



## **MINI HI-FI SYSTEM**

# **OWNER'S MANUAL**



**MODEL : LM-W5040A/D/X  
LM-W3140A/D/X  
LM-W4040A/D/X  
LM-W2340A/D/X**

**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

	<b>CAUTION</b>	
RISK OF ELECTRIC SHOCK DO NOT OPEN		
<p>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.</p>		

### Explanation Graphical Symbols:



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



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

### WARNING

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

To avoid electrical shock, do not open the cabinet, Refer servicing to qualified personnel only.

**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 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.

<b>CLASS 1</b>	<b>LASER PRODUCT</b>
<b>KLASSE 1</b>	<b>LASER PRODUKT</b>
<b>LUOKAN 1</b>	<b>LASER LAITE</b>
<b>KLASS 1</b>	<b>LASER APPARAT</b>
<b>CLASSE 1</b>	<b>PRODUIT LASER</b>

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
<b>Before Use</b> .....	<b>4</b>
Safety Precautions .....	4
Notes on Discs .....	4
Notes on Remote Control .....	4
Note on Tape .....	4
Setting the Voltage (OPTIONAL) .....	4
<b>Front Panel/ Rear Panel</b> .....	<b>5</b>
<b>Remote Control</b> .....	<b>6</b>
<b>Display Window</b> .....	<b>6</b>

## BEFORE OPERATION

<b>Connections</b> .....	<b>7</b>
Speaker System Connection .....	7
Antenna (Aerial) Connections .....	7
Connecting to a TV/Monitor, DVD, GAME or PC .....	8
<b>USB Function (LM-W5040A/D/X, LM-W3140A/D/X only)</b> .....	<b>8</b>
<b>Setting the CLOCK</b> .....	<b>9</b>
<b>Sleep Function</b> .....	<b>9</b>
<b>Using Microphone (OPTIONAL)</b> .....	<b>9</b>
<b>Headphone Jack</b> .....	<b>9</b>
<b>Timer Function</b> .....	<b>10</b>
<b>Auxiliary Function</b> .....	<b>10</b>
<b>Audio Adjustment</b> .....	<b>11</b>
Volume Adjustment .....	11
Sound Quality Adjustment .....	11
MUTE .....	11
OAO (Orientation Acoustic Optimizer) ON/OFF .....	11
SURROUND .....	11
DISPLAY MODE .....	11
XDSS (Extreme Dynamic Sound System) .....	11
DEMO .....	11
DIMMER .....	11
Selecting the sound system (LM-W5040A/D/X, LM-W4040A/D/X only) .....	11
Using the subwoofer (LM-W5040A/D/X, LM-W4040A/D/X only) .....	11
<b>RDS Function - OPTIONAL</b> .....	<b>12</b>
About RDS .....	12
Programme Search (PTY) .....	12




## OPERATION

<b>Presetting the radio stations</b> .....	<b>13</b>
<b>Listening to the radio</b> .....	<b>13</b>
<b>Tape Playback</b> .....	<b>14</b>
Basic Playback .....	14
To Stop Play .....	14
Tape Counter Reset .....	14
To Play Fast Rewind or Fast Forward .....	14
Dubbing .....	14
<b>Recording</b> .....	<b>15</b>
Basic Setting .....	15
Recording from Radio, CD or Auxiliary source ..	15
CD to Tape Synchronized Recording .....	15
<b>CD Playback</b> .....	<b>16-17</b>
Basic Playback .....	16
To Pause Play .....	16
To Stop Play .....	16
To Skipping the Track .....	16
To Play Fast Rewind or Fast Forward .....	16
To Go to the next discs .....	16
To Select a disc directly .....	16
To check MP3 file information .....	16
To Play tracks in random order .....	16
To Replace discs during Playback .....	17
To Repeat Play .....	17
To Program Play .....	17

## Reference

<b>Troubleshooting</b> .....	<b>18</b>
<b>Additional Information</b> .....	<b>18</b>
<b>Specifications</b> .....	<b>19</b>

### About the symbols for instructions

-  Indicates hazards likely to cause harm to the unit itself or other material damage.
-  Indicates special operating features of this unit.
-  Indicates tips and hints for making the task easier.

## Before Use

### 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

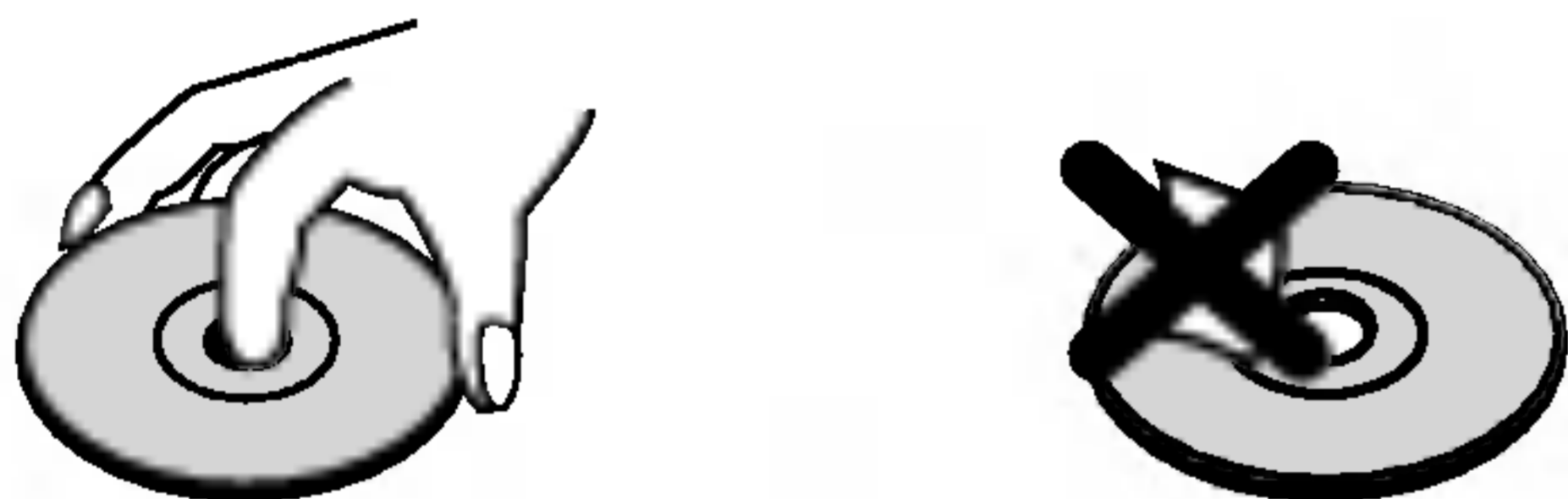
##### **To clean the cabinet**

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, benzene, 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.

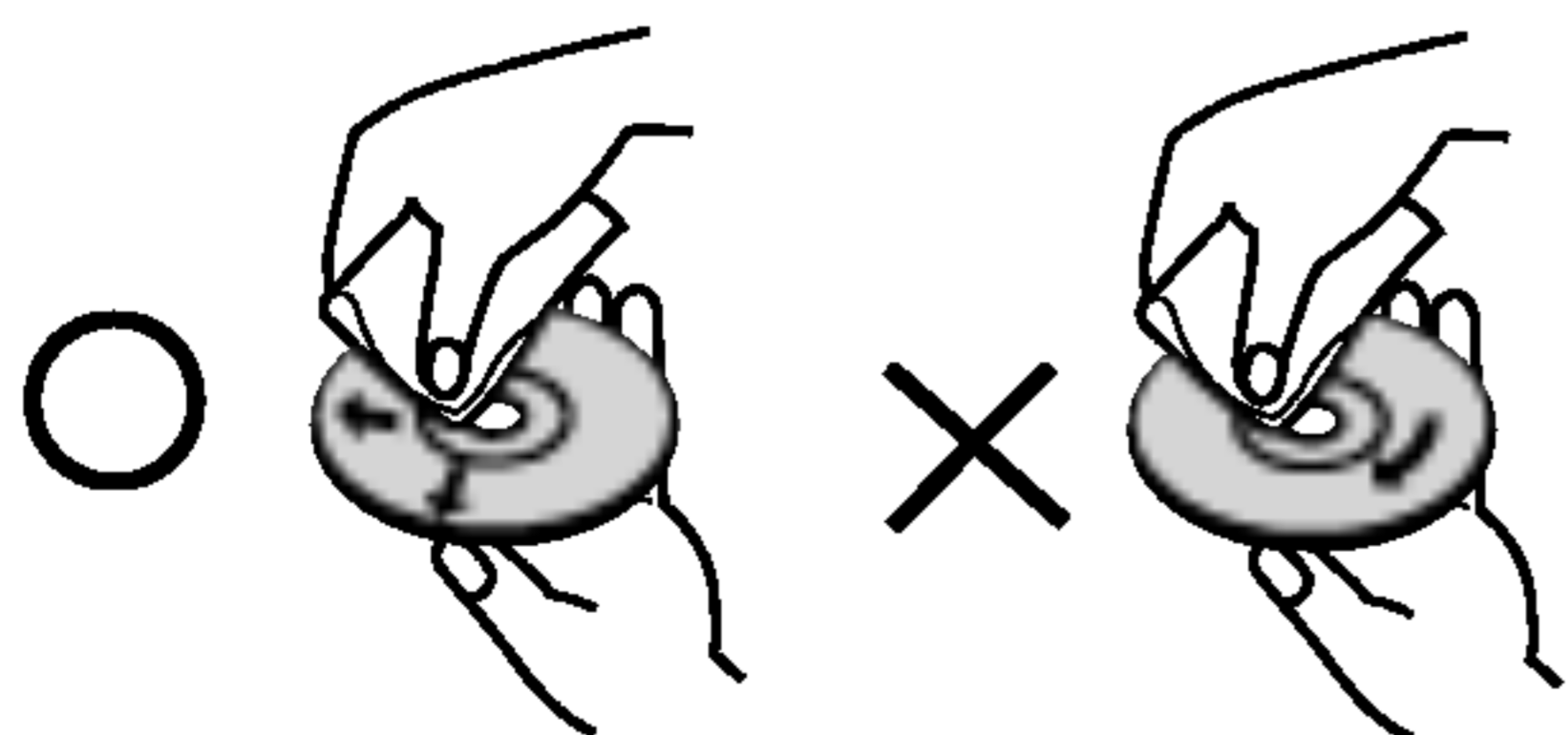


#### Storing discs

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, benzene, thinner, commercially available cleaners, or anti-static spray intended for analog records.

