LG

NEW KARAOKE MUSIC SYSTEM

OWNER'S MANUAL

MODELS : FFH-2005AX
FE-2005VE

Please read this manual carefully before operating your unit.
Retain it for future reference.

Designs and specifications are subject to change without notice for improvement.

CH01

P/N:3828R-A012A

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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.

Explanation Graphical Symbols:

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

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

WARNING:
TO REDUCE THE RISK OF FIRE OF ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

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

(FOR THE CUSTOMERS IN EUROPE)
If this product is marked with the CE-symbol, it means which is conformed to EMC regulation 89/336/EEC.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CAUTION: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

WARNING: OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD STRÅLEN ÄR FARLIG.

ATTENTION: Quand l'appareil est ouvert, ne pas s'exposer aux radiations invisibles du faisceau laser.

This label is located on the interior.

CLASS 1	LASER PRODUCT
KLASSE 1	LASER PRODUKT
LUOKAN 1	LASER LAITE
KLASS 1	LASER APPARAT
CLASSE 1	PRODUIT LASER

This Compact Disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the exterior.

(FOR CUSTOMERS IN CANADA)
CAUTION: TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.
This class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

WARNING:
SHOCK HAZARD - DO NOT OPEN

MISE EN GARDE:
Pour éviter les chocs électriques, n'utilisez pas cette fiche (polarisée) avec une rallonge, un réceptacle ou une autre prise si vous ne pouvez pas y insérer les broches à fond.

MISE EN GARDE
Cet appareil numérique de la classe B respecte toutes les exigences du Réglement sur le matériel brouilleur du Canada.

AVERTISSEMENT
RISQUE DE CHOC ELECTRIQUE NE-PAS OUVRIR
(FOR CUSTOMERS IN THE UNITED STATES OF AMERICA)

Note to CATV system installer:
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 to the grounding system of the building, as close to the point of cable entry as practical.

NOTE:
The interference potential to the device.
This equipment generates and uses radio frequency energy and if not installed and used properly, that is in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limit for a Class B computing device in accordance with the specifications in subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

(FOR CUSTOMERS IN THE UNITED KINGDOM)
WIRING INSTRUCTIONS
This appliance is supplied with a BS1363 approved 3 amp fused mains plug. When replacing the fuse always use a 3 amp BS1362 approved type. Never use this plug with the fuse cover omitted. To obtain a replacement fuse cover contact your supplying dealer or "LG ELECTRONICS U.K LTD".
If the mains socket in your home differ, or are not suitable for the type of plug supplied then the plug should be removed and a suitable type fitted. Please refer to the wiring instructions below:

Warning:
The mains plug severed from the mains lead of this appliance must be destroyed. A mains plug with bared wires is hazardous if engaged in a mains output line socket.

IMPORTANT
The wires in this mains lead are coloured in accordance with the following codes:

Blue	:	Neutral
Brown	:	Live

As the colour of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
If a 13 amp BS1363 plug or any other type of plug is used, 3 amp BS1362 approved fuse must be fitted either in the plug or at the distribution board.

Warning:
Do not connect either wire to the earth pin, marked with the letter E or with the earth symbol ⏚ or coloured green or green and yellow.

1

IMPORTANT SAFETY INSTRUCTIONS ⚠ ⚠
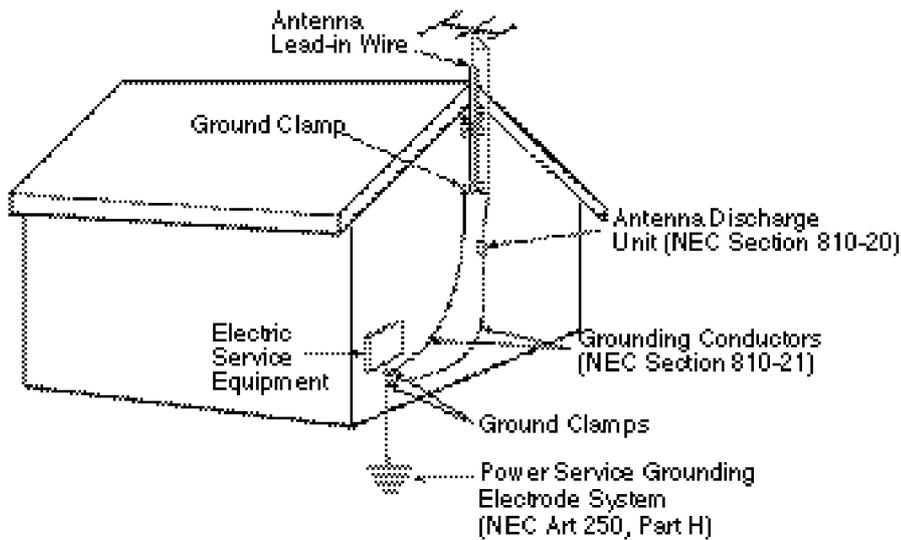
FOR CUSTOMERS IN THE UNITED STATES

CAUTION:
- Read all of these instructions.
- Save these instructions for later use.
- Follow all warnings and instructions maked on the audio equipment.

- Read instructions - All the safety and operating instructions should be read before the product is operated.
- Retain instructions - The safety and operating instructions should be retained for future reference.
- Heed Warnings - All warnings on the product and in the operatiog instructions should be followed.
- Follow instructions - All operating and use instructions should be followed.
- Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- Water and Moisture - Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- Accessories - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a stand, tripod, bracket, or table recommended by the manufactur or sold with the product. Any mounting of the product should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
- A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

- Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface.
This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been followed.
- Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 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 product.
- Protective Attachment Plug - The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or restting or protective device. If replacement of the plug is required, be sure the service technician has used a replacement play specified by the manufacturer that has the same overload protection as the original plug.
- Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

Antenna
Lead-in Wire

Ground Clamp

Antenna Discharge
Unit (NEC Section 810-20)

Electric
Service
Equipment

Grounding Conductors
(NEC Section 810-21)

Ground Clamps

Power Service Grounding
Electrode System
(NEC Art 250, Part H)

- Outdoor Antenna Grounding - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges.
- Article 810 of the National Electrical Code, ANSI/NFPA 70 proviedes information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- Power Lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken not to touch such power lines or circuits as contact with them might be fatal.
- Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.
- Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a) When the power-supply cord or plug is damaged.
b) If liquid has been spilled, or objects have fallen into the product.
c) If the product has been exposed to rain or water.
d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
e) If the product has been dropped or damaged in any way.
f) When the product exhibits a distinct change in performance, this indicates a need for service.

- Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- Wall or Ceiling Mounting - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

