VCD Micro Hi-Fi System

Owner's Manual

MODEL : LX-V340

(LX-V340A/S, LXS-V340V)

MP3 CD - R/RW

VIDEO CD

COMPACT disc DIGITAL VIDEO

COMPACT disc DIGITAL AUDIO

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

Precautions



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.

Graphical Symbols Explanation:



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.

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.

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

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.

VARNING: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.

Table of Contents

INTRODUCTION

Precautions 2
Table of Contents 3
Notes (Discs, Remote Control, Tape) 4
Safety Precautions 4
Notes on Discs 4
Notes on Remote Control 4
Notes on Tapes 4
Adjusting the voltage (OPTIONAL) 4
Identification of Controls 5-7
Front Panel 5
Remote Control 6
Rear Panel/Display Window 7

CONNECTION

Antenna Connections 8
Speaker System Connection 9
Connecting to a TV/Monitor 9

BEFORE OPERATION

Setting the Clock 10
Sleep Timer Function 10
Timer Functions 11
Audio Adjustment 12
Volume Adjustment 12
Sound Quality Adjustment 12
MUTE 12
XDSS (Extreme Dynamic Sound System) 12
SURROUND 12
OAO (Orientation Acoustic Optimizer) ON/OFF . . 12
Auxiliary (External Equipment) Input 12

RADIO OPERATION

Presetting Radio Stations 13
Listening to the Radio 13

CASSETTE DECK OPERATION

Tape Operation 14
Basic Playback 14
To Stop Play 14
Tape Counter Reset 14
To Play Rewind or Fast Forward 14
Recording Setup 14
Basic Setting 14
Recording from Radio, CD or Auxiliary Source . . 14
CD to Tape Synchronized Recording 14

CD/VCD OPERATION

Basic Playback 15
Basic Playback Setup 15
To Pause Play 15
To Stop Play 15
To Skip a Track or scene 15
To Search a track or scene 15
Advanced Playback 16-19
Last Scene Memory 16
Time Search Function 16
Display Function 16
Multiplex Function 16
PBC Play (Playback Control Play) 16
Digest Playback 17
Basic Setting 17
Intro Scan Playback 17
Disc Digest Playback 17
Disc Track Playback 17
Repeat Playback 18
Program Play Setup 18
MP3 Playback 19

ADVANCED OPERATION

KARAOKE 20
Karaoke Function 20
To Adjust ECHO Volume 20
To Change the Key (KEY CONTROL) 20
Recording with Karaoke 20

REFERENCE

System Selection (NTSC/PAL) 21
Discs Requirements 21
Troubleshooting 22
Specifications 23

Notes (Discs, Remote Control, Tape)

Safety Precautions

Handling the unit

When shipping the unit

The original shipping carton and packing materials come in handy. For maximum protection, re-pack the unit as it was originally packed at the factory.

To keep the surface clean

Do not use volatile liquids, such as insecticide spray, near the unit. Do not leave rubber or plastic products in contact with the unit for a long period of time.
They will leave marks on the surface.

Cleaning the unit

To clean the cabinet

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

Notes on Discs

Handling discs

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

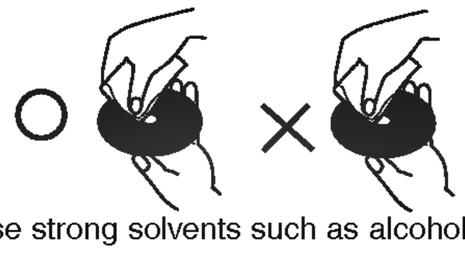


Storing discs

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

Cleaning discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.



Do not use strong solvents such as alcohol, benzine, thinner, commercially available cleaners, or anti-static spray intended for analog records.

Notes on Remote Control

Remote control operating range

Point the remote control at the remote sensor and press the buttons.

- **Distance :** . . . About 23 ft (7 m) from the front of the remote sensor.
- **Angle :** . About 30° in each direction of the front of the remote sensor.



Remote control battery installation

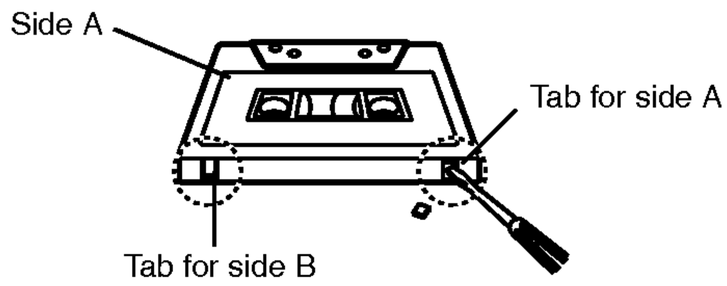
Detach the battery cover on the rear of the remote control, and insert two R03 (size AAA) batteries with ⊕ and ⊖ aligned correctly.

⚠ Caution

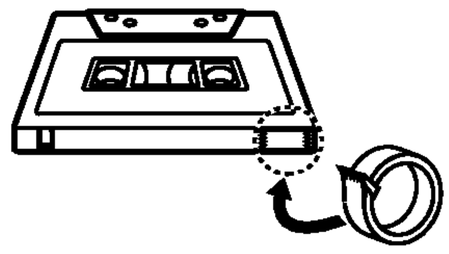
Do not mix old and new batteries. Never mix different types of batteries (standard, alkaline, etc.).

Notes on Tapes

Preventing overwriting a recording



Removing the safety tab(s) of the cassette (with a small screwdriver) will prevent accidental erasure.



Adhesive tape.

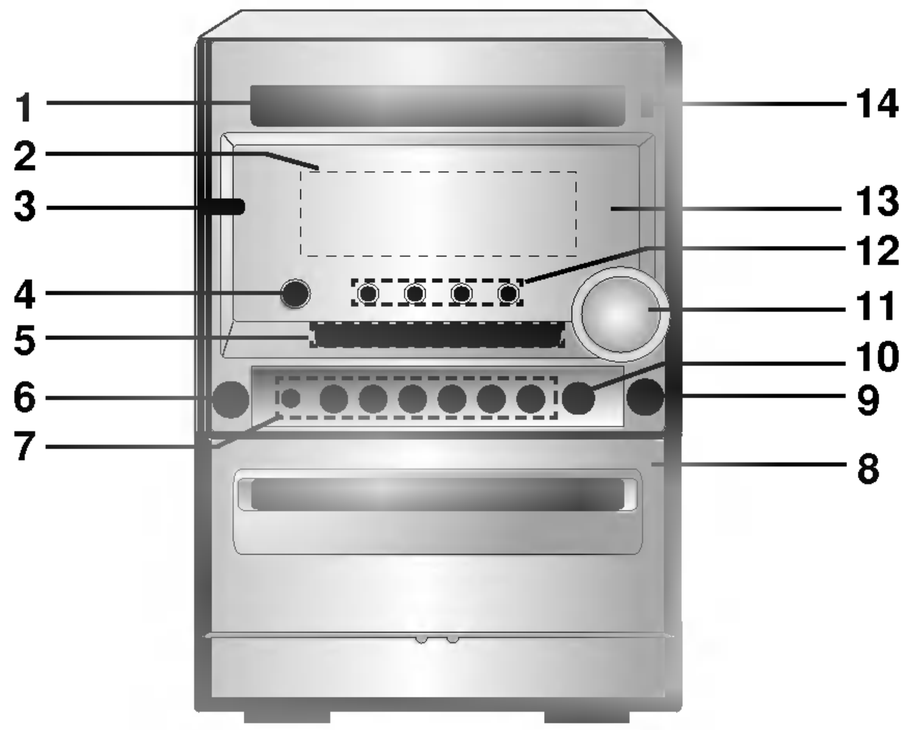
To record again, cover the hole of the tab with adhesive tape.