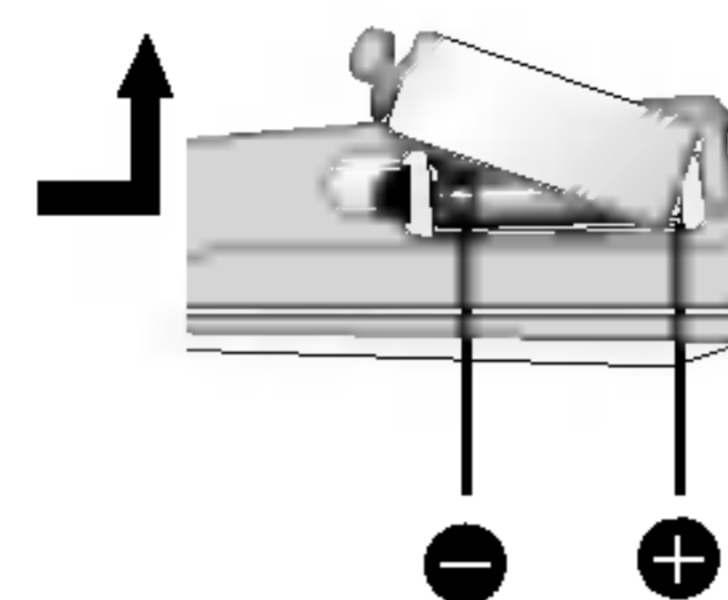
### Notes on Remote Control

#### Remote Control Operation 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.

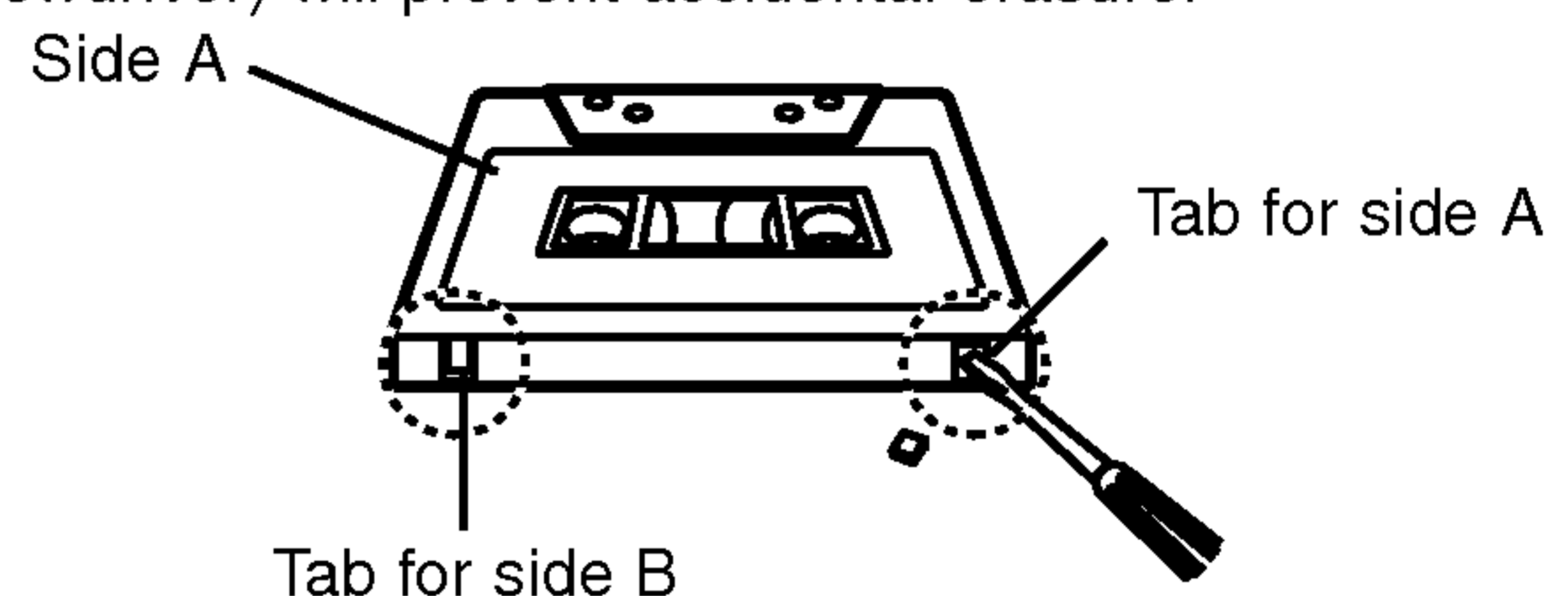
#### **⚠ Caution**

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

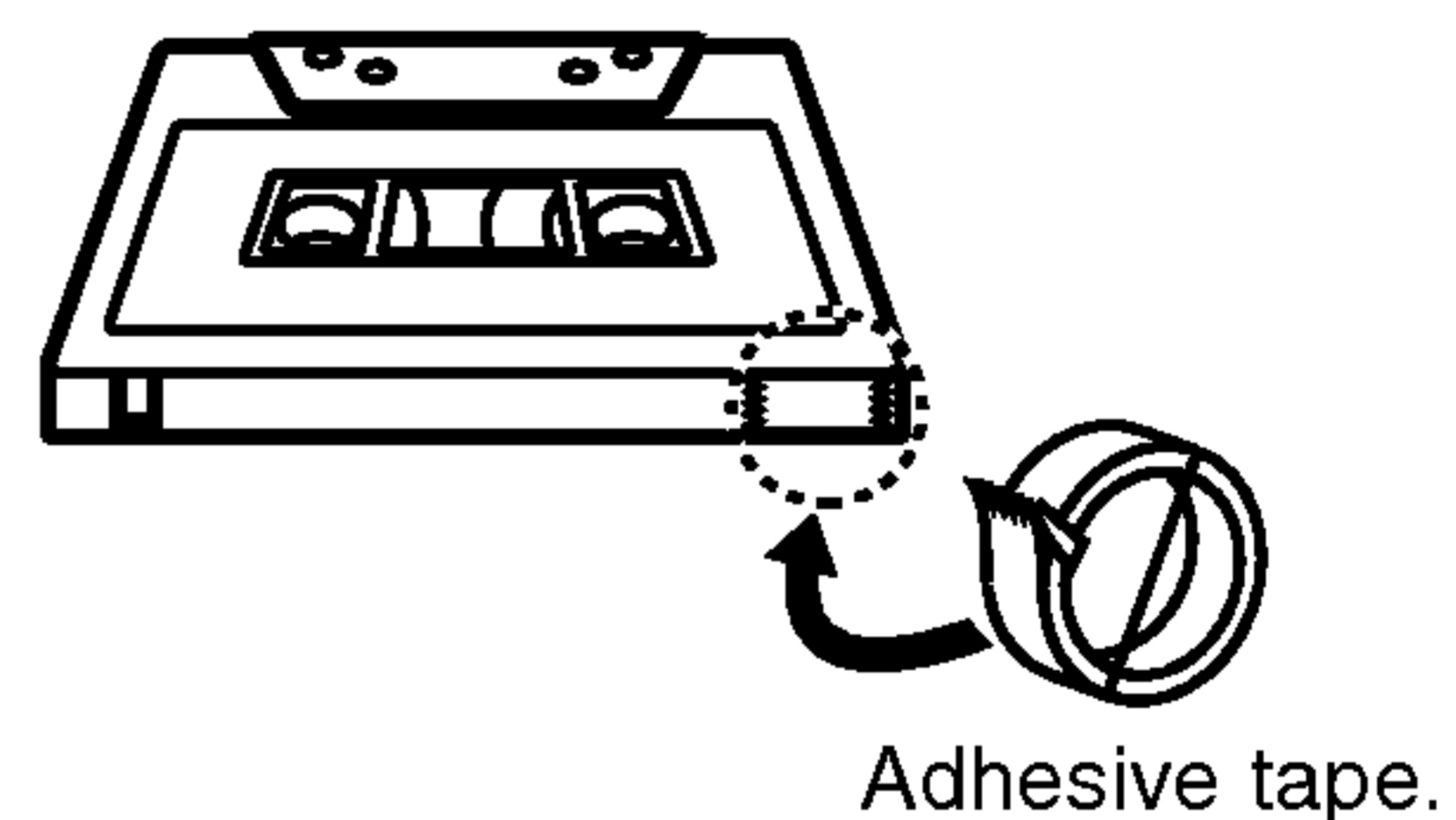
### Notes on Tapes

#### Preventing record

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



