

MadBoy[®]

...have fun, just sing!



MFP-2000

MULTI-FORMAT PRO KARAOKE PLAYER



OWNER'S MANUAL

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Before attempting to connect, operate or adjust this player, please read these instructions completely.

Safety information

CAUTION:

DVD/VIDEO CD/CD PLAYER IS A CLASS 1 LASER PRODUCT. HOWEVER THIS DVD/VIDEO CD/CD PLAYER USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE DVD/VIDEO CD/CD PLAYER CORRECTLY AS INSTRUCTED.

WHEN THIS DVD/VIDEO CD/CD PLAYER IS PLUGGED TO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INTO THE INSIDE OF THIS PLAYER.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

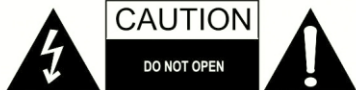
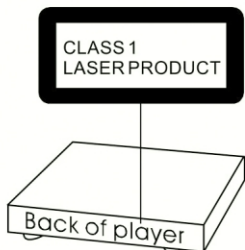
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

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

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

THIS DEVICE IS INTENDED FOR CONTINUOUS OPERATION!



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

(Back of player)



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



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

VENTILATION WARNING:
THE NORMAL VENTILATION OF THE PRODUCT SHALL NOT BE IMPEDED FOR INTENDED USE.

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Dear Customer

May we take this opportunity to thank you for purchasing this DVD/VCD/CD player.

We strongly recommend that you carefully study the Operating Instructions before attempting to operate the player and that you note the listed precaution.

Features

- Compatible disc formats: CD, CD+G, VCD, DVD, CD-R, CD-RW, DVD±R/RW, Dual Layer DVD±R/RW
 - Compatible Format: Audio CD, HDCD, DVD-Video, VCD, CD+G, Mp3, WMA, PCM, Dolby, DTS
 - Compatible with video formats: DVD, VCD (*.dat, *.mpg), CD+G, MP3+G, MPEG4 (DivX/Xvid/*.mp4), WMV, JPEG (*.jpg)
 - USB port and SD Card slot.
 - Two 1/4" microphone inputs with separate volume controls
 - High Quality Digital Echo.
 - Digital Key Control.
 - Direct access and main functions on front panel.
 - Supports HDMI OUTPUT(1080P).
 - 2x XLR line out for karaoke.
 - 2x mixed line out for karaoke.
 - EQ for sound settings.
 - 10 bit video D/A converter
- With its 10 bit capability, this D/A converter reproduces images faithfully.

HIGH QUALITY SOUND AND PICTURE

96 kHz/24 bit audio D/A converter

This player enables 96 kHz/24 bit linear PCM signals, which constitute the highest specifications in the DVD standards, to be reproduced faithfully. To support 96 kHz sampling/24 bit sound, the shaping noise of this multi-level digital sigma type of D/A converter is kept flat up to 44 kHz, thus preventing the important audio signals from being affected in any way. In terms of the bottom line, the sound in all of its various modes is reproduced faithfully.

The player can play back discs with signal system of PAL and NTSC.

GRAPHICAL USER INTERFACE SCREEN

Simply by pressing the OSD button on the remote control unit, information on the player and disc can be displayed on the TV screen for easy identification. The player's operations and settings can easily be performed by operating the remote control while monitoring the TV screen.

MULTI-AUDIO FUNCTION

The audio soundtrack can be heard in up to 8 languages. (The number of audio sound languages depends on the software.)

MULTI-SUBTITLES FUNCTION

Subtitles may be displayed in one of a maximum of 32 languages depends on the software.

MULTI-ANGLE FUNCTION

This function allows you to choose the viewing angle of scenes which were shot from a number of different angles. (Limited to DVD recorded with multiple camera angles.)

PARENTAL LOCK FUNCTION

This can prevent play of DVD unsuitable for children.

Precautions

Please read these precautions before operating this unit

Power Cord Protection

In order to avoid any malfunctions of the units, electric shock, fire or personal injury, please to observe the following:

- Hold the plug firmly when you connecting or disconnecting the AC power cord to this unit.
- Do not connect or disconnect the AC power cord when your hands are wet.
- Keep the AC power cord away from heating appliances.
- Never put the heavy object on the AC power cord.
- Do not attempt to repair or reconstruct the AC power cord in any way.

Placement

Avoid to place the unit in the areas of:

- direct sunlight or heating radiators, or doused automobiles
- high temperature (over 35 °C) or high humidity (over 90%)
- Much dust
- vibration, impact or where the surface is tilted as the internal parts may be damaged seriously

Non-use periods

When the unit is not being used, turn the power off.

When you left unused for a long period of time, the unit should be unplugged from the household AC outlet.

No fingers or other objects inside

- Touching internal parts of this unit is dangerous, it may cause serious damage to the unit. Do not attempt to disassemble the unit.
- Do not put any foreign object on the disc tray

Keep away from water/magnet

- Keep the unit away from flower vases tubs sinks etc. If liquids are spilled into the unit, may occur serious damage.
- Never bring magnetic objects such as speakers near to this unit.
- Place the unit in a horizontal position and do not place anything heavy on it.
- Do not place the unit on amplifiers or other appliances which cause the unit hot.

Condensation

Moisture may form on the lens in the following conditions:

- immediately after a heater has been turned on.
- in a steamy or very humid room.
- when the unit is moved from a cold environment to a warm one.

