LG

MICRO COMPO System

OWNER'S MANUAL

MODEL : FFH-185MVA
FE-185VE

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.

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

Precautions

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 enclo-
sure 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 mainte-
nance(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.**

Warning:
Do not install this equipment in a confined space such
a book case or similar unit.

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

Laser component in this product is capable of emit-
ting 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

Notes on Discs

This section shows you how to handle, clean, and store discs.

On Handling Discs

❍ Do not touch the playback side of the disc.
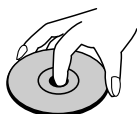
❍ Do not attach paper or tape to discs.

On Storing Discs

❍ Do not store discs in a place subject to direct sunlight or near heat sources.
❍ Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
❍ Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause may damage the discs.

On Cleaning Discs

❍ Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outward with a soft cloth. Always keep the disc clean.
❍ If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
❍ Do not use any type of solvents such as thinner, benzine, commercially available cleaners or anti-static spray for vinyl LPs. They may damage the disc.
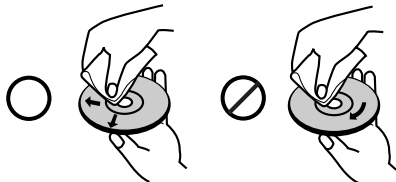
About This Owner's Manual

❍ This owner's manual explains the basic instructions of this unit.
❍ Some VIDEO CD discs have functions that may not be explained in this owner's manual. Therefore, some instructions may differ from this owner's manual, and there may be extra instructions. In this case, follow the instructions displayed on the TV screen or package.
❍ " ✋ " may appear on the TV screen during operation. This icon means the function explained in this owner's manual is not available on that specific VIDEO CD discs.

Identification of Controls (Cont'd)

Front Panel
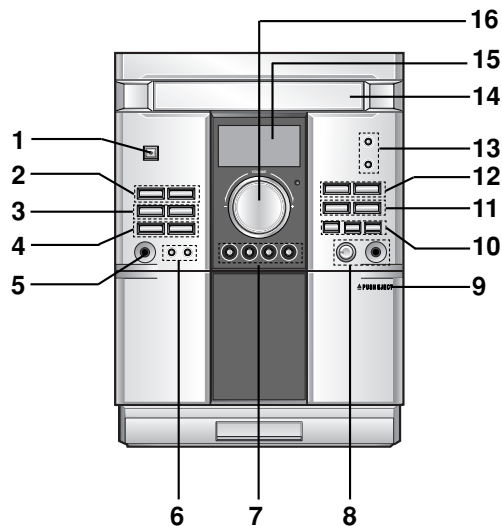
1. POWER (STANDBY/ON) button
2. • PLAY MODE button
   • PROG./MEMO. button
3. • CD SYNC. button
   • MODE/RIF/RETURN button
4. MENU/SCAN (-/+) buttons
5. HEADPHONE SOCKET (⌒): ∅3.5mm
6. • RECORD/ RECORD PAUSE (● REC /II) button
   • PBC button
7. FUNCTION SELECT buttons
   (TUNER/BAND, CD, TAPE, AUX)
8. • MIC VOLUME KNOB (MIC VOL.)
   • MIC JACK (MIC):∅3.5mm
9. ⏏ PUSH EJECT position

10. • CD PAUSE (CDII)/COUNTER/SET button
    • CLOCK button
    • ⊙ TIMER button
11. • TUNING (-/+) buttons
    • CD SKIP/ SEARCH (I◄◄ / ►►I) buttons
    • TAPE REWIND/FAST FORWARD (I◄◄ / ►►I)
      buttons
12. • PRESET (-/+) buttons
    • BACKWARD PLAY (◄) button
    • FORWARD PLAY (►) button
    • SELECT button
13. • ⏏ OPEN/CLOSE button
    • ■ STOP/CLEAR button
14. CD DOOR
15. DISPLAY
16. VOLUME (-/+) knob

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
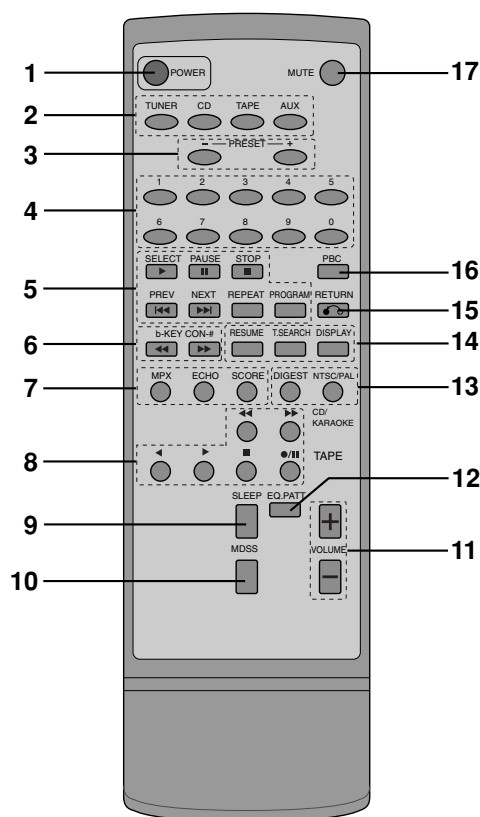
1. POWER button
2. Function select buttons
     (TUNER, CD, TAPE, AUX)
3. PRESET (-/+) buttons
4. NUMERIC buttons (0-9)
5. • PLAY(▶)/SELECT button
    • PAUSE(❚❚) button
    • CD STOP(■) button
    • PREV/NEXT(❙◀◀/▶▶❙) buttons
    • REPEAT button
    • PROGRAM button
6. KEY CONTROL buttons (b - KEY CON - #)
    • SCAN/SEARCH, REWIND/FAST FORWARD
     (◀◀/▶▶) buttons
7. • MPX button
    • ECHO button
    • SCORE button
8. TAPE FUNCTION buttons
    • TAPE REWIND/FAST FORWARD (◀◀/▶▶)
     buttons
    • BACKWARD PLAY(◀) button
    • FORWARD PLAY(▶) button
    • TAPE STOP(■) button
    • RECORD/RECORD PAUSE(● /❚❚) button
9. SLEEP button
10. MDSS button
11. VOLUME (-/+) buttons
12. EQ PATTERN (EQ. PATT) button
13. • DIGEST button
    • NTSC/PAL button
14. • RESUME button
    • T.(Time) SEARCH button
    • DISPLAY button
15. RETURN(👈❍) button
16. PBC button
17. MUTE button

Identification of Controls (cont'd)
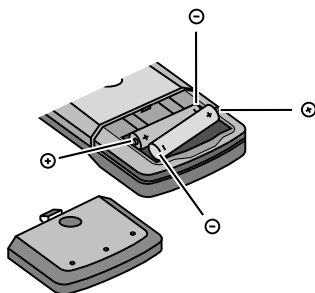
Preparing the Remote Control

Insert the batteries into the remote control so you can use it to operate the unit.

