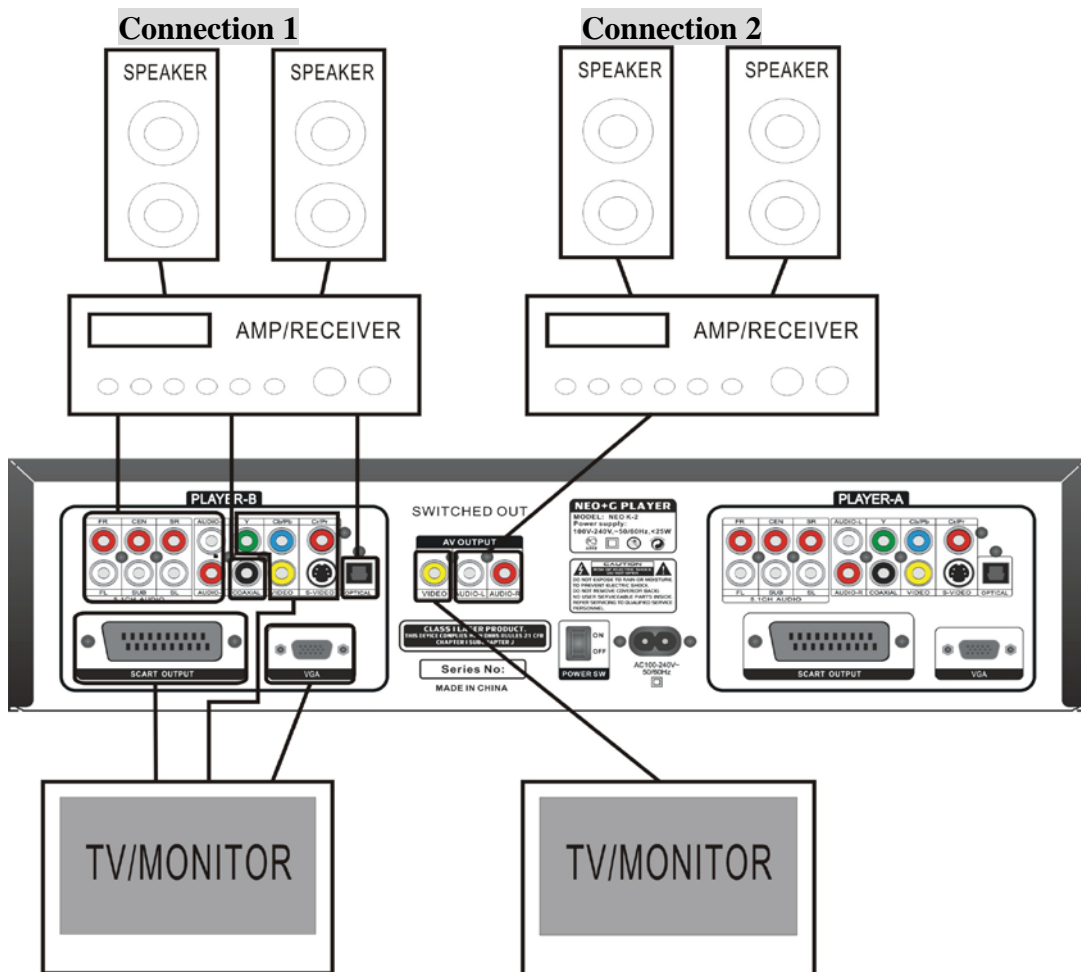
➢	**Method 1:** You can connect each **"PLAYER-A/ PLAYER-B"** drive individually using 5.1CH/2CH/Coaxial/Optical sound outputs and Composite/Component/S-Video/Scart/VGA Video outputs like above "**Connection 1**".
➢	**Method 2:** You can use both **"PLAYER-A"** and **"PLAYER-B"** drive with **One Amplifier/Receiver and TV/Monitor via switched A/V OUTPUT** like above "**Connection 2**".
➢	**Method 3:** You can use both **"Connection 1"** and **"Connection 2"** simultaneously. E.g) "Connection 1" for Karaoke DJ and "Connection 2" for Singer.

Connections

Connecting with Microphones

- ➢ **MIC A:** Connect the **MIC A** to the Mic input jack of the **PLAYER-A** to sing with **PLAYER-A** only and adjust the Mic volume level.

- ➢ **MIC B:** Connect the **MIC B** to **PLAYER-B** to sing with **PLAYER-B** only and adjust the Mic volume level.

<NOTE> To avoid feedback noise, do not place your hands near the top of the microphone and do not point the microphone directly at the output speaker. If feedback occurs, lower the volume control.
When you connect the Microphone to the Amplifier, you would not get the scoring after singing.

Connecting with USB devices and SD Card

You can play NEO+G, MP3+G, MP4, AVI, DAT, VOB, MP3, WMA and JPEG files from USB/SD.