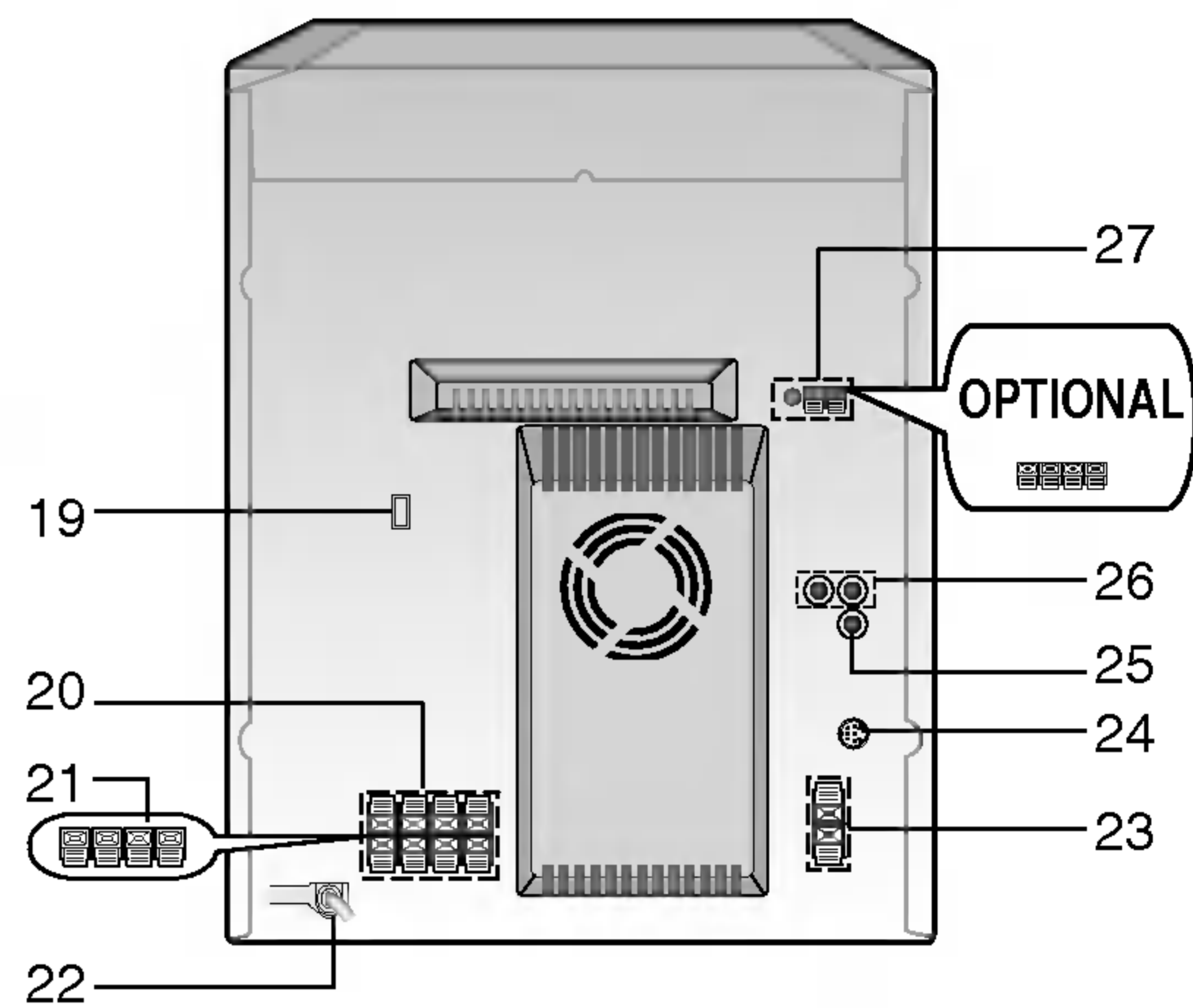
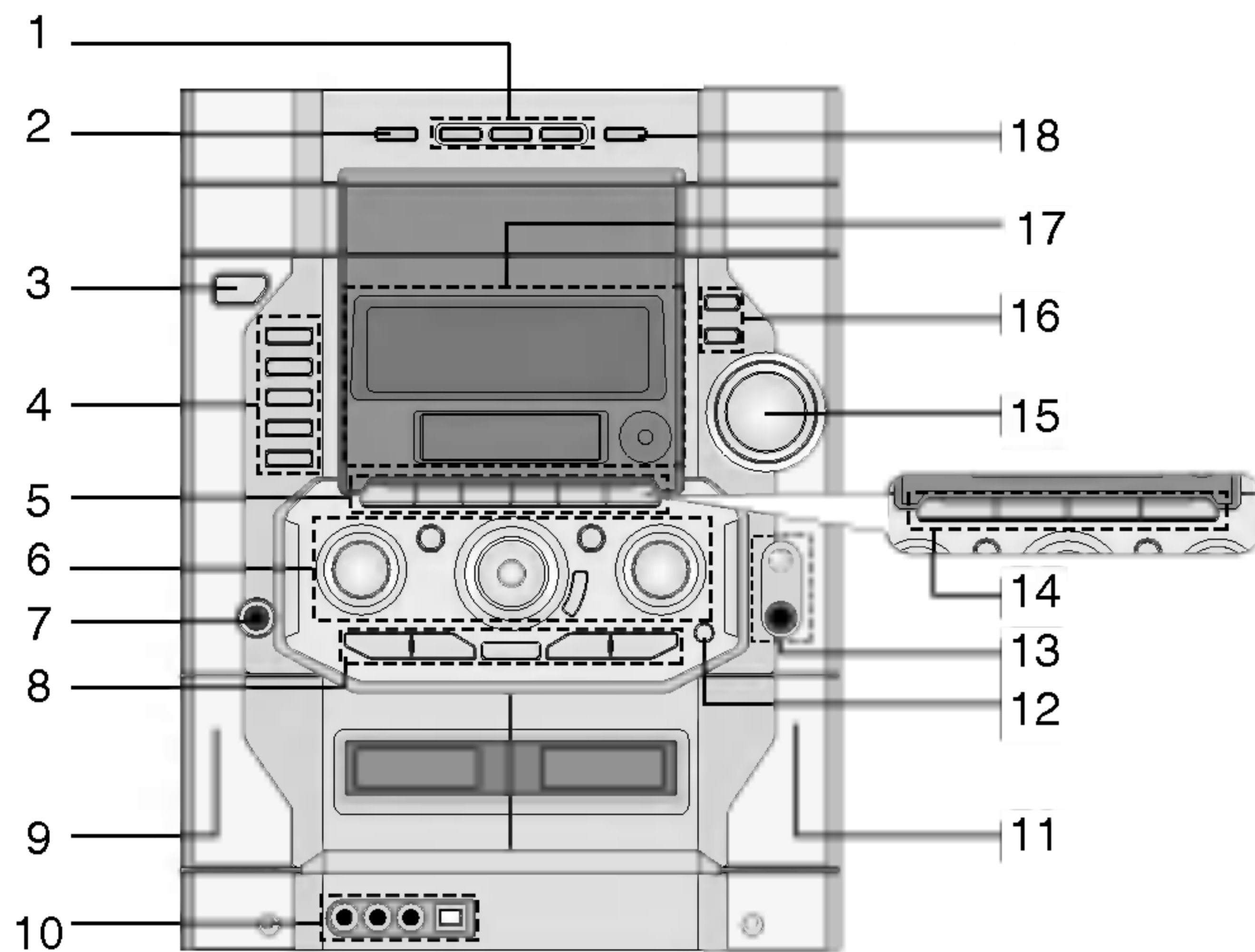
To record again, cover the hole of the tab with adhesive tape.



### Setting the Voltage (OPTIONAL)

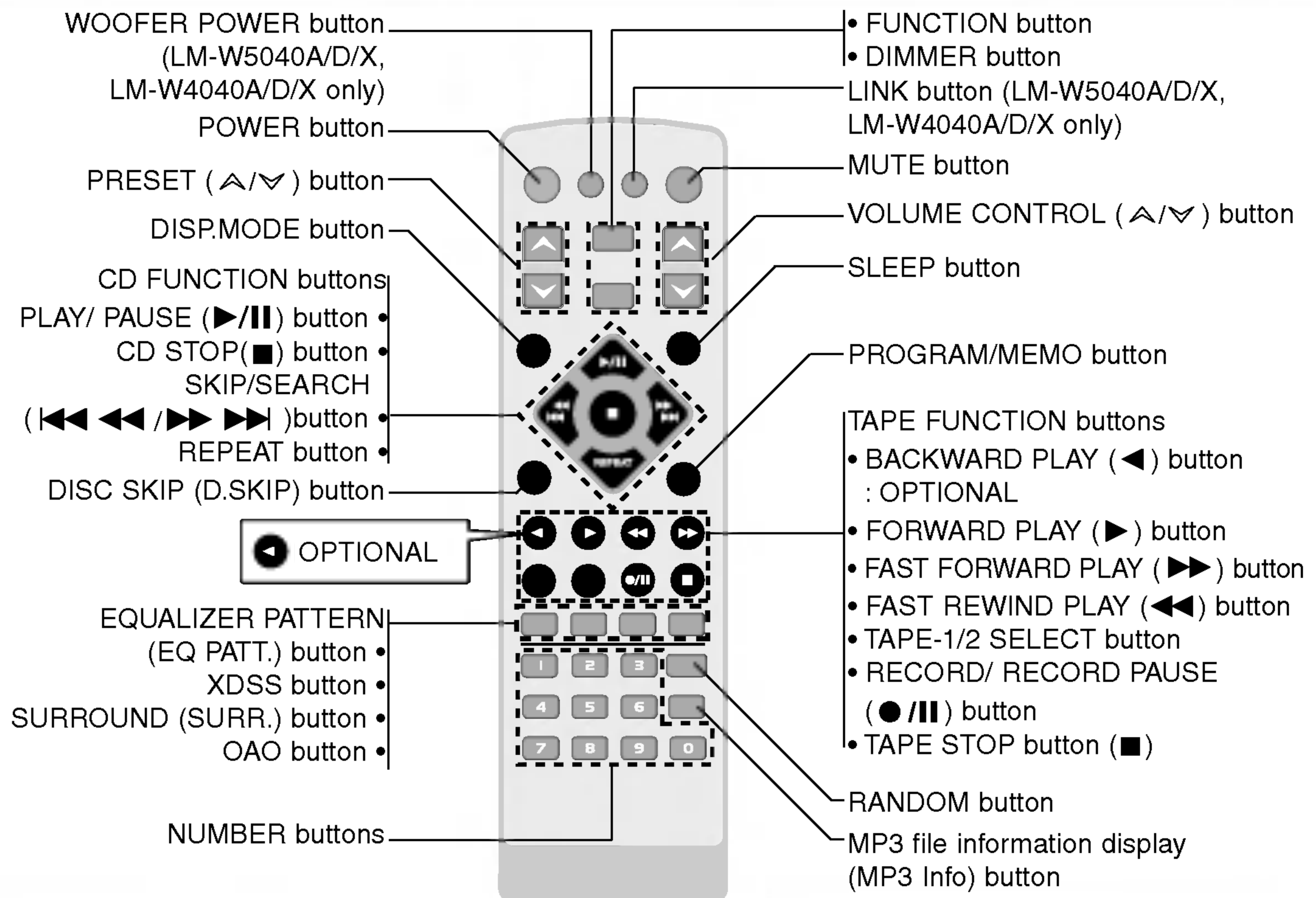
If your set is equipped with a voltage selector at the back side, be sure to set it to your local power supplied before connecting the AC power cord.

