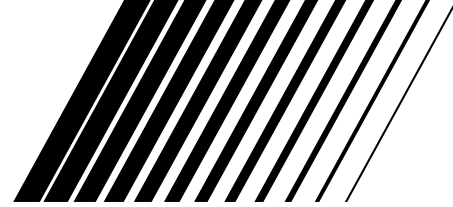# JVC

COMPACT COMPONENT SYSTEM

SISTEMAS DE COMPONENTES COMPACTOS
SISTEMA DE COMPONENTE COMPACTO
小型組合系統

MX-J100

Consists of CA-MXJ100 and SP-MXJ100
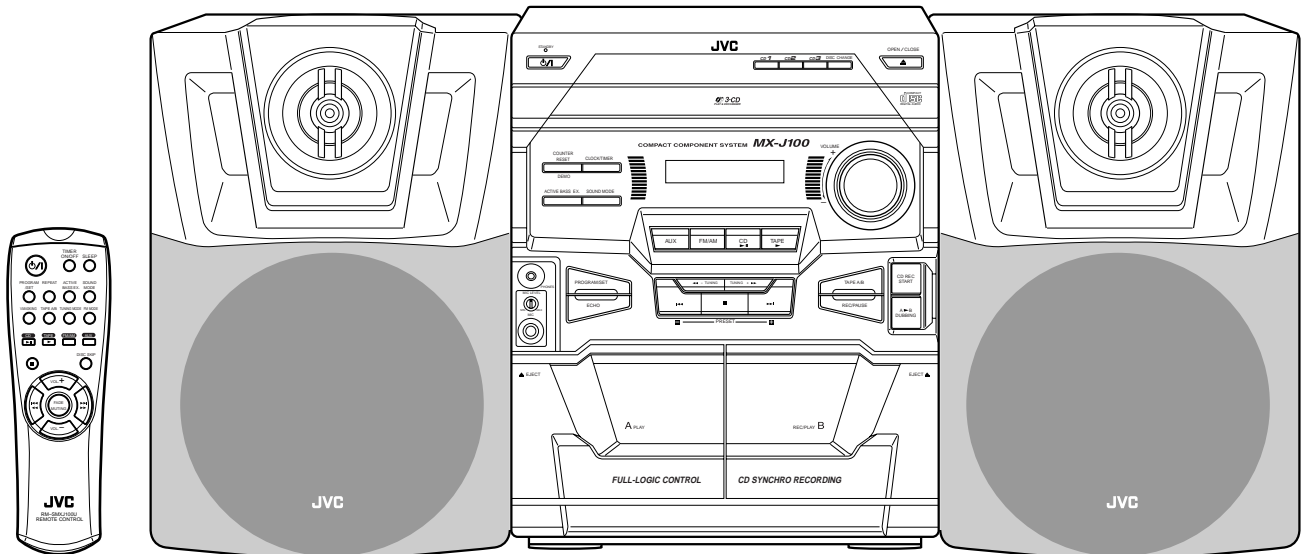**Consta del CA-MXJ100 el SP-MXJ100**
Consta do CA-MXJ100 e SP-MXJ100
由**CA-MXJ100** 及**SP-MXJ100**組成

COMPACT
disc
DIGITAL AUDIO

SP-MXJ100   **CA-MXJ100**   **SP-MXJ100**

INSTRUCTIONS

MANUAL DE INSTRUCCIONES
*INSTRUÇÕES*
使用说明书

LVT0472-009A
[U, US]

Warnings, Cautions and Others
Avisos, precauciones y otras notas
Advertências, precauções e outras notas
警告，注意及其他须知事项
تحذيرات، تنبيهات وأشياء أخرى

Caution — ⏻/I switch!
Disconnect the mains plug to shut the power off completely. The ⏻/I switch in any position does not disconnect the mains line. The power can be remote controlled.

Precaución — Interruptor ⏻/I!
Desconectar el cable de alimentación para desactivar la alimentación totalmente. Cualquier que sea la posición de ajuste del interruptor ⏻/I, la alimentación no es cortada completamente. La alimentación puede ser controlada remotamente.

Precaução — Interruptor ⏻/I!
Desconectar o cabo de alimentação para desligar a alimentação por completo. Qualquer que seja a posição de ajuste do interruptor ⏻/I, a alimentação não é completamente cortada. A alimentação pode ser controlada remotamente.

注意— ⏻/I 开关！

无论 ⏻/I 开关在任何位置，电源线的电源还是没有被切断，若要将电源完全关闭，应把电源插头拔离插座。电源开关可用遥控器控制。

تحذير – الطاقة ⏻/I
انزع قابس الطاقة الكهربائية من اجل فصل الطاقة الكهربائية عن الجهاز كليا. لا يفصل مفتاح الطاقة الكهربائية عندما يكون باي وضع ⏻/I الطاقة الكهربائية عن الجهاز. يمكن التحكم عن بعد بالطاقة الكهربائية.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

PRECAUCIÓN

Para reducir riesgos de choques eléctricos, incendio, etc.:
1. No extraiga los tornillos, los cubiertas ni la caja.
2. No exponga este aparato a la lluvia o a la humedad.

PRECAUÇÃO

Para reduzir riscos de choques elétricos, incêndio, etc.:
1. Não remova parafusos e tampas ou desmonte a caixa.
2. Não exponha este aparelho à chuva nem à umidade.

警告

为了减低触电，火灾等危险：
1.请勿擅自卸下螺丝钉，盖子或机壳。
2.切勿让本机受雨淋或置潮湿环境中。

تحذير

لتجنب خطر الحريق، الصدمات الكهربائية، الخ.:
١. لا تقم بفك البراغي، الاغطية أو الخزانة.
٢. لا تقم بتعريض هذا الجهاز للمطر أو للرطوبة.

Caution: Proper Ventilation
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
1 Front: No obstructions and open spacing.
2 Sides/ Top/ Back: No obstructions should be placed in the areas shown by the dimensions below.
3 Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

Precaución: el aparato debe estar bien ventilado
Para evitar posibles riesgos de descargas eléctricas e incendios y prevenir cualquier posible daño, coloque el aparato del modo siguiente:
1 Parte delantera: No ponga nada delante, deje el espacio libre.
2 Laterales/ parte superior/ parte trasera: No se debería colocar nada en las áreas y las distancias que se detallan a continuación.
3 Parte inferior: Coloque el aparato sobre una superficie recta. Debe haber buena circulación de aire; para ello, coloque el aparato sobre una base a una altura mínima de 10 cm.

Precaução: Ventilação adequada
Para evitar riscos de choques elétricos e incêndios, e prevenir avarias, instale o aparelho como segue:
1 Parte frontal: Sem obstruções e espaços abertos.
2 Partes laterais/Tampa/Posterior: Nenhuma obstrução deverá ser colocada entre as áreas cujas dimensões são indicadas abaixo.
3 Parte inferior: Instale-o sobre uma superfície plana. Deverá ser mantido espaço suficiente para a ventilação se este for instalado numa posição que tenha uma altura de 10 cm ou mais.