1 **Open the battery cover.**

2 **Insert batteries (AAA size).**

● Make sure to match the + and - on the batteries to the marks inside the battery compartment.

3 **Close the cover.**

Notes on batteries

❍ Improper use of batteries may cause battery leakage and corrosion.
❍ To operate the remote control correctly, follow the instructions.
❍ Do not insert the batteries into the remote control in the wrong direction.
❍ Do not charge, heat, open, or short-circuit the batteries. Do not throw the batteries into fire.
❍ Do not leave dead or exhausted batteries in the remote control.
❍ Do not use different types of batteries together, or mix old and new batteries.
❍ If you do not use the remote control for a long period of time, remove the batteries to avoid possible damage from battery corrosion.
❍ If the remote control does not function correctly or if the operating range becomes reduced, replace all batteries with new ones.
❍ If battery leakage occurs, wipe the battery liquid from the battery compartment, then insert new batteries.
❍ The batteries should last about one year with normal use.

Operating with the Remote Control

This section shows you how to use the remote control.

Point the remote control at the remote sensor and press the buttons.
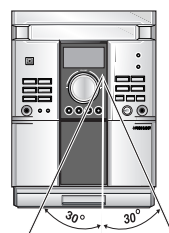
23 ft (about 7m)

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
* Do not expose the remote sensor of the receiver to a strong light source such as direct sunlight or illumination. If you do so, you may not be able to operate the unit with the remote control.

Notes on the remote control

❍ Direct the remote control at the remote sensor of the unit.
❍ Do not drop the remote control.
❍ Do not leave the remote control near an extremely hot or humid place.
❍ Do not spill water or put anything wet on the remote control.
❍ Do not open the remote control.

Identification of Controls

Rear Panel
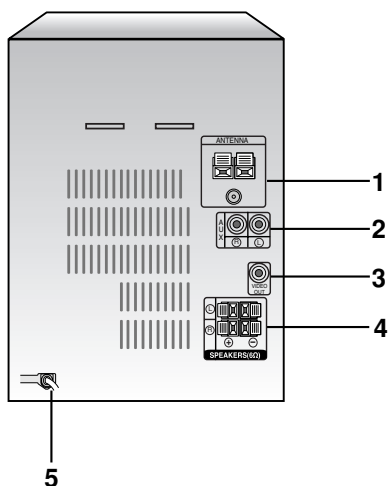
1. ANTENNA TERMINAL
2. AUXILIARY INPUT JACK
3. VIDEO OUT JACK

4. SPEAKER TERMINAL
5. POWER CORD

Display Window
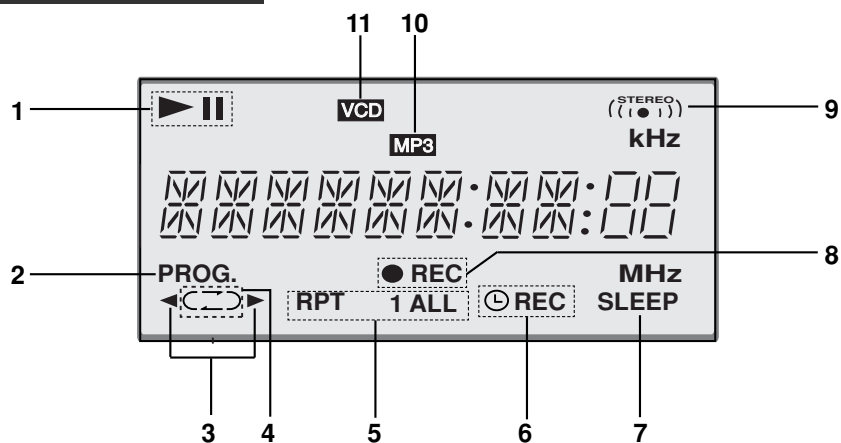
1. CD PLAY/PAUSE indicator
2. PROGRAM indicator
3. TAPE PLAY DIRECTION indicator
4. PLAY MODE indicator
5. CD REPEAT indicator
6. TIMER indicator

7. SLEEP indicator
8. RECORD/RECORD PAUSE indicator
9. FM STEREO indicator
10. MP3 indicator
11. VCD indicator

Antenna(Aerial) Connections

Connect the supplied FM/AM antennas for listening to the radio.
• Connect the AM loop antenna to the AM antenna connector.
• Connect the FM wire antenna to the FM antenna coaxial connector.

AM loop antenna (supplied)   **FM wire antenna (supplied)**
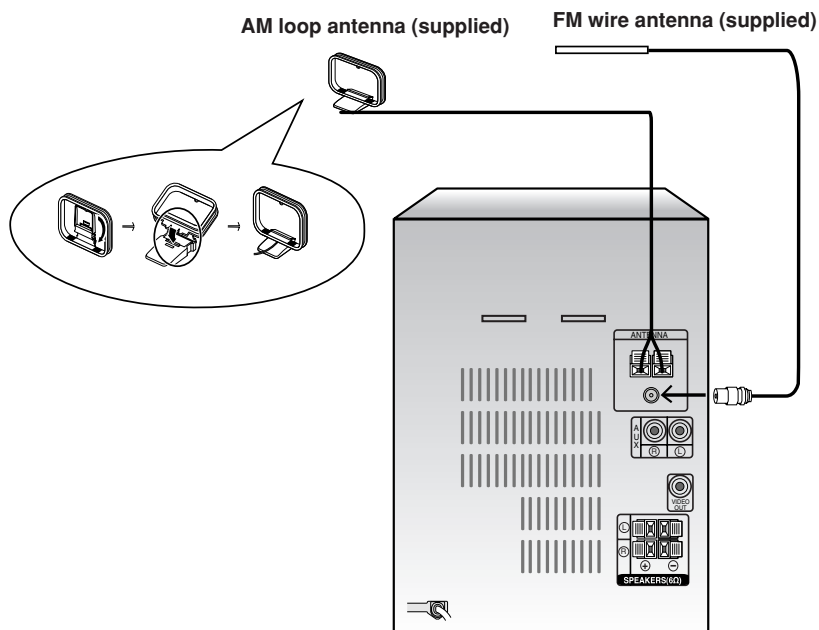
Notes

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

Speaker System Connection

Connect to speaker connector the supplied speaker cords by matching the colors of the terminals and those of the cords. To obtain the best possible surround sound, adjust the speaker parameters (distance, level, etc.).