If moisture forms inside this unit, it may not operate properly. In this case, turn off the power and wait about one hour for the moisture to be evaporated.

If there is noise interference on the TV while a broadcast is being received

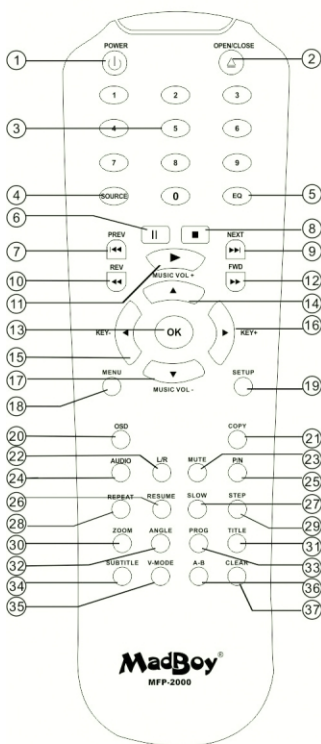
Depending on the reception condition of the TV, interference may appear on the TV monitor while you are watching a TV broadcast and the unit is left on. This is not a malfunction of the unit or the TV. To watch a TV broadcast, turn off the unit

CAUTION

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Minimum distances around the apparatus for sufficient ventilation.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table cloths, curtains, etc.
- Do not place the product in closed bookcases or racks without proper ventilation.
- No naked flame sources, such as lighted candles, it should be placed on the apparatus
- When the mains plug or an appliance coupler is used as the disconnect device, the disconnect device should remain readily operable
- The use of apparatus is in moderate climates.
- Before scrapping the appliance, remove the batteries and place them in the appropriate battery collection container.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

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Remote control functions



1. POWER
2. OPEN/CLOSE
3. 0-9 digit keys
4. SOURCE

5. EQ
6. Pause
7. Previous
8. Stop
9. NEXT
10. Fast reverse
11. Play
12. Fast forward
13. OK
14. Navigation(UP)/Music VOL+
15. Navigation(Left) /Key-
16. Navigation(Right) /Key+
17. Navigation(DOWN)/Music VOL-

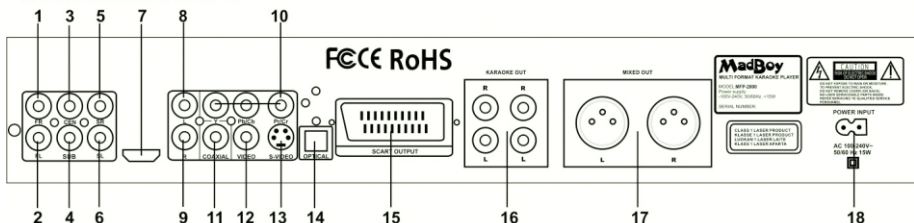
18. MENU
19. SETUP
20. OSD
21. COPY
22. L/R
23. MUTE
24. AUDIO
25. P/N
26. RESUME

27. SLOW
28. REPEAT
29. STEP
30. ZOOM
31. TITLE
32. ANGLE
33. PROG
34. SUBTITLE
35. Video Mode
36. A-B
37. CLEAR

- Switch on/standby the power.
Press this button to open and close CD/DVD tray.
- Pressing 0-9 keys for direct track selection. Playback source select, there are DVD/USB/Card to select.
- Press this button to modify sound.
- Press this button to pause sound and video.
- Press this button to select previous chapter.
- Press this button to stop playback.
- Press this button to select next chapter.
- Press this button to change reverse speed.
- Press this button to playback.
- Press this button to change forward speed.
- Confirms selection.
- Upward selection/Increases Music Volume.
- Left selection on the menu bar/Decreases Digital Key.
- Right selection on the menu bar/ Increases Digital Key.
- Downward selection/ Decreases Music Volume.
- DVD Main Menu for selection.
- Press this button to go into system setup On-Screen Display.
- Press this button to copy CD to the USB/Card.
- Press this button to select L,R or stereo channel.
- Press this button to turn off audio output.
- Press this button to change audio track.
- For PAL-M,PAL-N,NTSC,PAL,AUTO selection. After pressing STOP, press this button to return where it stoped.Must be set "ON" in the menu.
- Each press (DOWN) change reverse speed.
- Press this button to playback in slow motion whitout sound.
- Press this button during play, it will play one title(for DVD).
or repeat play track(for VCD/CD).
- Press this button to playback one frame at the time.
- Screen enlarges and reduces size.
- Selection for DVD title.
- Press this button to select different angle.
- Press this button to program play list.
- Press this button to select different subtitle language on the screen.
- To change the video mode to S-Video or YUV. Press once to setup point A. Press once more to setup point B. It will repeat to play from A to B. Press once more to cancel repeat A-B. Press this button to clear programmed play list.