Adjusting the voltage (OPTIONAL)

If your unit is equipped with a voltage selector at the back side, be sure to set it to your local power supplied before connecting the AC power cord.

Identification of Controls (Cont'd)

Front Panel

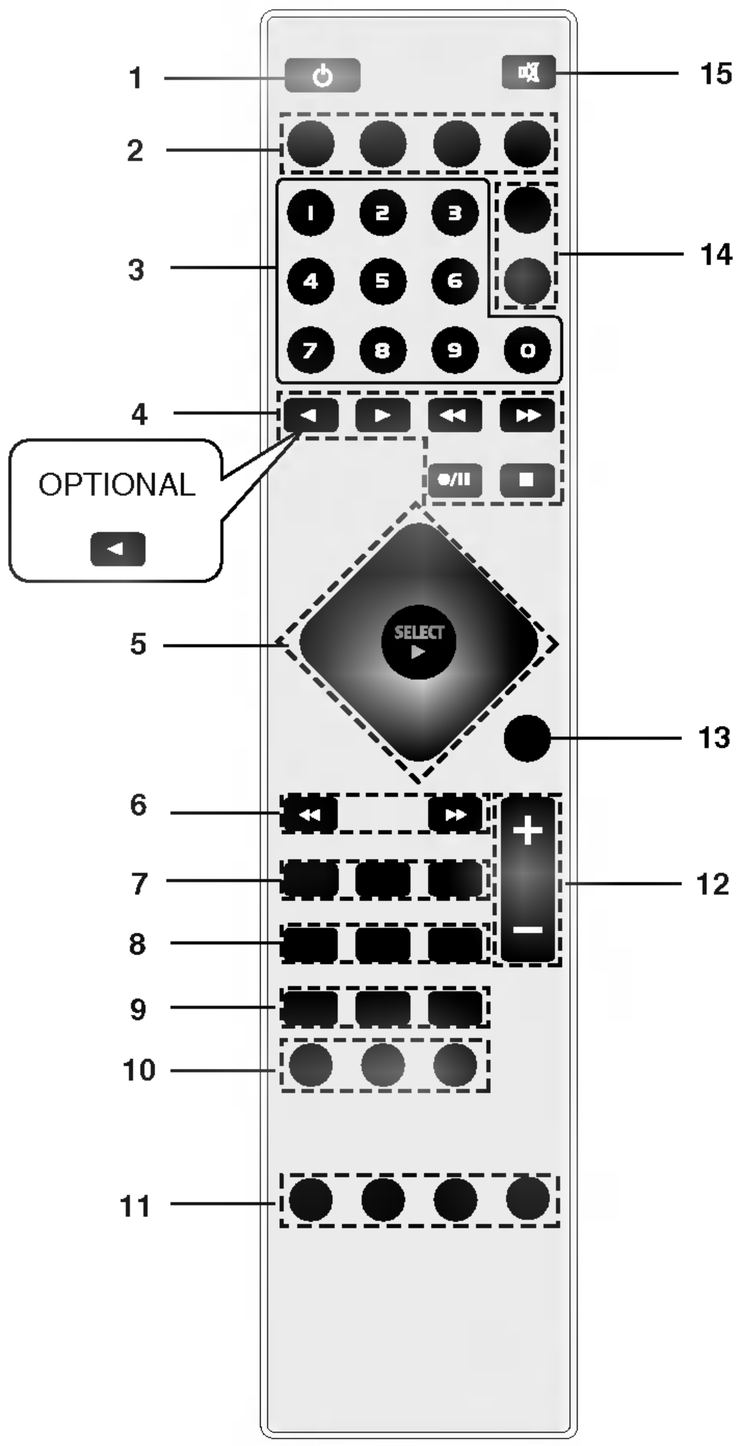


1. CD DOOR
2. DISPLAY
3. POWER (⏻STANDBY/ON) button
4. OAO (Orientation Acoustic Optimizer) button
5. FUNCTION SELECT button
   (TUNER/BAND, VCD/MP3/CD, TAPE, AUX)
6. HEADPHONE SOCKET (🎧 PHONES) - ⌀3.5mm
7. • SET/CD (❚❚) button
   • COUNT. RESET button
   • REC/PAUSE (● /❚❚) button
   • TUNING (-/+) buttons
   • PRESET (-/+) buttons
   • CD PREV./NEXT(⏮ / ⏭) buttons
   • TAPE REWIND/FAST FORWARD (⏮ / ⏭) buttons
   • PLAY (▶) button
   • REVERSE PLAY (◀) button : OPTIONAL
   • STOP (■)/CLEAR button
8. ⏏PUSH EJECT position - TAPE
9. MIC JACK (MIC) - ⌀3.5mm : OPTIONAL
10. MIC VOLUME CONTROL KNOB(MIC VOL.) : OPTIONAL
11. VOLUME CONTROL KNOB
12 • PBC button
   • CLOCK button
   • TIMER button
   • CD SYNC. button
   • MODE/RIF button
   • PLAY MODE button : OPTIONAL
13 • REMOTE SENSOR
14. • CD OPEN/CLOSE (⏏OPEN/CLOSE) button

Identification of Controls (Cont'd)

You will find instructions for each of the remote control functions in the appropriate sections of this instruction manual.