- ✓ Connect the SD CARD or USB device to each slot on the each player.
- ✓ If any Disc is not in the Disc tray, the player will read the SD CARD or USB directly.
- ✓ If any Disc is in the Disc tray, press "**INPUT"** key at stop mode repeatedly to select USB or SD Card mode.
- ✓ And then press "**ENTER** or **PLAY**" key to start playback.

Supported file format from SD/USB:	NEO+G, MP3+G, MPEG1(*.MPG, *.DAT), MPEG4(*.AVI), DivX(*.AVI), XviD(*.AVI), MP3, JPEG(*.JPG)
Supported system:	**FAT/ FAT32 files system only** **※NTFS file system is not supported.**
Supported devices:	➢ **USB memory:** USB2.0 or USB 1.1 ➢ **3-in-1 Card:** SD/SDHC(**up to 32GB**), MMC and MINI SD Card (Class 4 or up SD card are recommend for smoothly playback and recording.) ➢ **MP3 Player**: Flash type MP3 Player. ➢ **USB HDD**: Devices that support USB2.0 or USB 1.1. （※For the USB HDD, make sure to connect an auxiliary power cord to the USB HDD for proper operation and you must turn on the power of USB HDD before connecting to the player and must pull out the USB HDD from the player before turning the power of the player off.)

< NOTE >
- ➢ The player may not fully support parts of USB Devices or Memory Card.
- ➢ Some High Resolution Video files cannot be played properly from USB because of the USB Host(v.2.0) speed of the player.
- ➢ Some MP3 players may not operate depending on the sector size of their file system.
- ➢ We cannot guarantee to read & play for the un-authorized USB/SD card. In this case, please check with your local memory dealer. Try different USB/SD brand.
- ➢ Do not insert or pull out the USB Devices or Memory card from the player during operating.
- ➢ If use a USB extension cable, the USB device might not be recognized.

Basic Operation

Basic Operation (DVD/VCD/AUDIO CD/JPEG)

POWER:	Turn On/Off the power of the Player.
REMOTE-A	Press "REMOTE-A" to operate the PLAYER-A only with remote control
REMOTE-B	Press "REMOTE-B" to operate the PLAYER-B only with remote control
PLAYER-A	Press "PLAYER-A" to play **PLAYER-A** through the mixed A/V OUTPUT jack on the rear panel
PLAYER-B	Press "PLAYER-B" to play **PLAYER-B** through the mixed A/V OUTPUT jack on the rear panel
EJECT:	Press **EJECT** to open and close the disc tray.
PLAY/PAUSE:	Press **PLAY** once to play the file/track desired Press **PAUSE** to pause the playback. To return to normal playback, press **PLAY/PAUSE** again.
STOP:	Press **STOP** key to end playback. On DVD/VCD, you can resume playback by pressing the **PLAY** key. Press the **STOP** key twice to stop playback completely.
VOLUME(+/-):	Press "**VOL +**" to raise the sound volume. Press "**VOL -**" to lower the sound volume.
NUMERIC(0~9):	Press Numeric button to select a File/Track number to play. E.g.) File Number is 1234, Press 1-2-3-4 in order and press PLAY or ENTER to start playback.
CANCEL:	Press Cancel button to clear the wrong number input.
PROGRAM (MP3/VCD/ MPEG4):	✓ Press "PROGRAM" key at stop mode and input the desired Chapter/Track/File Number and press "PLAY" to start playing in programmed order. ✓ In case of VCD, it works at PBC off mode. In case of MP3, it works in one folder only. E.g.) If want to program Chapter/Track/File No. 5. 3, 6 in order, press "RESERVE + 5, +3, +6 and PLAY". ✓ To terminate the program playback, press "RESERVE" Button in STOP mode and click "CLEAR" Icon on the TV Screen. Or OPEN and CLOSE the disc tray.
INPUT (DISC/USB/ CARD):	**Device Change between DISC, USB and CARD** This function works only when the USB or SD Card was connected to the Player. Press **"MODE"** key to switch between DISC, USB and CARD mode at stop mode. <NOTE> In case, both SD Card and USB was connected to the player. The Player won't work at the same time. In case, no disc is being played, the device mode will automatically switch to USB device and play the first track on the device.
MPX (MULTIPLEX =L/R/ST):	**Vocal ON/OFF** This is used to select the left and right tracks of VCD/ MP3/CD discs which have a multiplex demonstration vocal track. ✓ **LEFT VOCAL(Vocal Auto):** When Vocals are on the Left and Music is on the Right, when singing with Mic., the Left Vocal will be canceled automatically. When singing with Mic. Stop, The Left Vocal comes up again automatically. ✓ **RIGHT VOCAL(Vocal Auto):** In case of Music on Left and Vocal on Right, when sing with Mic., the Right Vocal will be canceled automatically. When stop singing with Mic., the Right Vocal comes up again automatically. ✓ **MONO LEFT(Vocal Off):** Playing of Left Channel Sound only ✓ **MONO RIGHT(Vocal Off):** Playing of Right Channel Sound only ✓ **STEREO (Vocal On):** Stereo playback of Demo Vocals and music.
AUDIO (DVD/MPEG4):	Press AUDIO key to select different audio channel or languages of DVD disc or AVI files.
MUTE :	Press MUTE repeatedly to disable and enable the sound output.
FR/ FF (◄◄ / ►►):	**Fast Search(MPEG4/ DVD/ VCD/ CD/ MP3 only)** At each time you press the button, you can modify the speed as follows; ✓ **FR(Fast Reverse)** : 2X, 4X, 8X, 20X, Normal Play. ✓ **FF(Fast Forward)**: 2X, 4X, 8X, 20X, Normal Play.
PREV/ NEXT (I◄◄ / ►►I) :	**Skip to another Chapter/ Track** Press either **NEXT** or **PREV** button to skip the song, track or file forward or reverse.