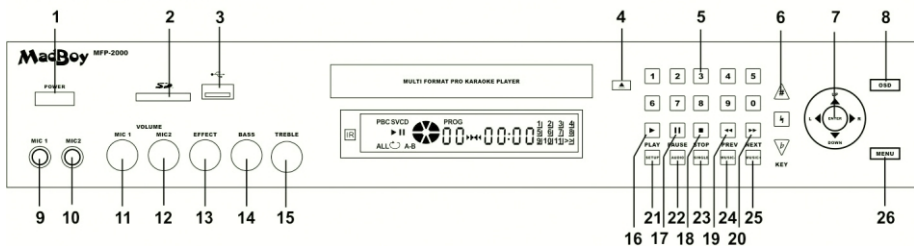
Front panel, rear panel and display

REAR PANEL INFORMATION



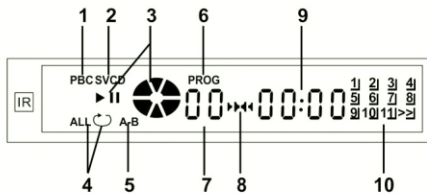
- | | | |
|--------------------------------|-----------------------|---|
| 1. Front right audio output | 7. HDMI output | 13. S-Video output |
| 2. Front left audio output | 8. Left audio output | 14. Optical output |
| 3. Center audio output | 9. Right audio output | 15. Scart output |
| 4. Subwoof audio output | 10. YUV video output | 16. 2 x mixed line out for Karaoke. |
| 5. Surround right audio output | 11. Coaxial output | 17. 2 x XLR line out for Karaoke (L/R). |
| 6. Surround left audio output | 12. Video output | 18. AC Input |

FRONT PANEL INFORMATION



- | | | | | |
|-----------------|----------------------|----------------|-----------------|----------------|
| 1. Power Switch | 7. Navigation wheel | 13. MIC EFFECT | 19. Previous | 25. Music VOL+ |
| 2. Card Reader | 8. On-Screen Display | 14. MIC BASS | 20. Next | 26. MENU |
| 3. USB Port | 9. MIC 1 | 15. MIC TREBLE | 21. SYS Setup | |
| 4. Open/Close | 10. MIC 2 | 16. PLAY | 22. Audioselect | |
| 5. Number Key | 11. MIC 1 volume | 17. PAUSE | 23. Single play | |
| 6. Key Control | 12. MIC 2 volume | 18. STOP | 24. Music VOL - | |

DISPLAY INFORMATION

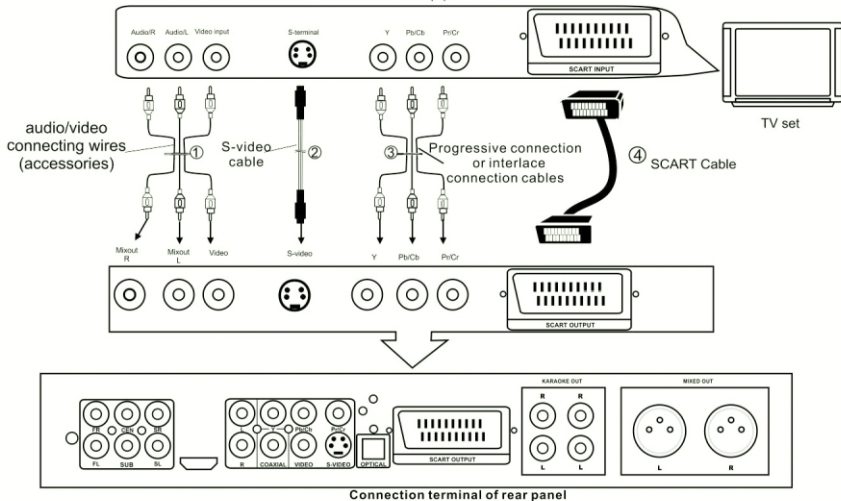


- | | | |
|---------------------------|----------------------|-------------------------|
| 1. PCB | 5. A-B Repeat Play | 9. Playing Time Display |
| 2. VCD/S-VCD | 6. Reserve indicator | 10. Track Display |
| 3. Playing/Pausing Status | 7. Track display | |
| 4. Repeat Play | 8. Audio Channel | |

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Basic connection

1. If your TV has an RCA (Audio and video) input panel, connect the unit to the TV set with the supplied audio/video connecting cable. Set the TV to AV mode when connection is completed and confirmed correctly. (1)
2. In the event that your TV has an S-VIDEO input socket, connecting the DVD player with a S-VIDEO connecting cable (optional). It will give you a slightly better quality picture. (2)
3. If your TV has a component video input panel (also known as colour different input), connect the DVD component output to corresponding input sockets on your TV. It will give you a picture of best quality. (3)
4. If your TV has a SCART socket, connect a fully wired SCART cable between the player and the TV. SCART will produce a picture better than a S-VIDEO connection. (4)
5. If your TV/Amplifier has a HDMI socket, connect a fully wired HDMI cable between the player and the TV/Amplifier. It will produce the best quality of picture and audio. (5)
6. If your Amplifier/Effector has XLR socket, connect a fully wired XLR cable between the player and the Amplifier/Effector. It is Audio balanced output of karaoke. (6)
7. The "karaoke out" socket's function is as well as XLR socket. (7)



Connection terminal of rear panel

Notes:

Connection terminal of back panel

According to the optional connections above, we list 4 methods of the connection with the TV set.