注意：正确通风

为免发生触电和火警的危险，及防止本机受损，请将本机如下放置：

1. 前面：   没有障碍物及地方开阔。

2. 侧面／顶面／背面：   在图中所示范围中，不应放置任何障碍物。

3. 底部：   放置在水平面上。放置在一个高 10 厘米或以上的台上，以保持足够的通风道。

تحذير: التهوية الصحيحة
لتجنّب حصول صدمات كهربائية واخطار الحريق ومنع حصول تلف وضرر للجهاز، ركّب الجهاز كما يلي:
١ الجهة الامامية: يجب ان لا يكون هنالك عوائق ويجب ان تكون المنطقة مفتوحة امام الجهاز.
٢ الجهات الجانبية / العلوية / الخلفية: يجب عدم وضع عوائق في المناطق المبينة بالابعاد في الاسفل.
٣ القاعدة: يجب وضع الجهاز على سطح منبسط. اترك مسافة كافية من اجل التهوية بواسطة وضع الجهاز على حامل بارتفاع ١٠ سم او اكثر.
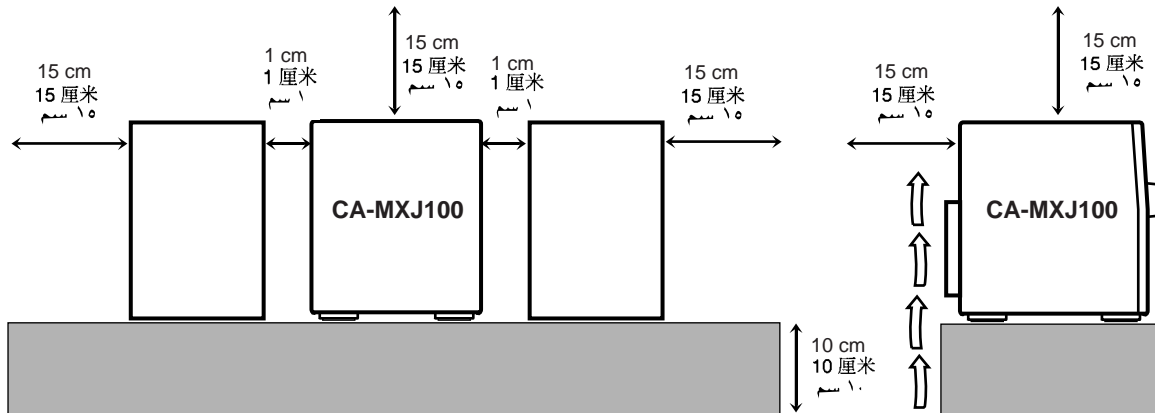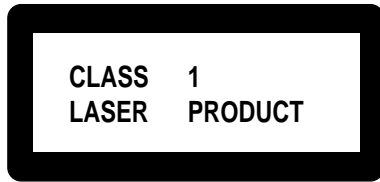
IMPORTANT FOR LASER PRODUCTS / IMPORTANTE PARA PRODUCTOS LÁSER / IMPOTANTE PARA PRODUTOS LASER / 雷射产品的重要说明 / مهم للمنتجات الليزرية

REPRODUCTION OF LABELS / REPRODUCCIÓN DE ETIQUETAS / REPRODUÇÃO DE ETIQUETAS
标签内容说明 / إنتاج اللاصقات

① CLASSIFICATION LABEL, PLACED ON REAR ENCLOSURE

① ETIQUETA DE CLASIFICACIÓN, PEGADA EN LA PARTE POSTERIOR DE LA CAJA

① ETIQUETA DE CLASSIFICAÇÃO LOCALIZADA NA PARTE POSTERIOR DA CAIXA DO APARELHO.

① 分类标签，贴在机壳背后

①   لاصق التصنيف، موضوعة على المرفق الخلفي

② WARNING LABEL, PLACED INSIDE THE UNIT

② ETIQUETA DE ADVERTENCIA, PEGADA EN EL INTERIOR DE LA UNIDAD

② ETIQUETA DE ADVERTÊNCIA LOCALIZADA NA PARTE INTERNA DA UNIDADE.

② 警告标签，贴于机内

②   لاصقة التحذير، موضوع بداخل الجهاز

```
CLASS    1
LASER    PRODUCT
```

DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**VARNING:** Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)	**ADVARSEL:** Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling (d)	**VARO:** Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen. (f)

---

1. CLASS 1 LASER PRODUCT
2. **DANGER**: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION**: Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

1. PRODUCTO LÁSER CLASE 1
2. **PELIGRO**: En el interior hay radiación láser invisible. Evite el contacto directo con el haz.
3. **PRECAUCIÓN**: No abra la tapa superior. En el interior de la unidad no existen piezas reparables por el usuario; deje todo servicio técnico en manos de personal calificado.

1. PRODUTO LASER CLASSE 1
2. **PERIGO**: O laser emite uma rediação invisível que é perigosa, caso o aparelho esteja aberto e a trava inoperante ou danificada. Evite exposição direta ao feixe dos raios.
3. **CUIDADO**: Não abra a caixa do aparelho. Não existem peças reparáveis pelo usuário na parte interna da unidade. Solicite assistência técnica somente a pessoal técnico qualificado.

1. 一级雷射产品
2. **危险**：当内部锁定装置失效或者损坏后，打开盖板可能会产生不可见的雷射幅射。应避免受到光束直接照射。
3. **注意**：请勿打开顶盖板。本机内部没有用户可自行维修的部件；所有维修工作应由有资格的人员完成。

١. صنف ١ منتج ليزري
٢. **خطر**: أشعة ليزرية غير مرئية عند الفتح والأغلاق الفاشل أو غير الصحيح. تجنب التعرض المباشر للاشعة.
٣. **تحذير**: لا تفتح الغطاء العلوي. ليس في داخل الجهاز أقسام بمستطاع المستخدم صيانتها؛ إعهد بكافة الأعمال الصيانية لفني مختص.

Introduction

We would like to thank you for purchasing one of our JVC products. Before operating this unit, read this manual carefully and thoroughly to obtain the best possible performance from your unit, and retain this manual for future reference.

About This Manual

This manual is organized as follows:

- **The manual mainly explains operations using the buttons and controls on the unit. You can also use the buttons on the remote control if they have the same or similar names (or marks) as those on the unit. If operation using the remote control is different from that using the unit, it is then explained.**
- Basic and common information that is the same for many functions is grouped in one place, and is not repeated in each procedure. For instance, we do not repeat the information about turning on/off the unit, setting the volume, changing the sound effects, and others, which are explained in the section "Common Operations" on pages 9 and 10.
- The following marks are used in this manual:

    Gives you warnings and cautions to prevent from a damage or risk of fire/electric shock. Also gives you information which is not good for obtaining the best possible performance from the unit.

    Gives you information and hints you had better know.

Precautions

Installation

- Install in a place which is level, dry and neither too hot nor too cold — between 5˚C (41˚F) and 35˚C (95˚F).
- Install the unit in a location with adequate ventilation to prevent internal heat built-up in the unit.
- Leave sufficient distance between the unit and the TV.
- Keep the speakers away from the TV to avoid interference with TV.

    DO NOT install the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or vibration.

Power sources

- When unplugging from the wall outlet, always pull the plug, not the AC power cord.

    DO NOT handle the AC power cord with wet hands.

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:
- After starting heating in the room
- In a damp room
- If the unit is brought directly from a cold to a warm place

Should this occur, the unit may malfunction. In this case, leave the unit turned on for a few hours until the moisture evaporates, unplug the AC power cord, and then plug it in again.
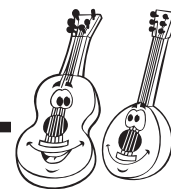
Others

- Should any metallic object or liquid fall into the unit, unplug the unit and consult your dealer before operating any further.
- If you are not going to operate the unit for an extended period of time, unplug the AC power cord from the wall outlet.