Red

Black

Left Speaker

Red

Right Speaker
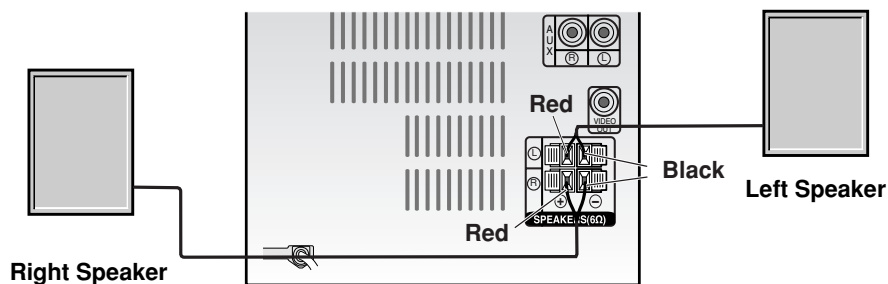
Notes

❍ 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 base.
❍ If you use front speakers with low maximum input rating, adjust the volume carefully to avoid excessive output on the speakers.
❍ Do not disassemble the front cover of supplied speaker.

Connecting to a TV/Monitor

TV or Monitor →

← To TV Video In

VIDEO   VIDEO
→
AUDIO   AUDIO
→
OUT   IN

To Video out →
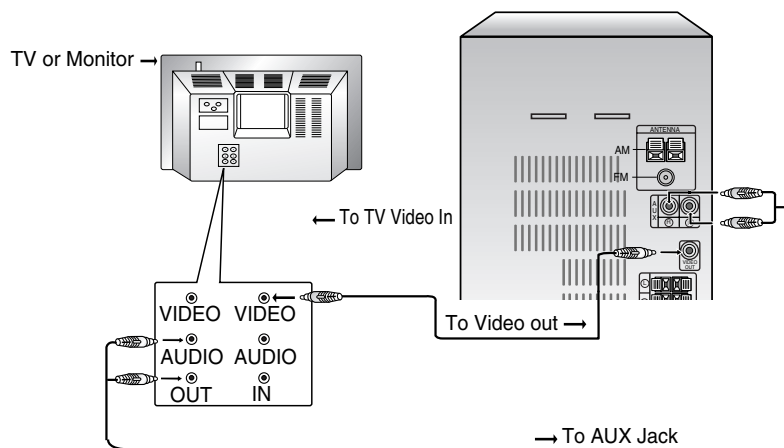
→ To AUX Jack

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.

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 recorders or tape recorders.)

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

You must set the time for the Sleep and Timer function.

1 **Press CLOCK.** (If the clock is already set, press and hold **CLOCK** for more than 2 seconds.)
 - The hours begin to flash.

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

AM 12:00 (12HR) or   *0:00* (24HR)

PRESET (-/+)

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

CLOCK

4 **Use PRESET (-/+) to set the correct hours.**

SET

5 **Press SET.**

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

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

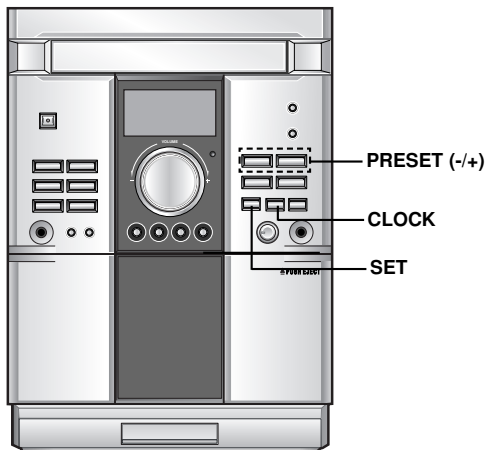**8** **Press CLOCK at any time to display the time for about 5 seconds.**

Sleep Function

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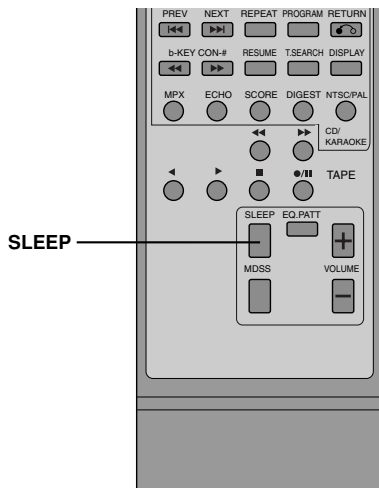
SLEEP

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

Timer Function

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.

PRESET (-/+)

⊙ TIMER

CLOCK

SET

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

2 **Press "⊙ TIMER" to enter the timer setting mode.**
(If you want to correct the previous memorized TIMER, press and hold the "⊙ **TIMER**" button more than 2 seconds.)
The previous memorized timer on time and the "⊙ " appears in the display. Each function : TUNER-CD-TAPE flashes in the display window in turn.

3 **Press SET when the desired function is flashing.**
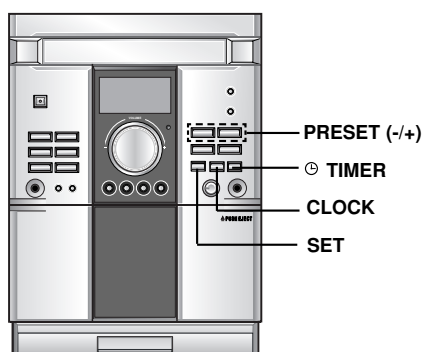
4 **1. a. When you select the TUNER function, 'PLAY' and 'REC' indicator flash in the display window alternately for about 3 seconds.**
'PLAY' indicator : TUNER play only
'REC' indicator : TUNER play and recording
b. Select the previous memorized preset number with PRESET (-/+) buttons on the front panel and press SET.
- 'ON TIME' indicator appears for about 0.5 seconds in the display window and then disappears.
2. When you select the CD or TAPE function,
- 'ON TIME' indicator appears for about 0.5 seconds in the display window and then disappears.