## Front Panel/Rear Panel

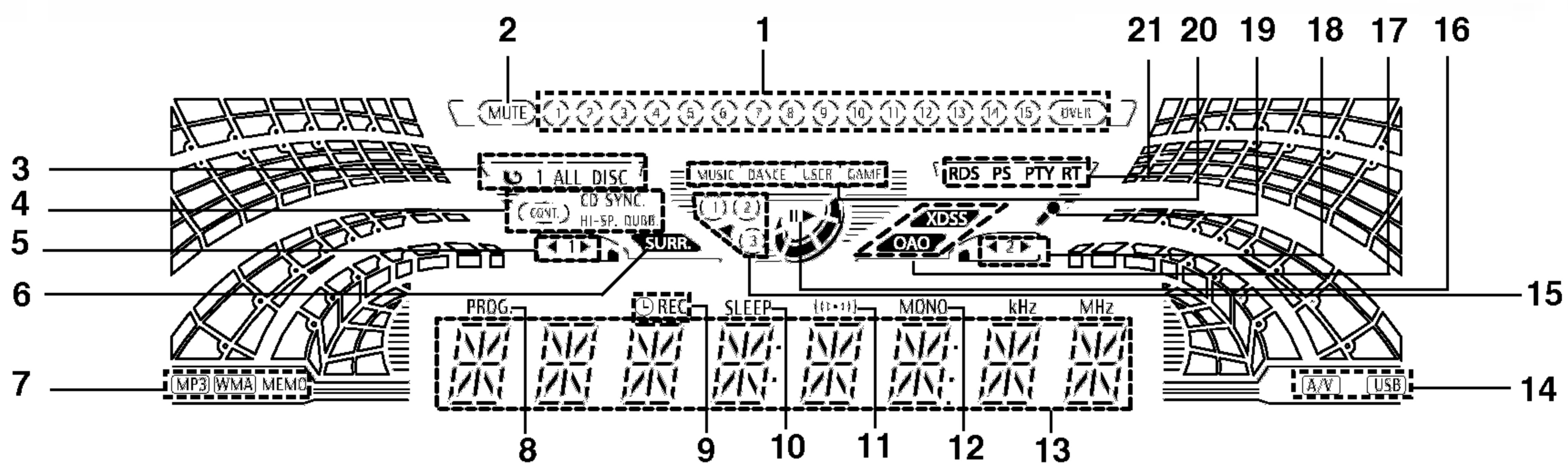


1. DISC DIRECT PLAY buttons (DISC1, DISC2, DISC3)
2. DISC SKIP button
3. POWER (STANDBY/ON) button
4.
  - PLAY MODE (OPTIONAL)/DEMO button
  - MODE/RIF/NOR-DUBB. button
  - CD SYNC./HI-DUBB. button
  - PROG./MEMO./ ENTER button
  - EQ.FUNCTION button
5. FUNCTION SELECT buttons [TUNER, TAPE, CD, AUX, A/V(GAME), USB (LM-W5040A/D/X, LM-W3140A/D/X only)]
6.
  - EQ.ADJUST knob
  - XDSS button
  - MULTI JOG. knob
  - OAO button
  - RECORD/ RECORD PAUSE (● REC /|| PAUSE) button
  - SURROUND knob
7. HEADPHONE SOCKET (PHONES):  $\phi$  6.3mm
8.
  - TUNING DOWN button
  - PRESET DOWN button
  - REWIND (◀◀◀) button
  - BACKWARD PLAY (◀) button : OPTIONAL
  - STOP (■)/ CLEAR button
  - FORWARD PLAY (▶) button
  - TUNING UP button
  - PRESET UP button
  - FAST FORWARD (▶▶▶▶) button
  - CD SKIP/SEARCH(◀◀◀/▶▶▶▶)buttons
9. ▲ PUSH EJECT position - TAPE 1 (DECK 1)
10.
  - VIDEO INPUT JACK (LM-W5040A/D/X, LM-W3140A/D/X only)
  - AUXILIARY[A/V (GAME)] INPUT JACK (LM-W5040A/D/X, LM-W3140A/D/X only)
  - USB INPUT port(↔) (LM-W5040A/D/X, LM-W3140A/D/X only)
11. ▲ PUSH EJECT position - TAPE 2 (DECK 2)
12.
  - SET/CD PAUSE(CD||) button
  - COUNT. RESET button : OPTIONAL
  - RDS button : OPTIONAL
13.
  - MIC SOCKET (MIC): $\phi$  6.3mm : OPTIONAL
  - MIC VOLUME KNOB (MIC VOL.) : OPTIONAL
14. FUNCTION SELECT buttons [TUNER, TAPE, CD, AUX (LM-W4040A/D/X, LM-W2340A/D/X only)]
15. VOLUME CONTROL KNOB
16.
  - CLOCK button
  - ⊖ TIMER button
17.
  - DISPLAY WINDOW
  - OAO indicator
  - XDSS indicator
18. CD OPEN/CLOSE(▲) button
19. VOLTAGE SELECT SWITCH : OPTIONAL
20. SPEAKER TERMINAL (LM-W5040A/D/X only)
21. SPEAKER TERMINAL (LM-W4040A/D/X, LM-W3140A/D/X, LM-W2340A/D/X only)
22. POWER CORD
23. SUB WOOFER TERMINAL (LM-W5040A/D/X, LM-W4040A/D/X only)
24. WOOFER SYSTEM JACK (LM-W5040A/D/X, LM-W4040A/D/X only)
25. VIDEO OUTPUT JACK (LM-W5040A/D/X, LM-W3140A/D/X only)
26. AUXILIARY INPUT JACK
27. FM/AM ANTENNA TERMINAL

## Remote Control



## Display Window

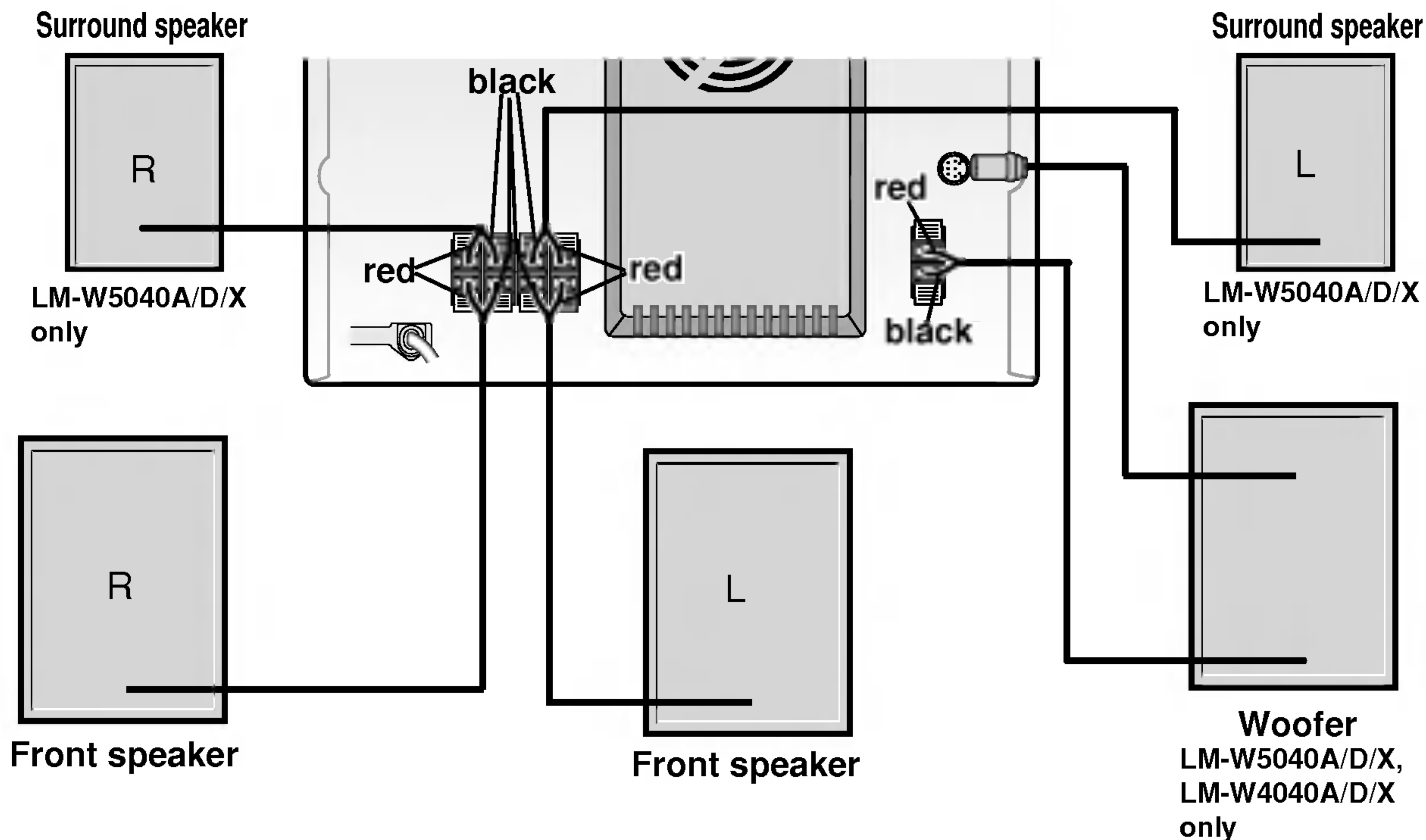


1. • CD TRACK indicator  
• CD TRACK OVER indicator
2. MUTE indicator
3. REPEAT indicator
4. • PLAY MODE SELECT indicator  
• CD SYNC. indicator  
• HIGH DUBBING indicator
5. • TAPE 1 indicator  
• TAPE PLAY DIRECTION indicator - OPTIONAL
6. SURROUND indicator
7. • MP3 indicator  
• WMA indicator  
• MEMORY indicator
8. PROGRAM indicator
9. • RECORD / RECORD PAUSE indicator  
• TIMER indicator
10. SLEEP indicator
11. FM STEREO RECEIVING indicator
12. FM MONO RECEIVING indicator
13. FUNCTION indicators
14. • A/V indicator (LM-W5040A/D/X, LM-W3140A/D/X only)  
• USB indicator (LM-W5040A/D/X, LM-W3140A/D/X only)
15. DISC Number indicator
16. PLAY/ PAUSE indicator
17. • OAO indicator  
• XDSS indicator
18. • TAPE 2 indicator  
• TAPE PLAY DIRECTION indicator - OPTIONAL
19. MIC indicator - OPTIONAL
20. EQUALIZER PATTERN indicators  
MUSIC, DANC, USER, GAME (LM-W5040A/D/X, LM-W3140A/D/X only)
21. RDS indicator : OPTIONAL

# Connections

## Speaker System Connection

Connect the speaker cords to the speaker terminals.



BEFORE OPERATION

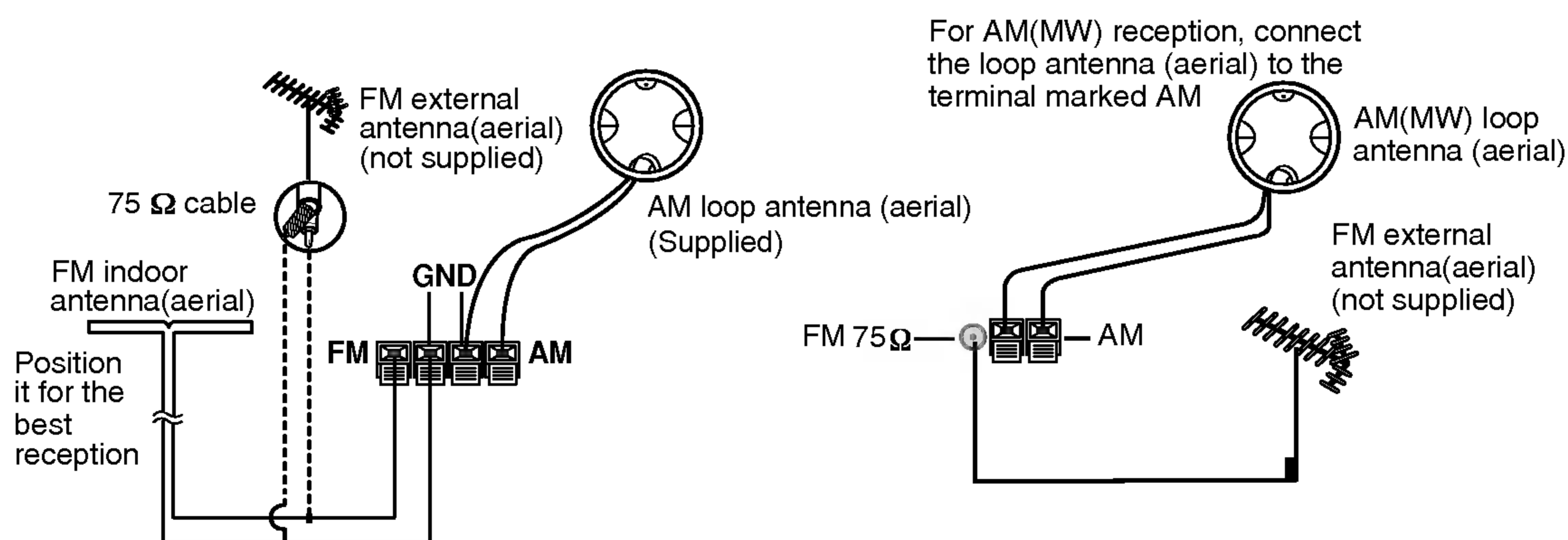
### Notes

- 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.

## Antenna (Aerial) Connections

Connect the supplied FM/AM antennas for listening to the radio.