    DO NOT disassemble the unit since there are no user serviceable parts inside.
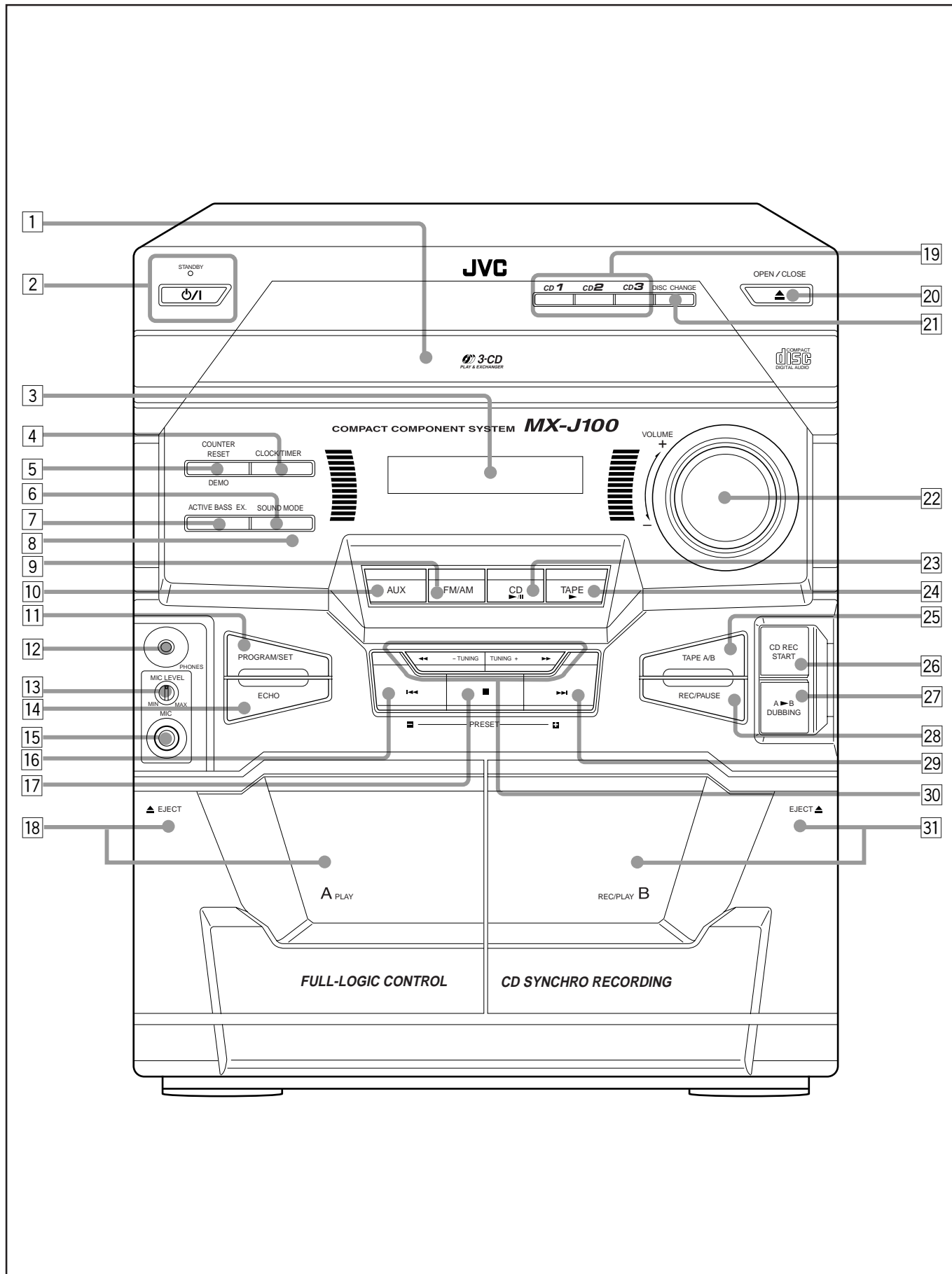
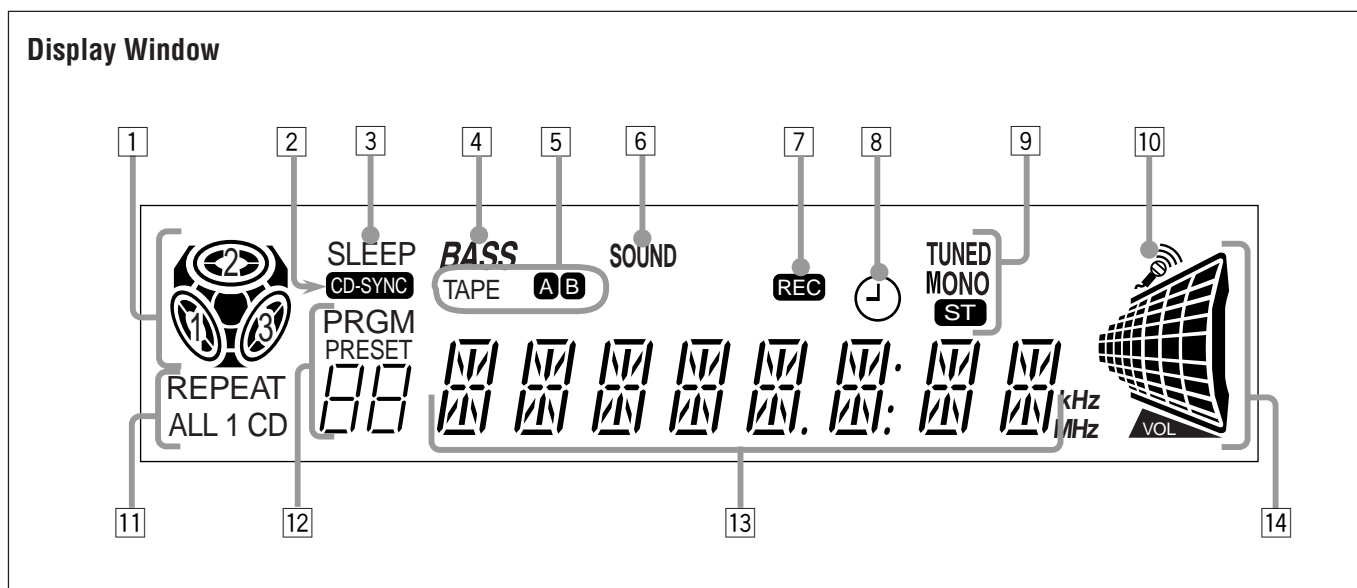If anything goes wrong, unplug the AC power cord and consult your dealer.

Contents

Location of the Buttons and Controls

Become familiar with the buttons and controls on your unit.

JVC

STANDBY

CD1 CD2 CD3 DISC CHANGE

OPEN / CLOSE

3-CD
PLAY & EXCHANGER

COMPACT
disc
DIGITAL AUDIO

COMPACT COMPONENT SYSTEM **MX-J100**

COUNTER
RESET   CLOCK/TIMER

DEMO

VOLUME
+
−

ACTIVE BASS EX.   SOUND MODE

AUX   FM/AM   CD ►/II   TAPE ►

PHONES

PROGRAM/SET

MIC LEVEL
MIN   MAX

ECHO

◄◄ − TUNING TUNING + ►►

TAPE A/B

CD REC
START

MIC

I◄◄   ■   ►►I

REC/PAUSE

A ►B
DUBBING

▬   − PRESET −   ➕

▲ EJECT

EJECT ▲

A PLAY

REC/PLAY B

FULL-LOGIC CONTROL   *CD SYNCHRO RECORDING*

Display Window

See pages in the parentheses for details.