1. Composite video connection with 2 audio channels. (Please switch the TV set to AV mode)
2. S-VIDEO connection. This solution provides a better picture definition. Audio can be connected in the same way as option 1 with a pair of RCA (phono) leads connected to either the TV or external amplifier. (Please switch the TV and the player to S-VIDEO mode)
3. Progressive and chromatic component connection. This connection provides the best quality picture. Audio can be connected in the same way as option 1 with a pair of RCA (phono) leads connected to either the TV or external amplifier. (Please switch TV set and the player to P-scan YUV or Interface-YUV mode.)
4. SCART is for you to connect to player to TV, please switch the video output to SCART mode from player.
5. HDMI(High Definition Multimedia Interface) could be output the resolution of 1920x1080 and 5.1 sound track if the disc could support.
6. XLR (MIXED OUT) is for karaoke use.
7. KARAOKE OUT RCA's are for karaoke use.

NOTE:

Before making any connections, ensure that both of the player and the TV are switched off;

Adjusting the output of the player to suit the system of your TV (PAL Standard TV / NTSC More advanced TV's);

Only select one connection option to avoid the TV mixing signals and reducing quality and interference;

Do not turn the unit on and off rapidly. Allow at least 10 seconds for the system to boot up before you turning it off again;

Do not connect digital audio output sockets or optical fibre sockets to the analogue input of any amplifier.

It may damage it;

Don't connect Component Video Output, S-video output, SCART-output to the TV at the same time, or else the quality of the image would deteriorate.

Remote control unit operation

Battery installation

Insert the batteries while observing the correct (+) and (-) polarities as illustrated at right.

Service life of batteries

- The batteries normally last for about one year although this depends on how often, and for what operations, the remote control unit is used.
- If the remote control unit fails to work even when it is operated near the player, replace the batteries. Use 2 size AAA batteries.

Note:

- Do not use rechargeable (Ni-Cd) batteries.
- Do not attempt to recharge, short-circuit, disassemble, heat or throw the batteries into the fire.
- Do not drop, step on or otherwise impact the remote control unit. This may damage the parts or lead to malfunction.
- Do not mix old and new batteries.
- If the remote control unit is not going to be used for a long time, remove the batteries. Otherwise, electrolyte may leak which may lead not only to malfunctioning but also to burns if contact is made with the electrolyte.
- Wipe away any electrolyte leaking inside the remote control unit, and install new batteries.
- If any electrolyte should come into contact with parts of your body, wash it off thoroughly with water.

Remote control operation range

Point the remote control unit from no more than about 3-4 m from the remote control sensor and within about 60° of the front of the player.

- The operating distance may vary according to the brightness of the room.

Note:

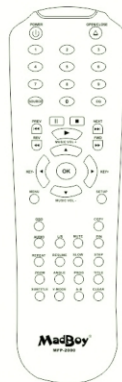
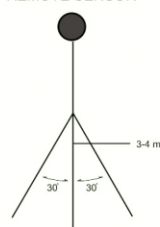
- Do not point bright lights at the remote control sensor.
- Do not place objects between the remote control unit and the remote control sensor.
- Do not use this remote control unit while simultaneously operating the remote control unit of any other equipment.

Connecting Microphones

1. Connect the Microphones.
 - Connect one or two Microphones to MIC 1 or MIC 2 inputs (front panel).
2. Adjust the MIC Volume to Proper level that you want before enjoying DVD/Video CD/CD. You can also adjust microphone(s) effects for your own taste.

A**B**

REMOTE SENSOR



Basic operation

Before enjoying DVD/Video CD/CD

If you would like to change the menu language to other language, please refer to "Selecting language of On-Screen Display menu".

In the explanation given below it is assumed that English has been selected as the menu language.

Basic Play

Preparations

Switch the TV On and select "Video" as the TV input.

Switch on the stereo system's power if the player has been connected to a stereo system.

Basic play

1. Press POWER to switch on the power.
2. Press Open/Close to open the disc tray.
3. Place a disc onto the disc tray.
Hold the disc without touching either of its surfaces, position it with the printed title side facing up, align it with the guides, and place it in its proper position.
4. Press Open/Close
The disc tray is automatically closed and play begins.
When the disc tray is closed by pressing OPEN/CLOSE the player will start to read the disc automatically.
5. When a menu screen appears on the TV, move the navigation buttons or press numeric buttons to select preferred track number, then press ENTER button to confirm.
6. When the menu continues onto another screen, press NEXT button to view the next screen, or press PREV. to skip to the previous screen.
NOTE: Due to the different design of some software titles, NEXT/PREV button may not always work.
7. To stop play and return to the menu screen press TITLE button, or MENU button (which button is pressed differs depending on the disc used).
For DVD, press TITLE, MENU or RETURN.
For VCD, press RETURN.

Stopping play

Press STOP

For your convenience:

When player is stopped, the player records the point where STOP was pressed (RESUME function). Press PLAY again, playback will resume from this point. When STOP is pressed again, the RESUME function will be cleared.

Skipping ahead or back

Skipping ahead

Press NEXT button during play.

A chapter (DVD) or a track (VCD/CD) is skipped forward each time the button is pressed.

Skipping back

Press PREV. button during play.

A chapter (DVD) or a track (VCD/CD) is skipped backward each time the button is pressed

Fast forward/ reverse

Press NEXT button (DOWN) to fast forward.

Each press will change the speed to 2X--4X--8X--16X--32X.

Press PREV. button (DOWN) to fast reverse.

Each press will change the speed to 2X--4X--8X--16X--32X.

Press PLAY to return normal play mode.

Step play

During playback, press STEP button, the play will be paused, and in this mode, each time the STEP button is pressed, the player will only play one picture. To resume normal play, press PLAY button.