FRONT VIEW

BACK VIEW
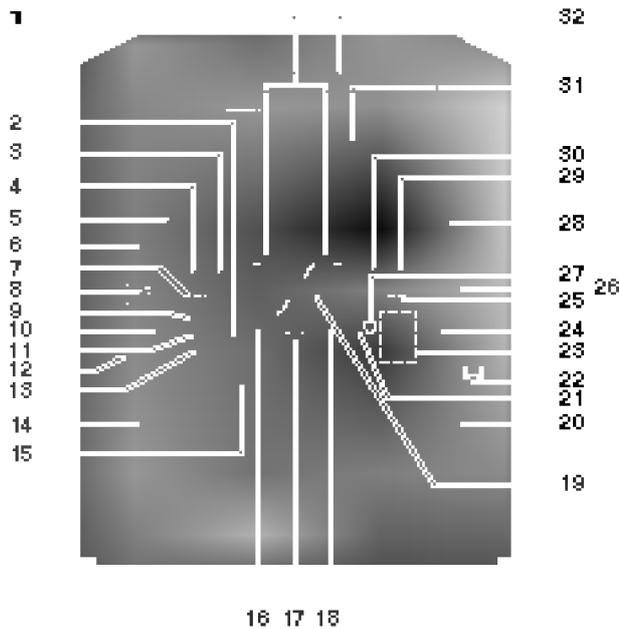
FRONT VIEW

1. TUNING DOWN/UP buttons(TUNER)
   REWIND / FAST FORWARD buttons(TAPE)
   SEARCH buttons(CD/VCD) / TEMPO +/−
   buttons(KARAOKE)
2. RECORD / RECORD PAUSE buttons
3. TIMER button
4. CLOCK button
5. REMOTE SENSOR
6. MDSS indicator
7. MDSS button
8. POWER button
9. DEMONSTRATION, PBC ON/OFF, PLAY MODE
   button
10. UBB (Ultra Bass Booster) / Hi-TONE button
11. NORMAL DUBBING / CD SYNCHRO
    RECORDING button
12. HEADPHONE socket (PHONES)
13. HI-SPEED DUBBING / RETURN / CANCEL button
14. TAPE DECK 1 EJECT position
    (▲ PUSH / EJECT)
15. FUNCTION SELECT buttons (TUNER BAND,
    KARAOKE/VCD, TAPE 1/2, AUX)
16. PRESET DOWN(TUNER) / BACKWARD PLAY
    (TAPE:OPTION) / RETURN (VCD, KARAOKE)
    button (PRESET DOWN / ◁)
17. TAPE STOP, CD STOP/CLEAR button
    (□ / CLEAR)
18. PRESET UP(TUNER) / FORWARD PLAY (TAPE) /
    CD PLAY / SELECT button (PRESET UP / ▷ /
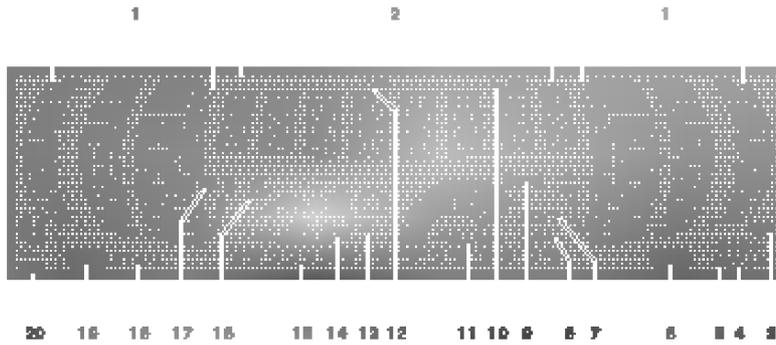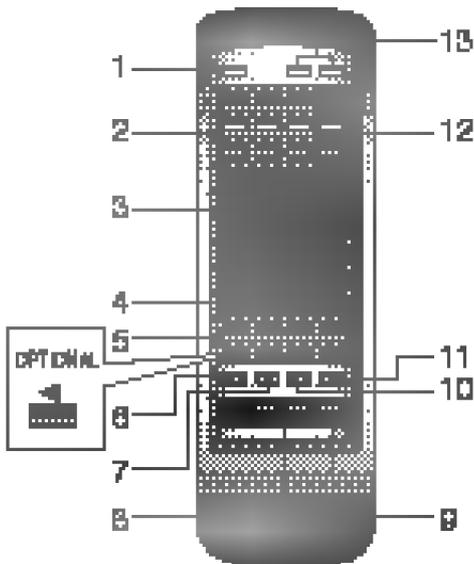   SELECT)
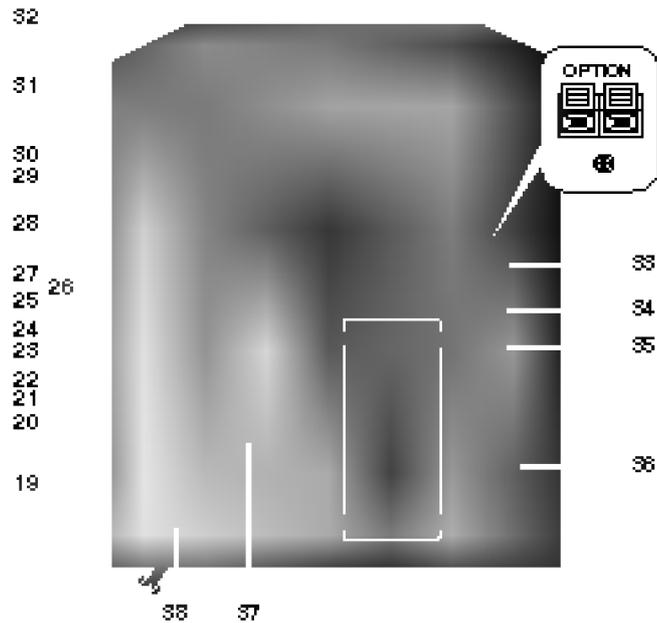
19. JOG DIAL
    • PRESET DOWN/UP (TUNER)
    • ADJUST DOWN/UP (CLOCK/TIMER)
    • SKIP DOWN/UP (CD)
    • PREVIOUS / NEXT, KEY CONTROL
      (VCD,KARAOKE)
20. TAPE DECK 2 EJECT POSITION
    (▲ PUSH / EJECT)
21. MODE / RIF (TUNER)/CD PAUSE / SET(CLOCK
    / TIMER) / COUNTER RESET (TAPE) button
    (MODE / RIF / CD II / SET / COUNTER RESET)
22. MIC Sockets
23. DISC DIRECT PLAY buttons (DISC1, DISC2, DISC3)
24. ECHO Select button
25. CD OPEN/CLOSE button
26. MIC Volume
27. CD PAUSE / SET indicator
28. VOLUME knob
29. DISC SKIP button
30. MEMORY / PROGRAM button
31. CD DOOR
32. NUMERIC buttons(1-0)

BACK VIEW

33. ANTENNA (AERIAL) terminal
34. AUXILIARY / PHONO (OPTIONAL) INPUT
    SOCKET
35. VIDEO OUTPUT SOCKET
36. SPEAKER terminal
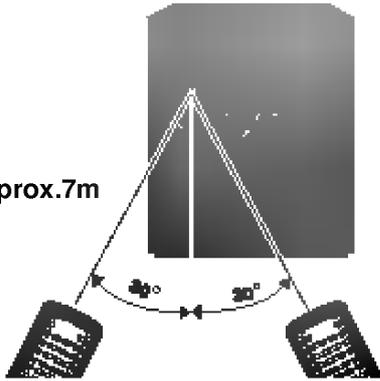37. VOLTAGE SELECTOR (OPTIONAL)
38. POWER CORD

1. LEVEL indicator
2. FUNCTION, VOLUME LEVEL, CLOCK, FREQUENCY, TAPE COUNTER, CD PLAYING TIME display
3. MUTE indicator
4. PLAY MODE indicator (Use only auto reverse deck)
5. TAPE DIRECTION indicator
6. UBB indicator
7. ECHO indicator
8. CD MUSIC CALENDAR OVER indicator
9. FM STEREO indicator
10. FM MONO indicator
11. VOLUME indicator
12. RDS function indicator (OPTIONAL)
13. TIMER indicator
14. DISC NO. indicator
15. CD MUSIC CALENDAR
16. RECORD indicator
17. PLAY / PAUSE indicator
18. REMAIN indicator
19. PBC indicator
20. CD REPEAT indicator

1. POWER button
2. Numeric button(1-0)
3. CD function button
   • Play/Select
   • Stop/Clear(■)
   • Program
   • Time Search
   • Repeat
   • Last Scene
   • Pause(⏸)
   • Disc Skip(D.SIKP)
   • Return
   • Cancel
   • PBC
   • Previous/Skip(PREV/⏮)
   • Next/Skip(NEXT/⏭)

4. Karaoke function buttons
   • Key Control(♭ / ♯)
   • MPX(Multiplex) Play Selection button
   • Remain button
   • Menu button
   • OSD button
   • Tempo/Search(+/⏭) button
   • Tempo/Search(–/⏮) button
   • Shadow button
5. Tape function buttons
   • Tape 1/Tape 2 selection
   • Reverse play(◀):OPTIONAL
   • Forward play(▶)
   • Rewind/Fast forward(⏮/⏭)
   • Stop(■)
   • Record/Record Pause(⏺/⏸)
6. MDSS button
7. EQ.pattern button
8. Volume down/up (▼/▲) buttons
9. Mute button
10. Sleep button
11. Display Mode button
12. Function selection buttons (TUNER, KARAOKE/VCD, TAPE, AUX)
13. Preset down/up (▼/▲) buttons

Control Range

The remote control device is designed for the range shown in the illustration.

Approx.7m

NOTE
Strong light or obstacles between the remote control device and the stereo system may interfere with the functioning of the remote control.

1 Open rear cover.

2 Install the batteries according to their polarity($\oplus$,$\ominus$) and close the cover.

AAA(RO3/UM-4)TYPE

Notes on Batteries

■ Your remote control comes with batteries.
Use two "AAA(UM-4. IEC R03)" type high quality batteries.

■ When the remote control fails to operate accurately at maximum distance from the unit. Replace the worn out batteries with new ones.

■ Install two "AAA" type batteries, observing correct battery polarity($\oplus$ and$\ominus$). Reversed battery polarity might damage the unit.

■ Do not use different types of batteries together, or an old one with new one.

■ When you are not going to use the unit for a long time, remove the batteries to prevent possible electrolyte leakage.

← TV or Monitor

← TV Video In

VIDEO   VIDEO
AUDIO   AUDIO
IN   OUT

To Video out →
To TV or VCR etc.
(To Audio Out)
To AUX sockets

Left Speaker   Right Speaker

Connection to Auxiliary Sources

VIDEO OUT jack connection

VIDEO OUT   From the **VIDEO OUT** jack on the back of the unit to a **VIDEO IN** jack of a TV or Monitor connect.

AUX jacks connections
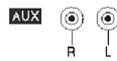
AUX   Two phono sockets marked **AUX** are provided on the back of the unit for connecting other units (for example, a record player with a pre amplifier, video recorders or tape recorders).
R   L

NOTE:

•You can enjoy a song while listening to the accompaniment of selected song through your unit and watching the videos on TV.

•Press "**TV/VIDEO Selection**" button on TV to select video signal (Video)

Connection the Main Speakers

Insert the red wire of the right/left hand speaker into the red terminal marked(+) at the back of the unit.
Insert the black wire into the black terminal marked(-).

This speaker system is designed for magnetic shielded. But the video image of a nearby television may be distorted.
In this case, put away the affected television about 10~20cm from the speaker system.

6
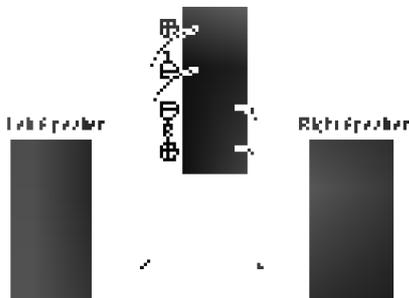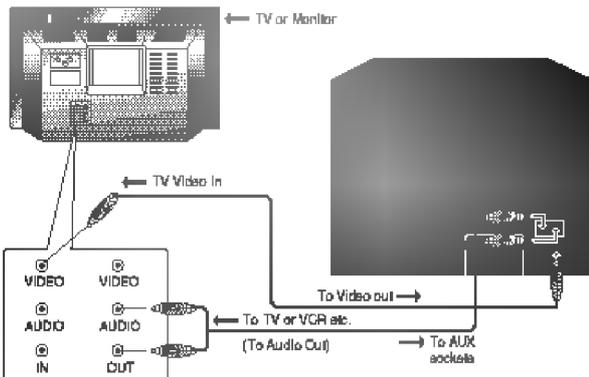
Antenna(aerial) Connection

For the models for other countries figure (1), (3).
For the European and U.K. model figure (2), (4).

