LG

MINI HI-FI SYSTEM

OWNER'S MANUAL
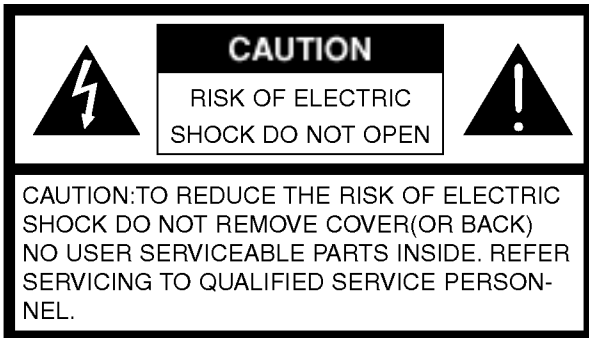
MODEL : LM-W5040A/D/X
LM-W3140A/D/X
LM-W4040A/D/X
LM-W2340A/D/X

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.

Plays Windows Media™   MP3 DIGITAL   disc DIGITAL AUDIO COMPACT

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 PERSON-
NEL.

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

About the symbols for instructions

⚠ Indicates hazards likely to cause harm to the unit itself or other material damage.

N Indicates special operating features of this unit.

T 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, benzine, or thinner, as these might damage the surface of the unit.

Notes on Discs

Handling discs

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

Storing discs

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

Cleaning discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.
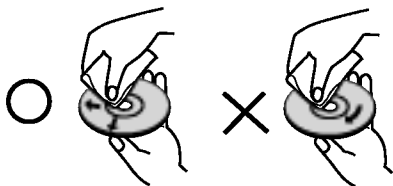
Do not use strong solvents such as alcohol, benzine, thinner, commercially available cleaners, or anti-static spray intended for analog records.

Notes on Remote Control

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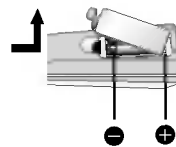
Detach the battery cover on the rear of the remote control, and insert two R03 (size AAA) batteries with ⊕ and ⊖ aligned correctly.

⚠ **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.

Side A

Tab for side A

Tab for side B
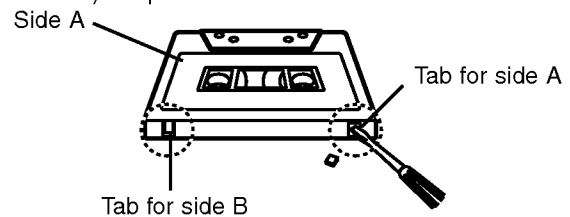
To record again, cover the hole of the tab with adhesive tape.
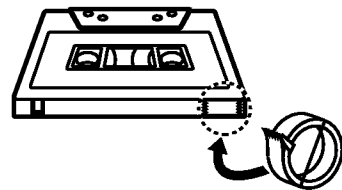
Adhesive tape.

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
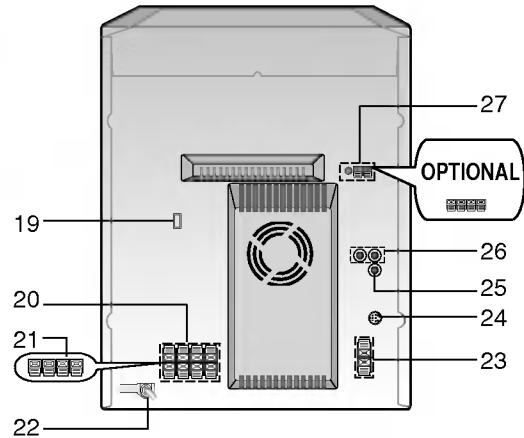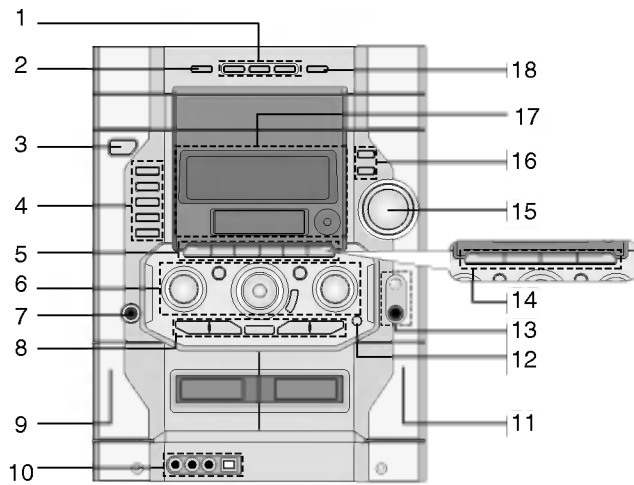
1. DISC DIRECT PLAY buttons
   (DISC1, DISC2, DISC3)
2. DISC SKIP button
3. POWER (STANDBY/ON) button
4. • PLAY MODE (OPTIONAL)/DEMO button
   • MODE/RIF/NOR-DUBB. button
   • CD SYNC./HI-DUBB. button
   • PROG./MEMO./ ENTER button
   • EQ.FUNCTION button
5. FUNCTION SELECT buttons
   [TUNER, TAPE, CD, 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): ∅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):∅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