Basic operation

Slow-motion play (DVD/VCD)

On the remote control unit

Press SLOW button during playback.

Play the disc at a 1/2 of normal speed at first, each time the button is pressed, the play speed becomes slower (1/2, 1/4, 1/8/1/16).

Press PLAY button, normal play will resume.

MP3/MPEG4 playback

Basic play

1. Insert the disc containing the files in MP3 format to be played and after few minutes, the TV screen will show all folders on the disc.
2. Select the folder you want to play by the navigation buttons and press ENTER button to confirm.
3. The files in this folder are displayed and select your song by using the UP/DOWN navigation buttons and press ENTER button to start playback.
4. Press NEXT button to play next sound or PREV. button to play previous.
5. Press REPEAT button on remote to change play mode.

USB play Mode

1. Insert the USB/Card into the USB/Card slot.
2. Press the SOURCE (depends which one is inserted) button and use UP/DOWN button to choose USB or Card, the TV screen will display the information of the USB or Card.
3. After few minutes, the TV screen will show all folders in the USB/Card.
4. Select the folder you want by the navigation buttons and press OK button to confirm.
5. The files in this folder are displayed and you can select your song by using the UP/DOWN navigation buttons, and press OK button to start playing.
6. Press NEXT button to play the next or PREV. button to play previously.
7. Press REPEAT button on remote to change play mode.

Remark: If you want to play DVD disc when you are in USB/Card mode, just press SOURCE button and choose DVD. The playing will stop, change from USB/Card to DVD disc.

Enjoying Video CDs with playback control

When playing VCD 2.0 with PBC, use PBC button. The player will show

PBC on

Press PBC button once, the player will show

PBC off

When the PBC is ON (menu play),

1. Press numeric button to select corresponding track, if the track number is under 10, choose one of the numeric buttons 0-9.
2. If the track number is exceed 10, press +10 button first, then press numeric buttons 0-9.
3. During playback, and the PBC is ON, press RETURN button to main menu.
4. Press NEXT button or PREV. button, the player will play in the scheduled sequence on the disc.

Karaoke operation

1. Connect microphones to microphone jacks.
2. Turn microphones volume to minimum (Mic vol. Knobs 1-2)
3. Power on the unit and play a Karaoke disc.
4. Turn on the microphones and adjust the microphones volume (Mic vol. Knobs) to proper level you wanted.

Note: If you hold the microphones too close or direction towards the speakers, howling may occur. In order to prevent it, please don't hold the microphones too close or direction towards the speakers. Adjust the microphones volume to a proper position.

6. Press AUDIO button to cancel vocal sound in DVD (depends on disc)
7. Press L/R button to cancel vocal sound in VCD (depends on disc)

Basic / Advanced operations

ON Screen Display information

When the player is under operation, press OSD button continuously on the remote control, the screen will display sequentially parts of information, all information and clear information.

Chapter Elapsed CH 01/12 00:00:26
TT 01/01

Press once more, it will show

Title Remain
Track 01/17
0:45:26

Press OSD button again

Display off

Program Play

The player plays the tracks in the disc in an order you desired.

1. Press PROGRAM button and the screen will display the program menu.

For VCD

01	---	06	---
02	---	07	---
03	---	08	---
04	---	09	---
05	---	10	---
	Exit		▶ Next

press Next

11	---	16	---
12	---	17	---
13	---	18	---
14	---	19	---
15	---	20	---
Prev ◀		Exit	

After program, it will show

01	---	06	---
02	---	07	---
03	---	08	---
04	---	09	---
05	---	10	---
	Exit	start	Next

Press Start to start Program Play.

For DVD

01	TT:---	CH:---	06	TT:---	CH:---
02	TT:---	CH:---	07	TT:---	CH:---
03	TT:---	CH:---	08	TT:---	CH:---
04	TT:---	CH:---	09	TT:---	CH:---
05	TT:---	CH:---	10	TT:---	CH:---
	Exit		▶ Next		

press Next

11	TT:---	CH:---	16	TT:---	CH:---
12	TT:---	CH:---	17	TT:---	CH:---
13	TT:---	CH:---	18	TT:---	CH:---
14	TT:---	CH:---	19	TT:---	CH:---
15	TT:---	CH:---	20	TT:---	CH:---
Prev ◀			Exit		

Press Start to start Program Play.

2. Press navigation buttons to choose memory index and then press the desired Titles/Chapters number by using the numeric buttons. The selected Titles and Chapters are stored into the memory. Up to 20 memories can be stored.

NOTE: Leading zero is not necessary. If the track number is more than 10, press the +10 key first and then unit digit.

Examples: Track 3, press "3"

Track 12, press "+10" then "2"

Track 21, press "+10" twice then "1"

3. To start program play, select start on the menu or select exit to exit without program play.

4. To Clear "Program" during program play Press PROGRAM key, then press CLEAR key to clear program.

5. For CD/MP3

Press PROGRAM key, all files or tracks will appear on the screen. Use the navigation UP/DOWN key to select the file or track, then press the Navigation Right Key to add to the playlist or use the Navigation Left Key to remove the selected file or track from the playlist. After program, press the PROGRAM key to the playlist and start the program play.

Repeat Play

Press REPEAT button during play, it will repeat play one chapter or one title (for DVD), or repeat play track (for VCD/CD).