Basic Operation

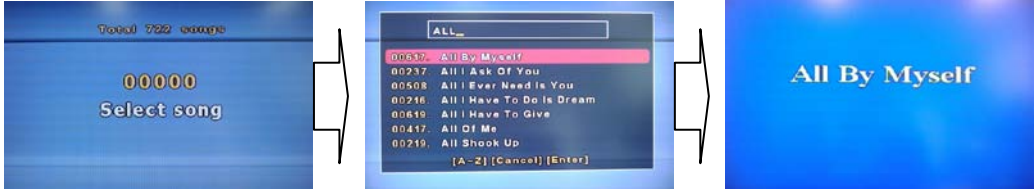|	
ARROW **(▲▼◀▶):**	Press ARROW keys to navigate the File/Folder
ENTER:	Press ENTER key to confirm the desired menu.
RETURN:	Press **RETURN** key to return to previous level of the Menu.
MENU (DVD/MPEG4):	Press **MENU** key to the disc menu mode on the screen. Press **ARROW** buttons or **NUMERIC** buttons (0~9) to select a play option and press ENTER button to confirm.
REPEAT (DVD/ VCD/ CD/ MP3/MPEG4):	You can play a chapter, track, title or entire disc repeatedly. Press **REPEAT** continuously to choose a Repeat mode during playback. ✓ **DVD:** "CHAPTER /TITLE / REP-ALL/ OFF" ✓ **VCD, CD:** "REP-1/ REP-ALL/ OFF" (*You can activate repeat function at PBC OFF mode.) ✓ **MP3/MPEG4:** "REP-1/ REP-DIR/ REP-ALL/ OFF"
PBC:	**Playback Control for VCD 2.0 only** If your CD case is marked as VCD2.0 or PBC, you can select desired information or image in the MENU on the screen. You may have different initial image according to the contents included in the Disc. ✓ **PBC ON**: When inserting a disc, a menu (if available) may be displayed before playback. Using the Numeric Keys (0-9), enter the desired track number and press ENTER to being playback. ✓ **PBC OFF**: Select PBC OFF to skip the Disc menu and play directly from the beginning
INFO :	You can display the playback time and disc information on the screen. Press **"INFO"** repeatedly to change the display mode including singles time C, title time T, countdown and cancel.
GOTO:	**Time Search (DVD/ MPEG4/ VCD)** The Time Search function allows you to start playback at any chosen time on the disc. Press **GOTO** key and use **ARROW** keys to select chapter or input the chapter or time by the **Numeric Keys (0-9)** and press **ENTER** key to play. (*CD+G GOTO function is not supported)
ZOOM(MPEG4/ DVD/VCD/JPEG):	You can aggrandize the image during the playback or pause mode by pressing the "ZOOM" button repeatedly. ("2X → 3X → 4X → 1/2→1/3→1/4→OFF")
TITLE (VCD/DVD):	Press **"TITLE"** key to enter the TITLE mode of Disc.
A-B (DVD/MPEG4/ VCD/ CD):	✓ Press **A-B** once at point (A) where you wish to begin the repeat. ✓ Press **A-B** again at point (B) where you wish to end the repeat. Then the player will repeat playback between A and B. ✓ Press **A-B** key at third time to turn off A-B repeat mode. When press **STOP** during playback, A-B repeat is canceled.
SUBTITLE (DVD/ MPEG4):	Press **SUBTITLE** repeatedly to select different subtitle languages. Depending on the Disc, you can have different language options for subtitle.
ANGLE(DVD):	Press **ANGLE** to enjoy multi angle viewing when your DVD disc is recorded with multi angle. The current angle appears on the Screen.
SLOW:	Press **SLOW** repeatedly to play slow forward/ reverse motion.
EQ (Equalizer):	You can enjoy diverse genres of music with the Equalizer. ✓ Select a desired genre by pressing EQ button from following EQ modes. ✓ "CLASSIC/ ROCK/ JAZZ/ POP/ USER/ STANDARD" ✓ If you selected USER mode, you can adjust the elements by pressing arrow buttons.
V-MODE:	Press **V-MODE** repeatedly to cycle Video mode (S-Video/ Interlaced YUV/ TV RGV/ P-SCAN/ YPbPr/ PC VGA in both NTSC and PAL system)
SETUP:	Press SETUP button to enter or close the setup mode.