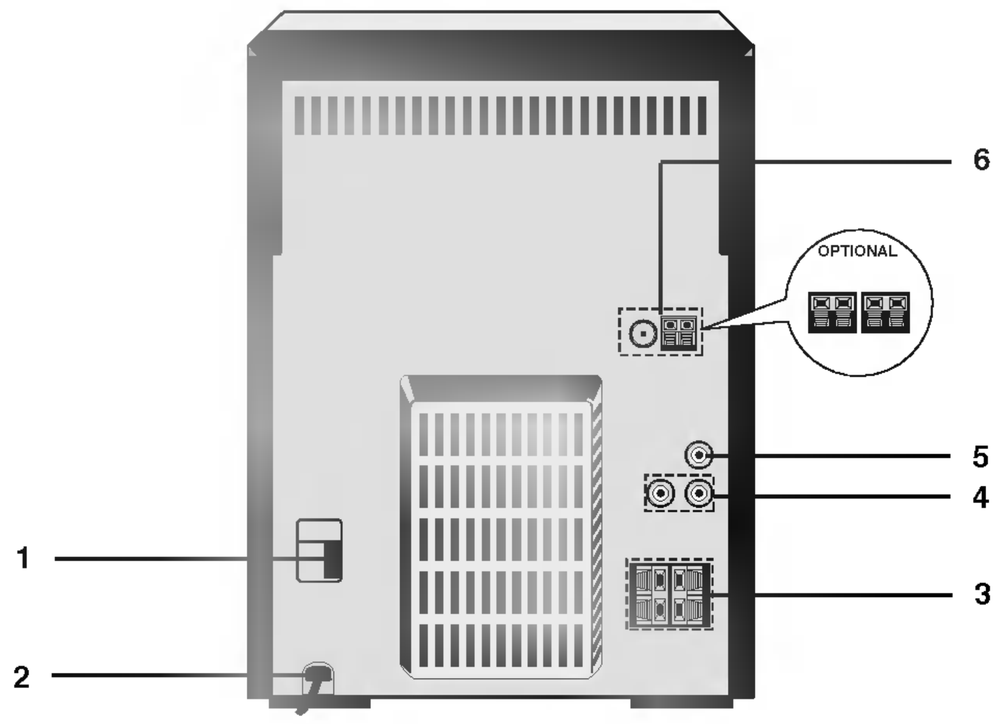
Remote Control



1. POWER button
2. Function select buttons
   (CD/VCD, BAND, AUX, TAPE)
3. Numeric buttons
4. TAPE FUNCTION buttons
   - BACKWARD PLAY (◀): OPTIONAL
   - FORWARD PLAY (▶) button
   - FAST REWIND/FAST FORWARD PLAY (◀◀/▶▶)buttons
   - RECORD/RECORD PAUSE (●/❚❚) button
   - STOP (■) button
5. VCD/CD CONTROL buttons
   - PLAY (▶)/SELECT button
   - PAUSE (❚❚) button
   - STOP (CLEAR ■) button
   - PREV./NEXT (|◀◀ / ▶▶|) buttons
6. • KEY CONTROL (b - KEY CON - #) buttons
   • CD SEARCH (◀◀/▶▶) buttons
7. • REPEAT button
   • PROG./MEMO button
   • RETURN ( ) button
8 • RESUME button
   • T.SEARCH button
   • DISPLAY button
9. • SCORE button
   • DIGEST button
   • NTSC/PAL button
10. • MPX button
    • ECHO button
    • PBC button
11. • EQ PATTERN (EQ) button
    • XDSS button
    • OAO button
    • SURROUND(SURR.) button
12. VOLUME (-/+) buttons
13. SLEEP button
14. PRESET (﹀/﹀) buttons
15. MUTE button

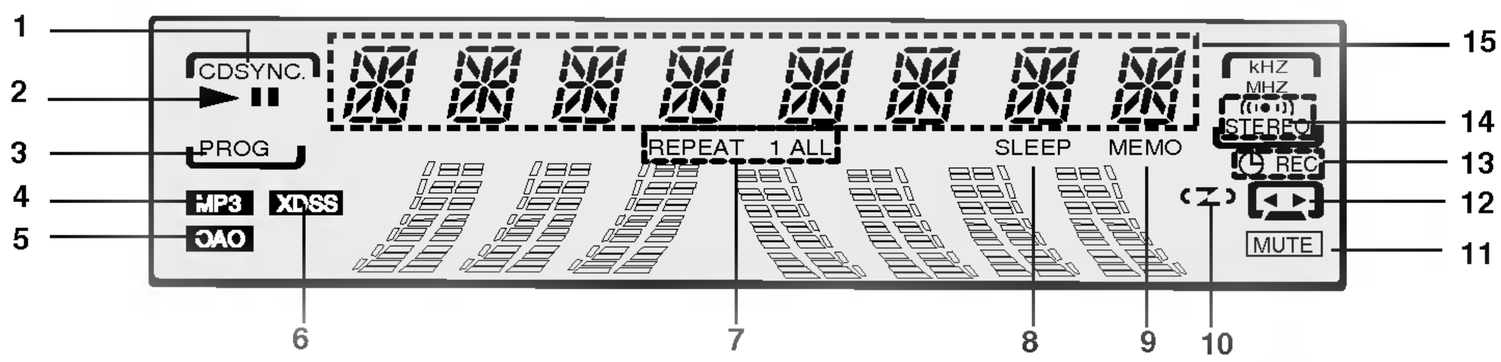
Identification of Controls

Rear Panel



1. VOLTAGE SELECTOR : OPTIONAL
2. POWER Cord
3. SPEAKER Terminal
4. AUXILIARY INPUT Jack
5. VIDEO OUT Jack
6. ANTENNA Terminal

Display Window

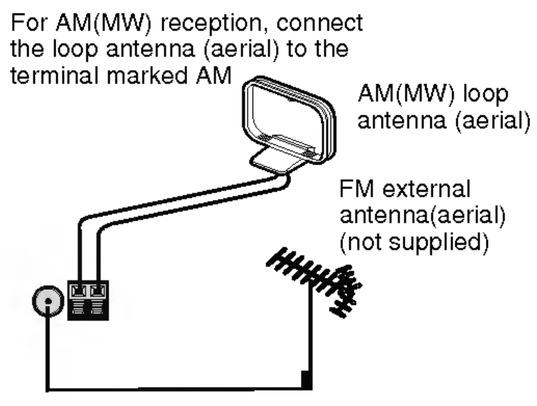


1. CD SYNCHRO RECORDING indicator
2. CD PLAY/ PAUSE indicator
3. PROGRAM indicator
4. MP3 indicator
5. OAO (Orientation Acoustic Optimizer) indicator
6. XDSS (Extreme Dynamic Sound System) indicator
7. CD REPEAT indicator
8. SLEEP indicator
9. MEMORY indicator
10. PLAY MODE indicator (OPTIONAL)
11. MUTE indicator
12. TAPE PLAY DIRECTION indicator (OPTIONAL)
13. • RECORD/ RECORD PAUSE indicator
    • TIMER indicator
14. FM STEREO indicator
15. FUNCTION indicators

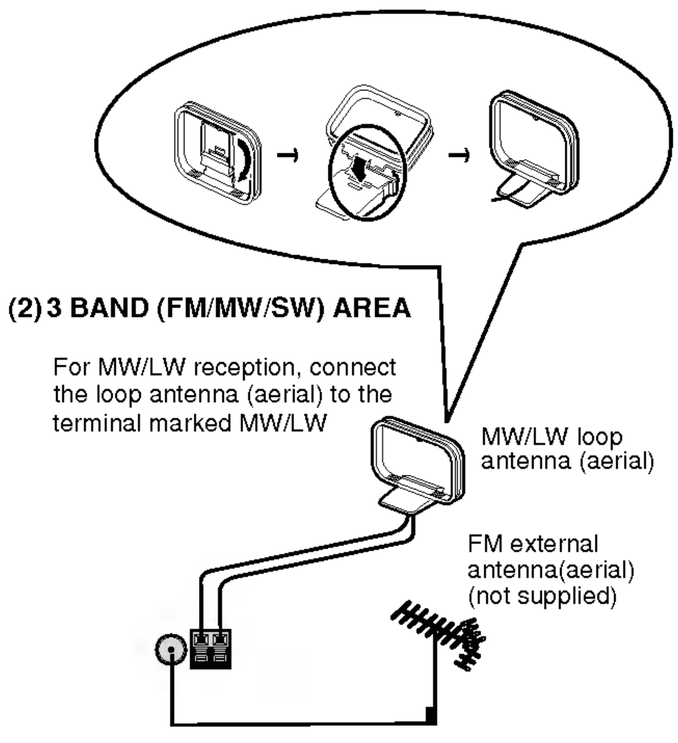
Antenna Connections

Connect the supplied AM(MW)/FM(SW:OPTIONAL) antennas for listening to the radio.