For DVD Rep [Off]

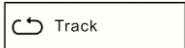
 Chapter Repeat chapter

 Title Repeat Title

 All Repeat All

Advanced operations

For VCD-CD disc (In the PBC OFF mode)



Repeat track



Repeat All

For CD/MP3

Press one: Single -- Play the file once.
Press twice: Repeat one -- Repeat one -- Repeat the selected file continuously.
Press thrice: Repeat folder -- Repeat the folder continuously. Press once more: Repeat off.

A-B Repeat play

Repeating sections between two specified points (A-B repeat)

1. Press A-B button during play at the point where repeat play is to be started (A)
2. Press A-B button at the point where repeat play is to be ended (B). Repeat play of the selection between points A and B starts.
3. Press A-B button to return to normal play.

Changing Subtitle language (DVD only)

It is possible to change the subtitle language to a different language from the one selected at the initial settings. (This operation works only with discs on which multiple subtitle languages are recorded.)

1. Press SUBTITLE button during play, the screen will display the current language.
2. Press SUBTITLE button again to change language or turn off.

NOTE: When no subtitles are recorded, pressing this button will not work.

ZOOM PLAY

This function allows you to enjoy a motion or motionless picture.

Press ZOOM button when playing, the screen will show ZOOM 2

Each ZOOM button press will change the picture in the following procedure: ZOOM(2,3,4) until off.

Press NAVIGATION button to scroll across the enlarged picture.

Changing audio soundtrack language (DVD/VCD)

It is possible to change the audio soundtrack language to a different language from the one selected at the initial settings. (This operation works only with discs on which multiple audio soundtrack languages are recorded)

For DVD disc:

Press LANGUAGE button during DVD disc, the screen will display the number of current soundtrack language, pressing button again will change the language.

For VCD disc

Press L/R button to change the audio output mode: STEREO, MONO L, MONO R and MIX MONO.

NOTE: When no soundtrack languages are recorded, pressing this button will not work.

Viewing from different angles (DVD only)

Some DVDs may contain scenes which have been shot simultaneously from a number of different angles. For these discs, the same scene can be viewed from each of these different angles by using the ANGLE button.

Press ANGLE during play, number of angle being playback will be displayed in the screen, pressing the button will change to different angles.

Kodak Picture CD / JPEG CD

If Kodak Picture CD is inserted, slide show is begun automatically.

For JPEG picture CD, select the folder you want to play by the navigation buttons and press SELECT button to confirm.

These files in this folder are displayed. Select your favorite pictures by using the up/down navigation buttons and press SELECT button to start playback.

Initial settings

Once the initial program is entered it is retained in memory until changed, the player can always be operated under the same conditions.

The settings will be retained in the memory until settings are changed even after setting the player to the standby mode.

Common procedure for initial settings

1. Press SETUP button.
2. Use the navigator button to select preferred items, each screen for setting the value is displayed.
3. Press SETUP button to close setup menu in any mode.
4. Use navigation button to switch to another main setup items.

GENERAL SETUP PAGE

1. System setup

A.TV SYSTEM: NTSC, PAL60, PAL, ATUO.
B.SCREEN SAVER: ON / OFF
C.VIDEO: INTERLACE-YUV; TV-RGB; P-SCAN YPBPR; PC-VGA; S-VIDEO
D.RESOLUTION: 480I/576i; 480P/576P; 720P; 1080i; 1080P (1)
E.TV TYPE: 4:3PS, 4:3LB, 16:9
F.PASSWORD: 0000
G.RATING: 1 KID SAFE; 2 G;3 PG; 4 PG13; 5 PG-R; 6 R;7 NC-17;8 ADULT (2)

The NEXT PAGE is:

A.DEFAULT: RESTORE
B.POWER RESUME: ON/OFF (3)

NOTE: 1: If the TV connects to the HDMI of player, you can choose 720P/1080i/1080P that it is the best picture (The resolution depends on disc).

2: It is used to set the rating of the disc, it can't lock some disc that you set. Change this function must input the password, default password is 0000.

3: When playing, if you choose ON of POWER RESUME, the player can recall the play information of you last play, then if you watch the disc next time, the player will play in last time when you watch. If you want to cancel this function, choose OFF when the disc playing.

2. Language Menu Setup

A.OSD LANGUAGE: ENGLISH, FINNISH, FRENCH, SPANISH, GERMAN, RUSSIAN
B.AUDIO LANG: ENGLISH, FINNISH, FRENCH, SPANISH, GERMAN, RUSSIAN(1)
C.SUBTITLE LANG: ENGLISH, FINNISH, FRENCH, SPANISH, GERMAN, RUSSIAN(2)
D.MENU LANG: ENGLISH, FINNISH, FRENCH, SPANISH, GERMAN, RUSSIAN

NOTE:

- 1: It can choose different audio languages if the disc supports (DVD).
- 2: It can choose different subtitle languages if the disc supports (DVD), and it also can close the subtitle if you do not want the subtitle to be displayed (DVD only)