IMPORTANT

FM Antenna (aerial) Connection

Unless radio signals are very weak, no external antenna is necessary, simply connect the supplied FM indoor antenna (aerial) wire to the terminal marked FM on the back of the unit

(1) 2 BAND(FM/AM) AREA
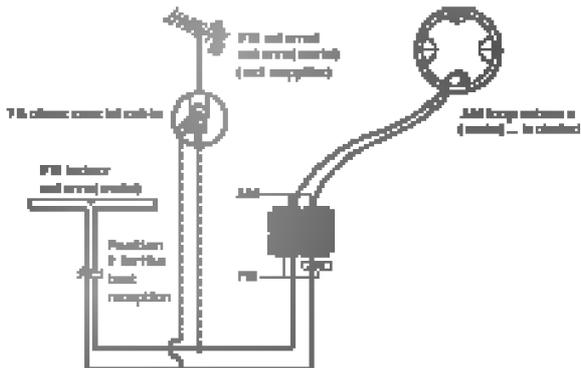
(2) 3 BAND(FM/MW/LW) AREA
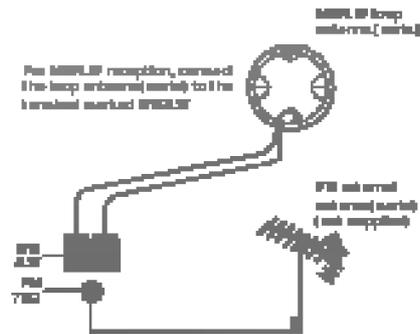
3) 3 BAND(FM/MW/SW) AREA
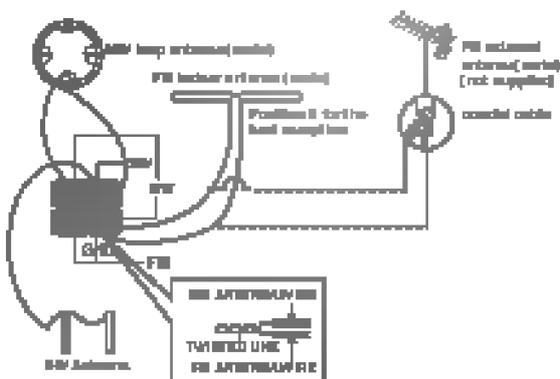
4) 2 BAND[FM/AM(MW)] AREA
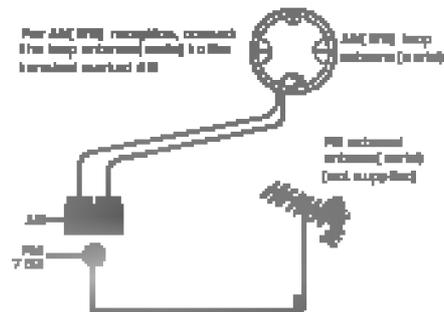
■ Volume Adjustment

Turn VOLUME clockwise to increase the sound level, or counterclockwise to decrease it.
If you turn the volume up more than the maximum level, the volume level flashes in the display.
(Or press VOLUME + or - button on the remote commander.)

■ Sound Quality Adjustment

☞ MDSS (Multi Dynamic Sound System)
Press the MDSS button to reinforce treble (Hi-Tone), bass (UBB : Ultra Bass Booster), and surround effect.
The MDSS indicator lights up.
To cancel it press the MDSS button again.

☞ To reinforce bass and treble
Press the UBB/Hi-TONE button to set the UBB/HI-TONE mode.
Each time UBB/HI-TONE button is pressed, it changes as follows

UBB ON MDSS OFF → UBB OFF → HI-TONE ON → HI-TONE OFF
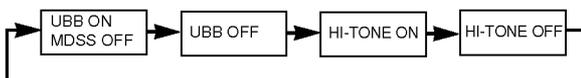
☞ To activate stereo sound (on remote control)
You can choose between 6 fixed sound impressions : select a desired sound mode by using the EQ PATTERN button.
Press the EQ PATTERN button once to see the current sound mode scrolled on the display.
Press the EQ PATTERN button repeatedly, until the desired sound mode is scrolled on the display.

FLAT	: linear frequency response
JAZZ	: feels like a jazz club. It effectively creates the flavour of harmony and mood.
CLASSIC	: for orchestral music
VOCAL	: puts an emphasis on the vocal sound.
POP	: less bass, less treble
ROCK	: more bass, more treble

☞ For personal listening
Connect headphone to headphone socket.
No sound comes from the speakers.

■ MUTE button(on remote control)

Press this button to mute your unit.
You can mute your unit in order, for example, to answer the telephone.
The **MUTE** indicator appears on the display.

■ DISPLAY MODE button (on remote control)

Whenever you press the DISPLAY MODE button, you can enjoy the spectrum change with 9 types in the display.

■ MODE/RIF (Radio Interference Filter) button

To switch from mono to stereo reception and vice versa. If the power of transmission is too weak to receive stereo FM without interference, switch the STEREO off.
When a MW(AM), or LW broadcasting is being recorded, the R.I.F.(BEAT-SWITCH) button can be used to reduce unwanted "beat" signals and noise, which were not heard before recording.

■ DEMO/PBC(PBC/PLAY MODE) button (Demonstration Function)

• In case of non-autoreverse (auto stop) deck 2
Press this button in power - off state to demonstrate the function in the display. To cancel it, press the POWER button or DEMO/PBC button. During the demonstration the POWER button, DEMO/PBC button and VOLUME are operated only.

• In case of autoreverse deck 2
Press PBC/PLAY MODE button in **power-off** state to demonstrate for the function in the display. To cancel it, press the POWER button or PBC/PLAY MODE button.

Example : Set to 9:25 in the morning

1. **Press the CLOCK button.** (If the clock is already set, press and hold the **CLOCK** button for more than 1.5 seconds)
   - The hours begin to blink.

2. **Select a 24 hour cycle or 12 hour cycle by turning the JOG DIAL.**

   (24HR) or (12HR)

3. **Press the CDII/SET/COUNTER RESET button.**
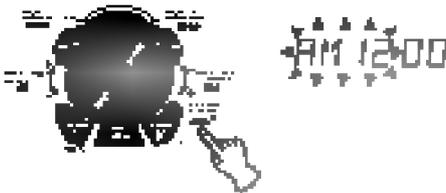
   AM 12:00

4. **Set the hour by turn the JOG DIAL.**

   AM 9:00

5. **Press the CDII/SET/COUNTER RESET button.**

   AM 9:00

6. **Set the minute by turn the JOG DIAL.**

   AM 9:25

7. **Press the CDII/SET/COUNTER RESET button.**
   The clock starts operating.

   AM 9:25

Information on the time
AM 12:00 = midnight
PM 12:00 = noon

NOTE:
When a power interruption has occurred for more than 10 seconds.
The clock setting is erased, and "-- : --" will flash on the display.

9

Tuning in Automatically

1. Turn on the power.
2. Press TUNER/BAND button repeatedly until the desired band appears.
3. Keep TUNING DOWN/UP (◄◄ or ►►) button depressed for more than 0.5 second. The unit tunes in a station automatically.

Tuning in Manually

1. Turn on the power.
2. Press TUNER/BAND button repeatedly until the desired band appears.
3. Press TUNING DOWN/UP (◄◄ or ►►)button briefly and repeatedly, until the desired station appears.

Storing Stations

1. To clear any program previously stored in any memory.
   (1) Press the MEMORY/PROGRAM button for more than 1.5 seconds in TUNER mode so that CLEAR is flashing in the display.
   (2) Press the STOP / CLEAR (☐ /CLEAR) button while CLEAR is flashing in the display.

2. To memorize the stations in order
   (1) Press the TUNER / BAND button to select a desired wave band.
   (2) Press the TUNING DOWN / UP (◄◄ or ►►) button to select a desired station.
   (3) Press the MEMORY / PROGRAM button and preset number flashes.
   (4) Press the MEMORY / PROGRAM button again while preset number is flashing.
   (5) Repeat step **(1)** to **(3)** to memorize up to 30 stations.

3. To memorize in selecting or adding channel number.
   (1) Select a desired station.
   (2) Press the MEMORY / PROGRAM button.
   (3) Select a desired channel number by turning the JOG DIAL or pressing the PRESET DOWN / UP button, while the preset number flashes.
   (4) Press the MEMORY / PROGRAM button again before the channel number stops flashing.

4. To recall presets.
   Press and hold the PRESET DOWN / UP button until the desired preset number appears or press it repeatedly.
   You can also recall presets by using the JOG DIAL.

RDS (Radio Date System) Reception (OPTIONAL)

What is RDS?
RDS (Radio Data System) is a system gradually being introduced on FM in many countries, where by an inaudible stream of data is transmitted in addition to the normal radio signal. This data contains various information including station / transmitter identification, traffic information and a list of alternative frequencies for the radio station being received.

Reception of RDS Stations
1. Press the TUNER / BAND button to select FM.
2. Select a desired station by pressing the TUNING DOWN / UP(◄◄ / ►►) button.
3. When the RDS transmission is received, the display shows the program service name (PS) after RDS indicator appears.

Notes:
• RDS is only available for FM reception.
• The PS (PROGRAM SERVICE) NAME is displayed automatically when a RDS station is received.

To recall the frequency
Press the RDS button.

10

Type of discs and contents

Note: This equipment has been designed to play discs bearing the identification logo as shown below.
• CD: compact disc recorded only with digital audio signals.
• VIDEO CD: compact disc recorded with compressed digital audio and video signals.

Disc Type	Disc Size	Recording Time	Recorded Contents
KARAOKE CD 3.0 < Karaoke Disc >	12cm	74 minutes	• Just use in this unit. • KARAOKE Moving, still picture MIDI Karaoke Melody (over 3000 Tunes)
disc DIGITAL VIDEO **VIDEO CD** < Video Compact Disc >	12cm	74 minutes	• Compressed digital video + Compressed digital audio (motion pictures)
disc DIGITAL AUDIO < Compact Disc > CD-DA	8cm	20 minutes	• CD : Digital audio
	12cm	74 minutes	
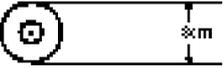
Note on VIDEO CDs	Caution
This player conforms to Ver. 1.1 and Ver. 2.0 of VIDEO CD standards. You can enjoy two kinds of playback according to the discs.	• Small impact while video disc is playing can cause abnormality on pictures. • Because video disc reproduces data compressed in 1/100 of regular disc, even a minor scratch on its surface can cause enormous influence on video and audio and even make the disc unusable. Therefore, much more care is required. • A mosaic with faint checker pattern can appear on the pictures with many movements and detailed motion, however this is not a defect. • Some Version 2.0 discs don't have menu.