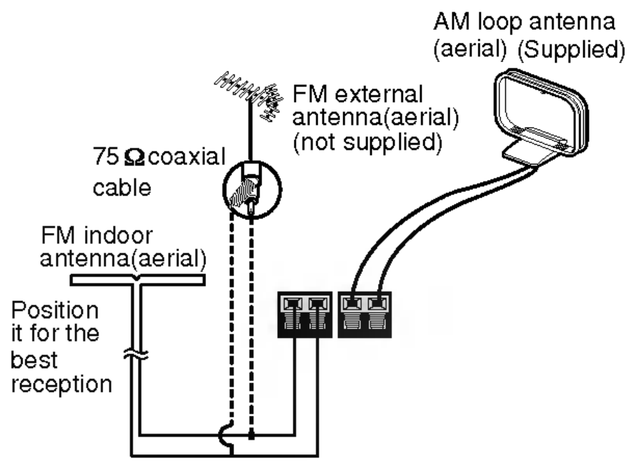
(1) 2 BAND (FM/AM) AREA



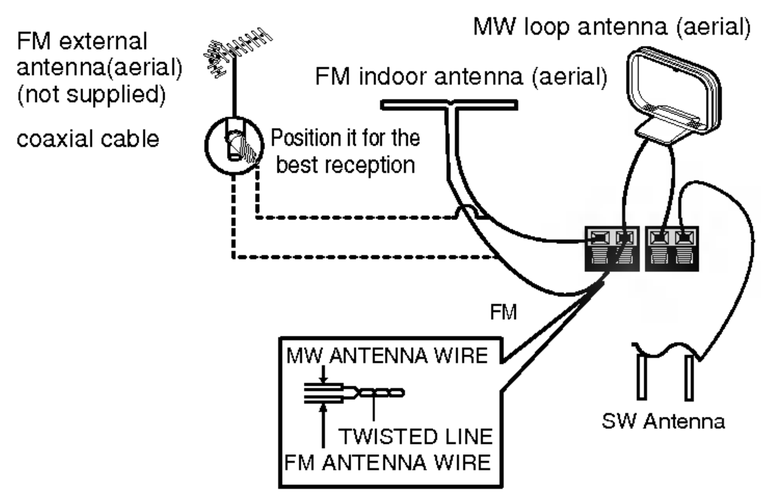
(2) 3 BAND (FM/MW/SW) AREA



(3) 2 BAND (FM/AM) AREA



(4) 3 BAND (FM/MW/SW) AREA

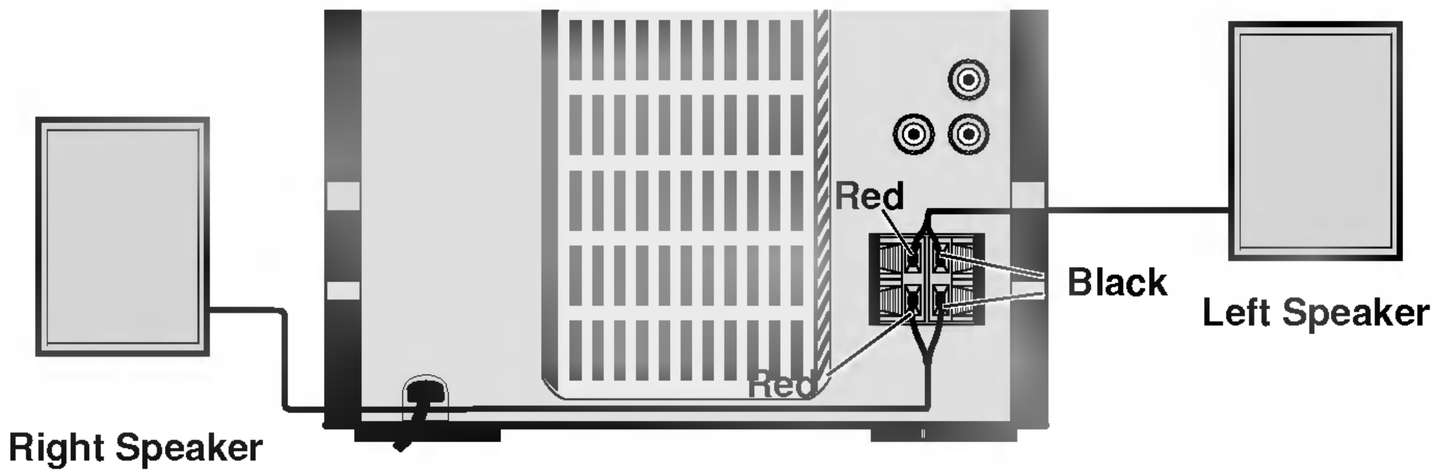


Notes

- To prevent noise pickup, keep the AM loop antenna away from the unit and other components.
- Be sure to fully extend the FM antenna wire.
- After connecting the FM antenna wire, keep it as horizontal as possible.

Speaker System Connection

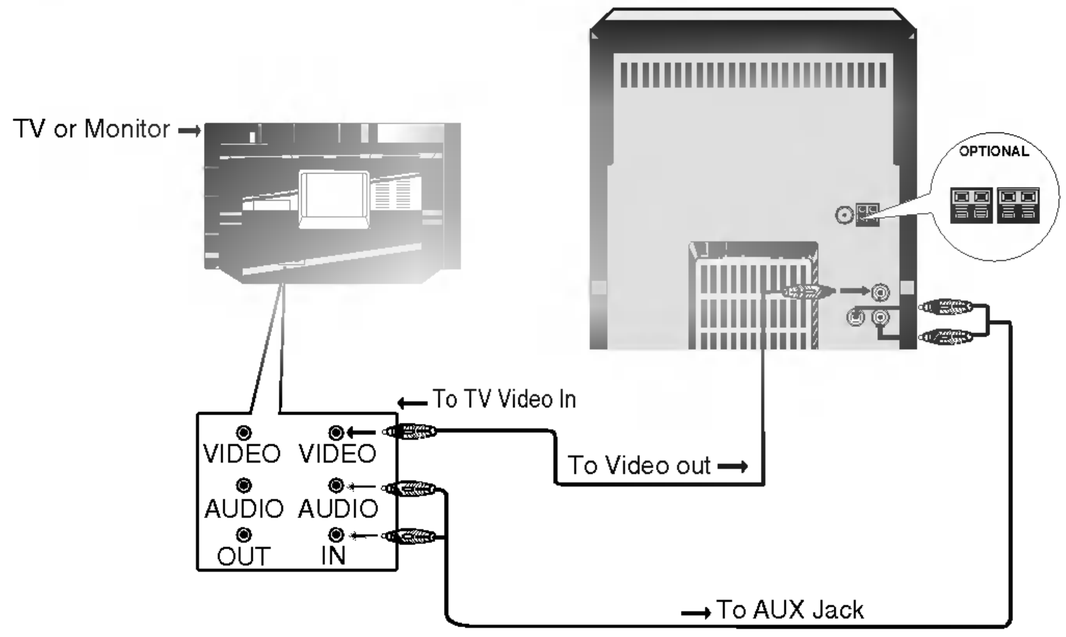
Connect the speaker cords to the speaker terminals.



Notes

- Be sure to match the speaker cord to the appropriate terminal on the components: + to + and – to –. If the cords are reversed, the sound will be distorted and will lack bass.
- If you use front speakers with a low maximum input rating, adjust the volume carefully to avoid excessive sound output to the speakers.
- Do not disassemble the front cover of supplied speaker.

Connecting to a TV/Monitor



VIDEO OUT jack connection

Connect the VIDEO OUT jack on the back of the unit to a VIDEO IN jack of a TV or monitor.

AUDIO OUT jacks connection

Connect the AUDIO OUT jack on the back of the unit to a AUDIO IN jack of a TV or monitor.

AUX jacks connection

Two phones jacks marked AUX are provided on the back of the unit for connecting other units.
(For example, a record player with a pre amplifier, video recorder or tape recorder.)

Notes

- Refer to the owner's manual of your TV as well.
- When you connect the unit to your TV, be sure to turn off the power and unplug both units from the wall outlet before making.

Setting the Clock

1 **Press CLOCK.**
(If the clock requires setting, press and hold **CLOCK** for more than 2 seconds.)
- The hours display begins to blink.

2 **Select either the 24 hour cycle or the 12 hour cycle by pressing PRESET (-/+).**



(12HR) or



(24HR)

3 **Press SET to confirm the selected hour cycle.**

4 **Use PRESET (-/+) to set the current hour.**

5 **Press SET.**

6 **Use PRESET (-/+) to set current minutes.**

7 **Press SET and the correct time is shown on the display.**

8 **Press CLOCK at any time to show the time on the display, for about 5 seconds.**

Sleep Timer Function

When the sleep timer is set, the unit automatically turns off after the specified time has elapsed.