Front Panel

1. Carousel
2. ⏻ (standby/on) button and STANDBY lamp (9)
3. Display window
4. CLOCK/TIMER button (9, 16)
5. COUNTER RESET button (15)
   DEMO button (8)
6. SOUND MODE button (10)
7. ACTIVE BASS EX. (extension) button (10)
8. Remote sensor
9. FM/AM button (11)
   Pressing this button also turns on the unit.
10. AUX button (9)
    Pressing this button also turns on the unit.
11. PROGRAM/SET button (9, 13, 16)
12. PHONES jack (10)
13. MIC LEVEL control (16)
14. ECHO button (16)
15. MIC jack (16)
16. PRESET – button (11)
    ⏮ (reverse search) button (9, 13, 16)
17. ■ (stop) button (12, 13, 15)
18. Deck A cassette holder (14)
    • Pressing the ▲ EJECT portion open the holder.
19. Disc number buttons (CD 1, CD 2, CD 3) (12)
    Pressing one of these buttons also turns on the unit.
20. OPEN/CLOSE ▲ button (12)
    Pressing this button also turns on the unit.
21. DISC CHANGE button (12, 13)
22. VOLUME control (10)
23. CD ▶/❚❚ (play/pause) button (12)
    Pressing this button also turns on the unit.
24. TAPE ▶ button (14)
    Pressing this button also turns on the unit.
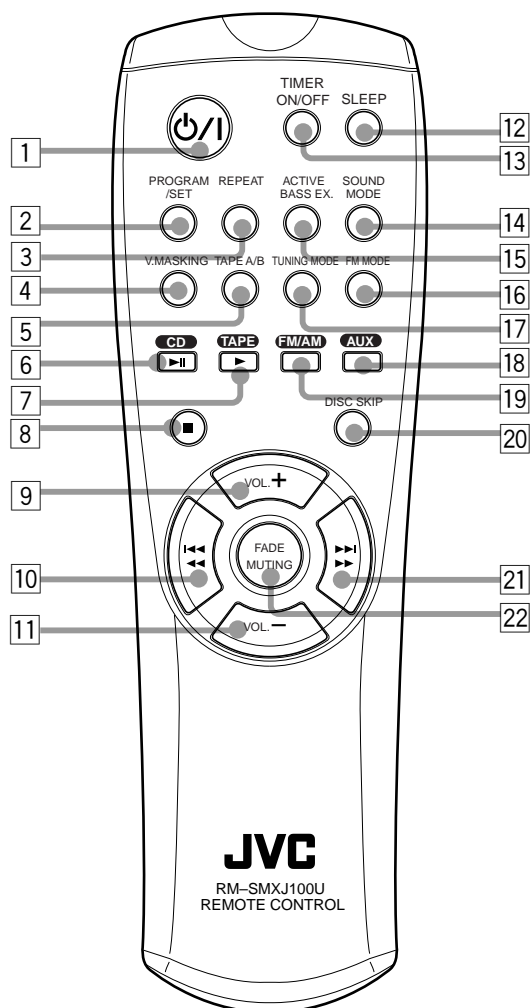25. TAPE A/B button (14)

26. CD REC START button (15)
27. A ▶ B DUBBING button (15)
28. REC/PAUSE button (15)
29. PRESET + button (11)
    ▶▶❙ (forward search) button (9, 13, 16)
30. TUNING + / – buttons (11)
    ◀◀ / ▶▶ (fast left/fast right) buttons (13, 14)
31. Deck B cassette holder (15)
    • Pressing the EJECT ▲ portion open the holder.

Display window

1. Disc indicators
2. CD-SYNC indicator
3. SLEEP indicator
4. BASS indicator
5. Tape operation indicators
   • TAPE A/B (operating deck) indicators
6. SOUND indicator
7. REC indicator
8. ⏱ (timer) indicator
9. Tuner operation indicators
   • TUNED, MONO and ST (stereo) indicators
10. Karaoke (🎤) and echo (〰) indicators
11. CD play mode indicators
    • REPEAT and (ALL/1/CD) indicators
12. PRESET and PRGM (program) number indicators
13. Main display
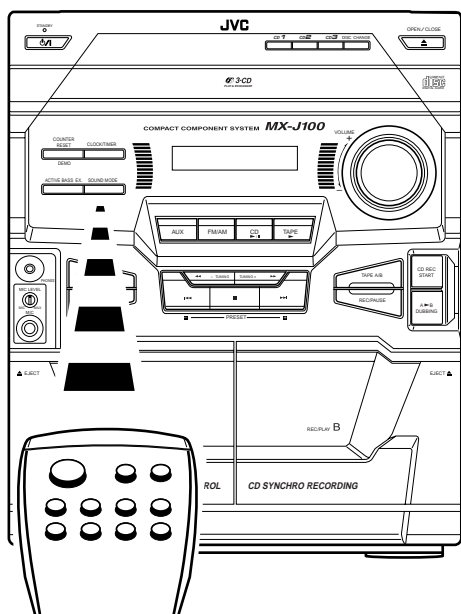   • Shows the source name, frequency, etc.
14. Volume level indicators

– 4 –

Remote Control

RM–SMXJ100U
REMOTE CONTROL

When using the remote control, point it at the remote sensor on the front panel.

Remote Control

1. ⏻/| (standby/on) button (9)
2. PROGRAM/SET button (9)
3. REPEAT button (12)
4. V.MASKING button (16)
5. TAPE A/ B button (14)
6. CD ►II button (12)
   Pressing this button also turns on the unit.
7. TAPE ► button (14, 15)
   Pressing this button also turns on the unit.
8. ■ (stop) button (12, 13, 15)
9. VOL. + button (10)
10. I◄◄ / ◄◄ (reverse search/fast rewind) button (11, 13, 14)
11. VOL. – button (10)
12. SLEEP button (18)
13. TIMER ON/OFF button (18)
14. SOUND MODE button (10)
15. ACTIVE BASS EX. (extension) button (10)
16. FM MODE button (11)
17. TUNING MODE button (11)
18. AUX button (9)
    Pressing this button also turns on the unit.
19. FM/AM button (11)
    Pressing this button also turns on the unit.
20. DISC SKIP button (12)
21. ►►I / ►► (forward search/fast forward) button (11, 13, 14)
22. FADE MUTING button (10)

– 5 –

Getting Started

Unpacking

After unpacking, check to be sure that you have all the following items.
The number in the parentheses indicates the quantity of the pieces supplied.

• AM loop antenna (1)
• FM antenna (1)
• Remote control (1)
• Batteries (2)
• AC plug adaptor (1)

If any is missing, consult your dealer immediately.

Putting the Batteries into the Remote Control

Insert the batteries — UM-4/AAA/IEC R03 — into the remote control, by matching the polarity (+ and –) on the batteries with the + and – markings on the battery compartment.
When the remote control can no longer operate the unit, replace both batteries at the same time.

1

2

UM-4/AAA/IEC R03

3
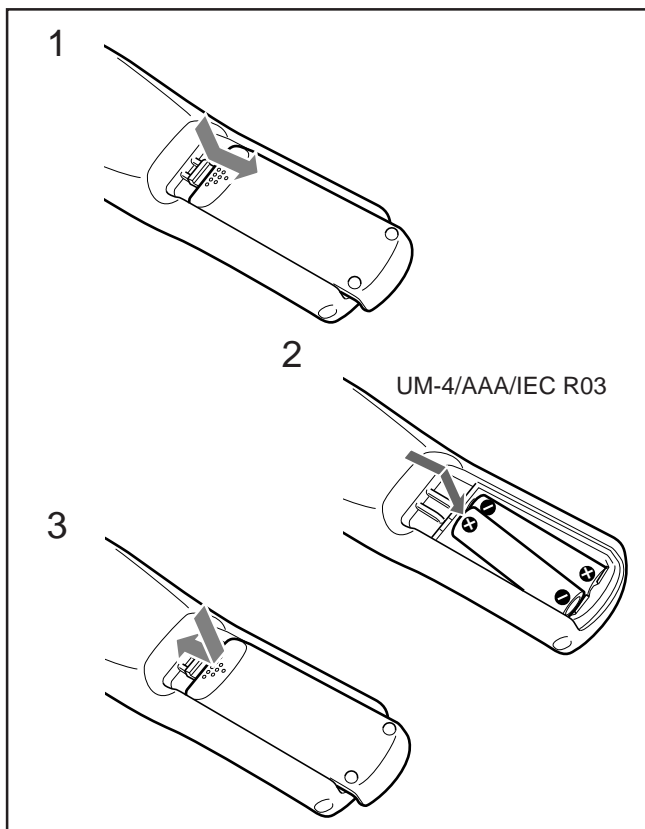
STOP!
• DO NOT use an old battery together with a new one.
• DO NOT use different types of batteries together.
• DO NOT expose batteries to heat or flame.
• DO NOT leave the batteries in the battery compartment when you are not going to use the remote control for an extended period of time. Otherwise, it will be damaged from battery leakage.