Disc type	You can
VIDEO CDs without PBC functions (Ver. 1.1 disc)	Enjoy video playback (moving pictures) as well as music.
VIDEO CDs with PBC functions (ver 2.0 discs)	Play interactive software using menu screens displayed on the TV screen, in addition to the video playback function of Ver 1.1 discs.
KARAOKE DISC	You can play using only this unit.

To enjoy good quality video and audio...

• Discs should be kept clean at all the times.
  Stains, scratches and dust on disc's surface cause bad quality in video and audio.
• Never touch disc's surface

Basic Operation

You can play both VIDEO CDs without PBC (Ver.1.1) functions and those with PBC functions (Ver.2.0). Before you begin, make sure you've connected the system to a TV correctly and firmly.

1. Turn on the TV and select the video input so that you can view the pictures from this system.
2. Press POWER button to turn on the system.
3. Changing into VCD mode.

| VCD mode | KARAOKE mode |
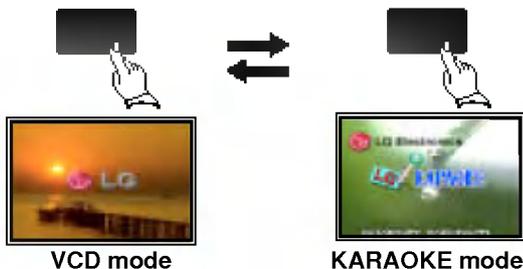
4. Press CD OPEN/CLOSE button and place the disc on the disc tray, with the label side up.

Number 1 disc   Number 2 disc

■ **Playing one or two discs**
Place discs on trays 1 and 2.
■ **Playing three discs**
After placing two discs, press the DISC SKIP button to rotate the trays. Place the next disc on tray 3.

NOTICE
To load an 8cm(3 in.) disc, put it onto the inner circle of the tray.

5. Press the CD OPEN/CLOSE button to close the disc compartment.
6. Press the PLAY (▷) (or ■ on remote control) button to start play.
Play begins with the disc on the left hand side tray before closing the disc compartment. All the discs are played once only.

To	Do this
stop play	Press □/CLEAR.
Pause	Press CD■/SET/COUNTER RESET (or ■ on the remote control).*1 Press againt to resume play.
Select a track or scene	Press NEXT/■ to go forward, PREV/◄◄ to go back.Or, during play or pause, turn the JOG DIAL Clockwise(to go forward) or counterclockwise (to go back) and release it when you reach the desired track.*2

To	Do this
Find a point in a track or scene*2	Keep the ◄◄ or ►► button pressed and release it at the desired point.
Select a VIDEO CD in stop mode	Press DISC DIRECT PLAY button or DISC SKIP button.
Play only the VIDEO CD you have selected	Press REPEAT button (on the remote control)repeatedly until "REPEAT 1 DISC" appears.
Exchange other VIDEO CDs while playing	Press DISC SKIP button.
Play all VIDEO CDs *3	Press REPEAT button (on the remote control) repeatedly until "REPEAT ALLDISC" appears.

*1 There may be some disturbance in the video image.
*2 Only for VIDEO CDs without PBC functions (Ver.1.1)
*3 This function cannot be used during menu playback of a VIDEO CD with the functions(Ver. 2.0)

Play back Control (PBC) function and MENU selection (only for VIDEO CD version 2.0)

When this function is used for playback of the Disc which has the function of PBC driven by menu, the operation is made in Default PBC on mode.

1. Press the PBC ON/OFF button during play or stop mode of PBC disc, then play is stopped and the PBC indicator goes out.

2. Press the ■ (CD PLAY) button to reproduct a source by general track unit.

3. When you want to make an operation in **MENU** mode, then press **PBC ON/OFF** button again. The **PBC** idicator lights up, and the operation is in stop mode.

4. Press the ■ (CD PLAY) button to reproduce a source by **MENU**.

5. Choose one of the followings to select the **MENU**.

Select the desired **MENU** number directly by **NUMERIC** button(1~0) on the remote control.

To	Do this
Stop play	Press □/CLEAR.
See the next of a menu	Press NEXT.
Go back to the top of a menu	Press RETURN. (on the remote control).
Go back to a previous menu	Press PREV.

**RETURN function
(only for VIDEO CD version 2.0)**

Returns to the preceding MENU.
If there is no preceding menu (in case of the first menu), this function may not be executed.

① RETURN

② ◄◄ PREV
   (Turn the JOG DIAL counterclockwise)

③ NEXT ►►
   (Turn the JOG DIAL clockwise)

④ Numeric button
   or JOG DIAL + SELECT
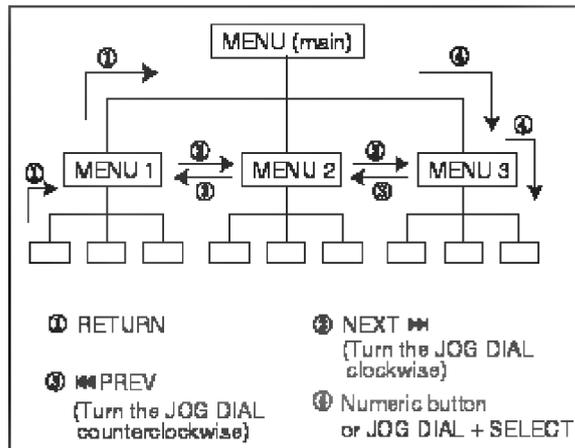
Normal Play

You can also play standard audio CDs.

1. Press the POWER button to turn on the system.
2. Press the CD OPEN/CLOSE button, and place the discs on the disc tray, with the label side up.
3. Press the ► (CD PLAY) button play begins with the disc on left side tray before closing the disc compartment. All the discs are played once only.

When you want to	press
Pause	❚❚ (CD PAUSE)
Resume play after pause	► or ❚❚
Go to the next track	NEXT ►► (Turn the JOG DIAL clockwise)
Go back to the preceding track	PREVIOUS ◄◄ (Turn the JOG DIAL counter clockwise)
Remove the CD	OPEN/CLOSE
Stop	■ (CD STOP)

Changing Discs During Play

Two discs can be changed while the other remaining disc is played.
This operation is not applicable during programmed play.
1. Press the CD OPEN/CLOSE button to open the disc compartment.
2. Remove the discs and place other discs.
   The disc placed on the left side tray will be played next.
3. Press the CD OPEN/CLOSE button to close the disc compartment.

NOTES:

■ Do not tilt the unit with discs loaded. This may dislodge the discs. Usage under these conditions may damage the discs

■ Do not place more than one compact disc on one disc tray at the same time.
■ If, during CD play, the video image of a nearby television is distorted, or if static is heard from a nearby radio, move this unit further away from the affected television or radio.

Searching for a Particular Point in a Track

Your can locate a particular point in a track during play by monitoring the high-speed cueing sound or observing the CD counter in the display.

To search back:
1. Press the ◄◄ button on the unit.
2. Press the ◄◄ button again or ► (CD PLAY) button at the desired point.

To search forward:
1. Press the ►► button on the unit.
2. Press the ►► button again or ► (CD PLAY) button at the desired point.

Search in case of CD
The SEARCH is processed in constant speed.

Search in case of VIDEO CD
• The SEARCH is processed by skipping the pictures in constant time interval.(At this time, no sound is heard, part or all of the picture is dispersed, or certain color or paused picture might appear)

• When ◄◄/►► button is pressed and it passes through the interval between tracks(part with no signal) or during the automatic disc search play, there might be an interval at the beginning of the disc with no picture and no sound.

NOTE:
• If CD ❚❚ button is pressed twice to pause graphic picture at the moment of scroll(the moment picture is unfolding on screen), there might be a blank on the screen.

13

Skipping to the Beginning of a Track

You can locate the beginning of any track on a disc.
To return to the beginning of the current or previous track.

Turn the JOG DIAL counter clockwise or stop to return to the beginning of the current track.
Turn the JOG DIAL counterclockwise continuously to skip tracks backward one by one.

To skip tracks
Turn the JOG DIAL clockwise continuously to skip track(s) forward one by one.

Selecting a Track Directly

You can locate the beginning of any track on a disc by using the NUMERIC button (1~0) on the remote control.
- **In case selecting track No. 3**
  Press the NUMERIC buttons No. 0 and 3 continuously (within 2 seconds).
- **In case selecting track No. 12**
  Press the NUMERIC buttons No. 1 and 2 continuously (within 2 seconds).

Time Searching on a VIDEO CD
(on the remote control)

If you enter the time within the total recording time of video compact disc, play starts from the time entered. In case of video CD with PBC function you should play system after PBC mode off.

<EXAMPLE> Enter 23 min. 40 sec.
- Press the **TIME SEARCH** button during stop or play. "--:--" appears on the display.
- Press the NUMERIC button No. 2, 3, 4 and 0 continuously. "23:40" is appeared on the display.

NOTES:
- After the time is entered it automatically searches for the corresponding time and starts playing.
- During time search the entered time flashes.
- If the Time Search button is pressed during the time input standby or time change. The time entered will be cancelled. If this happens enter it again.

- The time entered will be considered as absolute time (time from the beginning of the disc).
  After time search is completed, it will be indicated as relative time(time from the beginning of the track).

NOTES:
- When all 4 digits are entered it automatically searches the time.
- After the time entered it counts from the very beginning of the disc and searches for the time entered.
- If the time that is longer than the total recording time of the disc is entered it will be cancelled.
- Ordinary audio CDs will not operate.
- After the time is entered and played the picture might be dispersed.

Viewing the Remaining Time on a CD (on the remote control)

Display button for the remaining playing time.
If you press the REMAIN button the total remaining time of the current disc is indicated.

NOTES:
- This function works for all types of disc.
- During program random play it will not operate.
1. Press the REMAIN button once during playback or pause then it will be indicated that is the total remaining playing time of a disc.
2. Press this button once again then the total remaining time of the disc will be indicated for 5 seconds. And then the total remaining time will be indicated again.
3. To cancel this function.
   Press this button again while the total playing time of the disc at step 2. is indicating.