5 **Set the hour to switch on by pressing PRESET (-/+) button.**

6 **Press SET to confirm the hour to switch on.**

7 **Set the minute to switch on by pressing PRESET (-/+) button.**

8 **Press SET to confirm the minute to switch on.**
'OFF TIME' indicator appears for about 0.5 seconds in the display window and then disappears .

9 **Set the hour to switch off by pressing PRESET (-/+) button.**

10 **Press SET to confirm the hour to switch off.**

11 **Set the minute to switch off by pressing PRE-SET (-/+) button.**

12 **Press SET.**

13 **Adjust the volume level by pressing PRESET (-/+) button.**

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

15 **Switch the system off.**
The selected function is automatically switched on and off at the time set.

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 so that "⊙" appears in the display window.
To cancel the TIMER, press the ⊙ **TIMER** button so that "⊙" disappears in the display window.

📝 **Note**
The unit can also set the clock function in STAND BY state.

Audio Adjustment

VOLUME (-/+) knob

HEADPHONE jack

MUTE

EQ. PATT

MDSS
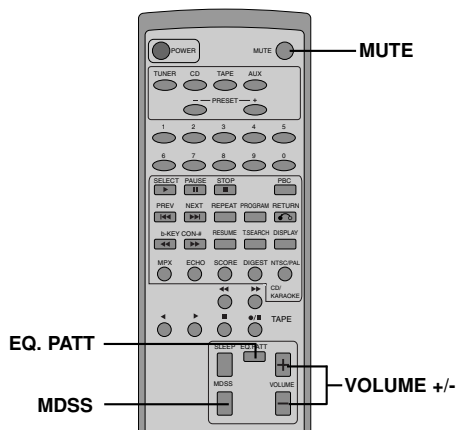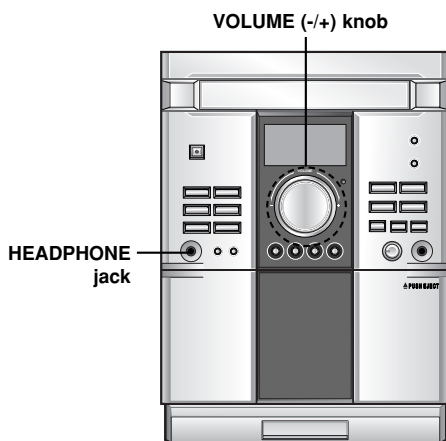
VOLUME +/-

Volume Adjustment

• Turn **VOLUME (-/+) knob** clockwise to increase the sound level, or counterclockwise to decrease it on the front panel.
• Press **VOLUME (+)** to increase the sound level, or press the **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 by using the **EQ.PATT** button.
  ROCK   : more bass, more treble
  POP   : less bass, less treble
  CLASSIC : for orchestral music
  FLAT   : linear frequency response
• **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 mute your unit.
You can mute your unit in order, for example, to answer the telephone, "MUTE" indicator flashes in the display window.

MDSS (Multi Dynamic Sound System)

Press MDSS to reinforce treble, bass and surround effect on the remote control.
The "MDSS ON" indicator lights up.
To cancel it press MDSS again.
The "MDSS OFF" indicator lights up.

Auxiliary Function

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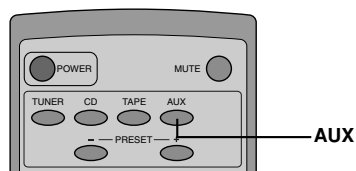
1 Connect an auxiliary device i.e. TV or VCR, via the rear mounted AUX phone jacks.

2 Press **AUX**.

Note

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

Presetting the radio stations

You can preset 30 stations for FM and AM. Before tuning, make sure that you have turned down the volume to the minimum.

TUNER

PRESET-/+

PROG./MEMO.

PRESET (-/+)

■STOP/CLEAR
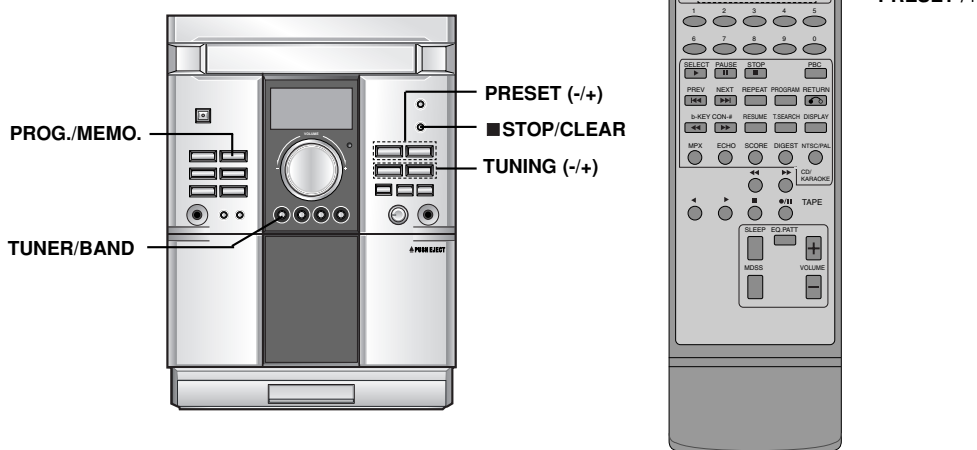
TUNING (-/+)

TUNER/BAND

1 **Press TUNER/BAND (or TUNER on the remote control) until the FM or AM appears in the display window.**

2 **And then every time you press TUNER/BAND (or TUNER on the remote control), FM and AM changes alternately.**

3 **Press TUNING (-/+) until the frequency indication starts to change.**
Scanning stops when the unit tunes in a station.

4 **Press PROG./MEMO.**
A preset number will flash in the display window.