Connecting Antennas

FM antenna

FM antenna (supplied)
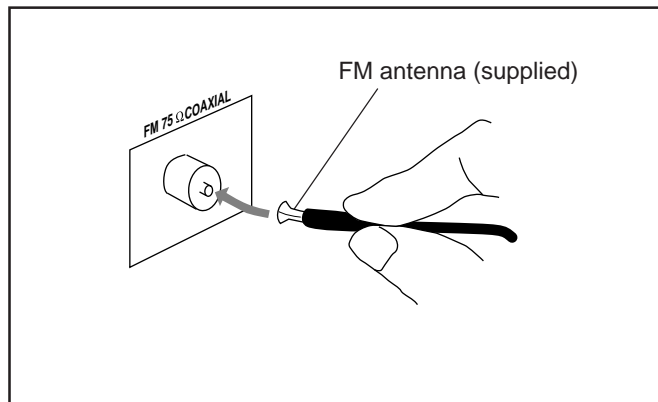
FM 75 Ω COAXIAL

1 **Attach the FM antenna to the FM 75 Ω COAXIAL terminal.**

2 **Extend the FM antenna.**

3 **Fasten it up in the position which gives you the best reception, then fix it on the wall, etc.**

notes   **About the supplied FM antenna**
The FM antenna supplied with this unit can be used as temporary measure. If reception is poor, you can connect an outdoor FM antenna.

To connect an outdoor FM antenna
Before connecting it, disconnect the supplied FM antenna.

Outdoor FM antenna (not supplied)

FM 75 Ω COAXIAL

A 75 Ω antenna with coaxial type connector should be used.

AM antenna

AM ANT
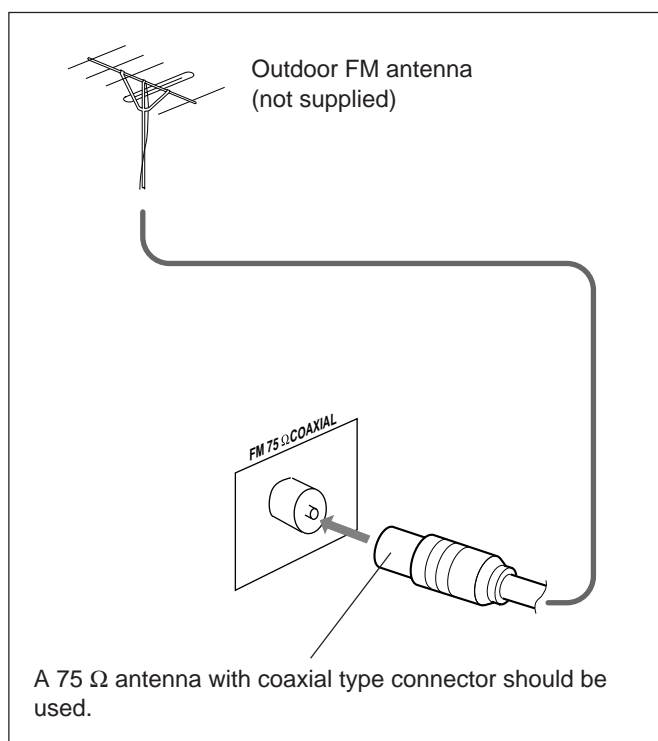
AM loop antenna
(supplied)
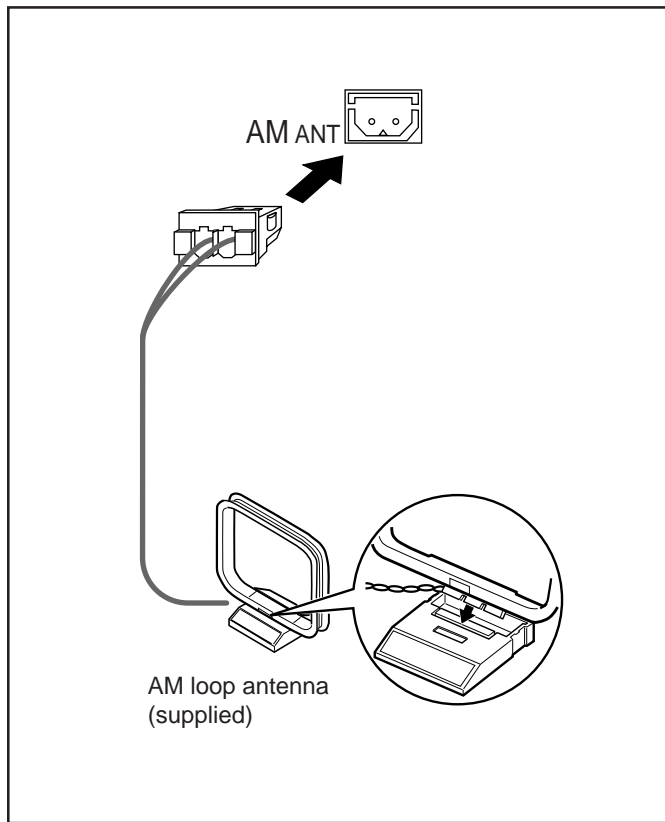
1 **Connect the AM loop antenna to the AM ANT terminal as illustrated.**

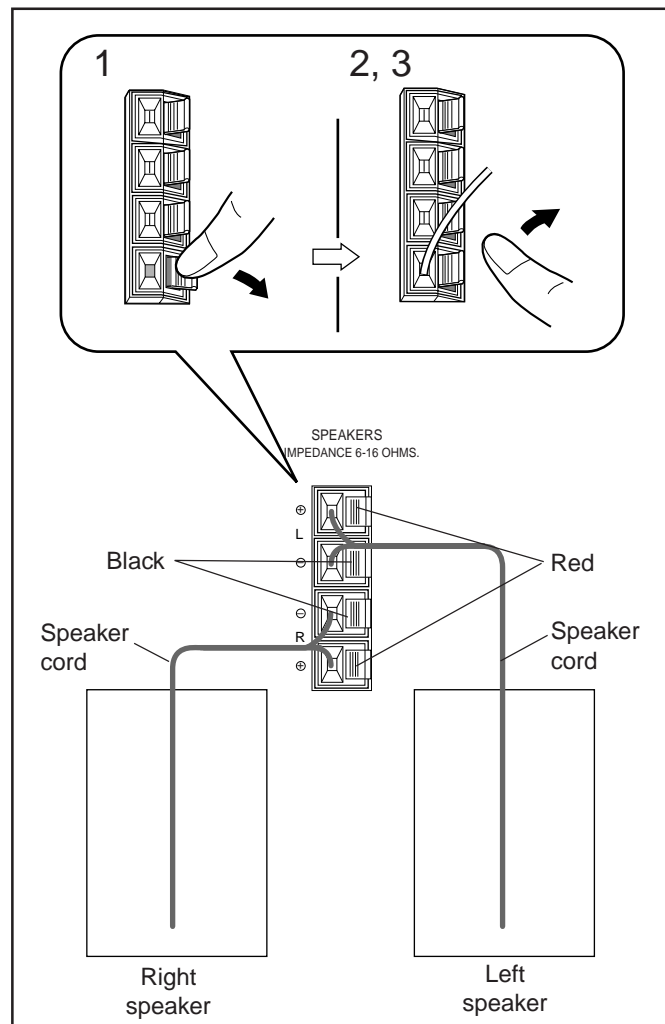2 **Turn the AM loop antenna until you have the best reception.**

notes

For better reception of both FM and AM
• Make sure the antenna conductors do not touch any other terminals and connecting cords.
• Keep the antennas away from metallic parts of the unit, connecting cords, and the AC power cord.