Continuosly playing from where a VIDEO CD stopped (LAST SCENE SEARCH)

NOTES:
This function does not work on PBC ON mode.
- The LAST SCENE SEARCH function can only for VIDEO CD.
1. Press the ■ (STOP) button while playing.
2. Press the LAST SCENE button on the remote control. Play starts from where it stopped.

14

Repeat Play

(Operating with only the remote control)

To play one track repeatedly.
Press the REPEAT button to display "REPEAT 1" and press the PLAY(▶) button to start play.

To play one disc repeatedly.
Press the REPEAT button twice to display "REPEAT 1 DISC". and press PLAY(▶) button to start play.
To play all tracks on all discs repeatedly.
Press the REPEAT button three times to display "REPEAT ALL DISC", and press the PLAY(▶) button to start play.

To repeat only selected tracks
Program the desired tracks, and press the REPEAT button to display "REPEAT 1" or "REPEAT ALL DISC".

To cancel repeat play
Press the REPEAT button so that "REPEAT" in the display goes out.

During playback
You can also operate the repeat play during playback.

NOTICE
■ During the programmed play, you can play repeatedly one track (REPEAT 1) or all discs (REPEAT ALL DISC).

■ During the repeat play of an entire disc, if you select the programmed play, it is changed to repeat play of all discs.

■ The repeat playback dos not work in PBC ON status of the VIDEO CD with PBC function.

Programmed Play

The player has a memory function that allows play of up to 20 tracks over three discs in any order.
Video CD with PBC function program play will not played in PBC ON status.
1. Press the MEMORY / PROGRAM button in the stop mode.
2. Press one of the DISC SELECTOR buttons or DISC SKIP button to select a disc.
3. Turn the JOG DIAL to select the track.
   To select the 6th track, Turn the JOG DIAL continuously until track number "6" is displayed in the display.
   You can also select a track No. by using the numeric buttons (on the remote control).

4. Press the MEMORY / PROGRAM button.
5. Repeat steps 1 to 4.
6. Press the **PLAY(▶)** button to start play.

To check the programmed contents
Each time the MEMORY / PROGRAM button is pressed in the stop mode, a disc number, a track number, and a program number will be displayed.

To clear the programmed contents
• Press the MEMORY / PROGRAM button during stop and then press the STOP / CLEAR (□ / CLEAR) button.
• Press the CD OPEN / CLOSE button.

To add tracks to the programme
(1) Press the MEMORY / PROGRAM button to search until 00 appears in the track number.
(2) Select the desired track on the disc with DISC SKIP button and Turn the JOG DIAL.
(3) Press the MEMORY / PROGRAM button.

To change the programmed tracks
(1) Press the MEMORY / PROGRAM button to display the changed program number.
(2) Select the desired track on the disc with DISC SKIP button and Turn the JOG DIAL.
(3) Press the MEMORY / PROGRAM button.

NOTICE
• The DISC SKIP button does not operate during programmed play.

About Sound Multiplex button (on the remote control)

Use it when playing a disc with Sound Multiplex logo. Each time the button is pressed, it selects
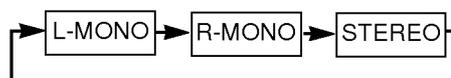
NOTE: 1. This function works only in the VIDEO CD palying.

15

■ Return Function with Ver. 2.0 VCD

Returns to the preceding MENU.

• If there is no preceding menu (in case of the fist menu), this function may not be executed.

■ PBC(Play Back Control) Function with Ver. 2.0 VCD

When this function is used for playback of the Disc which has the function of PBC driven by menu, the operation is made in Default PBC on mode.

1. Press the PBC ON/OFF button during Play or Stop mode of PBC Disc, and then Play is stopped.

2. Press the PLAY button to reproduce a source by general track unit.

3. When you want to make an operation in Menu mode, then repeat the step 1. "PBC ON" is displayed on the screen, and the operation is in stop mode.

4. Press the PLAY button to reproduce a source by menu.

■ Last Scene Search

It allows you to stop playing momentarily and play again from where you stopped.

1. Press Stop button.
2. Press the Last Scene button on the remote controller.

Note: The system does not work on PBC ON mode. (In video CD with PBC function.)

■ OSD(On Screen Display) Function

It can conveniently check the current play status and the remain time of the disc.

• If OSD button is pressed once, the current operation status.

OSD

```
NO1 TRK 01          12:00  PLAY
PROGRAM
REMAIN
SINGLE
REPEAT ALL DISC



                            STEREO
```

■ Remain Time (Remote Controller Only)

REMAIN

1. If pressed the REMAIN button once, the remaining time of the track is displayed.

REMAIN

2. If pressed one more time, the total remining time of the disc is displayed.

REMAIN

3. To cancel the remain time, press it again.

NOTES:

• During program, repeat 1 track play, only the remaining time of the track is displayed.

• Press the OSD button, the screen disappears after 15 seconds.

■ Previous/Next Function with Ver. 2.0 VCD

Go to the preceding page of the menu/play item.

• If there is no preceding page of the menu, this function may not be executed.

Go to the next page of the menu/play item.

• If there is no more pages of the menu, this function may not be executed.

16

Connect the microphone while playing Video CD and you can enjoy the karaoke at your own house. You can connect 2 microphones at the same time.

Precution: Turn the volume of each equipment to the lowest.

Check if the system is connected. (refer to page 7~8)	Turn on the powers of TV, Amplifier, and this equipment.

Insert microphone **Note:** If there is a ON/OFF switch on the microphone, turn it off.	**■ MIC 1 Jack** Insert when only one MIC 1	**■ MIC 2 Jack** Insert when two MIC 2

Load a Video CD on each disc tray.	Press "AUX" button on amplifier and then press "TV/VIDEO" button on TV TAPE TUNER AUX TV/VIDEO	Adjust the volume of equipment. ECHO VOL MIC VOL VOLUME
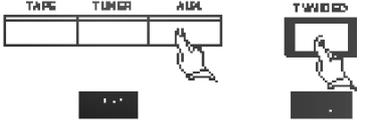
Press KARAOKE/VCD to KARAOKE. LG	Select the Disc No. and Track No. DISC 1 DISC 2 DISC 3
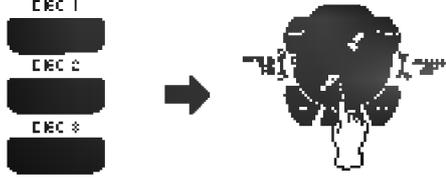
Start playing	Sing through the microphone while looking at the lyrics displayed on screen. **Note:** Turn on the

- **If the pictures are not in good quality,** adjust the picture with adjustment knobs according to the Television Manual.

  DARKNESS LUMINOSITY COLOR TONE COLOR THICKNESS DEFINITION

- If the signal is released by pressing the "TV/VIDEO" button on TV during karaoke play, the TV screen will be switched to its private channel.

- Note: Nothing score in VCD function.

※ Main functions could be operated in disc for only LG exclusive use.

Connect the microphone while playing KARAOKE CD disc and you can enjoy the karaoke at your own house.
You can connect 2 microphones at the same time.

• **Precation**: Turn the volume of each equipment to the lowest.

■	Check if the system is connected. (refer to page 7~8)	■	Turn on the powers of TV, Amplifier, and this equipment.

■	Insert microphone. **Note:** If there is a ON/OFF switch on the microphone, turn it off.

■ **MIC 1 Jack**
Insert when only one microphone is used

■ **MIC 2 Jack**
Insert when two microphones are used

■	Load a LG KALAOKE CD (K-CD 3.0). Press insert the LG KARAOKE CD to No. 1 tray possible.	■ Press "AUX" button on amplifier and then press "TV/VIDEO" button on TV.	■ Adjust the volume of each equipment. ※ **Note:** Pressing the MENU button before selection of melody No. and you can enjoy various functions for karaoke.

■	After VCD revival, in case of changing into karaoke mode, press KARAOKE/VCD button.

Put karaoke disc in and close disc TRAY and you can find karaoke disc automatically.
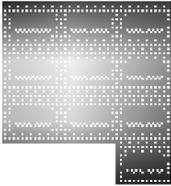
■	Selection of melody No.	■	Press PLAY button to start play.

■	In case of not putting the karaoke disc in.

NOLG KARAOKE DISC

18

■ **Key Control** **(During a melody choosing musical performance)**

• **Use it to control the key when you sing.**

| MAIN UNIT | REMOTE CONTROLLER | | MAIN UNIT | REMOTE CONTROLLER |

• Each time "Lower (b)" button is pressed, a half of key will be lowered in 6 steps (screen indicates Low 6).
• Each time "Higher (#)" button is pressed, a half of key will be raised in 6 steps (screen indicates High 6).

■ **Tempo Change** **(During a melody choosing musical performance)**

• Use it when you want to play fast or slow. When you want to tempo fast in the middle of singing, press
TEMPO + button once and then you can sing to your wanted tempo as the tempo is 1/2 faster.
On the contrary, for slow tempo, press TEMPO - button once and then you can sing to your wanted tempo as
the tempo is 1/2 slower.

– TEMPO   TEMPO +

■ **Mic Volume Control**

• If it is connected to MIC 1 and MIC 2 Jack, adjust volume from MIC VOL.

MIC VOL

Note: Turn clockwise to raise the volume and turn counterclockwise to lower the volume.

■ Echo Volume Control

Press the ECHO button to adjust the strength of echo.
The same echo level is applied to microphones connected to the MIC 1 and MIC 2 jacks.

ECHO

Press the ECHO button so that ECHO-1 ECHO-2 or ECHO-3 appears. Press the button repeatedly, the desired letters appear.

MIC VOL

- Turn clockwise : Up
- Turn counterclockwise : Down

■ Reservating Function

When you want to make a reservation of next melody, you can enjoy the most 8 melodies reservation
Without waiting.