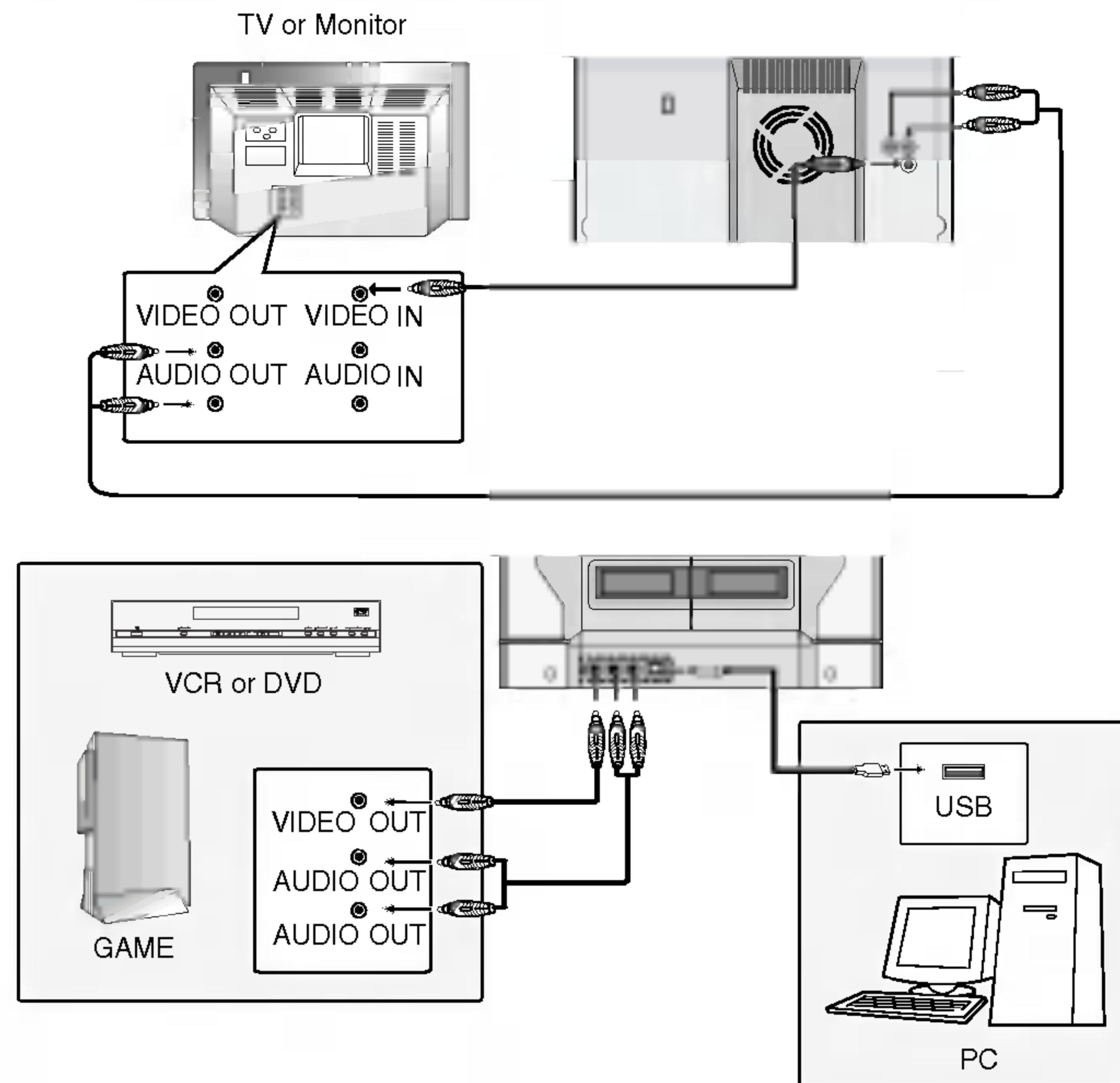
- Connect the AM loop antenna to the AM antenna connector.
- Connect the FM wire antenna (or FM "T" antenna) to the FM 75Ω/300Ω connector.



### 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.

## Connecting to a TV/Monitor, DVD, GAME or PC



### VIDEO OUT jack connection (LM-W5040A/D/X, LM-W3140A/D/X only)

Connect the VIDEO IN jack on the front of the unit to a VIDEO OUT jack of a DVD, VIDEO or GAME Consoles etc. 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 (LM-W5040A/D/X, LM-W3140A/D/X only)

Connect the AUX jack on the back of the unit to a AUDIO OUT jack of a DVD, VIDEO or GAME Consoles etc. Connect the AUX jack on the back of the unit to a AUDIO OUT jack of a TV or monitor.

### AUX jacks connection

Connect an auxiliary device i.e. TV or VCR, via the rear or front (LM-W5040A/D/X, LM-W3140A/D/X only) mounted AUX phone jacks.

### USB port connection (LM-W5040A/D/X, LM-W3140A/D/X only)

Connect the USB port on the front of the unit to a USB port of a PC.

#### Note

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.

## USB Function (LM-W5040A/D/X, LM-W3140A/D/X only)

- 1** Connect the USB port on the front of the unit to a USB port of a PC.
- 2** Press **USB**.
  1. Connect the product to the USB port of a PC. Driver software will automatically be installed.
  2. You are able to listen the output sound of PC from MINI AUDIO.
  3. The sound output of PC is automatically switched to the internal sound card of PC, when you disconnect the USB port from the PC

#### Notes

- Not available on operating systems before Windows 98SE.
- This function may be different according to the system or Windows OS of PC
  - ex) Windows 98 : After reconnecting the USB port, you must stop playback and play again.



## Setting the CLOCK

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

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



(12HR)



(24HR)

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

**4** Use **MULTI JOG**. to set the correct hours.

**5** Press **SET**.

**6** Use **MULTI JOG**. 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.

**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 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 "SLEEP 10" appears, and then press **SLEEP** once again while "SLEEP 10" is displayed.

## Using Microphone (OPTIONAL)

You can sing to a music source by connecting a microphone to the unit.

**1** Connect your microphone (not supplied) to the **MIC socket**.

**2** Play a music you want.

**3** Sing along with the accompaniment.  
Adjust the microphone volume by turning **MIC VOLUME KNOB**.

### For your reference

You can record during using microphone.  
Refer to the "Recording" explanation section.

### Notes

- When not using the microphone, set the **MIC** volume knob to minimum or turn off the **MIC** and remove the microphone from the **MIC** socket.
- If the microphone is set too near the speaker, a howling sound may be produced. In this case, move the microphone away from the speaker or decrease the sound level by using the **MIC** volume control.
- If sound through the microphone is extremely loud, it may be distorted. In this case, turn the **MIC** volume control toward minimum.

## Headphone Jack

Connect a stereo headphone plug (ø6.3mm) into the headphone jack.

- The speakers are automatically disconnected when you plug in the headphones (not supplied).

## Timer Function

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

- 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 setting, press and hold the **"TIMER"** button more than 2 seconds.)  
The previous memorized timer on time and **"TIMER"** 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** If you select the TUNER:  
PLAY and REC flash in the display window alternately for about 3 seconds. Press **SET** to confirm the desired operating mode.  
REC: TUNER recording and play  
PLAY: TUNER play only
  - If you have selected the CD or TAPE, ignore step 4.
- 5** When you have selected the TUNER;  
Select the previous memorized preset number with **MULTI JOG.** and press **SET**.  
The hour **"ON"** display flashes.
  - If you have selected the CD or TAPE, ignore step 5.
- 6** Set the hour to switch on by turning **MULTI JOG.**
- 7** Press **SET** to confirm the hour to switch on.  
The minute **"ON"** display flashes.
- 8** Set the minute to switch on by turning **MULTI JOG.**
- 9** Press **SET** to confirm the minute to switch on.  
The hour **"OFF"** now flashes in the display.
- 10** Set the hour to switch off turning **MULTI JOG.**
- 11** Press **SET**.
- 12** Set the minute to switch off turning **MULTI JOG.**
- 13** Press **SET**.
- 14** Adjust the volume level turning **MULTI JOG.**
- 15** Press **SET**.  
**"⊖"** appears in the display window and the timer setting has been completed.
- 16** 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.

## Auxiliary Function

- 1** Connect an auxiliary device i.e. TV or VCR, via the rear or front (LM-W5040A/D/X, LM-W3140A/D/X only) mounted **AUX** phone jacks.
- 2** Press **AUX**.[or **A/V(GAME)** : LM-W5040A/D/X, LM-W3140A/D/X only]

### Note

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

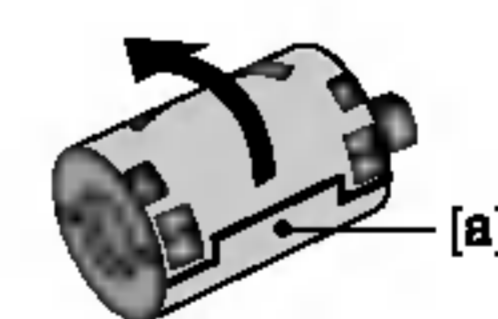
### Important Notice

#### About Ferrite Core (OPTIONAL)

Be sure to attach each ferrite core to each speaker cables and woofer cable (LM-W5040A/D/X, LM-W4040A/D/X) (for connecting to this unit). This ferrite core can reduce noise.

### How to attach the ferrite core.

1. Push the stopper [a] of the ferrite core to open.



2. Wind cables of each speaker cable to the provided ferrite core one time as illustrated.  
(The woofer speaker available LM-W5040A/D/X, LM-W4040A/D/X only)