Special Operation

Special MPEG4 Operation

SUPPORTED VIDEO FORMATS:	**DivX 4.x, 5.x, XviD, DivX Pro**(Excluding QPEL and GMC) <NOTE> ✓ Bit rate may fluctuate; Device may skip encoding the high bit rate portions and begin decoding again when Bit rate returns to normal. **Maximum bit rate: 4Mbps.720*480 @30fps, 720*576 @25fps** ✓ Aspect Ratio: Although default DivX resolution is 640*480 pixels (4:3), this product supports 720*480 pixels. **Video resolution higher than 800 pixels will not be supported.**
SUPPORTED AUDIO FORAMTS:	<table><tr><th>Format</th><th>MP3</th><th>WMA</th><th>AC3</th><th>DTS</th></tr><tr><td>Bit Rate</td><td>80~348kbps</td><td>56~192kbps</td><td>128~348kbps</td><td>1.5Mbps</td></tr><tr><td>Sampling Frequency</td><td>44.1khz</td><td>44.1khz</td><td>44.1/48khz</td><td>44.1khz</td></tr></table> ✓ DivX files, including audio and video files, created in the DTS format can only support up to 6Mbps. ✓ When you play a disc whose sampling frequency is higher than 48khz or 320kbps, you may experience shaking on the screen during playback.
SUPPORTED SUBTITLE:	Smi, Srt, Sub with English

< NOTE ! >
➢ It is normal to experience an occasional pixilation during MPEG4 playback due to clarity of digital contents during internet downloading.
➢ Some MPEG4 files created on a personal computer may not be played back. That is why Codec Type, Version and Higher resolution over the above specification is not supported.
➢ This unit supports CD-R/RW written in MPEG4 in accordance with the "ISO9660 format"

Special JPEG Operation

DIGEST FUNCTIONS (JPEG)	This function shows the content of the current folder or the whole disc. ✓ Press **PBC** at stop mode, A thumbnail of **6 pictures** appears on the TV screen. ✓ Press **ARROW** keys to highlight one of the pictures and press **ENTER** to start playback. ✓ Press **STOP** key during the playback of Picture to return to the File menu.
PLAYBACK WITH MULTI-ANGLE (JPEG)	During playback, press Arrow(◀▶ ▲ ▼) buttons to rotate the picture on the TV screen. ✓ ◀: rotate the picture anti-clockwise ✓ ▶: rotate the picture clockwise ✓ ▲: flip the picture vertically ✓ ▼: flip the picture horizontally

NEO+G Karaoke Operation

PLAYING NEO+G DISC:	✔ Insert a **Karaoke Disc(NEO+G/MP3+G)** into the Tray of the player. ✔ Select a desired song with "**SONG NUMBER INPUT"** or with "**SONG LIST MENU**" ✔ Press **PLAY/PAUSE** or **ENTER** button to start playback. ✔ To stop playback, press **STOP** button.
MICTROPHONE SETTING:	Connect the microphone to the MIC INPUT jack on the front panel.(*Refer above process "**Connecting with Microphones**" in page 8) Adjust the Microphone volume level with Mic Volume Knob on the front panel.
MIC VOLUME:	You can adjust the microphone volume level with **"MIC VOL"** knobs on the front panel.
SONG SEARCH	**WITH NEO+G SONG'S NUMBER:** ✔ Insert the NEO+G Karaoke Disc or USB/SD into the player. ✔ Input desired Song's Number with the **NUMERIC(0-9)** keys on the remote control. ✔ Press **ENTER or PLAY** key to start play ✔ To stop playing Music, press **STOP** key. ✔ To delete wrong number input, press **CANCEL** key. **WITH SONG LIST ON THE SCREEN.** At the "Select Song" mode, press "**SONG LIST**" key to display all **SONG LIST** in the disc on the Screen. ① Input **ALPHABET** of Song's Title with **NUMERIC(2-9)** keys on the remote. ② After select a desired song and press **PLAY** or **ENTER** key to start play. ③ To stop playing music, press **STOP** key. Eg) Search "**All By Myself**" , "**ALL BY MYSELF**" as follows;
NUMERIC(0~9):	✔ You can use to input a desired **SONG NUMBER on the Select Song mode**. ✔ You can use to input **ALPHABET of the Song Title on the SONG LIST.**
CANCEL:	You can remove the Wrong Number input.
VOLUME (+/-):	You can adjust the audio volume level with **"VOLUME(+/-)** buttons on the remote control.
KEY +/- :	Press '**KEY +/ -**' to modify the KEY of the music to match your vocal.
ECHO (+/-):	You can adjust the echo level of voices with **"ECHO +/- "** keys on the Remote Control.
MPX (MULTIPLEX)	You can cancel the Vocal sound in Left or Right Channel of Music.
AUDIO	You can **cancel the Vocal sound in Dual Audio of VOB or AVI files.**
REPEAT (For MP3+G):	Press **REPEAT** to change the repeat mode of reserved song by ONE, DIRE, ALL and OFF. ✔ ONE: Repeat the current played song until press stop button. ✔ DIR: Repeat the folder of the current played song until press stop button ✔ ALL: Repeat all songs continuously until press stop button. ✔ OFF: Repeat Off