PROGRAM

Press your wanted NUMERIC button
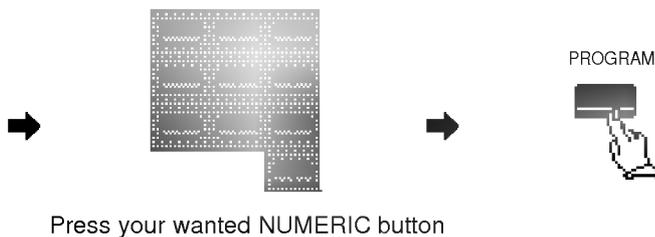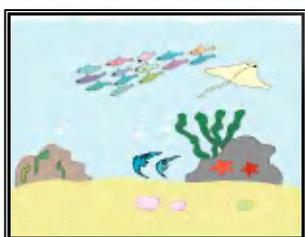
It is possible to reserve the 8 songs at its maximum on repeating the ① and ② operations.
After the one song finishes its playback, the next song will be playback automatically.

① To cancel the reserved song
Each time you press CANCEL button, the reserved song will be cancelled one by one.

② To cancel or change the wrong reserved song
Press the PROGRAM button to move to the desired position, then press the CANCEL button to cancel the reserved song.

■ Return Function

RETURN

Returns to the preceding MENU.
- If there is no preceding menu (in case of the fist menu), this function may not be executed.

■ Shadow Function with Remote Controller

SHADOW

VCD caption and song melody caption are mixed up, selection of SHADOWbutton of remote controller and title is expressed for shadow body in melody section when the time of function movement.

■ Video Select Function

DISC SK >   or   ΓEC1
ΓEC2
ΓEC3
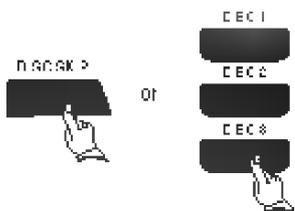
This button is used when you want to change the playback background screen to that of another disc.
Press the DISC SELECT button during the play mode.

20

■ Preparation:

If you press the MENU button, display the main menu screen.

MENU

⊞ Selection of Melody

PLAY & ELECT

Press your wanted NUMERIC button ex) No. 123

✱ If you cancel the selected melody press the CANCEL button.

MENU
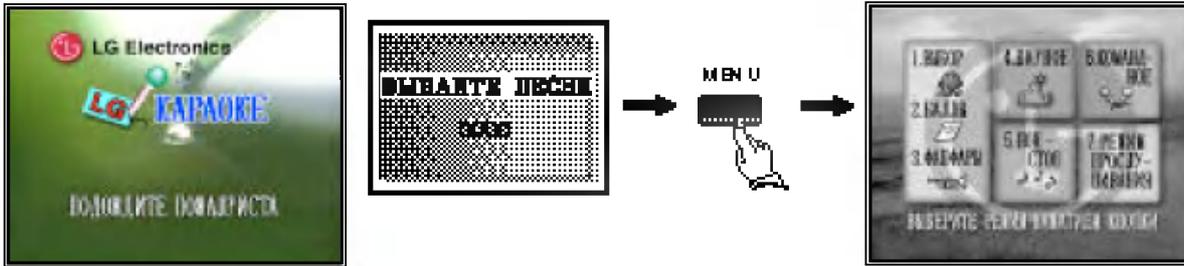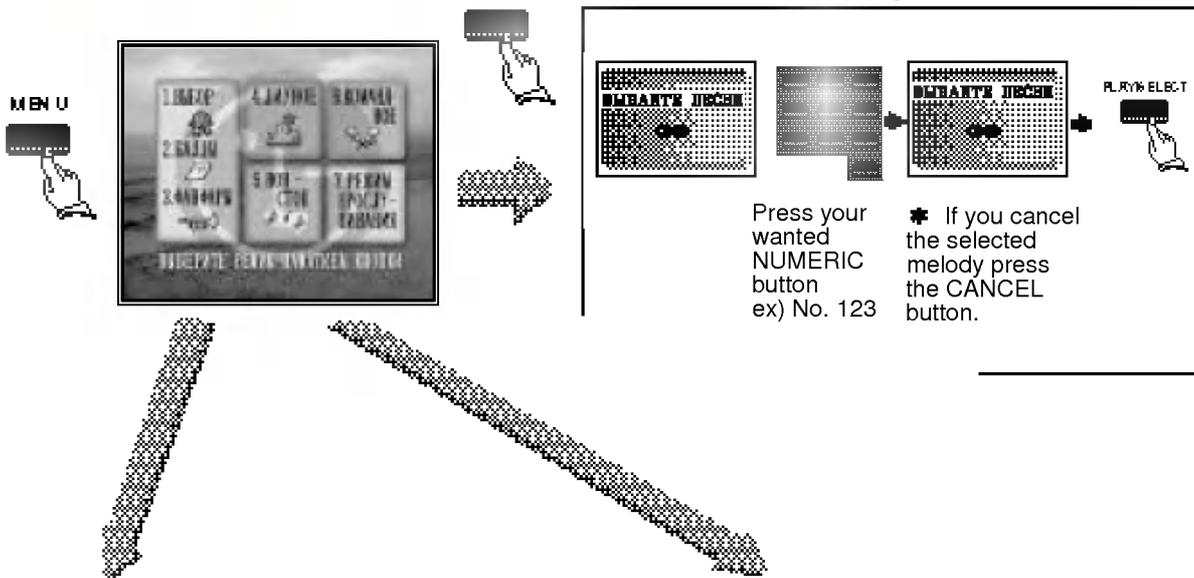
When singing by selection of melody, song score comes out after one piece of song is ended.
In the condition of first POWER-ON, the score appears. If not wanting of score, press No. 2 once and then the ⊘ mark is expressed on the screen with no score.
Press it again, the score comes out and ⊘ mark is removed.

In condition of POWER ON, scoring fanfare operate.

In the case of singing finished, the fanfare sound comes out after one piece of melody.
If not wanting of FANFARE, press No. 3 once and then the ⊘ mark is expressed on the screen with no FANFARE.
Press it once again, the FANFARE comes out and ⊘ mark is removed.

21

✠ Challenging Karaoke

For movement of challenging karaoke melody, PLS select. Challenge will be going on up to three times.

First Challenge (70 Points)	→	Second Challenge (75 Points)	→	Third Challenge (80 Points)

Over corresponding score, next challenge is possible.
Under corresponding score, no next challenge is possible.
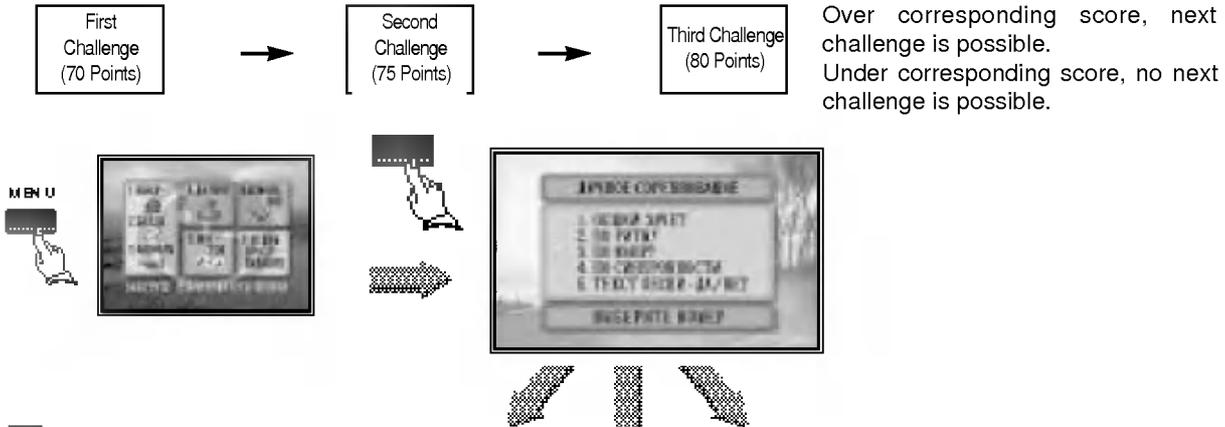
MENU
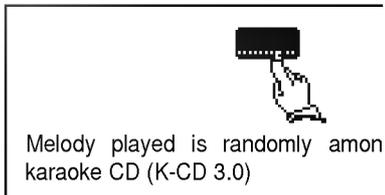
■ Melody performance randor   ance according to melody

Melody played is randomly amon karaoke CD (K-CD 3.0)

Press your wanted NUMERIC button

■ Challenge per title

Press your wanted NUMERIC button
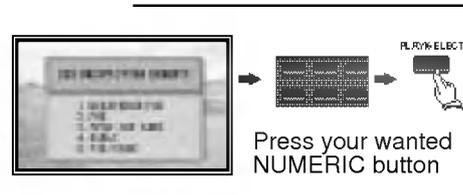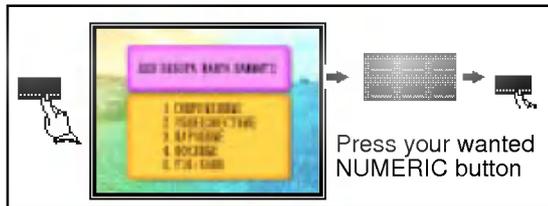
■ Melody performance according to year

Press your wanted NUMERIC button

■ The words of a song

Indicates for Exsitence/nothing of words on every pushing, Exsitence/nothing of the words is changed (no indication of melody when there is ▪ mark on)
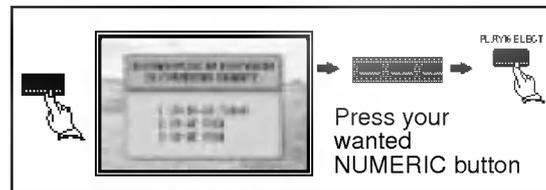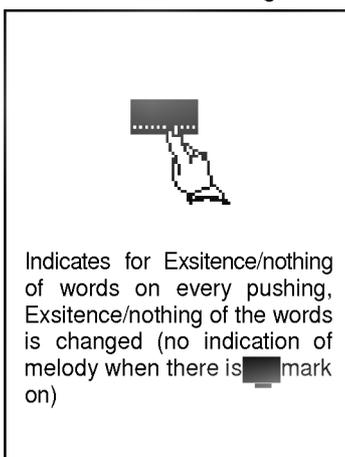
✠ Notes:

■ After selection of correspond MENU in a challenging singing room, pressing the button the numbers of challenging and scores of passing are indicated.