1 **To specify the time delay before the power is turned off, press SLEEP.**
In the display window you can see `SLEEP 90` for about 5 seconds. This means that the system 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 **SLEEP** briefly. The time remaining until the unit turns off is displayed for about 5 seconds.

Note
If you press **SLEEP** while the sleep time is displayed, the SLEEP time is reset.

To cancel Sleep Timer setting

If you wish to stop the function, press the **SLEEP** button repeatedly until “SLEEP 10” appears, and then press **SLEEP** once again after “SLEEP 10” shows on the display.

Timer Functions

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

1 **Press CLOCK to check the current time.**

For your reference
If you don't set clock, timer function doesn't work.

2 **Press TIMER to enter the timer setting mode.**
TUNER-CD-TAPE flash in the display window in turn.

For your reference
If you want to correct the previous memorized TIMER setting, press and hold the **TIMER** button more than 2 seconds.
-The previous memorized timer setting for On Time and "🕘" indicators appear in the display.

3 **Press SET when the desired function flashes.**

4 **1. a. When you select TUNER function, "PLAY" and "REC" indicator flash in the display window alternately for about 3 seconds.**
"PLAY" indicator : TUNER play only
"REC" indicator : TUNER play and recording

b. Select the previous memorized preset number with PRESET (-/+) and press SET.
- "ON TIME" indicator appears for about 0.5 seconds in the display window and then disappears.

2. When you select CD or TAPE function,
- "ON TIME" indicator appears for about 0.5 seconds in the display window and then disappears.

5 **Set the turn on hour using the PRESET (-/+).**

6 **Press SET to confirm the turn on hour time.**

7 **Set the turn on minutes time using the PRESET (-/+).**

8 **Press SET to confirm the turn on minutes time.**
"OFF TIME" indicator appears for about 0.5 seconds in the display window and then disappears .

9 **Set the turn off hour time using the PRESET (-/+).**

10 **Press SET.**

11 **Set the turn off minutes using the PRESET (-/+).**

12 **Press SET.**

13 **Adjust the volume level using the PRESET (-/+).**

14 **Press SET.**
"TIMER" appears in the display window and the timer setting has been completed.

15 **Turn the system off.**
The selected timer functions are automatically switched on and off at the preset times.

To cancel or check the timer

Each time the **"TIMER"** button is pressed you can select the timer set or cancel. You can also check the timer setting status.
To activate or check the timer, press the **"TIMER"** button repeatedly so that "🕘" appears in the display window.
To cancel the TIMER, press the **"TIMER"** button repeatedly so that "🕘" disappears from the display window.

Audio Adjustment

Volume Adjustment

- On unit, turn **VOLUME CONTROL KNOB** clockwise to increase the sound level, or counterclockwise to decrease it.
- On remote, use **VOLUME +** to increase the sound level, or use **VOLUME -** to decrease it on the remote control.

Sound Quality Adjustment

- **To activate stereo sound**
  You can choose between 4 fixed sound impressions.
  Select a desired sound mode using the **EQ** on the remote control .

FLAT	: Linear frequency response
ROCK	: More bass, more treble
POP	: Less bass, less treble
CLASSIC	: For orchestral music

- **Headphone Jack**
  Connect a stereo headphone plug (⌀3.5mm) into the headphone jack.
  The speakers are automatically disconnected when you plug in the headphones (not supplied).

MUTE

Press **MUTE** to turn off the sound, press again to restore.
You can mute your unit in order, for example, to answer the telephone, "MUTE" indicator flashes in the display window.

XDSS (Extreme Dynamic Sound System)

Use the **XDSS** feature to reinforce treble (Hi-Tone) and bass.
The "XDSS ON" or "XDSS OFF" indicator lights up.
To cancel it press **XDSS** again.

SURROUND

To activate surround mode
You can choose one among 2 fixed sound impressions.
Select a desired surround mode using the **SURROUND (SURR.)** button.
SURROUND ON ↔ SURROUND OFF

OAO (Orientation Acoustic Optimizer) ON/OFF

Press OAO to reinforce the bass sound. The "OAO ON" or "OAO OFF" indicator lights. To cancel, press OAO again.

Auxiliary (External Equipment) Input

1 Connect an auxiliary device i.e. TV or VCR, via the rear mounted AUX phone jacks.

2 Press **AUX**.

Note
You can also record from the auxiliary input source, see Recording Section.

Presetting Radio Stations

You can preset 50 stations for FM and AM (SW : OPTIONAL). Before tuning, make sure that you have turned the volume down to the minimum level.

1. **Press TUNER/BAND (or BAND on the remote control) to show either FM or AM (SW : OPTIONAL) in the display window.**
2. **And then every time you press TUNER/BAND (or BAND on the remote control), FM and AM (SW : OPTIONAL) change alternately.**
3. **Press TUNING (-/+) on the front panel until the frequency indication starts to change, then release.**
   Scanning stops when the unit tunes in a station.
4. **Press PROG./MEMO on the remote control.**
   A preset number will flash in the display window.
5. **Press PRESET (-/+) to select the preset number you want.**
6. **Press PROG./MEMO again.**
   - The station is stored.
7. **Repeat steps 3 to 6 to store other stations.**

To clear all memorized stations

Press and hold **PROG./MEMO** on the **remote control** for about two seconds, "CLEAR" appears in the display window and then press **CLEAR** again, the stations are cleared.

For your reference

If all stations have already been entered, FULL message will appear in the display window for a moment and then a preset number will flash. To change the preset number, follow the steps 5-6 on the left side.

To recall preset numbers

Press and hold **PRESET (-/+)** until the desired preset number appears or press the button repeatedly.

Automatic Tuning

Use **TUNING (-/+)** for more than 0.5 seconds.

Manual Tuning

Use **TUNING (-/+)** briefly and repeatedly.

Listening to the Radio

1. **Use TUNER/BAND (or TUNER on the remote control) to select either AM or FM in the display window.**
   The last received station is tuned in.
2. **Press PRESET (-/+) repeatedly to select the preset station you want.**
   Each time you press the button, the unit tunes in the next preset station.
3. **Adjust the volume by rotating VOLUME CONTROL KNOB (or pressing VOLUME (-/+) on the remote control repeatedly).**

To listen to non-preset radio stations

- For manual tuning, see "Manual Tuning" as above.
- For automatic tuning, see "Automatic Tuning" as above.

To turn the radio off

Press **POWER (⏻ STANDBY/ON)** to turn off the unit or to select another function mode (VCD/MP3/CD, TAPE or AUX).

For your reference

- **If a FM program is noisy**
  Press **MODE/RIF** repeatedly so that "▮▪▮▮" disappears in the display window. There will be no stereo effect, but the reception will improve. Press **MODE/RIF** again to restore the stereo effect.
- **To improve reception**
  Reposition the supplied antennas.

Notes

- Use **MODE/RIF** (Radio Interference Filter) function to switch to Mono reception if stereo reception is distorted by noise.
- While recording weak AM broadcasts, if noises occurs, press **MODE/RIF** once.

Tape Operation

Basic Playback

1 **Press TAPE on the front panel or remote control to select TAPE function.**
("NO TAPE" appears in the display window.)

2 **Open cassette door by pushing ⏏PUSH EJECT position.**

3 **Insert cassette with the tape side to the bottom and then close cassette door.**

4 **Press ▶ (or ◀: OPTIONAL) on the front panel or remote control.**

AUTO STOP DECK
After auto stop deck plays front side of cassette, the unit stops automatically.

AUTO REVERSE DECK : OPTIONAL
Select cassette playback direction (front or back) with **PLAY MODE** button.