Connecting Speakers

You can connect a pair of the front speakers.

1   2, 3

SPEAKERS
IMPEDANCE 6-16 OHMS.

Black   Red

Speaker   Speaker
cord   cord

Right   Left
speaker   speaker

1 **Press and hold the clamp of the speaker terminal on the rear of the unit.**

2 **Insert the end of the speaker cord into the terminal.**
Match the polarity of the speaker terminals: Red (+) to red (+) and black (–) to black (–).

3 **Release the finger from the clamp.**

IMPORTANT: Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the unit.

Connecting Other Equipment

You can connect an audio equipment — used only as a playback device.
When you connect and use this equipment, refer also to its manual.

Be sure that the plugs of the audio cords are color coded: White plugs and jacks are for left audio signals, and red ones for right audio signals.

> **STOP!**
> • DO NOT connect any equipment while the power is on.
> • DO NOT plug in any equipment until all connections are complete.

To connect audio equipment

Audio equipment
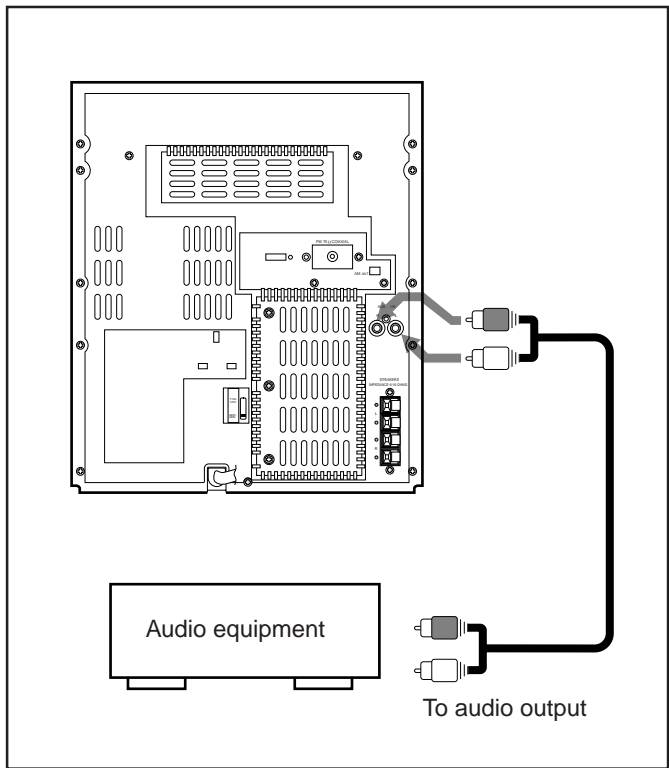
To audio output

Connect the audio output jacks on the other equipment and the AUX IN jacks on the rear, using an audio cord (not supplied).

Adjusting the Voltage Selector

Before plugging in the unit, set the correct voltage for your area with the voltage selector on the rear of the unit.

> **STOP!**
> • DO NOT plug in before setting the voltage selector on the rear of the unit and all connection procedures are complete.

110V-
127V

220V-
240V
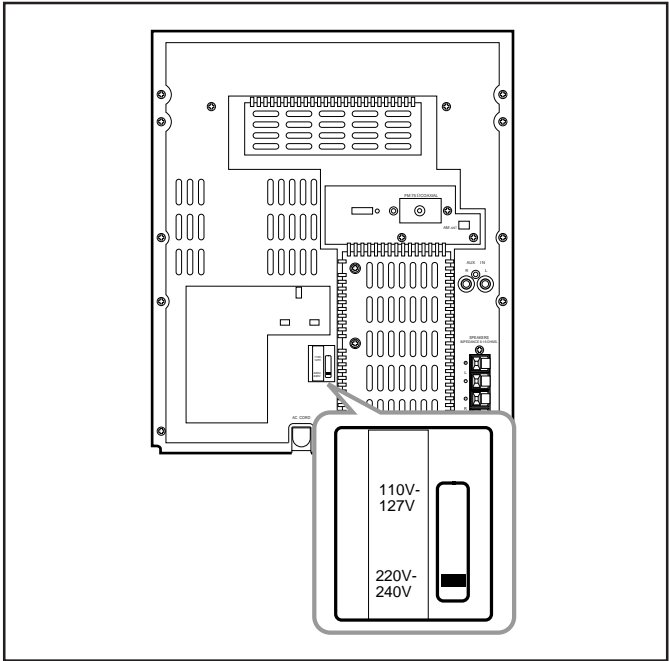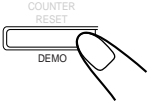
Using a tool with sharp tips such as a ballpoint pen, set the voltage selector to the correct voltage range position matching your local voltage. (See the back cover page.)

NOW, you can plug in the unit and other connected equipment FINALLY!

To a wall outlet
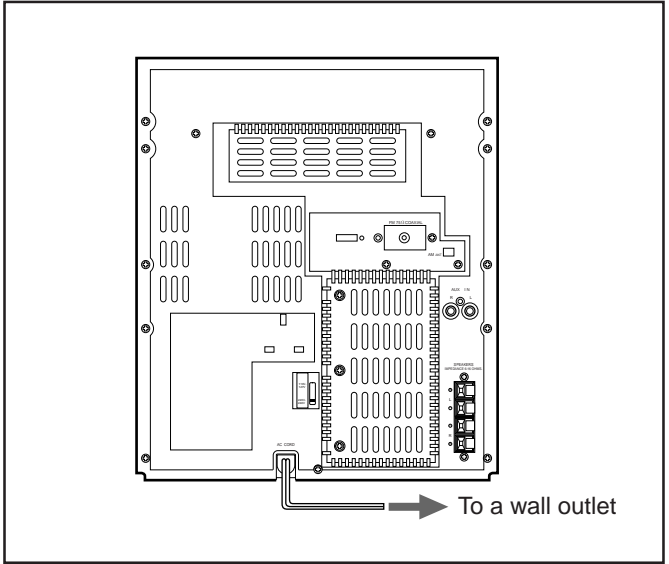
> **To start the display demonstration**
> **Press DEMO while the unit is turned off (on stand by).**
>
> COUNTER
> RESET
>
> DEMO
>
> **To stop the display demonstration,** press any button.

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Common Operations

Setting the Clock

Before operating the unit any further, first set the clock built in this unit.
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
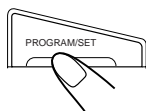- If you want to stop clock setting, press CLOCK/TIMER once or wait until the time limit of 15 seconds comes.

1 Press CLOCK/TIMER twice.
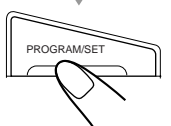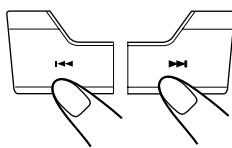The "CLOCK" appears on the display.

CLOCK/TIMER

CLOCK

2 Press PROGRAM/SET.
The hour digits start flashing on the display.

PROGRAM/SET

0:00

3 Press ⏮ **or** ⏭ **to adjust the hour, then press PROGRAM/SET.**
After hour digits are set, the minute digits start flashing on the display.

5:00

PROGRAM/SET

4 Press ⏮ **or** ⏭ **to adjust the minute, then press PROGRAM/SET.**

PROGRAM/SET
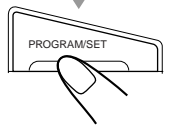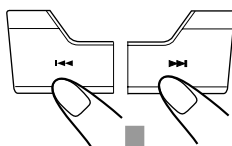
5 Press CLOCK/TIMER twice to finish the clock setting.