→ In dication of challenging No.
→ Numbers of challenging
→ Passing scores
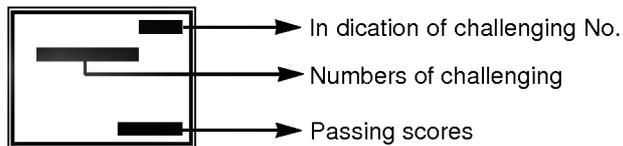
■ Success or fail for challenging, guiding passage comes out.
  ✠ When success for challenging is made, next challenging no & passing scores come out at random challenge.
  For genre/topics/chronolgy MENU expressed per each challenge.

■ Success or failure for whird chronology, indication fo failure for third challenge, with fanfare is marked on.

■ Selection of melody is selected randomly in a challenge singing room.

■ Melody Karaoke

Serial melody performance

Please, select for playing the same melody successfully.

■ Random   nce

Melody play
karaoke CD

Press your
wanted
NUMERIC button

⊟ Melody performance

Press your wanted
NUMERIC button
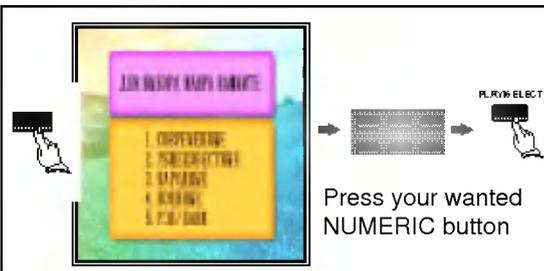
■ According to year performance

Press your wanted
NUMERIC button
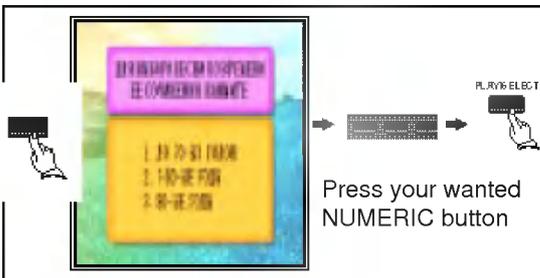
⊟ The words of a song Existence/nothing

Decide for Existence/nothing of
words pushing for one time,
melody indication
Existence/nothing is changed
(No indication of words when the
    ▬ mark is on)

• When you want to go to main menu in condition
  of revial or stop, press the MENU button or
  choose the RETURN button.
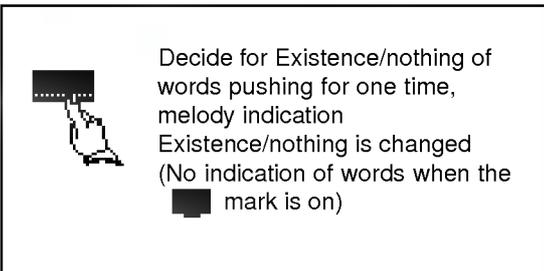
✻ Notes:

• After one piece of melody is over, it is played
  automatically among corresponding range of
  melodies in a random order. (The display returns to
  previous MENU after 30 tracks continuous play.)
• When performing a melody, it is skipped to next one
  once pushing STOP button.
• For movement to former screen, it is moved to the
  former screen on pushing RETURN button one time.
• To make it clear of melody karaoke screen, press
  MENU button and it is changed into menu screen.

• When you was to go to the former menu and
  then Main MENU comes out choose the
  RETURN button and then it goes back to the
  former MENU button.

■ Hot Sing Room Game
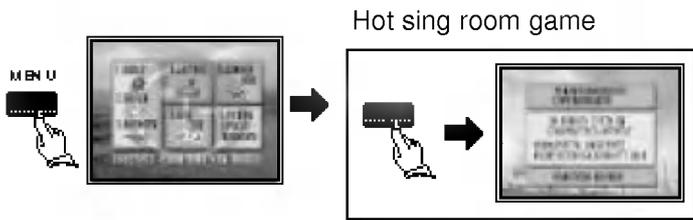
Hot sing room game

Hot sing room - It has a function which enjoy a game deviding by two teams of blue & red.

■ Winner's number selection

Press the winner's ideal number (1~9)

■ Selection of success score

Press your wanted NUMERIC button.

目 Number selection (1~20)

Ideal No. selection by a NUMERIC button.

⊟ Part Number selection

Blue team   Red team

Select by NUMERIC button.

"X" Signal to be on selected No. once, it's not selected.

■ PLAY

Changing the team of blue or red alternately for 4 to 5 courses.

Select by NUMERIC button

■ PLAY

Randomly slelected melody is played or no good or the chance is made.

1. **When randomly selected melody is played**
   The winning point of one is increased only if the score is over the already selected score by singing.

2. **If "The chance in going to over next team" (ПОПЫ) comes out**
   To next team.

3. **If "THE CHANCE"(ПОПЫТКА) comes out**
   The winning two points are increased in case of over successing score by singing.

■ When reaching the targeted winning No.

If any special team reached the winning No.

For going on the hot sing room game, press ① button and for cancelling, press button ②.

<When blue team wins>

Masterpiece Impression

Masterpiece impression

MENU

Select   when you want to impress the masterpiece as kinds you like.

Selection per mel(

Choose a
melody NO.

PLAY&ELECT

Selection of music

When p
button o
melody i

ФРОРТЕПИАНО

ВИБРАФОН

ГИТАРА

If can be different, for
electronic musical inst

yed
ected
ed in
(K-CD

◄◄ PREW   NEXT ►►

Make sure to
her composer

PLAY&ELECT

V/NEXTbutton.

re

Press your wanted
NUMERIC button.

PLAY&ELECT

✖ Note:

RETURN

On pressing the RETl
time it is returned to th

is played
ted which
elf.

Note: If press the STOP button, next melody is
revivaled rightly and randomly.

25

1. Switch on the auxiliary device i.e. TV or VCR, connected to the rear mounted AUX (PHONO) sockets.
2. Press the "AUX" function button.

NOTE:
You can also record from the auxiliary input source, see RECORDING section.

Playback

Preparation
■ You can use only normal tapes.

1. To set the cassette function:
Switch the unit on and press the TAPE 1/2 button. (If necessary press the button again to select the other deck.)

2. To insert cassettes:
Open cassette deck 1 (or 2) of both by pushing the deck▲ EJECTposition. Insert one or two cassettes with the tape side to the bottom and the cassette side that you wish to hear facing the front in cassette deck 1 or 2.
NOTE:
DECK 1 - Auto stop only (No auto reverse)
DECK 2 - Auto reverse

3. Auto reverse :
Select which side of the cassette is to be played and how often with the PLAY MODE button.
1) 1st Option
In case of non-autoreverse (auto stop) deck 1 and auto reverse deck 2.
In this case, the continuous play between deck 1 and 2 can not be performed.

(a) DECK 1
Front side play only.

(b) DECK 2 (Auto Reverse)
One side ⊏⊐ : Unit plays the front or reverse side in deck B and stops automatically at the end of the tape.

All side ⊏⊐ : Unit plays the front and reverse side in deck 2 and stops automatically at the end of the tape.

Endless loop ⊏⊐ : Like ⊏⊐ but six times in succession in deck 2.

2) 2nd Option
In case of non-autoreverse (auto stop) deck 1 and 2. (Front side play only)

4. Playback:
Start playback with PLAY button ▶ (front side) or ■(reverse side). The ■ (reverse side) PLAY button is not operated in the non-autoreverse deck.

5. Fast forward or rewind :
Press button ▶▶ on the unit or on the remote control for fast forward and ◀◀ to rewind.

6. To end playback :
Press the STOP / CLEAR (☐/CLEAR) button. The unit stops automatically at the end of the tape.

Tape Counter Reset

Press the COUNTER RESET button while tape playing or stop.
During play or fast forward, the tape counter increases and during rewind, the tape counter decreases.

26

Recording from a CD, Radio or Connected Equipment

Preparation
■ Wind on the tape to the point recording starts.
■ Use only normal tapes.
■ You can record from cassette deck 2 only.

1. To select the function :
Switch the unit on and select KARAOKE/VCD, TUNER, AUX etc.

2. To insert the cassette :
Open the cassette deck 2.
Insert a blank cassette into the cassette compartment.

3. PLAY MODE (OPTIONAL)
Select the play mode with PLAY MODE button, ⁼
if you wish to record one cassette side only and ⁼⁼
or ⊂⁼⊃ for both cassette sides.

4. Recording mode :
Press the REC/PAUSE (●REC/ II) button.
The ●REC indicator flashes.

5. To start recording :
Press the REC/PAUSE (●REC/ II) button or PLAY button ▷ if you want to record the front side or ■ for the reverse side (OPTIONAL). The recording begins.

NOTE :
If both cassette sides are to be recorded (PLAY MODE ⁼ , ⁼⁼) always start with the front side PLAY ⊂⁼⊃ . (Use only auto reverse deck)

6. To interrupt recording :
To interrupt the recording for a short period, press the REC/PAUSE (●REC/ II) button again.
To continue with the recording, press the REC/PAUSE (●REC/ II) button one more time.

7. To end the recording :
Press the STOP / CLEAR (□ / CLEAR) button.
The unit stops automatically at the end of the tape.

CD Synchro Recording

The CD synchro recording function dubs a complete CD and programmed titles automatically into a cassette.

1. Select the CD function.

2. Open the CD compartment with the CD OPEN / CLOSE button, insert discs and close the CD compartment again.

3. To insert cassette :
Open the cassette deck 2.
Insert a blank cassette into the cassette compartment.
Rewind the cassette to the beginning of the tape.

4. Auto reverse (OPTIONAL)
Select the PLAY MODE, ⁼ if you only wish to record the front side and ⁼⁼ or ⊂⁼⊃ for both cassette sides.

NOTE:
If the last track has stopped because the tape is full, the track will be recorded again completely on the reverse side of the cassette tape.

5. To start recording :
Press the CD SYNCHRO RECORDING button.
The recording begins and stops automatically at the end of the CD.