NEO+G Karaoke Operation

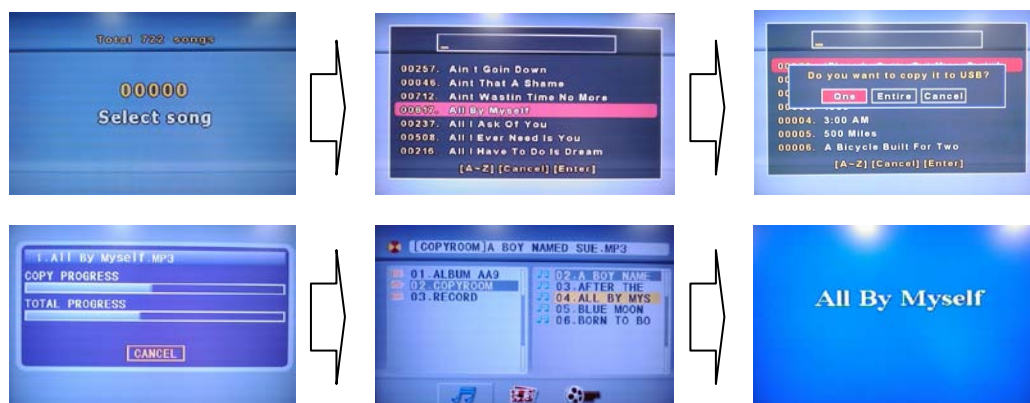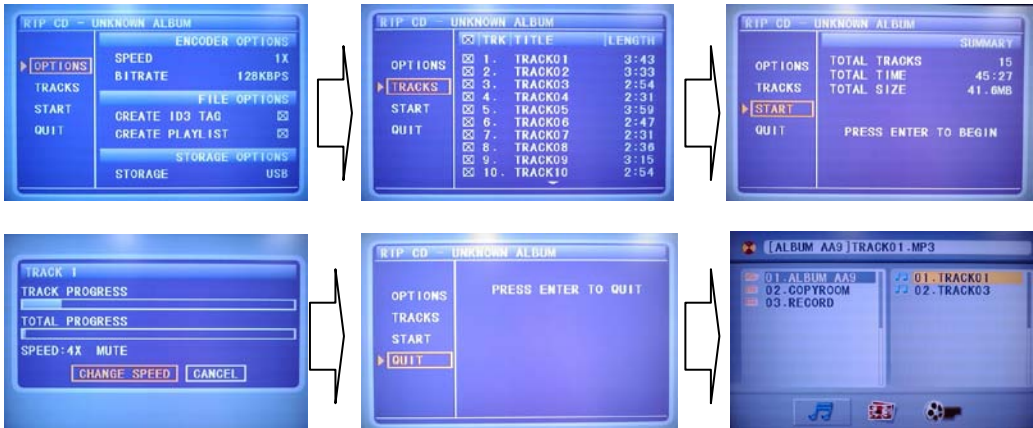|	
RECORDING OF SINGING: (NEO+G, MP3+G)	You can record your singing sound & graphics with **Neo+G & MP3+G songs** into USB/SD at **MP3+G format.** ① Please connect a **USB/SD Card** and **Microphone** into the Player in advance and play a **NEO+G or MP3+G song from Disc** or **USB/SD.** ② After select a desired song on the all **NEO+G/MP3+G SONG LIST**, press **"RECORD"** key to start recording into **USB/SD**. ③ Your Singing Sound, Music and Graphic of **NEO+G/MP3+G Music** will be saved at "**RECORD**" folder in **USB/SD** at **MP3+G format.** ④ To stop recording, press "**STOP"** key. After recording finished, press "**INPUT"** key to enter the **USB/SD mode** and you can re-play the recorded **MP3+G files** from "**RECORD**" folder.