WOOFER POWER button (LM-W5040A/D/X, LM-W4040A/D/X only)

POWER button

PRESET (∧/∨) button

DISP.MODE button

CD FUNCTION buttons
PLAY/ PAUSE (▶/II) button •
CD STOP(■) button •
SKIP/SEARCH (I◀◀ ◀◀ /▶▶ ▶▶I)button •
REPEAT button •

DISC SKIP (D.SKIP) button

○ OPTIONAL

EQUALIZER PATTERN (EQ PATT.) button •
XDSS button •
SURROUND (SURR.) button •
OAO button •

NUMBER buttons

• FUNCTION button
• DIMMER button

LINK button (LM-W5040A/D/X, LM-W4040A/D/X only)

MUTE button

VOLUME CONTROL (∧/∨) button

SLEEP button

PROGRAM/MEMO button

TAPE FUNCTION buttons
• BACKWARD PLAY (◀) button : OPTIONAL
• FORWARD PLAY (▶) button
• FAST FORWARD PLAY (▶▶) button
• FAST REWIND PLAY (◀◀) button
• TAPE-1/2 SELECT button
• RECORD/ RECORD PAUSE (●/II) button
• TAPE STOP button (■)

RANDOM button

MP3 file information display (MP3 Info) button

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.

Surround speaker

Surround speaker

R

black

red

red

red

L

LM-W5040A/D/X only

LM-W5040A/D/X only

black

R

L

Front speaker

Front speaker