5 **Press PRESET (-/+) on the front panel or remote control 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 the memorized stations
Press and hold **PROG./MEMO.** on the front panel for about two seconds, "CLEAR" appears in the display window and then press **CLEAR**, 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 presets
Press and hold **PRESET (-/+)** on the front panel or remote control until the desired preset number appears or press it repeatedly.
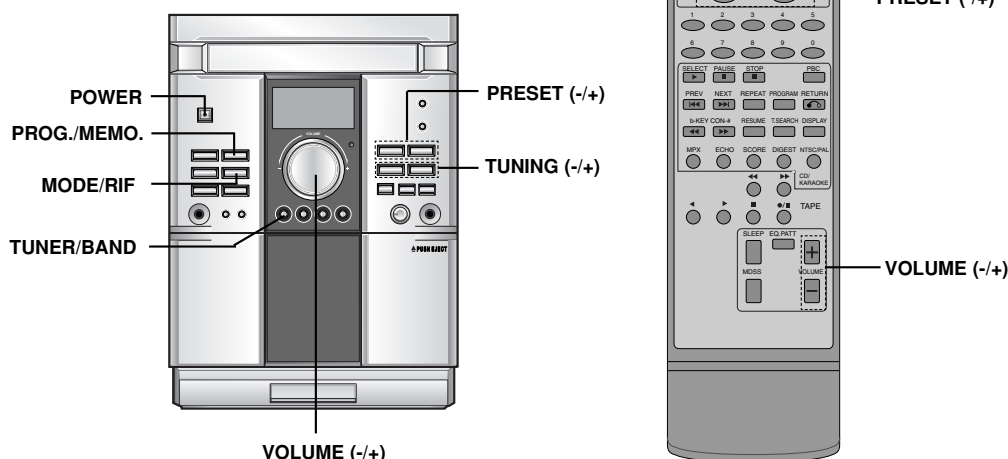
Notes
Tuning in automatically
Press **TUNING (-/+)** for more than 0.5 seconds.
- Scanning stops when the unit tunes in a station.

Tuning in manually
Press **TUNING (-/+)** briefly and repeatedly.

Listening to the radio

Preset radio stations in the units memory first (see "Presetting radio stations" on the previous page).

POWER

PROG./MEMO.

MODE/RIF

TUNER/BAND

VOLUME (-/+)

PRESET (-/+)

TUNING (-/+)

TUNER

PRESET (-/+)

VOLUME (-/+)

1 **Press TUNER/BAND (or TUNER on the remote control) until AM or FM appears in the display window.**
The last received station is tuned in.

2 **Press PRESET (-/+) on the front panel or remote control to select the preset station you want.**
Each time you press the button, the unit tunes in one preset station at a time.

3 **Adjust the volume by rotating VOLUME (-/+) knob on the front panel or pressing VOLUME (-/+) on the remote control repeatedly.**

To turn off the radio
Press **POWER** to turn the unit off or select another function mode (CD, TAPE or AUX).

To listen to non-preset radio stations
• For manual tuning, see "Tuning in manually" on the previous page.
• For automatic tuning, see "Tuning in automatically" on the previous page.

For your reference
• **If an FM program is noisy**
Press **MODE/RIF** so that "STEREO" 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 the mono reception if stereo reception is distorted by noise.
❍ When recording the AM broadcast, beat noises occur. If it does, press **MODE/RIF** once.

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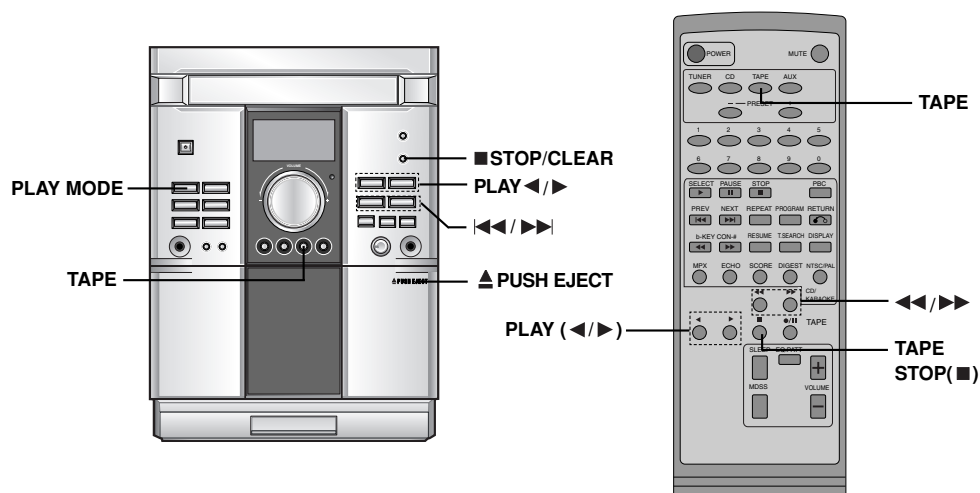
1. **Press TAPE on the front panel or remote control to select TAPE function.**
   ("NO TAPE" appears in the display window.)

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

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

AUTO REVERSE DECK : OPTIONAL
You can select direction of the cassette you want by pressing **PLAY MODE** on the front panel.

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

To Play Fast Rewind or Fast Forward
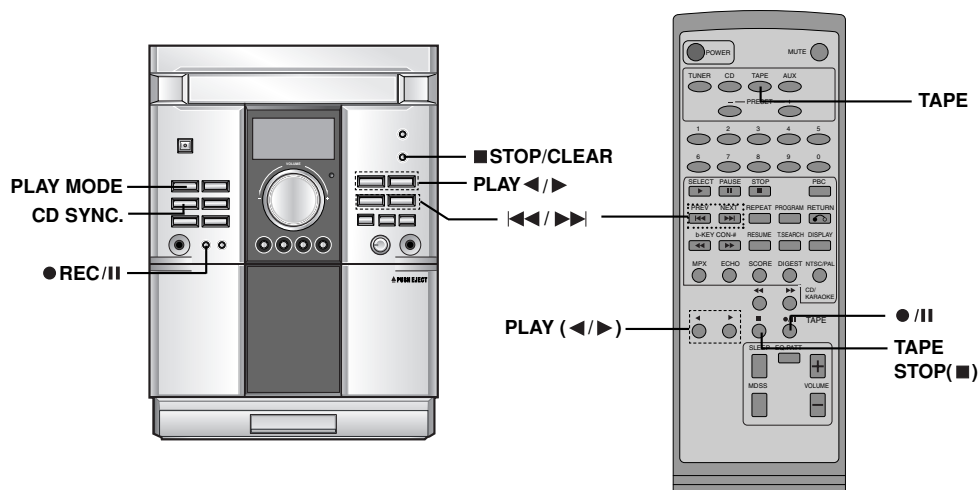
After press ◀◀ / ▶▶ on the front panel or ◀◀ / ▶▶ on the remote control during playback, press PLAY (▶ or ◀ : OPTIONAL) in the point you want.