NEO+G/ MP3+G DISC RIPPING	You can rip **the NEO+G/ MP3+G Disc** with **High speed (8X)** into USB/SD at **MP3+G format** including **Music and Graphics**.
	 ① After connect a **USB/SD Card** with the Player in advance and insert a **NEO+G Disc** to the Player.
	 ② Press **"SONG LIST"** key to display the all NEO+G SONG LIST MENU.
	 ③ After select desired song **on the NEO+G/ MP3+G SONG LIST**, press **"RIPPING"** key
	 ④ When "**Do you want to copy it to USB or SD?**" displayed, select **"ONE or ENTIRE"** to start Ripping or select **"CANCEL"** to cancel Ripping.
	   ✓ **ONE**: You can rip only one song only.
	   ✓ **ENTIRE**: You can rip from a selected file to the end file entirely.
	 ⑤ The Ripped song will be saved at **"DISC TO MP3G"** folder in **USB/SD** at **MP3+G format.**
	 ⑥ If want to rip more NEO+G songs, please repeat from step ② to ④.
	 After Ripping finished, press "**INPUT"** key to enter the **USB/SD mode** and you can re-play the ripped files at **"DISC TO MP3G"** folder in USB/SD.

NEO+G Karaoke Operation

CD+G DISC RIPPING	You can **rip the CD+G Disc with High speed (4X)** into USB/SD at **MP3+G format** including **Music and Graphics.**
	① After connect a **USB/SD Card** into the Player in advance, insert a **CD+G Disc** to the player.
	② Press **"RIPPING"** key at stop or playback mode.
	③ Set the ripping **OPTION** such as "SPEED(1X-4X)/ BITRATE/ ID3 TAG/ PLAYLIST".
	④ Then select desired **TRACK** of the CD+G Disc.
	⑤ Then, select **START** and press **ENTER** to begin Ripping.
	⑥ During the Ripping, you can change the Ripping Speed between 1X and 4X.
	⑦ When the Ripping done, select **QUIT** and press **ENTER** to Exit ripping mode.
	⑧ The Ripped song will be saved at **"DISC TO MP3G"** folder in **USB/SD** at **MP3+G** format with following file name order automatically..
	E.g) TRK<u>AAA</u>01
	    TRK<u>AAA</u>02
	    …..
	    TRK<u>AAA</u>10 etc. *<u>**AAA**</u>: It means the Disc ID and it will be changed according to each CD+G disc. ***Number(01, 02...etc):** It means the Track No. of each CD+G Disc.
	⑨ After Ripping finished, press "**INPUT"** key to enter the **USB/SD mode** and you can re-play the ripped files from **"DISC TO MP3G"** folder in USB/SD.
	⑩ If want to rip more CD+G Disc, please repeat from step ① to ⑦.

SONG LIST CREATING (NEO+G/MP3+G/ AVI)	You can create the **SONG LIST of NEO+G/ MP3+G/ AVI files in DISC/USB/SD** into **USB/SD** at ***.TXT(SONG LIST.txt)** format and you can make the SONG BOOK with this file. **[In case of NEO+G/ MP3+G files]** ✓ Please open "**SONG LIST**" by pressing "**SONG LIST**" key at the stop mode of NEO+G/ MP3+G Disc/USB/SD. ✓ Then, press "**MENU**" key to create "**SONG LIST.txt**" file at USB/SD. **[In case of AVI files]** Press "**MENU**" key directly on the AVI file list to create "**SONG LIST.txt**" file at USB/SD.
PROGRAM (NEO+G/MP3+G/ AVI)	✓ Press "**PROGRAM**" key in stop mode and input the desired **NEO+G File Number** one by one and press "**PLAY**" to start playing in programmed order. E.g.) If want to program NEO+G File Number 00001, 00200, 00450 in order, press "**PROGRAM + 00001, +00200, +00450 and PLAY"**. ✓ To terminate the program playback, press "**PROGRAM**" key in STOP mode and click "**CLEAR**" Icon on the TV Screen. Or OPEN and CLOSE the disc tray.