3. Audio setup

A.AUDIO OUT: SPDIF/OFF, SPDIF/RAW, SPDIF/PCM
B.HDMI AUDIO: AUTO, PCM(1)
C.MIC SETUP: AUTO, OFF
D.KEY : # +4 +2 0 -2 -4 b

NOTE: 1. PCM is Pulse Code Modulation

4. Video setup

A.BRIGHTNESS
B.CONTRAST
C.HUE
D.SATURATION
E.SHARPNESS

5. Speaker setup

A.DOWNMIX: LT/RT, STEREO, VSS, 5.1CH
B.SUBWOOFER: OFF, ON
C.CENTER DELAY: + 4MS 2MS 0MS
D.READ DELAY: + 12MS 6MS 0MS
E.FRONT: LARGE, SMALL
F.CENTER: LARGE, SMALL, OFF
G.REAR: LARGE, SMALL, OFF

NOTE: You can adjust speaker parameters to get the best effect. (5.1CH depends on disc)

6. DOB DOLBY setup

NOTE: DOB DOLBY means DOL dynamic optimum loudness

A.OP MODE: LINE OUT, RF REMOD
B.DYNAMIC RANGE: FULL 6/8 4/8 2/8 OFF
C.DUAL MONO: STEREO, MONO L, MONO R, MIX MONO

7. EQ FUNCTION

Press EQ button on the remote control. Five voice modes, STANDARD, CLASSIC, ROCK, JAZZ, POP.

Select USER mode to set up your own EQ sound.

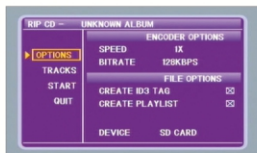
USB/Card copy & CD ripping

(for MP3/JPEG/CD/CD+G)

When you are playing CD/CD+G, the screen will display:
Press COPY button in the remote control

1. OPTIONS:

- 1.1 Use the remote control direction key to adjust the options which you want to copy.
- 1.2 SPEED: Press ENTER button to change the different copy speed. 1X or 2X
- 1.3 BITRATE: Press ENTER button in BITRATE, you can adjust audio transmission rate.
CREATE ID 3 TAG: Set up ID play list.
CREATE PLAYLIST: Set up play list.

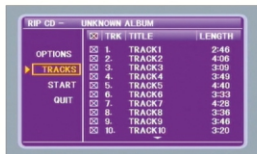


2. TRACKS:

Display CD disc contents.

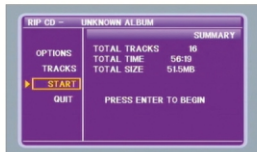
Use the remote control direction key to select the CD songs, and Press ENTER button.

- A.
- B.
- C.



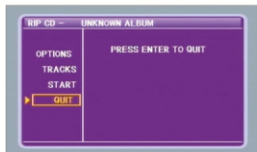
3. START:

Display CD disc information, press ENTER button in START after you select the CD song that should be downloaded in TRACKS.



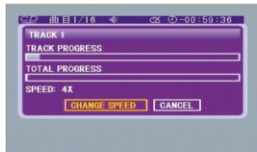
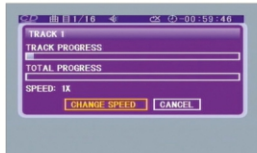
4. QUIT:

Exit CD COPY menu.



Remark:

1. When you choose speed 1X to copy, the unit can play in working condition, and choose 4X, the unit just have copy function without playing normally.
2. Use the remote control direction key to choose the song, then press copy key to copy MP3/JPEG/CD/CD+G, and conversion the CD+G to MP3+G store in USB/Card.

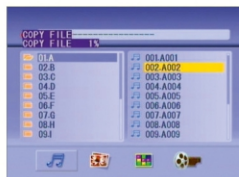


USB/Card copy & CD ripping

(for MP3/JPEG/CD/CD+G)

When you are playing MP3/JPEG, the screen will display:
Press COPY button on the remote control:

1. The player will copy one file that you choose.



2. When copied over it will auto close the USB/Card file and stopped copying.



Definition of terms

Angle

Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter number

These numbers are recorded on DVD discs. A title is divided into many sections, each of which is numbered, and specific parts of video presentations can be searched quickly using these numbers.

DVD/Divx

This refers to a high-density optical disc on which high-quality pictures and sound have been obtained by means of digital signals. Incorporation a new video compression technology (MPEG II) and high-density recording technology, DVD enables esthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

DVD has a structure consisting of two 0.6 mm thin discs which are adhered to each other. Since the thinner the disc, the higher the density at which the information can be recorded, a DVD disc has a greater capacity than a single 1.2 mm thick disc. Since the two thin discs are adhered to each other, there is the potential to achieve double-sided play sometime in the future for even longer duration play.

Playback control (PBC)

This is recorded on a Video CD (version 2.0). The scenes or information to be viewed (or listened to) can be selected interactively with the TV monitor by looking at the menu shown on the TV monitor.

Subtitles

This is the appearance of the dialogue at the bottom of the screen which are prerecorded on some DVD discs.

Time number

This indicates the play time which has elapsed from the start of a disc or a title. It can be used to find a specific scene quickly. (It may not work with some discs.)

Title number

These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

Track number

These numbers are assigned to the tracks which are recorded on Video CDs and CDs. They enable specific tracks to be located quickly.

Video CD

This contains recordings of pictures and sound whose quality is on a par with that of videotape. This player also supports Video CDs with playback control (version 2.0).