Tape Counter Reset

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

Recording

Wind up the tape to the point recording starts.
Use only normal tapes.

Preparation

1 **Press CD or TUNER.**

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

To set the recording direction (OPTIONAL)
Press **PLAY MODE** as follows.

Pressing	Display	Function
Once	⇄	Recording front side.
Twice	⇄)	Recording front and reverse side.
Third	(⇄)	

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.**
The recording begins.

To pause recording

To pause the recording, press ●REC/II or ● /II again.
"●REC" flashes in display window.

To stop recording

Press **TAPE STOP(■)**.

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.
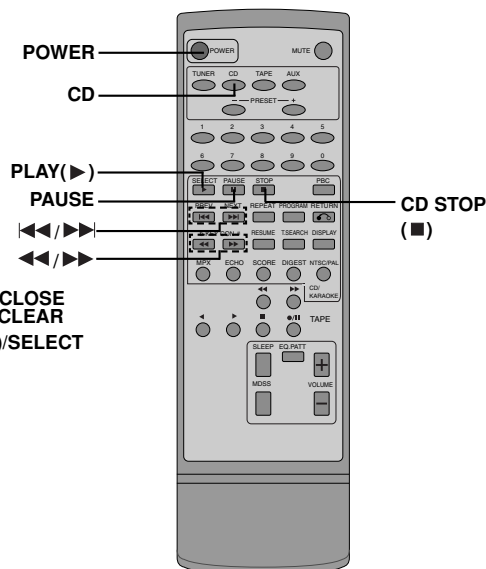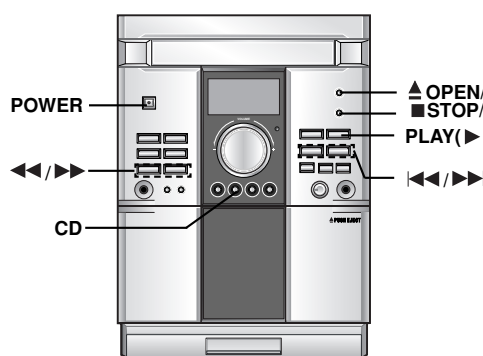❍ This function is not available to MP3 file discs.

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.

1 Press POWER to turn on the unit.

2 Press the CD button to enter the CD mode.
If no disc is entered in the disc drawer, the "NO DISC" indicator is displayed.

3 Press ▲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 ▲OPEN/CLOSE to close the disc compartment.

5 Press PLAY (▶).
The unit plays consecutively in the order of track number.

To Stop Play

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

To Pause Play

Press PAUSE(II) during playback. Press PLAY (▶) or PAUSE(II) again it to resume play.

To Skipping the track

- **Press NEXT(▶▶|) on the front panel or CD SKIP/ SEARCH (▶▶|) on the remote control to go to the next scene or track.**
- **When PREV(|◀◀) on the front panel or CD SKIP/ SEARCH (|◀◀) on the remote control 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 Play Fast Rewind or Fast Forward

Press ◀◀/ ▶▶ repeatedly during playback.
(When a desired scene is displayed, press **PLAY (▶).**)
(TV screen)
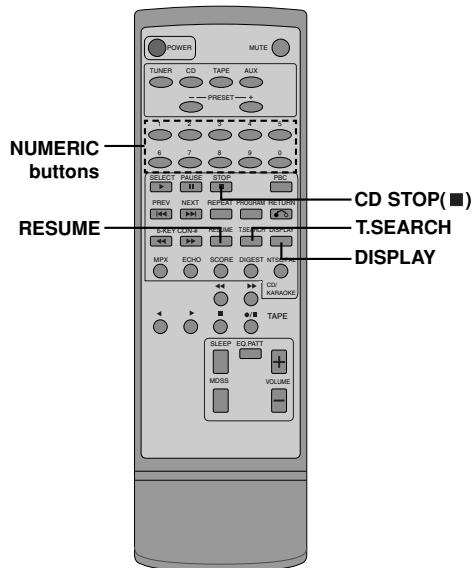
| FR X 1 | | FF X 1 |

- 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 in case of VIDEO CD or 1 steps in case of AUDIO CD.)
- The speed will be retained even after the button is released.

Note

❍ This function is not available to MP3 file discs.

RESUME

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.

NUMERIC buttons

RESUME

CD STOP(■)

T.SEARCH

DISPLAY

1 **Press CD 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

This function lets you use elapses 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.**

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 _ _:_ _ ⸺ on the TV screen

TIME SEARCH 22:15

For your reference
❍ This function can not be used during playing Digest Play , MP3 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.

Note

❍ This function is not available to MP3 file discs and PBC mode.

Multiplex Function

NUMERIC buttons

MPX

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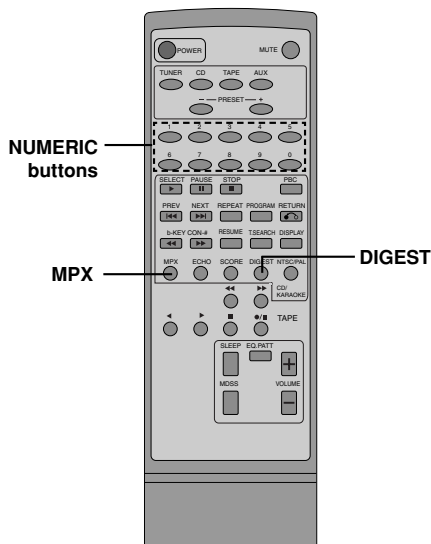
You can select the sound from the right or left channel and listen to the sound of the selected channel through both the right and left speakers. In this case, the sound loses the stereo effect.

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.
❍ The MULTIPLEX function works not for TUNER, TAPE and AUX functions.