Pressing	Display	Function
Once	⇄	After the cassette in deck plays front or reverse (backward play) side, stops automatically.
Twice	⇄)	After the cassette in deck plays front and reverse side, stops automatically.
Three times	(⇄)	After the cassette in deck plays six times repeatedly front and reverse side, stops automatically.

To Stop Play

Press STOP(■)/CLEAR on the front panel or TAPE STOP(■) on the remote control during playback.

Tape Counter Reset

Press COUNT.RESET during playback.
Playing time appears "TP 0000" in display window.

To Play Rewind or Fast Forward

After press ⏮ / ⏭ on the front panel or ◀◀/▶▶ on the remote control during playback, press PLAY (▶) at the tape position you want.

Recording Setup

Basic Setting

1 **Press VCD/MP3/CD or TUNER/BAND to select source.**

2 **Open the cassette door and insert a blank cassette into the cassette compartment.**

To set the recording direction (OPTIONAL)
Press **PLAY MODE** repeatedly to set the recording direction.

Recording from Radio, CD or Auxiliary source

1 **Press ●REC/II on the front panel or ●/II on the remote control.**
"REC" flashes and holds the cassette in pause mode.

2 **Press PLAY(▶) (or ◀: OPTIONAL) on the front panel or remote control.**
The recording is begun.

To pause the recording, press **●/II** .
("REC" flashes in display widow.)

To stop the recording, press **STOP (■)/CLEAR**.

CD to Tape Synchronized Recording

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

1 **Press CD SYNC. in stop mode.**
"REC" flashes and "CD SYNC" displays in the display window.

2 **The synchronized recording is started automatically after about 7 seconds.**

Notes
- If you wish to record from the desired track, select the desired track with ⏮ / ⏭ before commencing CD synchro recording.
- The function change is not possible during recording.

Basic Playback

Preparation

In case of using a TV
Turn on the TV and select the video input so that you can view the pictures from this unit.
In case of using an amplifier
Turn on the amplifier and select the CD player position so that you can listen to the sound from this unit.

Basic Playback Setup

1 **Press POWER (⏻STANDBY/ON) to turn on the unit.**

2 **Press the VCD/MP3/CD button to select CD function.**
If no disc is in the disc drawer, the "NO DISC" indicator appears.

3 **Press CD OPEN/CLOSE (⏏OPEN/CLOSE) and place the disc into the disc tray.**

Note

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

4 **Press CD OPEN/CLOSE (⏏OPEN/CLOSE) to close the disc compartment.**

5 **Press PLAY(▶).**

To Pause Play

Press CD PAUSE (CD❚❚) during playback.
Press the button again to resume play.

To Stop Play

Press STOP(■)during playback.

To Skip a Track or scene

- **Press NEXT(▶▶\|) to go to the next scene or track.**
- **When PREV.(\|◀◀) is pressed once midway through a scene or track, the player returns to the start of that scene or track. When it is pressed again, a scene or track is skipped each time the button is pressed.**

To Search a track or scene

Press ◀◀ / ▶▶ repeatedly during playback.
(When a desired scene is displayed, press **PLAY (▶)**.

(TV screen)

FR X 1	FF X 1

- The speed of advance (reverse) is relatively slow at first. When the button is pressed again, the speed becomes faster. (Each time the button is pressed, the speed increases up to 4 steps.)
- The speed will be retained even after the button is released.

Note

This function is not available to play a MP3 file.

Advanced Playback (Continued)

Last Scene Memory

The unit memorizes the point you stopped a VIDEO CD and you can resume playback from that point.
It is not available during playing an audio CD.

1 **Press STOP (■) during playback.**

2 **Press RESUME on the remote control.**
- The unit starts playback from the point you stopped the VIDEO CD in step 1.
- "RESUME" appears on the TV screen.

Time Search Function

This function lets you use elapsed time as a guide to find a certain point on a VIDEO CD.
Time Search function is especially useful when playing discs that have only a few track divisions.

1 **Press T.SEARCH during playing or stopping.**

(TV screen)

TIME SEARCH _ _:_ _

2 **Press the NUMERIC buttons to enter the time of the point that you want to locate.**
Playback is started automatically from the entered time.

TIME SEARCH 22:15

For your reference
- This function can not be used during Digest Play , AUDIO CD and VIDEO CD with PBC function (Version 2.0 discs).

Display Function

- **Press DISPLAY during playing.**
  - You can view the elapsed time per a track.
- **Press DISPLAY again during playing.**
  - You can view the remained time per a track.
- **Press DISPLAY once more during playing.**
  - You can view the total remained time on the disc.

Multiplex Function

You can select the sound from the right or left channel and listen to the sound of the selected channel through both the right and left speakers. In this case, the sound loses the stereo effect.

Press MPX during playing a disc.
Each time you press the button, the indication and the sound from the speakers change as follows.

Pressing	Screen	Function
Once	MONO L	You can hear the sound of the left channel.
Twice	MONO R	You can hear the sound of the right channel.
Three times	STEREO	You can hear the standard stereo sound.

Notes
- This screen doesn't appear on the display window.
- This function doesn't work for TUNER, TAPE and AUX functions.

PBC Play (Playback Control Play)

- When playing VIDEO CD with PBC functions (Version 2.0 discs), you can enjoy playing simple interactive software, software with search functions, etc.
- PBC play allows you to play VIDEO CD interactively, following the menu screen on the TV screen.
- Also refer to the instructions supplied with the disc, as the operating procedure may differ according to the VIDEO CD.

1 **Insert VIDEO CD with PBC function, press PLAY (▶).**
"PBC" appears in the display window.

2 **Select the menu number you want by pressing NUMERIC buttons on the remote control.**
The selected item is now executed.
(Or Select the menu number you want by pressing the ⏮ / ⏭ on the remote control, and then press the SELECT button.)

To Stop play
Press **STOP (■)** during playback.

To go the next of a menu
Press **NEXT**.

To go back to a previous menu
Press **PREV.**.

To go back to the top of a menu
Press **RETURN (↶)**.

Advanced Playback (Continued)

Digest Playback

Notes

- This function is not used in MP3 file CD.
- If you start Digest play before you start playing a VIDEO CD with PBC functions, the unit automatically starts playing without PBC functions.

Basic Setting

You can locate the disc or scene you want by observing several still pictures at one time on the TV screen.

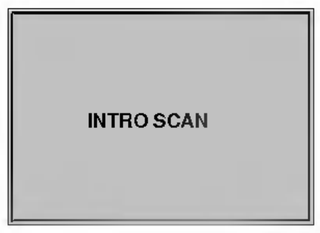
Press DIGEST during stopping.
The following menu appears on the TV screen.



Intro Scan Playback

Press NUMERIC button 1.

- This function only plays 10 seconds the beginnings of each track or scene on the disc.



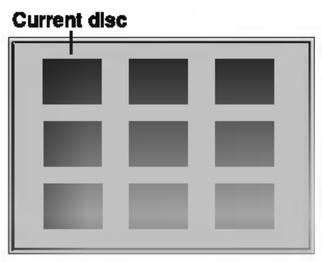
- In case of audio CD, you can only hear a sound.
- In case of VIDEO CD, you will also see a scene.

Disc Digest Playback

You can locate the track you want by observing the first picture of 9 tracks on the disc at one time on the TV screen.

1 **Press NUMERIC button 2.**

- During playing a VIDEO CD , the TV screen shows still picture of the first scenes of tracks 1 to 9.



To view still pictures of the tracks of the tracks numbered over 9.
Press NEXT (▶▶|).

- The TV screen shows still pictures of tracks 10 to 18.
- To go back to the previous screen, press PREV..

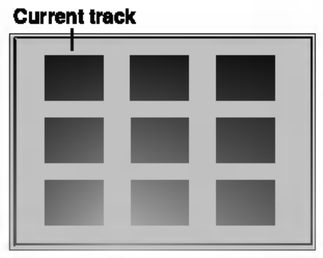
2 **Press NUMERIC buttons to select the track you want.**
The unit starts playing from the selected track.