NOTE:
In case of Auto Stop deck (OPTIONAL)
If you want to record in a new tape after one tape continuously, change the new tape prior to pressing the PLAY button.
The tape enters into the recording mute mode for 7 seconds then CD player starts playing and recording.

NOTES :
1. If you only want to record certain titles, program these before the CD synchro recording.
2. If you wish to record from the desired track, select the desired track with the JOG DIAL before commencing CD synchro recording.
3. The function change is not possible during recording.

27

Recording from Tape to Tape (Dubbing)

Preparation
- Wind on the tape to the point recording starts.
- Use only normal tapes.
- Dubbing only functions from cassette deck 1 (playback) to cassette deck 2 (recording)

1. Select the TAPE function.

2. To insert cassettes :
Open cassette deck 1.
Insert a recorded cassette and the cassette side that you wish to dub to the front.
Open cassette deck 2.
Insert a blank cassette in the cassette compartment and the cassette side that you wish to record to the front.

3. To dub(auto dubbing):
Rewind both cassettes to the beginning of the tape.
Press NORMAL DUBBING for normal and HIGH DUBBING for double speed dubbing.
The dubbing starts up automatically.

NOTES :
The pause function does not operate during dubbing.

4. To end dubbing :
Press the STOP /CLEAR (☐ / CLEAR) button.
The unit stops automatically at the end of the tape.

NOTE :
You cannot change the speed of dubbing while dubbing.
The volume has no effect on the record level.

Timer Setting

With the TIMER function you can have the radio reception and recording, CD play, tape play or play and recording from auxiliary source turned on and off at the time desired.

1. Check the current time.
2. Press the ⏱ TIMER button to enter the timer setting mode. (If the timer is already set, press the button for more than 1.5 seconds.)
⏱ indicator appears in the display and each function-TUNER, CD, TAPE, AUX - flashes in the display in turn.
3. If you want to select the TUNER, press the CDII/SET/COUNTER RESET button until the TUNER appears in the display window.
'PLAY' and 'REC'flashes in turn.
(1) **Press the CDII/SET/COUNTER RESET button to confirm either PLAY and REC.**
PLAY : TUNER play only
REC : TUNER play and recording

(2) **Press PRESET DOWN or UP (or turn the JOG DIAL) to select a desired radio station of the previous programmed preset numbers.**
If the radio stations have nothing in the memory, this step is automatically skipped and you can operate continuously from step (3); in this case, it will play the radio broadcast that was being received before turning off the unit.
(3) **Press the CDII/SET/COUNTER RESET button to confirm the selected preset number.**
(4) **Set the hour to switch on by pressing PRESET DOWN or UP (or turning the JOG DIAL).**
(5) **Press the CDII/SET/COUNTER RESET button to confirm the hour to switch on.**
The minute flashes.
(6) **Set the monute to switch on, by pressing PRESET DOWN OR UP (or turning the JOG DIAL).**
(7) **Press the CDII/SET/COUNTER RESET button to confirm the minute to switch on.**
Now off appears and the hour flashes in the display.

(8) **Program the time to switch off in the same way as the time to turn on.**

(9) **Set the volume level by pressing PRESET DOWN or UP (or turning the JOG DIAL).**

(10) **Press the CDII/SET/COUNTER RESET button to confirm the selected volume level.**
⏏ remains in the display and the timer setting has been perfected.

(11) **Switch the system off.**
The selected function is automatically switched on and off at the time set.
■ **If you select the AUX:**
Follow steps (1)~(11) except steps (2)~(3) of '**3. If you want to select the TUNER'.**
■ **If you select the CD or TAPE:**
Follow steps (4)~(11) of the '**3. If you want to select the TUNER'.** explanation section.

4. To cancel or check the timer.
Each time the ⏏ TIMER button is pressed you can select the timer activating or cancel. You can also check the timer setting status.
To activate or check the timer, press the ⏏ TIMER button so that " ⏏ " lights up in the display.
To cancel the TIMER, press the ⏏ TIMER button so that " ⏏ " in the display goes out.

NOTES:
1. When the CD or TAPE is selected for playback, if no disc is entered in the disc drawer or no cassette tape is entered in the cassette deck, the TUNER function will be operated.

2. When the TAPE is selected for playback, if both cassette decks have cassette tapes in; the cassette tape in deck 2 will be selected first.

3. The timer-off function will be operated only in the case of power-on by the timer on.

Sleep Timer Setting
(Operating with only the remote control)

When the sleep timer is used, the power is automatically turned off after the specified time has elapsed.

1. **To specify the time until the power is turned off, Press the SLEEP button.** In the display you can see **SLEEP 90** for about 5 seconds. This means that the units turns off automatically after 90 minutes.
Each time the button is pressed the time interval before it turns off is reduced by 10 minutes. i.e. 80...70...etc.
Select the desired time to turn off.

2. **To check the remaining time until the power is turned off.**
While the sleep function is active press the SLEEP button briefly. The time remaining until it turns off is displayed for about 5 seconds.

NOTE:
If you press the SLEEP button while the sleep time is displayed, the SLEEP time is set again.

3. **To cancel the sleep timer mode**
If you wish to stop the function press the SLEEP button repeatedly until 10 appears, and then press the SLEEP button once again while 10 is displayed.

This unit has an auto function select system for various functions. i.e. If a function is in operation(e.g. radio reception), and you wish to switch to another(e.g. cassette playback), all you have to do is select the desired function(cassette playback) directly, the unit automatically switches to the new function(cassette recorder).This applies for the following functions:

1. **On the remote control**
TUNER : PRESET ∨ ∧ buttons
CD : PLAY/SELECT(▶) button
TAPE : FORWARD (▶) and REVERSE (◼) PLAY button (OPTIONAL)

2. **On the unit**
CD : DISC DIRECT PLAY buttons (DISC 1, 2, 3)

Should faults occur, check the corresponding CHECK ITEM and CORRECTIVE ACTION columns to locate and remedy the problem. If the fault cannot be remedied after the check, please consult nearest service agent or customer information center.

SYMPTOM	CHECK ITEM	CORRECTIVE ACTION
No power when the POWER button is set to ON.	• Is power plug connected properly?	• Insert the power plug firmly into the outlet.
	• Is power supply cut off momentarily?	• Check if other electrical devices work.
Disc play does not start or Faults indicated at display <eg> 2 Error, 5 Error, 8 Error.	• Isn't the disc loaded upside down? • Isn't the disc too dirty? • Is the disc damaged?	• Reload the disc with the label side UP. • Clean the disc. • Exchange the disc.
No sound.	• Is the audio cable connection correct?	• Check the connection jacks and connect correctly.
Sound skip or Picture disperse momentarily.	• Is the disc dirty or damaged?	• Clean the disc or exchange to other disc.
No picture.	• Is it in external input (Video signal) state? • Is the connection correct?	• Press "TV/VIDEO" button on TV. • Check the connection to TV.
MIC does not work	• Is volume controller in MIN? • Is between MIC and mouth too far? • Is the battery exhausted?	• Turn the MIC volume properly • Keep a appropriate distance • Replace the worn out batteries with new ones.
Using MIC, hiss noise occurred	• Is volume controller in mic? • Is between MIC and mouth too close? • Is MIC facing towards speaker?	• Turn the MIC volume properly • Keep a approiate distance • Avoid the direction of the speaker.

WHAT IS DEW FORMATION?

The formation of liquid drops within the equipment is called the dew formation. If the dew is formed, the disc can not be played.
If the equipment is moved as described below, turn the power on and wait for more than 2 hours before use.
• If it is moved from cold environment to warm place.
• If the surrounding temperature has gone up due to heating.
• If it is moved from air-conditioned room or car to high temperature and highly humid place during the summer.

- **AMP**
  - Output Power..50W+50W (6Ω , 2ch, T.H.D 10%)
  - Frequency Response ....42~25,000 Hz
  - Signal-to-Noise Ratio...80 dB
- **TUNER**
  FM
  - Tuning Range(optional)...................................87.5~108 MHz or 65~74 MHz & 87.5~108 MHz
  - Intermediate Frequency...10.7 MHz
  - Signal-to-Noise Ratio(Mono/Stereo, 98MHz)...61/58 dB
  - Frequency Response ....60~12,500 Hz
  AM(MW)
  - Tuning Range(optional)...522~1,611 kHz or 530~1,610 kHz
  - Intermediate Frequency..450 kHz
  - Frequency Response ....100~2,000 Hz
- **CASSETTE DECK**
  - FF, REW Time(C-60)..120 sec.
  - Frequency Response ....125~8,000 Hz
  - Signal-to-Noise Ratio...43 dB(P/B), 43dB(R/P)
  - Channel Separation..50 dB(P/B), 45dB(R/P)
- **CD**
  - Frequency Response ....40~18,000 Hz
  - Signal-to-Noise Ratio..70 dB
  - Playable Discs...Karaoke Disk(K-CD), Video CD, Audio CD
  - Dimamic Range..70dB
  - T.H.D..0.2%
  - Channel Separation..45dB
  - Acess Time (Short/Long)..2/6 sec
  - Video Output Level...1.0 ± 0.1V
- **Supplied Accessories**
  - Video Connection Cord (1P)..1
  - Audio Connection Cord (2P)..1
  - Remote Controller...1
  - AA(R06/UM-3)Type battery...2
  - Karaoke Disk...1
  - Microphone 1
- **GENERAL**
  - Power Requirements...Refer to the back panel of the unit.
  - Net Dimensions(WxHxD)...273 x 330 x 360 mm
  - Net Weight ....7.4 kg
- **SPEAKER SYSTEM**
  - Type...Bass Reflex 3 Way 3 Speaker System
  - Impedance..6 Ω
  - Frequency Response ....50~20,000 Hz
  - Sound Pressure Level ....85 dB/W(1m)
  - Rated Input Power...50W
  - Max. Input Power..100W
  - Net Dimensions(WxHxD)...230 x 404 x 288 mm
  - Net Weight...8.0kg

※ **Note** : The design and specifications are subject to change without notice in the course of product improvement.

(FOR THE CUSTOMERS IN RUSSIA)
"The working life of this product is 7 years since the date of purchase."

31

LG Electronics Inc.