Woofer
LM-W5040A/D/X,
LM-W4040A/D/X
only
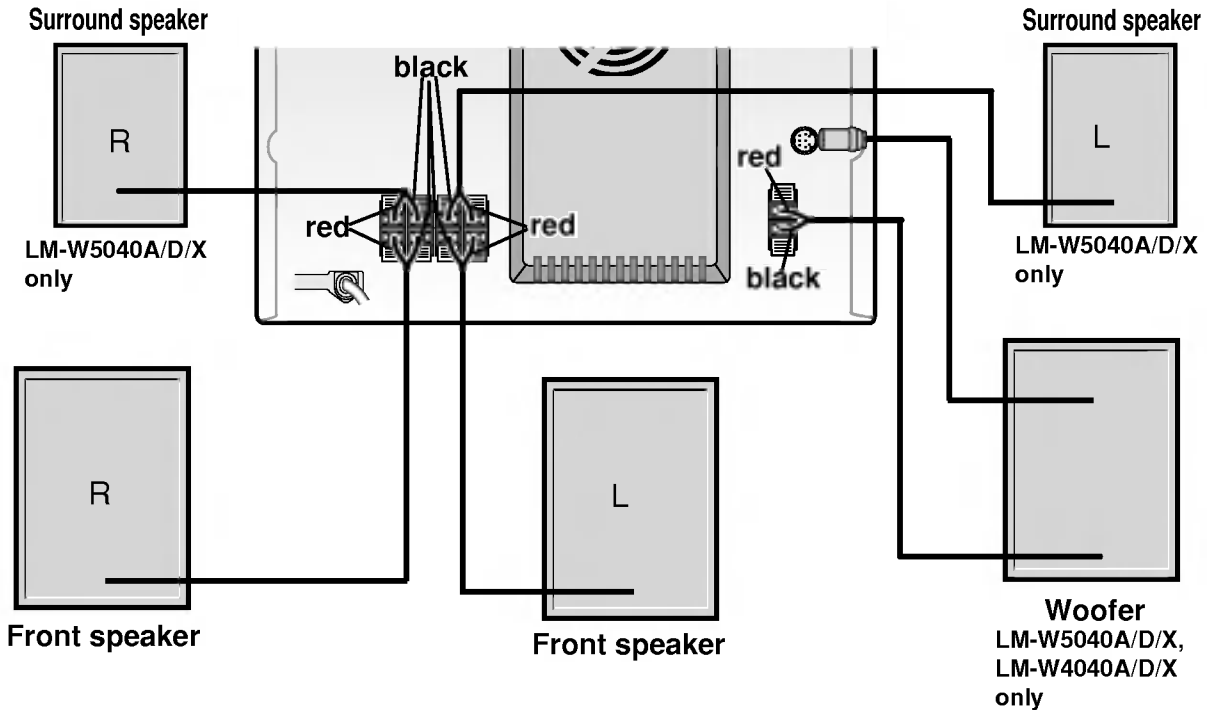
Notes
• Be sure to match the speaker cord to the appropriate terminal on the components: + to + and − to −. If the cords are reversed, the sound will be distorted and will lack base.
• If you use front speakers with low maximum input rating, adjust the volume carefully to avoid excessive output on the 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.

FM external antenna(aerial) (not supplied)

For AM(MW) reception, connect the loop antenna (aerial) to the terminal marked AM

AM(MW) loop antenna (aerial)

75 Ω cable

FM indoor antenna(aerial)

AM loop antenna (aerial) (Supplied)

FM external antenna(aerial) (not supplied)

GND

Position it for the best reception

FM 　 AM

FM 75Ω — 　 — AM
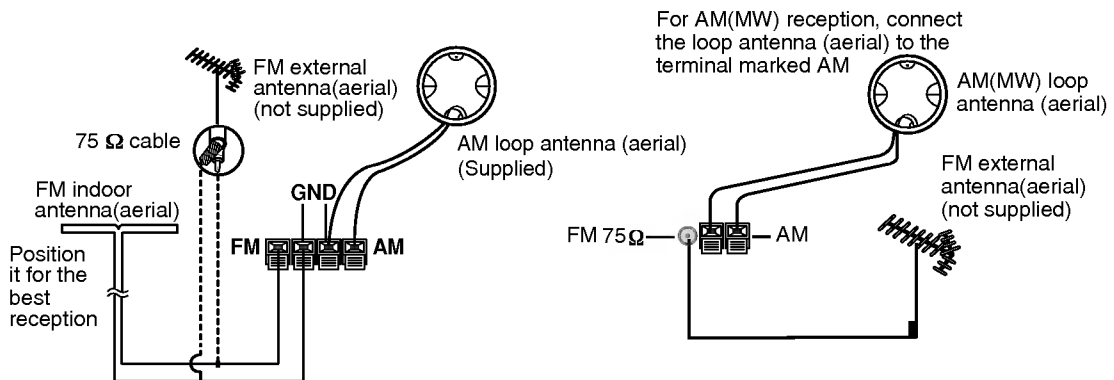
Notes
• To prevent noise pickup, keep the AM loop antenna away from the unit and other components.
• Be sure to fully extend the FM wire antenna.
• After connecting the FM wire antenna, keep it as horizontal as possible.