System Setup

System Setup

TV System	The TV setup is for switching to different TV system (NTSC, PAL60, PAL and AUTO). *If you don't know which TV system you have, just select AUTO.
SCREEN SAVER:	Turn the screen saver ON and OFF.
HDTV Output:	If the disc is HD, select the corresponding HD resolution(HD OFF/ 720P / 1080i / 1080P). If your TV is not a HDTV but with video type set on 720P or 1080P, the image will not be displayed well. In this case, Press **V-MODE** key repeatedly to return to the regular TV image.
VIDEO:	Select a Video Output according to your equipment setup.
TV Type:	For a normal TV, select 4:3PS(Pan and Scan) or 4:3(Letter Box). For a wide-screen TV, select 16:9.
PASSWORD:	Input 4 numbers to setup your own password. When you set up a password, the player may ask you to enter password if you want to change some system settings. Please save your password safely because once your password has been set, We will not able to retrieve it. *Default password: **0000**
RATING:	When changing the setting, you need to enter your password. Rating level is base on the information of the discs. ➢ **1 KID SAFE:** It will play all discs. ➢ **2 G:** General Audience; recommended as acceptable for viewers of all ages. ➢ **3 PG:** Parental Guidance suggested. ➢ **4 PG13:** Material is unsuitable for children under age 13. ➢ **5-6 PG-R:** Parental Guidance - Restricted; recommended that parents restrict children under 17 from viewing or allow to view only when supervised by a parent or adult guardian. ➢ **7 NC-17:** No children under age 17; not recommended viewing for children under age 17. ➢ **8 ADULT:** Mature material; should be viewed only by adults due to graphic sexual material, violence or language.
DEFAULT:	Change back to factory setting.
RESUME:	Turn the resume ON and OFF

Language Setup

OSD LANGUAGE:	You can select a language of the screen. Factory Default OSD is ENGLISH.
AUDIO LANG:	You can select a language of the audio.
SUBTITLE LANG:	You can select a language of the subtitle.
MENU LANG:	You can select a language of the menu.

Audio Setup

AUDIO OUT:	Select an Audio Output according to your audio connection. To cancel COAXIAL or OPTICAL connection, use SPDIF/OFF. ➢ **SPDIF/OFF**: Analog audio output through the jacks on back panel (FL, FR, RL, RR, Center, Sub-Woofer). ➢ **SPDIF/RAW**: Through the Coaxial/Optical jack to output Dolby 5.1CH digital or DTS digital audio. ➢ **SPDIF/PCM**: Through the Coaxial/Optical jack to output PCM digital audio.
SCORE:	In order to get the Score Output after singing with Microphone, please set to **"AUTO"** If no need to get the Score, please set to **"OFF"**.
KEY:	Change the key of music, same function as the key controls on the remote control. (-6, -4, -2, 0, 2, 4, 6)
ECHO:	Change the Echo Level of Microphone Sound Output(OFF/2/4/6/8).
MIC VOL:	Change the Microphone Sound Volume(OFF/2/4/6/8).

System Setup

Video Setup

BRIGHTNESS:	Set the brightness of the video from range 0-12.
CONTRAST:	Set the contrast of the video from range 0-12
HUE:	Set the hue of the video. +color to increase red color, -color to increase green color.
SATURATION:	Set the degree of the saturation of the video.

Speaker Setup

DOWNMIX:	Switch the audio output from LT/RT Mono, STEREO, VSS and 5.1CH mode. In LT/RT Mono Mode, two sound tracks will be mixed and the difference between these two tracks will be enhanced. In VSS mode, two sound tracks will be mixed and the difference between these two tracks will be decrease.
SUB WOOFER:	You can turn ON the sub woofer in 5.1CH mode.
CENTER DELAY:	You can adjust the center speaker delay upto 0-5MS according to the position of your center speaker.
REAR DELAY:	You can adjust the rear speaker delay upto 0-15MS according to the position of your rear speaker.
FONT:	Change the font to LARGE or SMALL.

Digital Setup

OP MODE:	To set the Dolby digital output, you can switch between Line Out(encode signal) and RF REMOD(raw signal)
DYNAMIC RANGE:	To set the scale of dynamic range in Dolby digital logic sound effect.
DUAL MONO:	**In Dolby sound effect, to set the Dual Mono modes from STEREO, MONO L, MONO R and MIX MONO.** ➢ **STEREO:** The proper channels output through both right and left speakers. ➢ **MONO L**: the left side channel output through both right and left speakers ➢ **MONO R:** the right side channel output through both right and left speakers. ➢ **MIX-MONO:** the mixed two channel output through both right and left speakers.