CLOCK/TIMER

To check the clock time
Press CLOCK/TIMER while playing any source. The clock time appears on the display for a while.
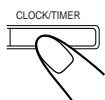
CLOCK/TIMER

To adjust the clock again
If you have adjusted the clock before, you need to press CLOCK/TIMER until the "CLOCK" is selected.
- Each time you press the button, the clock/timer setting modes change as follows:

Clock time → CLOCK
↑ ↓
🕐 REC ← 🕐 TIMER
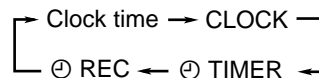
notes **If there is a power failure**
The clock loses the setting and is reset to "0:00." You need to set the clock again.

## Turning On the Power and Selecting the Sources

When you press the play button for a particular source (AUX, FM/AM, CD ▶/❚❚, and TAPE ▶), the unit turns on (and the unit starts playing the source if it is ready — COMPU PLAY CONTROL).

To listen to the FM/AM broadcasts, press FM/AM. (See page 11.)
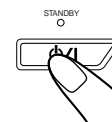**To play back CDs,** press CD ▶/❚❚. (See pages 12 and 13.)
To play back tapes, press TAPE ▶. (See page 14.)
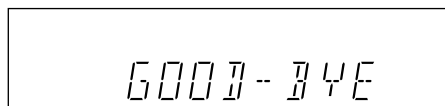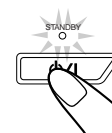**To select the external equipment as the source,** press AUX.

AUX   FM/AM   CD ▶/❚❚   TAPE ▶
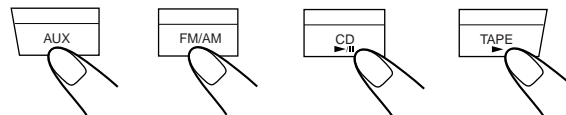
To turn on the unit without playing, press ⏻/❙ (standby/on) so that the STANDBY lamp goes off.

STANDBY

HELLO

To turn off the unit (on standby), press ⏻/❙ (standby/on) again so that the STANDBY lamp lights up.
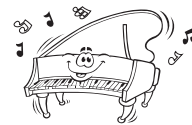
STANDBY

GOOD-BYE

A little power is always consumed even while the unit is on standby.
To switch off the power supply completely, unplug the AC power cord from the AC outlet.

notes **When you unplug the AC power cord or if a power failure occurs**
The clock is reset to "0:00" right away, while the tuner preset stations (see page 11) will be erased in a few days.

Setting the AM Tuner Interval Spacing

Some countries space AM stations 9 kHz apart, and some countries use 10 kHz spacing.

On the unit ONLY:
When shipped , the unit is set to 9 kHz spacing.

To select 10 kHz interval, press ⏻/| while holding down TUNING + when the unit is in standby mode. "AM --10" appears on the display.
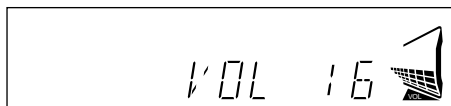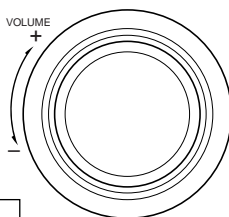
To change back to 9 kHz, press ⏻/| while holding down TUNING – when the unit is in standby mode. "AM --9" appears on the display.
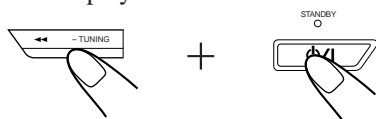
Adjusting the Volume

You can adjust the volume level only while the unit is turned on.

Turn VOLUME clockwise to increase the volume or counterclockwise to decrease it.

VOL   16

When using the remote control, press VOL. + to increase the volume or press VOL. – to decrease it.

notes **For private listening**
Connect a pair of headphones to the PHONES jack. No sound comes out of the speakers. Be sure to turn down the volume before connecting or putting on headphones on the unit.

STOP! DO NOT turn off (on standby) the unit with the volume set to an extremely high level; otherwise, a sudden blast of sound can damage your hearing, speakers and/or headphones when you turn on the unit or start playing any source next time. REMEMBER you cannot adjust the volume level while the unit is on standby.

To turn down the volume level temporarily
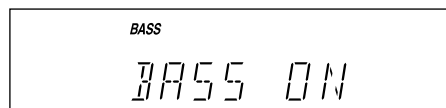Press FADE MUTING on the remote control.

VOL   16   ➡   VOL   0
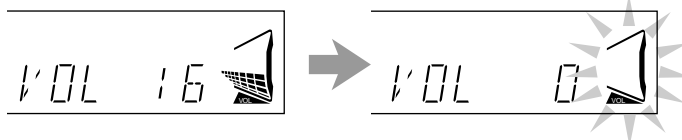
**To restore the sound,** press the button again.

Reinforcing the Bass Sound

The richness and fullness of the bass sound is maintained regardless of how low you set the volume.
You can use this effect only for playback.

To get the effect, press ACTIVE BASS EX. so that the BASS indicator appears on the display.

BASS
BASS ON

To cancel the effect, press the button again so that the indicator also goes off.

BASS OFF
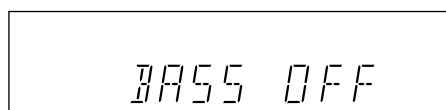
Selecting the Sound Modes

You can select one of the 3 preset sound modes (3 SEA – Sound Effect Amplifier – modes). The sound modes can be applied only to playback sounds, and cannot be used for recording.

To select the sound modes, press SOUND MODE until the sound mode you want appears on the display. The SOUND indicator also lights up on the display.
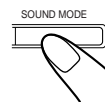
SOUND
ROCK

• Each time you press the button, the sound modes change as follows:

ROCK → POP → CLASSIC
OFF
(Canceled)
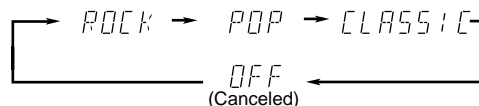
SEA modes:
ROCK: Boosts low and high frequency. Good for acoustic music.
POP: Good for vocal music.
CLASSIC: Good for classical music.

OFF: Cancels the sound mode.

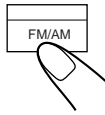# Listening to FM and AM Broadcasts

Tuning in a Station

1 Press FM/AM.

The unit automatically turns on and tunes in the previously tuned station (either FM or AM).
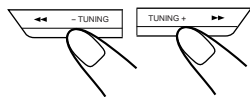
FM/AM

- Each time you press the button, the band alternates between FM and AM.

2 Select a station.

On the unit:
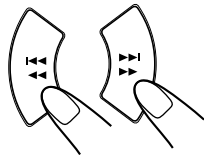**Press and hold TUNING – or TUNING + for more than 1 second.**

◄◄ – TUNING   TUNING + ►►

On the remote control:

1) **Press TUNING MODE so that "MANUAL" appears on the display.**

TUNING MODE

2) **Press and hold |◄◄/◄◄ or ►►|/►► for more than 1 second.**

The unit starts searching for stations and stops when a station of sufficient signal strength is tuned in.
If a program is broadcast in stereo, the ST (stereo) indicator lights up.

To stop during searching, press TUNING – or TUNING + (or |◄◄/◄◄ or ►►|/►► on the remote control).

notes **When you press TUNING – or TUNING + (or |◄◄/◄◄ or ►►|/►► on the remote control) briefly and repeatedly**
The frequency changes step by step.

To change the FM reception mode

When an FM stereo broadcast is hard to receive or noisy, press FM MODE on the remote control so that the MONO indicator lights up on the display. Reception improves.

FM MODE

To restore the stereo effect, press FM MODE again so that the MONO indicator goes off.
In this stereo mode, you can hear stereo sounds when a program is broadcast in stereo.
The FM reception mode is restored even when the unit is turned off.