3. Close the ferrite core until it clicks



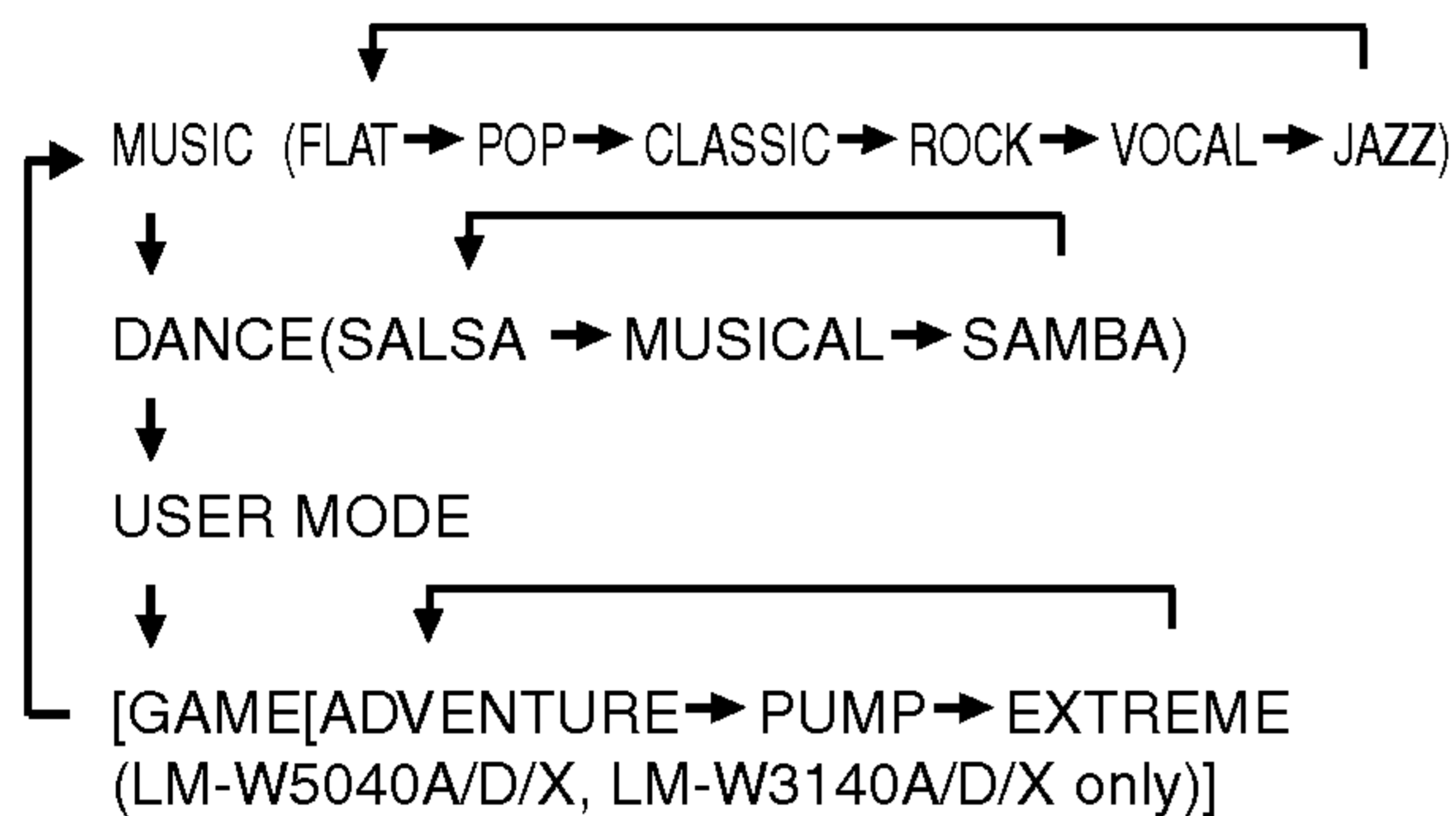
## Audio Adjustment

### Volume Adjustment

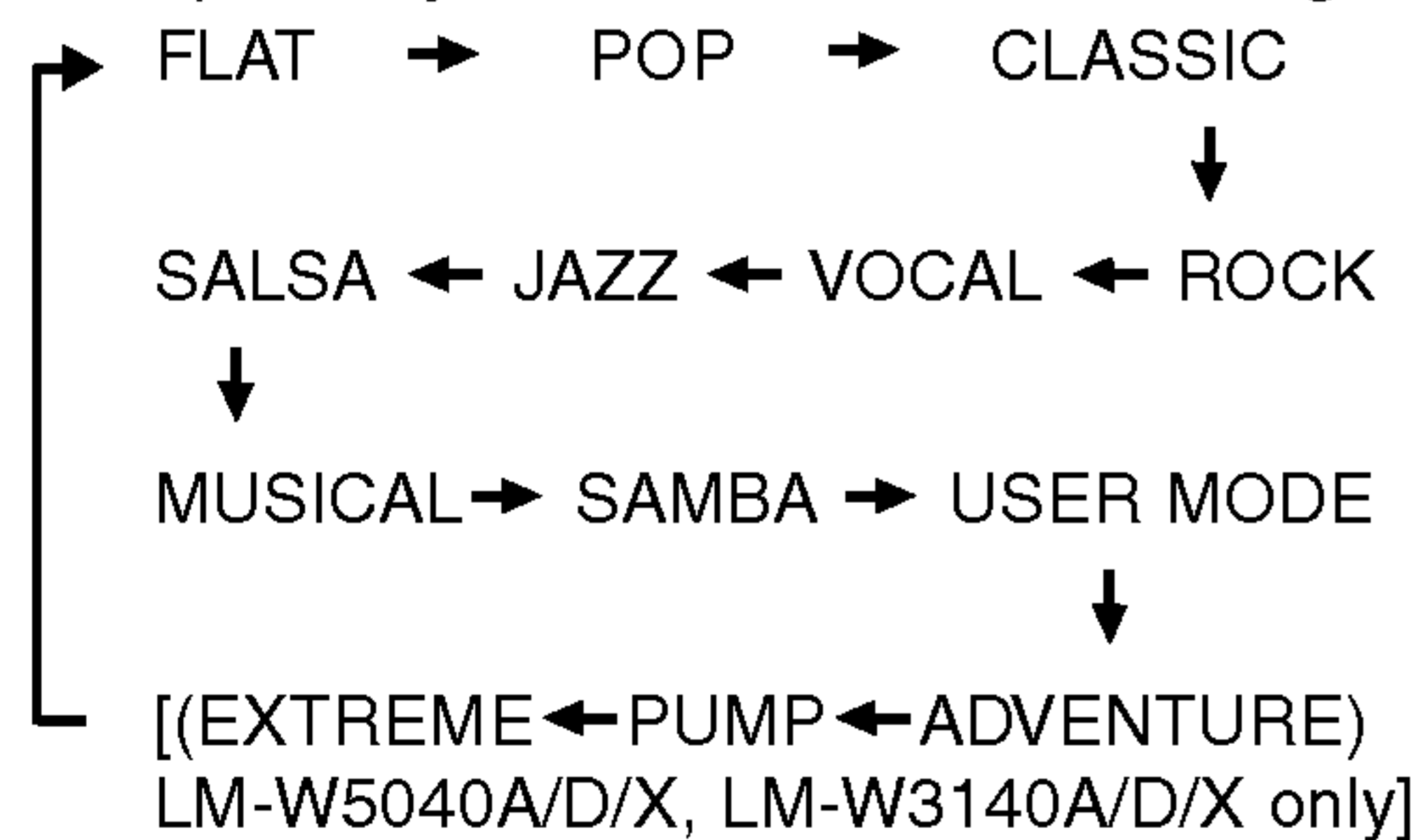
- Turn **VOLUME DOWN/UP knob** clockwise to increase the sound level, or counterclockwise to decrease it.
- Press **VOLUME CONTROL (▲)** to increase the sound level, or press the **VOLUME CONTROL (▼)** to decrease it on the remote control.

### Sound Quality Adjustment

- **To activate stereo sound**
  - You can choose between 9 fixed sound impressions and 1 USER MODE (LM-W5040A/D/X, LM-W3140A/D/X is added GAME sound). Select a desired sound mode by using the **EQ FUNCTION** button and then turning **EQ.ADJUST** knob on the front panel.



- When you select USER MODE, press the ENTER button repeatedly. You can select Three of sound mode (BASS, MIDDLE, TREBLE).
- press the EQ PATT. button (on the remote control) repeatedly so that the indication changes as follows.



### 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.

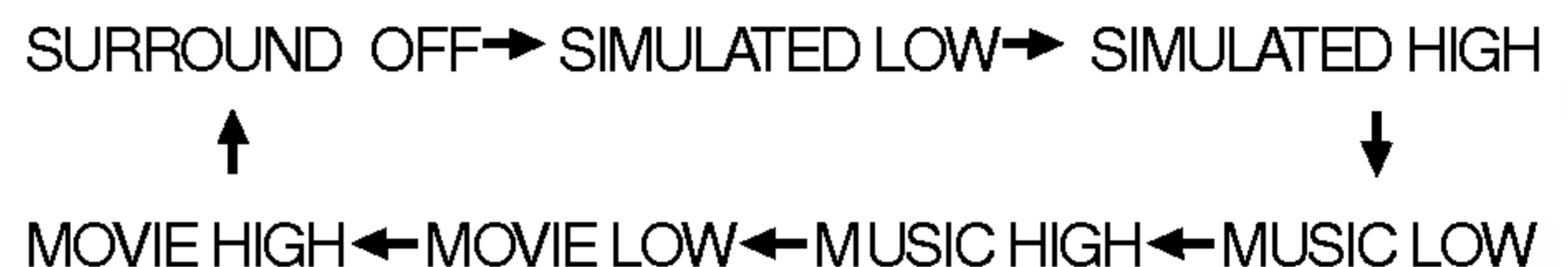
### OAO (Orientation Acoustic Optimizer) ON/OFF

Press OAO to reinforce the bass sound. The "OAO" indicator lights and "OAO ON" passes by with the left side from the right. To cancel, press OAO again than "OAO OFF" passes by with the left side from the right.

### SURROUND

#### To activate surround mode

- You can choose between 6 fixed sound impressions.
- Select a desired surround mode by using the **SURROUND CONTROL KNOB** (or **SURR.** button. on the remote control).
- Each you press the button the indication changes as follows.

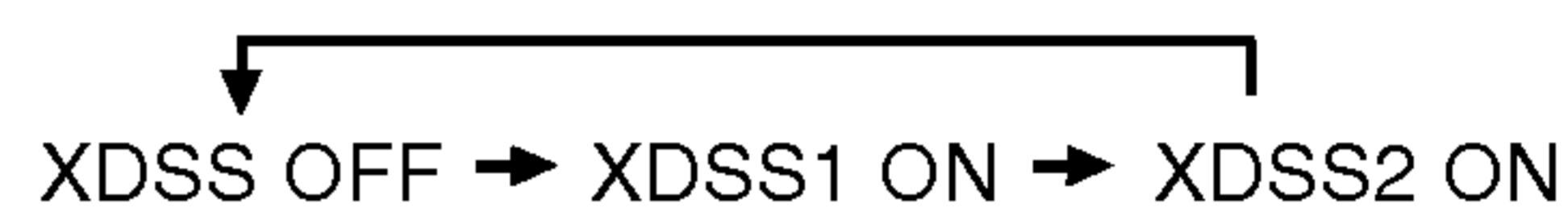


### DISPLAY MODE

Whenever you press **DISPLAY MODE**, you can enjoy the spectrum change with 6 types in the display.

### XDSS (Extreme Dynamic Sound System)

- Press **XDSS** to reinforce treble, bass and bass boost effect.
- Each you press the button the indication changes as follows.



### DEMO

Press **DEMO** in power off state to demonstrate the function in the display. To cancel it, press **POWER** or **DEMO** again. During demonstration in power-on status you can cancel it by using the other buttons.

### DIMMER

This function is darken the display window by half in power-on status. Press **DIMMER** once, and the display is darken, and if you press it once more, the display will darken by half too. To cancel it press the button again.

### Selecting the sound system (LM-W5040A/D/X, LM-W4040A/D/X only)

You can enjoy different sounds by selecting the sound mode you want. Press **LINK** button repeatedly to select the sound mode you want.

- Each you press the button the indication changes as follows.



### Using the subwoofer (LM-W5040A/D/X, LM-W4040A/D/X only)

You can use the sound of subwoofer to suit the sound source. Press **WOOFER POWER** button repeatedly to select the sound mode you want.

- Each you press the button the indication changes as follows.



## RDS Function - OPTIONAL

### About RDS

This unit is equipped with RDS (Radio Data System), which brings a wide range of information from FM radio. RDS is a system for transmitting station call signs or network information, a description of station programme type text message about the station or specifics of musical selection and the correct time.

### RDS Tuning

When a FM station containing RDS data is tuned in, the unit will automatically display the station's call sign and the RDS indicator will light in the Display Window as well as indicators for the programme type recognition (PTY), Radio Text (RT), Clock Time (CT) and RDS service programme (PS) if transmitted by the station.

### RDS Display Options

The RDS system is capable of transmitting a wide variety of information in addition to the initial call sign that appears when a station is first tuned. In normal RDS operation the display will indicate the station name, broadcast network or call letters. Pressing **RDS** on the front panel enables you to cycle through the various data types in the sequence:

(PS → FREQUENCY → PTY → RT → CT)

- **PTY (Programme type recognition)**- The programme type is shown on the display window.
- **RT (Radio text recognition)**- The radio station's name is displayed on the display window.
- **CT (Time controlled by the channel)**- Enable the unit to receive the actual time and show it on the display window.
- **PS (Programme Service name)**- The programme title is displayed on the display window.

### Notes

- Some RDS stations may not choose to include some of these additional features. If the data required for the selected mode is not being transmitted, the Display Window will show a **PTY NONE, RT NONE, CT NONE, PS NONE** message.