Digest Play (Cont'd)

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

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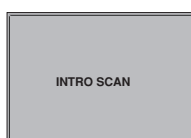
Press DIGEST during stopping.
The following menu appears on the TV screen.

```
1 . INTRO      2 . DISC
3 . TRACK      4 . EXIT

    DIGEST  MENU
```
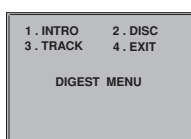
Intro Scan Play

Press NUMERIC button 1.
• This function only plays 10 seconds the beginnings of each track or scene on the disc.

```
        INTRO SCAN
```

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

Disc Scan Play

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.

```
Current disc

  1     2     3

  8     9     4

  7     6     5
```
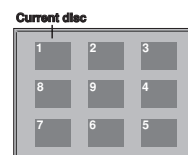
To view still pictures of the tracks of the tracks numbered over 9
Press NEXT(▶▶│).
• The TV screen shows still pictures of tracks 10 to 18.
• To go back to the previous screen, press PREV(│◀◀)

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

To cancel Disc Scan play
Press **CD STOP(■)**.

Digest play

Track Scan Play

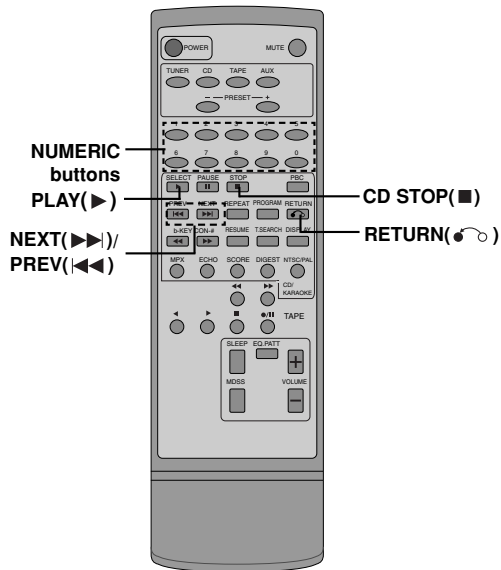You can locate the point you want by observing first picture of 9EA of each section at one time on the TV screen. This might be useful when you play a disc which which is divided into a few tracks, such as a movie.

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.

Current track

1	2	3
8	9	4
7	6	5
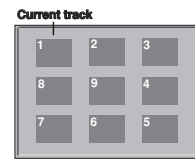
For your reference
To view sections of another track, press **NEXT(▶▶|)** such as Disc digest play.

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

To cancel Disc Scan play
Press **CD STOP(■)**.

NUMERIC buttons
PLAY(▶)
NEXT(▶▶|)/
PREV(|◀◀)

CD STOP(■)
RETURN( )

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.

Preparation
Insert VIDEO CD with PBC function (Version 2.0 discs) into the disc tray.
"PBC" appears in the display window.

1 **After press PLAY(▶) to playing in stop mode.**
The menu screen appears on the TV screen.

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 MENU (-)/(+) on the front panel, and then press the PLAY(▶) or SELECT button.)

Example

| 1 |
| 2 |
| 3 |
| 4 |
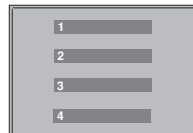
To Stop play
Press **CD STOP(■)** during playback.

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( )**.

Repeat Play

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

NUMERIC
buttons
PLAY(▶)
REPEAT

PROGRAM

To play one track repeatedly
Press **REPEAT** once during playback.
- "REPEAT 1" appears in the display window.
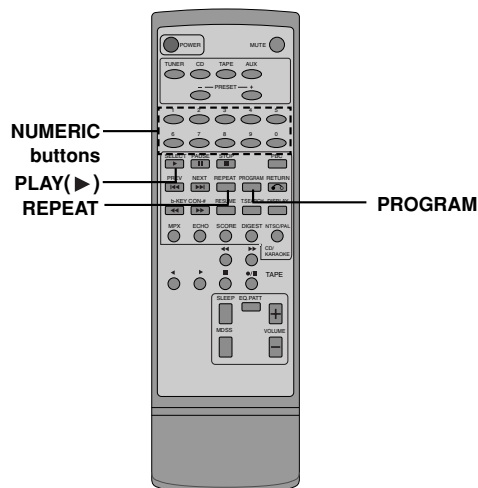
To play all tracks repeatedly
Press **REPEAT** once more during playback.
- "REPEAT ALL" appears in the display window.

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

You can arrange the order of the tracks on the discs and create your own program. The program can contain up to 20 tracks.
NOTE: The program play does not work in PBC ON status of the VIDEO CD with PBC function(Version 2.0).

1 **Press PROG./MEMO. (or PROGRAM on the remote control) on the stop mode.**

Program Order   Track Number

P-01 00

2 **Press PREV/NEXT(|◀◀ /▶▶|) to select the track you want.**
In case of using NUMERIC(0~9) button, press "0" and "3".

P-01 03
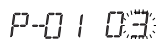
3 **Press PROG./MEMO. (or PROGRAM on the remote control).**

4 **Repeat steps 1~4.**

5 **Press PLAY(▶).**

To check program contents
Press **PROG./MEMO.** (or **PROGRAM** on the remote control) on the stop mode.
- A track and program number will be displayed.

To clear program contents
Press **PROG./MEMO.** (or **PROGRAM** on the remote control) on the stop mode. And then press **CLEAR** on the front panel or **CD STOP(■)** on the remote control.

To add program contents
1. Press **PROG./MEMO.** (or **PROGRAM** on the remote control) repeatedly on the program stop mode until "Track Number" blinks.

2. Repeat 1~3 on the left side.

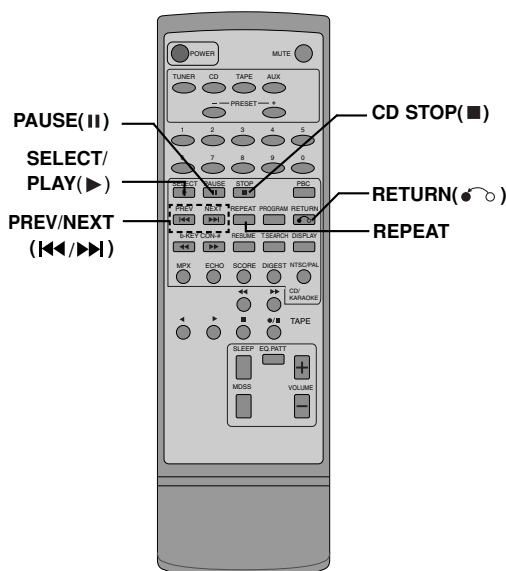### To modify program contents
1. Press the **PROG./MEMO.** (or **PROGRAM** on the remote control) to display program number you want to modify.