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

TV or Monitor

VIDEO OUT VIDEO IN
AUDIO OUT AUDIO IN

VCR or DVD

VIDEO OUT
AUDIO OUT
GAME AUDIO OUT

USB

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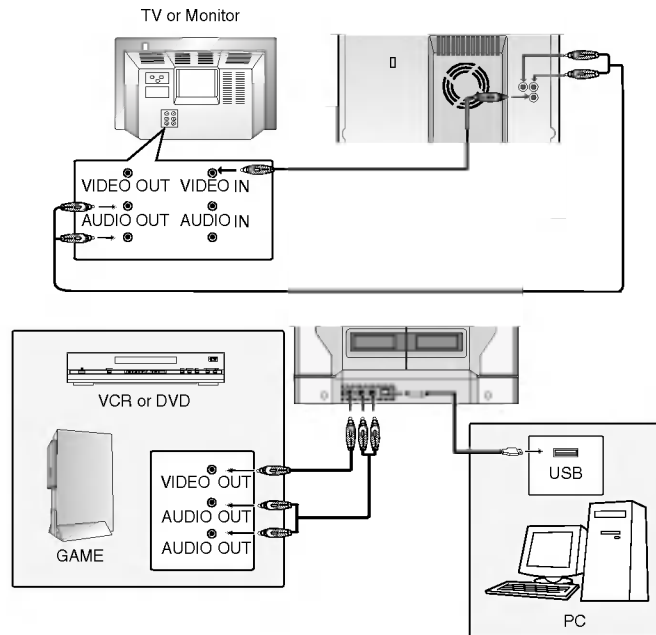
VIDEO OUT jack connection (LM-W5040A/D/X, LM-W3140A/D/X only)

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 IN 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.

N ote
• 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

N otes
• Not available on operating systems before Windows 98SE.
• This function may be different accroding 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..

AM 12:00   *0:00*

(12HR)   or   (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 dis-
played 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 (∅6.3mm) 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]

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

N 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 avaible LM-W5040A/D/X, LM-W4040A/D/X only)

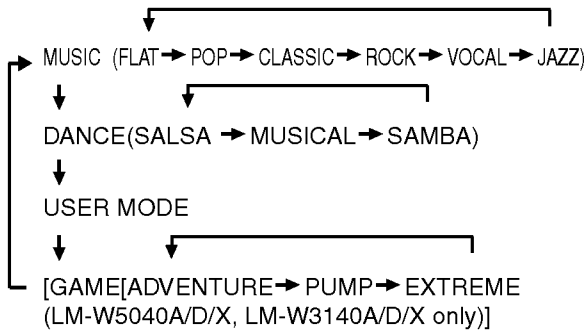3. Close the ferrite core until it clicks
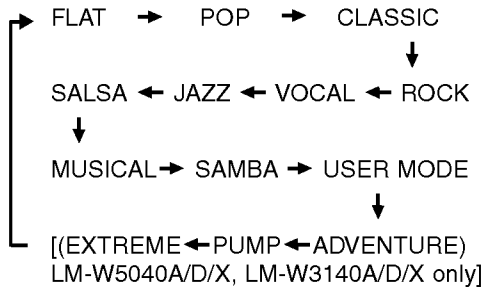
Audio Adjustment

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.

    MUSIC (FLAT→ POP→ CLASSIC→ ROCK→ VOCAL→ JAZZ)
    ↓
    DANCE(SALSA → MUSICAL→ SAMBA)
    ↓
    USER MODE
    ↓
    [GAME[ADVENTURE→ PUMP→ EXTREME (LM-W5040A/D/X, LM-W3140A/D/X only)]

  - 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.

    FLAT → POP → CLASSIC
    ↓
    SALSA ← JAZZ ← VOCAL ← ROCK
    ↓
    MUSICAL→ SAMBA → USER MODE
    ↓
    [(EXTREME← PUMP← ADVENTURE) LM-W5040A/D/X, LM-W3140A/D/X only]

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.

SURROUND OFF→ SIMULATED LOW→ SIMULATED HIGH
↑   ↓
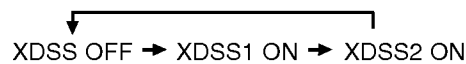MOVIE HIGH← MOVIE LOW← MUSIC HIGH← MUSIC LOW
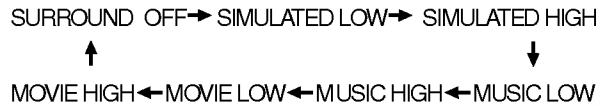
DISPLAY MODE

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.