### Programme Search (PTY)

A major benefit of RDS is its ability to encode broadcasts with Programme Type (PTY) codes that indicate the type of material being broadcast. The following list shows the abbreviations used to indicate each PTY along with an explanation of the PTY.

NEWS	News
AFFAIRS	Current Affairs
INFO	Information
SPORT	Sports
EDUCATE	Educational
DRAMA	Drama
CULTURE	Culture
SCIENCE	Science
VARIED	Varied Speech Programme
POP M	Popular Music
ROCK M	Rock Music
EASY M	Easy Listening Music
LIGHT M	Classical Music
CLASSICS	Serious Classical Music
OTHER M	Other Music
WEATHER	Weather Information
FINANCE	Financial Programmes
CHILDREN	Children's Programmes
SOCIAL	Social Affairs Programmes
RELIGION	Religious Broadcasts
PHONE IN	Phone-In Programmes
TRAVEL	Travel and Touring
LEISURE	Leisure and Hobby
JAZZ	Jazz Music
COUNTRY	Country Music
NATION M	National Music
OLDIES	Oldies Music
FOLK M	Folk Music
DOCUMENT	Documentary Programmes
TEST	Station Alarm Test Message
ALARM 1	Emergency Broadcast Information

You may search for a specific Programme Type (PTY) by following these steps:

- 1 Press TUNER/BAND to select FM mode.**
- 2 Select a desired station by pressing TUNING DOWN/UP.**  
When the RDS transmission is received, the display shows the program service name (PS) after RDS indicator appears.
- 3 Press the RDS to select PTY mode.**
- 4 To search for a different PTY, press the PRESET DOWN/UP while the last PTY in use is still displayed to scroll through the list of available PTY types.**
- 5 When the PTY is selected, press the ◀◀◀ / ▶▶▶ within 5 seconds.**  
The unit will go into an automatic search mode and attempt to find the next station with acceptable signal strength that matches the desired PTY type.

## Presetting the radio stations

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

- 1** Press **POWER** to turn on the unit.
- 2** Press **TUNER** (or **FUNCTION** button on the remote control) until the **FM** or **AM** appears in the display window.
- 3** And then every time you press **TUNER** (or **FUNCTION** button on the remote control), **FM** and **AM** changes alternately.
- 4** Press **TUNING DOWN/UP** on the front panel until the frequency indication starts to change, then release.  
Scanning stops when the unit tunes in a station.
- 5** Press **MEMO.** on the front panel (or **MEMO** on the remote control).  
A preset number will flash in the display window.
- 6** Press **PRESET DOWN/UP** [or **PRESET** (  $\wedge/\vee$  ) on the remote control] to select the preset number you want.
- 7** Press **MEMO.** on the front panel (or **MEMO** on the remote control) again.  
- The station is stored.
- 8** Repeat steps 3 to 6 to store other stations.

### To tune in a station with a weak signal

Turn **MULTI JOG.** in step 3 to tune in the station manually.

### To clear all the memorized stations

Press and hold **MEMO.** on the front panel (or **MEMO** on the remote control) for about two seconds, "CLEAR" appears in the display window and then press **CLEAR** (or **MEMO** on the remote control) 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 6-7 on the left side.

### To recall presets

Press and hold **PRESET DOWN/UP** [or **PRESET** (  $\wedge/\vee$  ) on the remote control] until the desired preset number appears or press it repeatedly.

### Tuning in automatically

Press **TUNING DOWN/UP.**

### Tuning in manually

Turn **MULTI JOG..**

## Listening to the radio

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

- 1** Press **TUNER** (or **FUNCTION** button on the remote control) until **AM** or **FM** appears in the display window.  
The last received station is tuned in.
- 2** Press **PRESET DOWN/UP** [or **PRESET** (  $\wedge/\vee$  ) on the remote control] repeatedly 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 CONTROL KNOB** [or pressing **VOLUME** (  $\wedge/\vee$  ) on the remote control] repeatedly.

### To turn off the radio

Press **POWER** to turn the unit off or select another function mode .

### For your reference

- **If an FM program is noisy**  
Press **MODE/RIF** so that **FM STEREO RECEIVING** indicator 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 **MW(AM)** broadcast, beat noises occur. If it does, press **MODE/RIF** once.

# Tape Playback

## Basic Playback

- 1** Press TAPE repeatedly or TAPE-1/2 to select TAPE 1 or TAPE 2.  
(“NO TAPE” appears in the display window.)
- 2** Open cassette TAPE 1 (or 2) by pushing ▲ PUSH EJECT position.
- 3** Insert one or two cassette with the tape side to the bottom and then close the TAPE 1 (or 2).
- 4** Press PLAY (▶ or ◀ : OPTIONAL).

### AUTO STOP DECK (TAPE 1 or 2)

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

### AUTO REVERSE DECK (TAPE 1 or 2): OPTIONAL

You can select direction of the cassette you want by pressing PLAY MODE.

Pressing	Display	Function
Once	⇒ ⇐	After the cassette of TAPE 1 or 2 plays front or reverse (backward play) side, stops automatically.
Twice	⇒ ⇐)	After the cassette of TAPE 1 or 2 plays front and reverse side, stops automatically.
Three times	(⇒ ⇐)	After the cassette of TAPE 1 or 2 plays six times repeatedly front and reverse side, stops automatically.
Forth	(⇒ ⇐) CONT.)	After a cassette of TAPE 1 and 2 plays six times repeatedly front and reverse side, stops automatically.

## To Stop Play

Press STOP(■) during playback.

## Tape Counter Reset

Press COUNT. RESET during playback.

Playing time appears “TP 1(or 2)-0000” in display window.

## To Play Fast Rewind or Fast Forward

press ◀◀◀◀ / ▶▶▶▶ on the front panel or ◀◀ / ▶▶ on the remote control during playback, press PLAY (▶) at the point you want.

## Dubbing

This function shows how to record from tape to tape.

- 1** Press TAPE or TAPE-1/ 2.
  - Cassette TAPE 1- Insert a playback tape to dub.
  - Cassette TAPE 2- Insert a blank tape.
- 2** Press NOR-DUBB./ HI-DUBB..
- 3** To stop dubbing, Press STOP(■).

## Recording

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

### Basic Setting

- 1** Press **CD, TUNER** or **AUX** [or **A/V, USB** (LM-W5040A/D/X, LM-W3140A/D/X only)].
- 2** Open the **cassette TAPE B** and insert a blank cassette into the cassette compartment.  
**To set the recording direction :OPTIONAL**  
Press **PLAY MODE** repeatedly to set the recording direction.

Pressing	Display	Function
Once	↔	Recording front side.
Twice	↔)	Recording front and reverse side.
Three times	(↔)	
Forth	(CONT.)	

### Recording from Radio, CD or Auxiliary source

- 1** Press **RECORD/ RECORD PAUSE (●REC/II PAUSE or ●/II)** button .  
"REC" flashes and holds the cassette in pause mode.
- 2** Press **PLAY(▶)** on the front panel.  
The recording begins.

### To Pause recording

To pause the recording, press **RECORD/ RECORD PAUSE (●REC/II PAUSE or ●/II)** button 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.

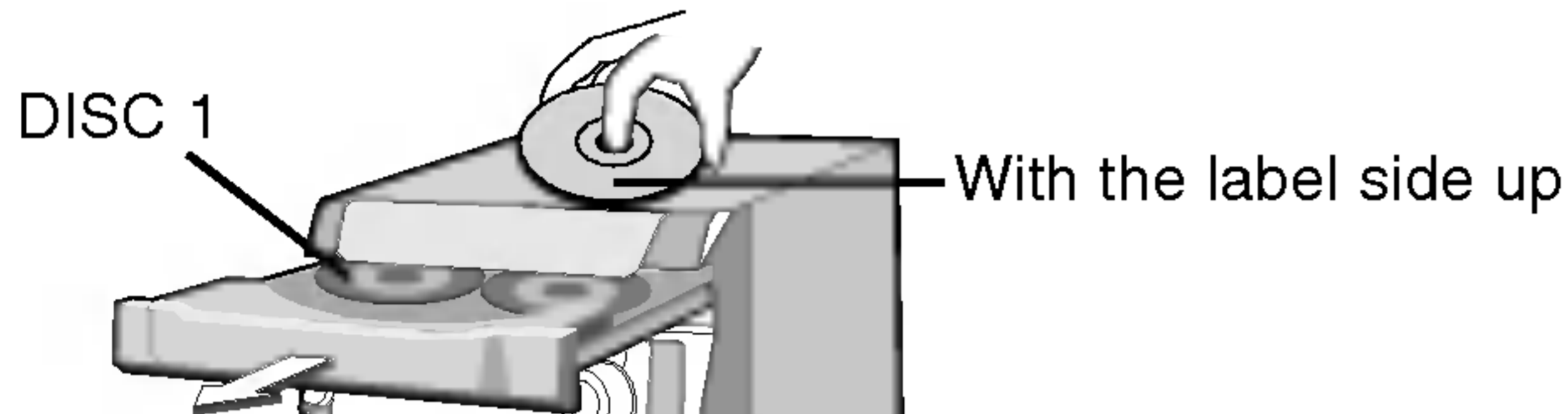
#### Notes

- 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.

## CD Playback

### Basic Playback

- 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 **CD OPEN/CLOSE**(▲) and place the disc into the disc tray.  
The disc on the left (DISC 1) is played first.



#### Note

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

- 4** Press **CD OPEN/CLOSE**(▲) to close the disc compartment.  
Audio CD: "READING" appears in the display window, and then the total number of tracks and the playing time are displayed.  
MP3/WMA CD: "READING" appears in the display window, and then the total number of files is displayed.

- 5** Press **PLAY** (▶) or **PLAY/ PAUSE** (▶/||) on the remote control.

### To Pause Play

Press **CD PAUSE** (CD||) or **PLAY/ PAUSE** (▶/||) on the remote control during playback.  
Press this button again it to resume play.

### To Stop Play

Press **STOP**(■) during playback.

### To Skipping the Track

- Press **▶▶▶▶** on the front panel or **CD SKIP ▶▶▶▶** on the remote control to go to the next track.
- When **◀◀◀◀** button on the front panel or **CD SKIP ◀◀◀◀** button on the remote control is pressed once midway through a track, the player returns to the start of that track. When it is pressed again, a track is skipped each time the button is pressed.

### To Play Fast Rewind or Fast Forward

After pressing and holding **◀◀◀◀ / ▶▶▶▶** on the front panel or **◀◀◀◀ / ▶▶▶▶** on the remote control during playback, press **PLAY** (▶) at the point you want.

#### Note

This function is not available to play a MP3/WMA file.

### To Go to the next discs

Press **DISC SKIP** or **D.SKIP** during playing or stopping.

### To Select a disc directly

Press **DISC 1**, **DISC 2** or **DISC 3** during playing or stopping.

When you press DISC 1-3 before playing a disc, the unit will automatically start playing the selected disc.

### To check MP3 file information

Press the **MP3 Info** button during MP3 file playback.

- The information (Title, Artist or Album) of the MP3 file will be shown in the display window.
- If there is no the information of the MP3 file, "NO ID3 TAG" indicator will be shown in the display window.
- The "MP3 file name" and "ID3 TAG" should be named using English.