Trouble Shooting

	Symptom	Remedy
C O M M O N	No power	Insert the AC power plug securely into the power outlet and press "Power" button on the front panel.
	Play fails to start even when PLAY is pressed. Play starts but then stops immediately	Condensation has formed: wait about 1 to 2 hours to allow the player to dry out. This player cannot play discs other than DVDs, VCD and CDs The disc may be dirty and may require cleaning. Ensure that the disc is installed with the label side up.
	No Picture	Ensure that the equipment is connected properly. Ensure that the input setting for the TV is "Video"
	No sound Distorted sound	Ensure that the equipment is connected properly. Ensure that the input setting for the TV and stereo system are correct.
	Picture is distorted during fast forward or fast reverse.	The picture will be somewhat distorted at times: this is normal.
	Picture freezes momentarily during playback	Check the disc for fingerprints/scratches and clean with a soft cloth wiping from centre to edge.
	No fast forward or reverse play.	Some discs may have section which prohibit fast forward or fast reverse.
	No 4:3(16:9) picture	Choose the correct setup "TV" item which matches the TV set used.
	No operations can be performed with the remote control.	Check if you selected the right remote between REMOTE-A and REMOTE-B. Check the batteries are installed with the correct polarities (+and-). The batteries are depleted: replace them with new ones. Point the remote control unit at the remote control sensor and operate. Operate the remote control unit at a distance of not more than 7 meters (23feet) from the remote control sensor. Remove the obstacles between the remote control unit and remote control sensor.
	No key operation (by the unit and/or the remote control) is effective.	Set the POWER button to OFF and then back to ON. Alternatively, turn off the power, disconnect the power plug and then re-connect it.
	On-Screen Menu Icons not displayed or only partially displayed on the TV Screen.	Select the appropriate TV Screen type by consulting the operating manual for the TV.
	The main unit is not working. The DVD player is not working normally.	While "NO DISC" message appears on the display of main unit, enter the SETUP mode and select DEFAULT and all settings will return to the default values. Press POWER button.
D V D	Play does not start even when title is selected.	Confirm the 'RATING' setting.
	Audio soundtrack and/or subtitle language is not the one selected at the initial settings.	If the audio soundtrack and/or subtitle language does not exist on the disc, the language selected at the initial settings will not be seen/heard.
	No subtitles	Subtitles appear only with discs which contain them. Subtitles are cleared from the TV monitor. Perform the steps to display the subtitles.
	Alternative audio soundtrack (or subtitle) languages fail to be selected.	An alternative language is not selected with discs which do not contain more than one language. In the case of some discs, the alternative language cannot be selected by operating the AUDIO or SUBTITLE button. Try selecting it from the DVD menu if one is available.
	Angle cannot be changed.	This function is dependent on software availability. Even if a disc has a number of angles recorded, these angles may be recorded for specific scenes only
O T H E R S	No menu play	This function works only for VCD with playback control (PBC).
	Unable to play MPEG4 movies	Check that the MPEG4 file is encoded in Home Theater mode with DivX 5.x encoder.
	Microphone does not work.	Check if the microphone is switched ON. Check if the microphone connected to the right player between PLAYER-A/B. Check if the Microphone volume of the Player and or Amplifier is fixed at the minimum level and adjust it. Check if the microphone is detective. If so, exchange it.
	When using the microphone, the speaker makes a noise.	Keep the microphone far from the speaker. Do not place it toward the speaker either.
	Scoring has no function	Connect the MIC to the Player correctly and check the Score Setting at Setup. Please sing each song with enough voice output level for over 1 minute.
	Unable to recognize USB/CARD	Pull out USB/SD CARD and re-connect to the player. Check if the USB cable is plugged in correctly. Check the USB HDD whether have the auxiliary Power input. If not, you must connect the auxiliary power cord to them for proper operation. Check the USB HDD formatted with FAT/FAT32 file system.

Specification

Supported Format	· **Supported Media:** DVD, VCD, SVCD, MPEG4, DivX, Xvid, HDCD, Audio CD, DVD+R/RW, CD+R/RW, MP3, WMA, OGG and JPEG. · **Video Format:** NEO+G, MP3+G, CD+G, MPEG1(*.dat, *.mpg), MPEG2(*.vob), MPEG4, DivX, XviD(*.avi), JPG · **Audio Format:** PCM, Dolby Digital AC3, DTS, MP3, WMA and OGG · **Subtitle Format:** .smi, .srt, .sub

System	· **TV System**: PAL/NTSC/Multi System
	· Frequency response:
	  ✓ DVD(PCM 96kHz): 4Hz-44kHz
	  ✓ DVD(PCM 48kHz): 4Hz-22kHz
	  ✓ CD/VCD(44.1kHz): 4Hz-20kHz

Video Output (PLAYER-A/B)	· Compotiste, S-Video, Component(Y, Pb, Pr), S-Cart, VGA Output · Progressive Scan up to 720P, 1080i, 1080P · Support PAL & NTSC Disc
Audio Output (PLAYER-A/B)	· Analog 2CH Output: AUDIO L, AUDIO R(2Channel) · Analog 5.1CH output: F/L, F/R, C, S/W, R/L, R/R · Digital 5.1CH output: Optical, Coaxial · S-Cart output
Mixed A/V Output	· Composite Video output-1EA · 2CH Stereo Audio output
Input (PLAYER-A/B)	· Microphone Input: 2EA · USB Host: 2EA, Ver.2.0 Full Speed, compatible with External HDD (FAT/FAT32 file system only). · Card reader: 2EA, support SD, MMC, MS up to **32GB(SDHC)**
Others	· .Power source : AC 100-240V~ 50/60Hz(Free Volt) · .Power consumption : < 25W · .Operating temperature : +5° ~ +38°(41°F to 95°F) · .Operating Humidity: 10% ~ 75%