2. Repeat 2~3 on the left side.

Note
❍ This function is not available to MP3 file discs.

Playback with MP3

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

```
FOLDER    :    ROOT
                   PAGE  01/ 01

→TRACK_1          TRACK_2
   TRACK_3          TRACK_4
   TRACK_5          TRACK_6
   TRACK_7          TRACK_8
   TRACK_9
```

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

```
MP3 FILE  :  TRACK_1
                  PAGE  01/ 02

→MUSIC_1          MUSIC_2
   MUSIC_3          MUSIC_4
   MUSIC_5          MUSIC_6
   MUSIC_4          MUSIC_4
   MUSIC_5          MUSIC_5
```

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

```
MP3 FILE  :  TRACK_1
                  PAGE  01/ 02

   MUSIC_1          MUSIC_2
   MUSIC_3     →MUSIC_4
   MUSIC_5          MUSIC_6
   MUSIC_4          MUSIC_4
   MUSIC_5          MUSIC_5
```

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.

```
FOLDER    :    ROOT
                   PAGE  01/ 01

→TRACK_1          TRACK_2
   TRACK_3          TRACK_4
   TRACK_5          TRACK_6
   TRACK_7          TRACK_8
   TRACK_9
```

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 **CD STOP(■)** to stop the playback.
• Display Function is only restricted in single elapsed time' on MP3 file discs.

PAUSE(❙❙)
SELECT/ PLAY(▶)
PREV/NEXT (|◀◀/▶▶|)
CD STOP(■)
RETURN(↩)
REPEAT

Karaoke

You can play KARAOKE(singing along) with CD 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.

POWER

KEY CONTROL

ECHO

PBC

SCORE
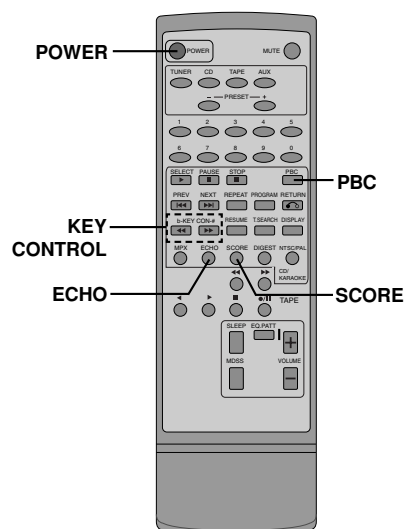
1 **Press POWER to turn on the player.**

2 **Select the CD function.**

3 **Press ⏏ OPEN/CLOSE to open the disc compartment, load disc(s) 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 (MIC VOL.)** to adjust the microphone volume.

5 **Press SCORE to enter the karaoke mode.**
"KARAOKE" appears in the display window.

6 **Select the desired track number on the disc by pressing PREV/NEXT (|◄◄ / ►►|).**
If you press the NUMERIC buttons, starts playing automatically.

7 **Press PLAY(►) to start play.**
Sing along with the accompaniment.

For your reference
To play next, press **PREV/NEXT(|◄◄ / ►►|)** again.

Notes

Comes 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 microphones.
• **Press ECHO repeatedly to adjust the strength of echo.**
ECHO 1, ECHO 2 , ECHO 3 or ECHO OFF is displayed in the display window.
• **To cancel it, press ECHO several times until "ECHO OFF" appears in the display window.**

To Change the Key (KEY CONTROL)

You can change the key to suit your vocal range.
Press KEY CONTROL repeatedly to find the key that suits your vocal range.

You can adjust the key to 15 steps (7step higher, 7steps lower 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 Select Function (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.
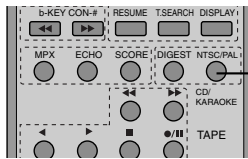
Position of System Select	Connected TV	Available disc
PAL	PAL	PAL VCD disc
NTSC	NTSC	NTSC VCD disc
NTSC or PAL	MULTI system TV	NTSC/PAL disc

Disc Requirements

Playable Discs

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	Maxmum 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.
Disc Type	**You can**	• 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.
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.	• A mosaic with faint checker pattern can appear on the pictures with many movements and detailed motion, however this is not a defect.

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.

Before Calling Service Personnel

Symptoms and Correction

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

Symptom	Cause	Correction
No power.	• The power cord is disconnected.	• Plug the power cord into the wall 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 cable 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.	• Connect the audio cable into the jacks securely.
	• The power of the equipment connected with the audio cable is turned off.	• Turn on the 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 (CD, AUX or TUNER).
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 of the unit.	• Point the remote control at the remote sensor of 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

SECTION	MODEL	FFH-185MVA
[General]	Power supply	Refer to the back panel of the unit.
	Power consumption	50W
	Mass	4.76 kg
	External dimensions (W x H x D)	180 x 248 x 241 mm
[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
	Intermediate Frequency	10.7 MHz
	Signal to Noise Ratio	61/58 dB
	Frequency Response	60 - 12500 Hz
AM (MW)	Tuning Range	522 - 1611 kHz or 530 - 1610 kHz
	Intermediate Frequency	450 kHz
	Signal to Noise Ratio	35 dB
	Frequency Response	100 - 2000 Hz
[Amp]	Output Power	20W+20W
	T.H.D	0.4%
	Frequency Response	40 - 30000 Hz
	Signal-to-noise ratio	80 dB
[TAPE]	Tape Speed	4.75cm/sec
	Wow Flutter	0.25% (MTT -111, JIS-WTD)
	F.F/REW Time	120sec (C-60)
	Frequency Response	250 - 8000Hz
	Signal to Noise Ratio	43dB
	Channel Separation	50dB(P/B)/45dB(R/P)
	Erase Ratio	55dB (MTT-5511)
[Speakers]	MODEL	**FE-185VE**
	Type	BASS REFLEX 2 WAY 2 SPEAKER SYSTEM
	Impedance	6 Ω
	Frequency Response	75 - 20000 Hz
	Sound Pressure Level	86 dB/W (1m)
	Rated Input Power	20 W
	Max. Input Power	40 W
	Net Dimensions (W x H x D)	160 x 248 x 175 mm
	Net Weight	2.2 kg

✳ **Designs and specifications are subject to change without notice.**

LG Electronics Inc.