To cancel Disc digest playback
Press **STOP (■)**.

Disc Track Playback

You can locate the point you want by observing first picture of 9EA of each section at one time on the TV screen. This might be useful when you play a disc which is divided into a few tracks, such as a movie.

1 **Press NUMERIC button 3.**
During playing a VIDEO CD , the unit divides the track into 9 sections and TV screen shows still pictures of each section in order.



For your reference
To view sections of another track, press **NEXT** such as Disc digest play.

2 **Press NUMERIC buttons to select the point you want.**
The unit starts playing from the selected point.

To cancel Disc track play
Press **STOP (■)**.

Advanced Playback (Continued)

Repeat Playback

NOTE: The repeat play does not work in PBC ON status of the VIDEO CD with PBC function (Version 2.0).

To play one track repeatedly

Press **REPEAT** once during playback.
- "REPEAT 1" appears in the display window.

To play one disc repeatedly

Press **REPEAT** again during playback.
- "REPEAT 1" appears in the display window.

To play all tracks on all disc repeatedly

Press **REPEAT** once more during playback.
- "REPEAT ALL" appears in the display window.

To cancel repeat play

- Press **REPEAT** several times until "repeat indicator" disappears.

Program repeat play

- Press **REPEAT** once during program play.
  - "REPEAT 1" appears in the display window. (One track repeat)
- Press **REPEAT** again during program play.
  - "REPEAT ALL" appears in the display window. (All program repeat)

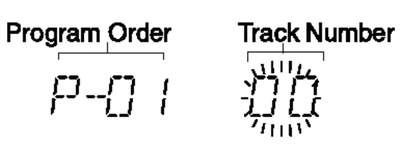
Program Play Setup

You can arrange the order of the tracks on the discs and create your own program. The program can contain up to 20 tracks.

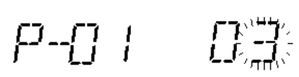
Notes

- The program playback does not work in PBC ON status of the VIDEO CD with PBC function(Version 2.0).
- This function is not available to MP3 discs.

1 **Press PROG./MEMO on the remote control in the Stop mode.**



2 **Use PREV./NEXT to select the track.**
In case of using NUMERIC (0~9) button, press "0" and "3".



3 **Press PROG./MEMO on the remote control.**

4 **Repeat steps 1~3 to select additional tracks.**

5 **Press PLAY (▶).**

To check program contents

Press **PROG./MEMO** on the remote control in Stop mode.
- A disc, track and program number will be displayed.

To clear program contents

Press **PROG./MEMO** on the remote control in stop mode. Then press **CLEAR** on the front panel or **STOP (■)** on the remote control.

To add program contents

1. Press **PROG./MEMO** on the remote control repeatedly in the program Stop mode until "Disc Number" blinks.
2. Repeat steps 2~5 as shown to the above.

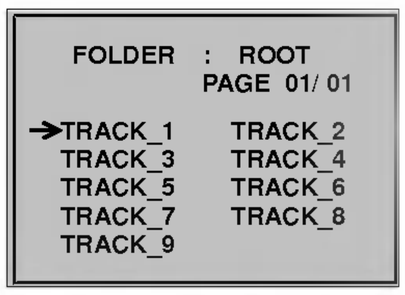
To modify program contents

1. Use **PROG./MEMO** on the remote control to display program number you want to modify.
2. Repeat steps 2~5 as shown to the above.

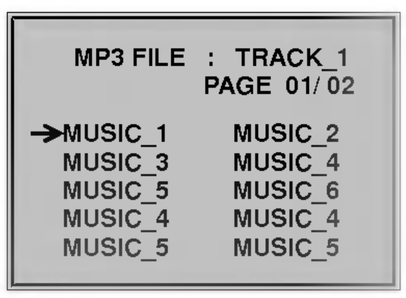
Advanced Playback

MP3 Playback

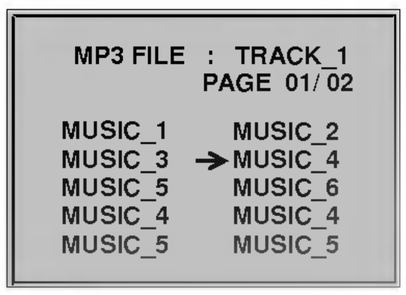
1 **Load an MP3 disc.**
The ROOT directory menu is displayed on the TV screen.



2 **Press PREV./NEXT(⏮ / ⏭) to select the directory where MP3 files that you want to play are located and then press SELECT.**

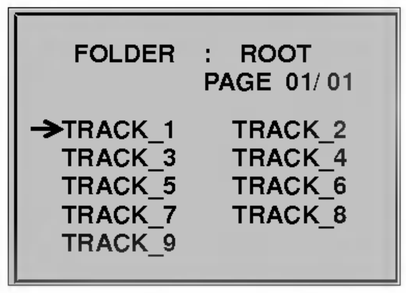


3 **Press PREV./NEXT(⏮ / ⏭) to select the desired MP3 file of the selected directory on the disc.**



4 **Press PLAY (▶) to start playback of a file.**

For your reference
- Press **PREV./NEXT(⏮ / ⏭)** to play the next file or previous file during playback.
- Press **RETURN (↩)** to move to the ROOT directory during playback.



Notes
- The directory and file name is only displayed in English.
- If you select another file by pressing **PREV./NEXT** (⏮ / ⏭) during playback, the file is played after 5 seconds automatically.

To Play an MP3 file repeatedly
- If you press **REPEAT** once during playback, the current MP3 file will play repeatedly.
  "REPEAT 1" appears in the display window.
- If you press **REPEAT** twice during playback, the all MP3 files on the disc will play repeatedly.
  "REPEAT ALL" appears in the display window.
- If you press **REPEAT** three times, the repeat play will be cancelled.

For your reference
- Press **PREV./NEXT(⏮ / ⏭)** to play the next file or previous file during playback.
- Press **PAUSE (⏸)** to enter the pause mode, press **PLAY** or **PAUSE (⏸)** again to return to normal playback.
- Press **STOP (■)** to stop the playback.

KARAOKE

Karaoke Function

You can play KARAOKE(singing along) with VCD by connecting a microphone to the unit.
You can enjoy KARAOKE with a stereo-recorded disc, even if it is a non-karaoke disc, by reducing the singer's voice.

1 **Press POWER (⏻ STANDBY/ON) to turn on the player.**

2 **Select the CD function.**

3 **Press CD OPEN/CLOSE(⏏ OPEN/CLOSE) to open the disc compartment, load a disc with the label side up.**
In case of a VIDEO CD with PBC functions, "PBC" appears in the display window. Press **PBC** to cancel it.

4 **Connect your microphone to the MIC jack.**
Turn the MIC VOLUME knob to adjust the microphone volume.

5 **Press SCORE to enter the karaoke mode.**

In case of Video CD, "KARAOKE" appears in the screen.

6 **Select the desired track number on the disc by pressing PREV./NEXT (⏮ / ⏭).**
If you press the NUMERIC buttons, the playback is started automatically.

7 **Press PLAY(▶).**
Sing along with the accompaniment.

For your reference

To play the next, press **PREV./NEXT (⏮ / ⏭)** again.

Note

Come out the Score

If the track playback is finished, the score will appear on the screen And the unit will automatically pause after playing back of each track.

To Adjust ECHO Volume

You can give an echo effect to the sound from the microphone.

- **Press ECHO repeatedly to adjust the strength of echo.**
  ECHO-1, ECHO-2 or ECHO-3 is displayed in the display window.
- **To cancel it, set the echo indication disappear in the display window.**

To Change the Key (KEY CONTROL)

You can change the key to suit your vocal range.