XDSS OFF → XDSS1 ON → XDSS2 ON

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.

SURROUND 1 → SURROUND 2 → LINK ON
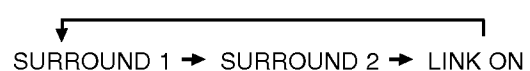
Using the subwoofer (LM-W5040A/D/X, LM-W4040A/D/X only)

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.

SUB _ WOOFER ON ↔ SUB _ WOOFER OFF
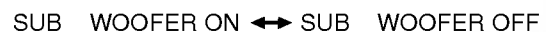
RDS Function - OPTIONAL

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 containg 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 services 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 (∧/∨) 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 (∧/∨) 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 (∧/∨) 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 (∧/∨) 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.

N otes
- 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 I◀◀ ◀◀ / ▶▶ ▶▶I 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.**

N **otes**
- If you wish to record from the desired track, select the desired track with I◀◀◀◀ / ▶▶▶▶I 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.

DISC 1 ——— With the label side up
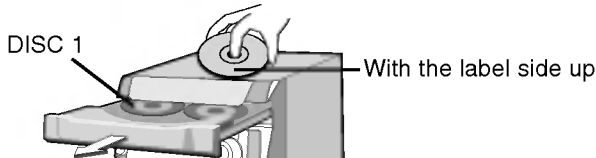
𝒩 ote
To load an 8cm(3 inch) disc, put it onto the inner circle of the tray.

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 (▶/II) on the remote control.**

To Pause Play
Press CD PAUSE (CD II) or PLAY/ PAUSE (▶/II) 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 ▶▶ ▶▶I on the front panel or CD SKIP ▶▶ ▶▶I on the remote control to go to the next track.**
• **When I◀◀ ◀◀ button on the front panel or CD SKIP I◀◀ ◀◀ 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 I◀◀ ◀◀ /▶▶ ▶▶I on the front panel or I◀◀ ◀◀ /▶▶ ▶▶I on the remote control during playback, press PLAY (▶) at the point you want.

𝒩 ote
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.

𝒩 ote
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.

| | Playing time indicator
| Track number indicator
RANDOM indicator
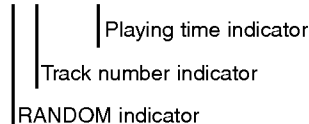
To cancel random playback
Press the RANDOM button again to return to normal CD playback.

𝒩 ote
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.

𝒩 otes
• Do not place more than one compact disc on one disc tray at the same time.
• Do no 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 I◄◄ ◄◄ /►► ►►I or MULTI JOG. on the front panel or CD SKIP I◄◄ ◄◄ /►► ►►I 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 (►/II) 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.

REFERENCE

Troubleshooting

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 sound.	• The audio cables are not connected securely.	• Connect the audio cable into the jacks securely.
	• The power of the external source equipment is switched off.	• Turn on the equipment connected with the audio cable.
	• The Digital Audio Output is set to the wrong position.	• Set the Digital Audio Output to the correct position, then turn on the unit again by pressing POWER.
The unit does not start playback.	• No disc is inserted.	• Insert a disc.
	• An unplayable disc is inserted.	• Insert a playable disc.
	• 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.
The remote control does not work properly.	• 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.

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:

1. Sampling Frequency / 8 - 48kHz (MP3), 32 - 44.1 kHz (WMA)
2. Bit rate / 8 - 320kbps (MP3), 32 - 128kbps (WMA)
3. CD-R physical format should be "ISO 9660"
4. 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.
5. File names should be named using 30 letters or less and must incorporate ".mp3" or "wma" extension e.g. "*********.MP3" or "*********.WMA".
6. Do not use special letters such as "/ : * ? " < > " etc.
7. 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.

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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	**LMS-W5040**	**LMS-W4040**	**LMS-W3140**	**LMS-W2340**
	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	**LMS-W5040S**			
	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	**LMS-W5040W, LMS-W4040W**			
	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.