Specifications

Power requirements: AC 90-250V--. 60/50Hz

Power consumption: 15W

Signal system: PAL, PAL60, NTSC, AUTO

Operating temperature range:
+5 to +35°C

Operating humidity range:
5 to 90% (no condensation)

Discs played:

- (1) DVD-VIDEO disc Divx
 - 12 cm single-sided, single-layer
 - 12 cm single-sided, dual-layer
 - 12 cm double-sided, single-layer
 - 8 cm single-sided, single-layer
 - 8 cm single-sided, dual-layer
 - 8 cm double-sided, single-layer

- (2) Compact disc (VIDEO CD)
 - 12 cm disc
 - 8 cm disc

S-video output:

- Y output level: 1 Vp-p (75)
- C output level: 0.286 Vp-p (75)

Video output level: 1 Vp-p

Audio output level: 1 Vp-p (1 KHz, 0dB)

Audio signal output characteristics:

DVD (linear audio):

- (1) Frequency response:
 - 20Hz-20KHz (48KHz sampling)
 - 20Hz-20KHz (96KHz sampling)
- (2) S/N ratio: >65dB
- (3) Dynamic range: 90dB
- (4) Wow and flutter: below measurable level

CD audio :

- (1) Frequency response:
 - 20Hz-20KHz
- (2) S/N ratio: >65dB
- (3) Dynamic range: 90dB
- (4) Wow and flutter: below measurable level

Pickup: Wave length: 655nm

Laser power: CLASS 1

Specifications are subject to change without notice.

Troubleshooting

Before requesting service for this player, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a adjustment on your part may eliminate the problem and restore proper operation.

Symptom(Common)	Remedy
No power.	Insert the AC power plug securely into the power outlet.
The player is automatically set to the standby mode.	The player is automatically set to the standby mode after approx. 30 minutes in the stop mode (auto power-off function). Turn the power on again.
<ul style="list-style-type: none"> • Play fails to start even when PLAY is pressed. • Play starts but then stops immediately. 	<ul style="list-style-type: none"> • Condensation has formed: wait about 1 to 2 hours to allow the player to dry out. • The disc may be dirty and may require cleaning. • Ensure that the disc is installed with the label side up.
No picture.	<ul style="list-style-type: none"> • Ensure that the equipment is connected properly. • Ensure that the input setting for the TV is "Video".
<ul style="list-style-type: none"> • No sound. • Distorted sound. 	<ul style="list-style-type: none"> • Ensure that the equipment is connected properly. • Ensure that the input setting for the TV and stereo system are correct. • Adjust the master volume using the GUI screen for player information.
Picture is distorted during rapid advance or rapid reverse.	The picture will be somewhat distorted at times: this is normal.
No rapid advance or rapid reverse play.	Some discs may have sections which prohibit rapid advance (or rapid reverse.)
No 4:3 (16:9) picture.	Choose the correct setup item which matches the TV set used.
No on-screen display.	The "Off" setting is selected : select "On".
No operations can be performed with the remote control unit.	<ul style="list-style-type: none"> • Check the batteries are installed with the correct polarities (+ and -). • The batteries are exhausted: 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 3-4 m from the remote control sensor. • Remove the obstacles between the remote control unit and remote control sensor.
No key operation (by the main unit and/or the remote control unit) is effective.	Press POWER to set the player to the standby mode and then back to ON. Alternatively, press POWER to set the player to the standby mode, disconnect the power plug and then re-connect it. (The player may not be operating properly due to lightning, static electricity or some other external factor.)
Symptom [DVD]	Remedy
Play does not start even when title is selected.	Confirm the setting.
Audio soundtrack and/or subtitle language is not 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.
The password for rating level has been forgotten.	Please contact your local sales dealer.
Symptom [Video CD]	Remedy
No menu play.	This function works only for Video CDs with menu playback control.

Disc handling and maintenance

Handling precautions

- Hold the disc by the edges so the surface will not be soiled with fingerprints. Fingerprints, dirt and scratches can cause skipping and distortion.
- Do not write on the label side with a ball-point pen or other writing utensils.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or bend the disc.
- Be careful not to drop or bend the disc.
- Do not install more than 1 disc on the disc tray.
- Do not try to close the disc tray when the disc is not installed properly.
- Be sure to store the disc in its exclusive case when not in use.

If the surface is soiled

Wipe gently with a soft, damp (water only) cloth.

When wiping discs, always move the cloth from the centre hole toward the edge.)

(If you wipe the discs using a circular motion, circular scratches are likely to occur, which will cause noise.)

If the disc is brought from a cold to a warm environment moisture may form on the disc

Wipe this moisture off with a soft, dry, lint-free cloth before using the disc.

Improper disc storage

You can damage discs if you store them in the following places:

- Areas exposed to direct sunlight
- Humid or dusty areas
- Areas directly exposed to a heat outlet or heating appliance

Maintenance

- Be sure to press **POWER** to set the player to the standby mode and disconnect the AC power cord before maintaining the player.
- Wipe this player with a dry, soft cloth.
- If the surfaces are extremely dirty, wipe clean with a cloth which has been dipped in a weak soap-and-water solution and wrung out thoroughly, and then wipe again with a dry cloth.
- Never use alcohol, benzene, thinner, cleaning fluid or other chemicals. And do not use compressed air to remove dust.

Region management Information

Region management Information: This DVD/VCD/CD player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this DVD/VCD/CD player, this DVD/VCD/CD player cannot play this disc.