Press KEY CONTROL (b - KEY CON - #) buttons repeatedly to find the key that suits your vocal range.

You can adjust the key to 15 steps (7 higher steps , 7 lower steps and the original key).
- The setting appears on the screen.

Recording with Karaoke

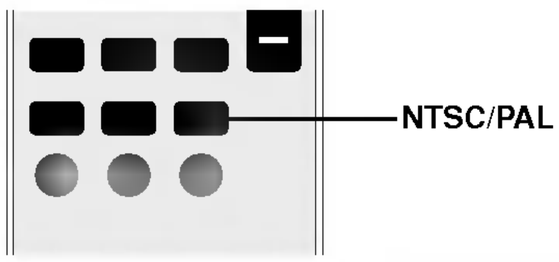
You can record during playing KARAOKE.
Refer to the "RECORDING" explanation section.

Notes

- **If howling occurs**
  - Move the microphone(s) away from the TV or the speakers.
  - Lower the volume of the TV or the mic volume.
  - Cancel ECHO function.
- **If the sound is distorted when the unit is connected a TV**
  - Cancel ECHO function.
- If sound through the microphone is extremely loud it may be distorted. In this case turn the MIC volume toward minimum and set to "ECHO OFF" by pressing **ECHO**.

System Selection (NTSC/PAL)

You can enjoy NTSC or PAL discs by using the **NTSC/PAL** button to choose the appropriate system.
• If you try to play back PAL disc with NTSC-TV. The unit will not play back the disc.
• When the system of your unit does not coincide with the system of your TV, normal color picture may not be displayed.
• When you play back NTSC disc with PAL-TV, some discs may produce black bands at the top and bottom of the screen.



Position of System Select	Connected TV	Available disc
PAL	PAL	PAL VCD disc
NTSC	NTSC	NTSC VCD disc
NTSC or PAL	MULTI system TV	NTSC/PAL disc

Disc Requirements

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

	Disc mark	Contents	Disc Size	Maximum Playback Time
Video CD	COMPACT disc DIGITAL VIDEO	Audio + Video	12 cm	74 minutes
			8 cm	20 minutes
Audio CD	COMPACT disc DIGITAL AUDIO	Audio	12 cm	74 minutes
			8 cm	20 minutes
In addition, this unit can play a CD-R or CD-RW that contains audio titles or MP3 files.				

Notes on VIDEO CD		**CAUTION**
This player conforms to Version 1.1 and Version 2.0 of VIDEO CD standards. You can enjoy two kinds of playback according to the discs type.		• 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 unuseful. 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.
Disc Type	**You can**	
VIDEO CD without PBC functions (Version. 1.1 disc)	Enjoy video playback (moving pictures) as well as music.	
VIDEO CD with PBC functions (Version 2.0 discs)	Play interactive software using menu screens displayed on the TV screen, in addition to the video playback function of Version 1.1 discs.	

Notes

- Discs should be kept clean at all times. -Stains, scratches and dust on disc's surface cause bad quality video and audio.
- Never touch disc's surface.
- Depending on the conditions of the recording equipment or the CD-R/RW disc itself, some CD-R/RW discs cannot be played on the unit.

Troubleshooting

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Possible Solution
No power.	• The power cord is disconnected.	• Plug the power cord into a wall power outlet securely.
No picture.	• The TV is not set to receive VCD signal output.	• Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen.
	• The video cable is not connected securely.	• Connect the video cables into the jacks securely.
	• The connected TV power is turned off.	• Turn on the TV.
There is no sound or only a very low-level sound is heard.	• The audio cables are not connected securely.	• Insert the audio cable into the jacks securely.
	• The power of the equipment connected with the audio cable is turned off.	• Turn on the external equipment connected with the audio cable.
	• The audio connecting cord is damaged.	• Replace it with new one.
The playback picture is poor.	• The disc is dirty.	• Clean the disc.
The unit does not start playback.	• The disc is placed upside down.	• Place the disc with the playback side down.
	• The disc is not placed within the guide.	• Place the disc on the disc tray correctly inside the guide.
	• The disc is dirty.	• Clean the disc.
Severe hum or noise is heard.	• The plugs and jacks are dirty.	• Wipe them with a cloth slightly moistened with alcohol.
	• The disc is dirty.	• Clean the disc.
	• The speakers and components are connected poorly.	• Connect the speakers and components securely.
	• The unit is located with TV nearly.	• Move your TV away from the audio components.
Recording cannot be done.	• The components are connected incorrectly.	• Connect the components correctly.
	• The source is selected incorrectly.	• Select the source with the **FUNCTION SELECT** button (TUNER/BAND, VCD/MP3/CD, TAPE, AUX on the unit or CD/VCD, BAND, AUX, TAPE on the remote control).
Radio stations cannot be tuned in.	• The antennas are connected poorly.	• Connect the antenna securely.
		• Adjust the antennas and connect an external antenna if necessary.
The remote control does not work properly.	• The signal strength of the stations is too weak (when tuning in with automatic tuning).	• Tune in the station manually.
	• The remote control is not pointed at the remote sensor on the unit.	• Point the remote control at the remote sensor on the unit.
	• The remote control is too far from the unit.	• Operate the remote control within about 23 ft (7 m).
	• There is an obstacle in the path of the remote control and the unit.	• Remove the obstacle.
	• The batteries in the remote control are exhausted.	• Replace the batteries with new ones

Specifications

[General]	Power Supply	Refer to the back panel of the unit.
	Power Consumption	80W
	Weight (Approx.)	5.2kg
	External Dimensions (W x H x D)	160 X 248 X 288mm
[VCD/CD]	Frequency response	40 - 18000 Hz
	Signal-to-Noise Ratio	70 dB (1 kHz)
	Dynamic range	70 dB (1 kHz)
	Video output	1.0 V, 75 Ω, RCA jack
[Tuner] FM	Tuning Range	87.5 - 108.0 MHz or 65 -74 MHz, 87.5 -108.0 MHz
	Intermediate Frequency	10.7 MHz
	Signal-to-Noise Ratio	60/55 dB (MONO/STEREO)
	Frequency Response	60 - 10000 Hz
[Tuner] AM	Tuning Range	522 - 1611 kHz or 530 - 1610 kHz
	Intermediate Frequency	450 kHz
	Signal-to-Noise Ratio	35 dB
	Frequency Response	100 - 1800 Hz
[Tuner] SW (option)	Tuning Range	5800 - 18000 kHz
	Intermediate Frequency	450 kHz
[Amp]	Output Power	27W + 27W
	T.H.D	0.15%
	Frequency Response	40 - 25000 Hz
	Signal-to-Noise Ratio	80 dB
[TAPE]	Tape Speed	3000 ± 3% (MTT-111. NORMAL-SPEED)
	Wow Flutter	0.25% (MTT-111, JIS-WTD)
	F.F/REW Time	120sec (C-60)
	Frequency Response	125 - 8000Hz
	Signal to Noise Ratio	43dB (P/B)/ 43dB (R/P)
	Channel Separation	50dB (P/B)/45dB (R/P)
	Erase Ratio	55dB (MTT-5511)
[Speakers]	Type	2 Way 2 Speaker
	Impedance	6 Ω
	Frequency Response	70 - 20000 Hz ± 20%
	Sound Pressure Level	87 dB/W (1m) ± 2dB
	Rated Input Power	30
	Max. Input Power	60 W
	Net Dimensions (W x H x D)	160 X 248 X 228mm
	Net Weight (Approx.)	2.5kg

※ Designs and specifications are subject to change without notice.

P/NO :3834RH0053L