#### Note

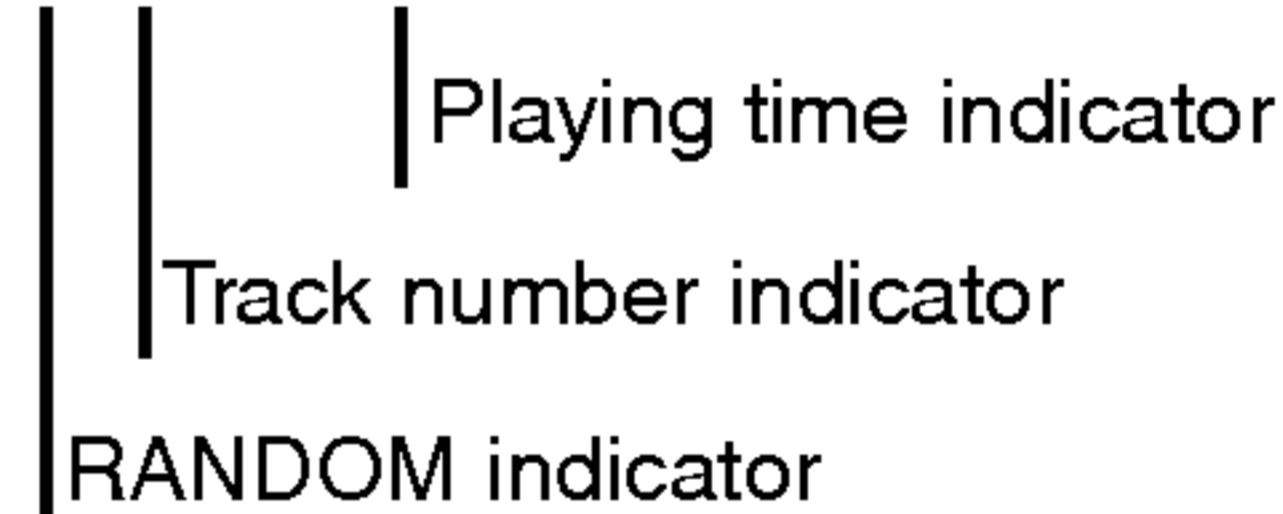
This unit can play a CD-R or CD-RW that contains audio titles or MP3 files.

### To Play tracks in random order

Press the **RANDOM** button on the remote control during playback.

The tracks on the CD will all play in random order.

EX) "R 5 00:20 " will be shown in the display window.



### To cancel random playback

Press the **RANDOM** button again to return to normal CD playback.

#### Note

This function is not available to play a MP3/WMA file.



## CD Playback (Cont'd)

### To Replace discs during Playback

You can open the disc tray during playing a disc to check what discs are to be played next and replace discs without interrupting playback of the current disc.

- 1 Press the CD OPEN/CLOSE (▲).**  
The disc tray is opened. Two disc compartments appear. Even if the unit is playing a disc, it doesn't stop playing.
- 2 Replace discs in the compartments with new ones.**  
The unit plays the disc in the left compartment after the current disc, and then the one in the right compartment.
- 3 Press CD OPEN/CLOSE (▲).**  
The CD door is closed.

#### Notes

- Do not place more than one compact disc on one disc tray at the same time.
- Do not push the disc tray to close CD door, as you may damage the unit.

### To Repeat Play

#### To play one track repeatedly.

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

#### To play one disc repeatedly.

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

#### To play all tracks on all discs repeatedly

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

#### To cancel repeat play

- Press **REPEAT** several times until repeat indicators disappear.

#### Program repeat play

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

#### Random repeat play

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

### To 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.

- 1 Press PROG. (or PROGRAM on the remote control) on the stop mode.**
- 2 Press D.SKIP or DISC DIRECT PLAY (DISC1/2/3) to select the disc.**
- 3 Press |◀◀ ◀◀ / ▶▶ ▶▶| or MULTI JOG. on the front panel or CD SKIP |◀◀ ◀◀ / ▶▶ ▶▶| on the remote control to select the track.**
- 4 Press PROG. (or PROGRAM on the remote control).**
- 5 Repeat 1~4.**
- 6 Press PLAY(▶) (or PLAY/ PAUSE (▶/||) on the remote control).**

#### To check program contents

Press **PROG.** (or **PROGRAM** on the remote control) on the stop mode.  
- The disc, track and program number will be displayed.

#### To clear program contents

Press **PROG.** (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.** (or **PROGRAM** on the remote control) repeatedly on the program stop mode until "Disc Number" blinks.
2. Repeat 2~5 on the left side.

#### To modify program contents

1. Press the **PROG.** (or **PROGRAM** on the remote control) to display program number you want to modify.
2. Repeat 2~4 on the left side.

## Troubleshooting

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

Symptom	Cause	Correction
No power.	<ul style="list-style-type: none"> <li>The power cord is disconnected.</li> </ul>	<ul style="list-style-type: none"> <li>Plug the power cord into the wall outlet securely.</li> </ul>
No sound.	<ul style="list-style-type: none"> <li>The audio cables are not connected securely.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the audio cable into the jacks securely.</li> </ul>
	<ul style="list-style-type: none"> <li>The power of the external source equipment is switched off.</li> </ul>	<ul style="list-style-type: none"> <li>Turn on the equipment connected with the audio cable.</li> </ul>
	<ul style="list-style-type: none"> <li>The Digital Audio Output is set to the wrong position.</li> </ul>	<ul style="list-style-type: none"> <li>Set the Digital Audio Output to the correct position, then turn on the unit again by pressing POWER.</li> </ul>
The unit does not start playback.	<ul style="list-style-type: none"> <li>No disc is inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a disc.</li> </ul>
	<ul style="list-style-type: none"> <li>An unplayable disc is inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a playable disc.</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is placed upside down.</li> </ul>	<ul style="list-style-type: none"> <li>Place the disc with the playback side down.</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is not placed within the guide.</li> </ul>	<ul style="list-style-type: none"> <li>Place the disc on the disc tray correctly inside the guide.</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the disc.</li> </ul>
The remote control does not work properly.	<ul style="list-style-type: none"> <li>The remote control is not pointed at the remote sensor of the unit.</li> </ul>	<ul style="list-style-type: none"> <li>Point the remote control at the remote sensor of the unit.</li> </ul>
	<ul style="list-style-type: none"> <li>The remote control is too far from the unit.</li> </ul>	<ul style="list-style-type: none"> <li>Operate the remote control within about 23 ft (7 m).</li> </ul>
	<ul style="list-style-type: none"> <li>There is an obstacle in the path of the remote control and the unit.</li> </ul>	<ul style="list-style-type: none"> <li>Remove the obstacle.</li> </ul>
	<ul style="list-style-type: none"> <li>The batteries in the remote control are exhausted.</li> </ul>	<ul style="list-style-type: none"> <li>Replace the batteries with new ones.</li> </ul>

## Additional Information

### About MP3

- An MP3 file is audio data compressed by using the MPEG1 audio layer-3 file-coding scheme. We call files that have the ".mp3" file extension "MP3 files".
- The unit can not read an MP3 file that has not ".mp3" file extension.

### About WMA

- An WMA file is a Microsoft audio compression technology.
- WMA(Windows Media Audio) offers double the audio compression of the MP3 format.

**MP3/WMA Disc compatibility with this unit is limited as follows:**

- Sampling Frequency / 8 - 48kHz (MP3), 32 - 44.1 kHz (WMA)
- Bit rate / 8 - 320kbps (MP3), 32 - 128kbps (WMA)
- CD-R physical format should be "ISO 9660"
- If you record MP3/WMA files using the software which cannot create a FILE SYSTEM, for example "Direct-CD" etc., it is impossible to playback MP3 files. We recommend that you use "Easy-CD

Creator", which creates an ISO9660 file system.

- File names should be named using 30 letters or less and must incorporate ".mp3" or "wma" extension e.g. "\*\*\*\*\*.MP3" or "\*\*\*\*\*.WMA".
- Do not use special letters such as "/ : \* ? " < > " etc.
- Even if the total number of files on the disc have more than 1000, it will only be shown up to 999.

### About MULTI SESSION

- This function recognizes the multi session disc according to a disc of CD-ROM type.

- ex) If there are MP3/WMA files in the first session, the MP3/WMA file in the first session is only played. If there are only MP3/WMA files in the whole session, all of the MP3/WMA files in the session are played. If there is Audio CD in the first session, only the Audio CD in the first session is played.

## Specifications

SECTION		MODEL	LM-W5040A/D/X	LM-W4040A/D/X	LM-W3140A/D/X	LM-W2340A/D/X
[General]	Power supply	Refer to the back panel of the unit.				
	Power consumption	220W	170w	150w	110w	
	Mass	12kg	12kg	10kg	10kg	
	External dimensions (W x H x D)	280 x 370 x 372 mm				
[CD]	Frequency response	40 - 18000 Hz				
	Signal-to-noise ratio	70 dB				
	Dynamic range	70 dB				
[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			
		Frequency Response	60 - 10000 Hz			
	AM (MW)	Tuning Range	522 - 1611 kHz or 530 - 1610 kHz			
		Intermediate Frequency	450 kHz			
		Signal to Noise Ratio	35 dB			
		Frequency Response	120 - 2000 Hz			
[Amp]	Output Power	310W + 310W	230W + 230W	310W + 310W	230W + 230W	
	T.H.D	0.7%				
	Frequency Response	42 - 25000 Hz				
	Signal-to-noise ratio	75 dB				
	Tape Speed	4.75cm/sec				
[TAPE]	Wow Flutter	0.25% (MTT -111, JIS-WTD)				
	F.F/REW Time	120sec (C-60)				
	Frequency Response	125 - 8000Hz				
	Signal to Noise Ratio	43dB				
	Channel Separation	50dB(P/B)/45dB(R/P)				
	Erase Ratio	55dB (MTT-5511)				
[Front Speakers]	Model name	<b>LMS-W5040</b>	<b>LMS-W4040</b>	<b>LMS-W3140</b>	<b>LMS-W2340</b>	
	Type	3Way 4Speaker	3Way 4Speaker	3Way 4Speaker	3Way 4Speaker	
	Impedance	6Ω	6Ω	6Ω	6Ω	
	Frequency Response	45-20000Hz	45-20000Hz	45-20000Hz	45-20000Hz	
	Sound Pressure Level	85dB	85dB	85dB	85dB	
	Rated Input Power	250W	230W	310W	230W	
	Max. Input Power	500W	460W	620W	460W	
	Net Dimensions(WxHxD)	255x425x300	255x425x300	255x425x300	255x425x300	
	Net Weight	10.4	10.4	10.4	10.4	
[Surround Speakers]	Model name	<b>LMS-W5040S</b>				
	Type	2Way 3Speaker				
	Impedance	24Ω				
	Frequency Response	60-20000Hz				
	Sound Pressure Level	85dB				
	Rated Input Power	100W				
	Max. Input Power	200W				
	Net Dimensions(WxHxD)	187 x 425 x 248				
	Net Weight	5.3				
[Woofer Speakers]	Model name	<b>LMS-W5040W, LMS-W4040W</b>				
	Type	1Way 1Speaker				
	Impedance	6Ω				
	Frequency Response	40-15000Hz				
	Sound Pressure Level	83dB				
	Rated Input Power	310W				
	Max. Input Power	620W				
	Net Dimensions(WxHxD)	255 x 425 x 300				
	Net Weight	9.2				

Designs and specifications are subject to change without notice.



P/NO : 3834RH0097G