Presetting Stations

You can preset 30 FM, 15 AM stations.
In some cases, test frequencies have been already memorized for the tuner since the factory examined the tuner preset function before shipment. This is not a malfunction. You can preset the stations you want into memory by following the presetting method.
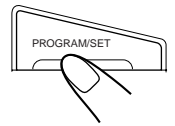
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

1 Tune in the station you want to preset.
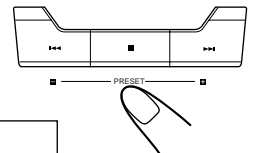
- See "Tuning in a Station" to the left.

$$FM \; 87.50_{MHz}$$
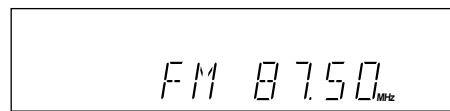
2 Press PROGRAM/SET.

PROGRAM/SET

PRGM

The PRGM flashes on the display.

3 Press PRESET – or + to select a preset number.

|◄◄   ■   ►►|
■ — PRESET — ■

PRGM
1

4 Press PROGRAM/SET again.

The tuned station in step 1 is stored in the preset number selected in step 3.

PROGRAM/SET

- Storing a new station on a used number erases the previously stored one.
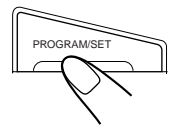
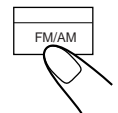*notes* **When you unplug the AC power cord or if a power failure occurs**
The preset stations will be erased in a few days. If this happens, preset the stations again.

Tuning in a Preset Station

1 Press FM/AM.

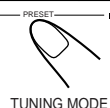The unit automatically turns on and tunes in the previously tuned station (either FM or AM).

FM/AM

- Each time you press the button, the band alternates between FM and AM.
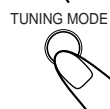
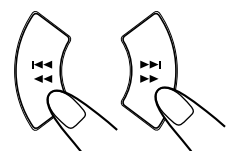### 2 Select a preset number.

On the unit:
Press PRESET – or +.

|◄◄   ■   ►►|
■ — PRESET — ■

On the remote control:

1) **Press TUNING MODE so that "PRESET" appears on the display.**

TUNING MODE

2) **Press |◄◄/◄◄ or ►►|/►►.**

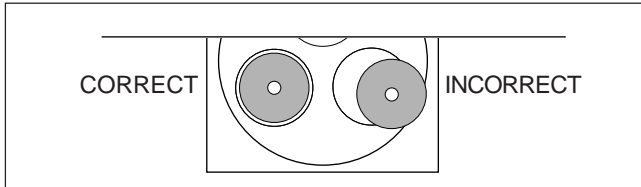# Playing Back CDs

Loading CDs

1 Press OPEN/CLOSE ⏏ on the unit.

The unit automatically turns on and the carousel comes out.
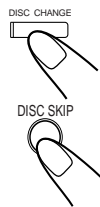
OPEN / CLOSE
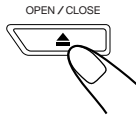
2 Place one or two discs correctly on the front slots of the carousel, with its label side up.

CORRECT   INCORRECT

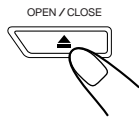• When using a CD single (8 cm), place it on the inner circle of the disc tray.

3 If you wish to load a third disc, press DISC CHANGE on the unit (or DISC SKIP on the remote control).
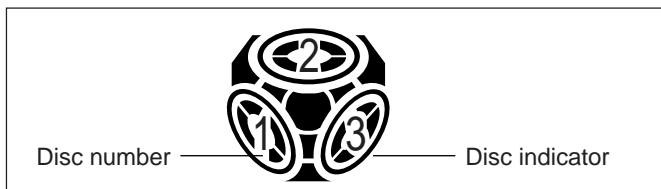
The carousel rotates by 120˚.

DISC CHANGE

DISC SKIP

4 Press OPEN/CLOSE ⏏ again.

The carousel closes, and the corresponding disc number indicator (disc 1 to disc 3) lights up on the display.

OPEN / CLOSE

📝 **About the disc indicators**

Each disc indicator corresponds to the disc tray of the same number.

Disc number ———— Disc indicator

• The disc indicator flashes while the corresponding CD is currently selected.
• The disc indicator goes off when the unit has detected that there is no CD on the corresponding disc tray.
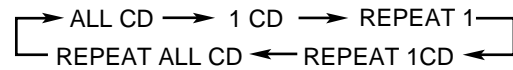
Playing Back CDs

You can play CDs continuously.

1 Load CDs.

2 Press REPEAT on the remote control to select a play mode you want.

Each time you press the button, play modes change as follows:

REPEAT

```
  ┌─► ALL CD ──► 1 CD ──► REPEAT 1─┐
  └─ REPEAT ALL CD ◄── REPEAT 1CD ◄─┘
```

ALL CD: Plays all loaded CD. (**When you turned on the unit, "ALL CD" is automatically selected.**)
1CD: Plays back one CD.
REPEAT 1: Repeats one track on one CD.
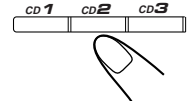**REPEAT 1CD***: Repeats all the tracks on one CD.
REPEAT ALL CD: Repeats all the tracks on all the CDs , or all the tracks in the program.
*REPEAT 1CD is not used for Program play.

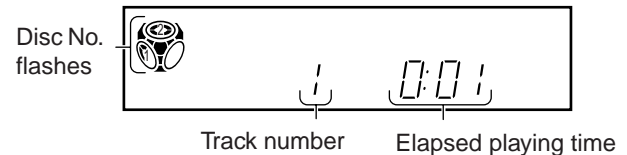### 3 Select the disc you want to start play from.

On the unit :
Press one of the disc number buttons (CD 1, CD 2, and CD 3).

On the remote control :
Press DISC SKIP repeatedly.
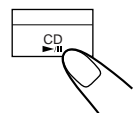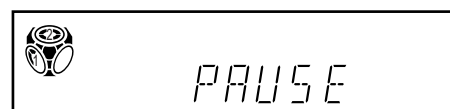
CD play starts from the first track of the selected disc.

CD1 CD2 CD3

DISC SKIP

Disc No. flashes

Track number   Elapsed playing time

• Pressing CD ▶/❚❚ instead of the disc number buttons starts playing back if a CD is on the trays.

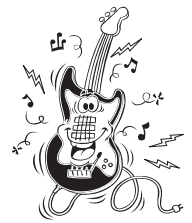**To stop during play,** press ■.

To stop play for a moment

Press CD ▶/❚❚.

CD ▶/❚❚

PAUSE

"PAUSE" appears on the display.

To resume play, press CD ▶/❚❚ again.

To remove the disc, press OPEN/CLOSE ⏏.

Basic CD Operations

While playing a CD, you can do the following operations.
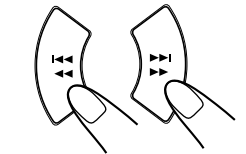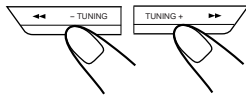
To exchange CDs during playback of another
Press DISC CHANGE to eject and exchange the CD.

To locate a particular point in a track
During play, press and hold ◄◄ or ►►.

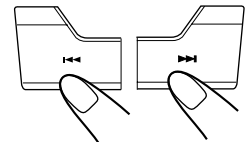• ◄◄ : Fast reverses the disc.
• ►► : Fast forwards the disc.
When using the remote control, press and hold I◄◄ / ◄◄ or ►►I / ►►.

To go to another track
Press I◄◄ or ►►I repeatedly before or during playback.
• I◄◄: Goes back to the beginning of the current or previous tracks.
• ►►I: Skips to the beginning of the next or succeeding tracks.
When using the remote control, press I◄◄ / ◄◄ or ►►I / ►► before playing.

If you press and hold I◄◄ / ►►I on the unit
You can change the tracks continuously.

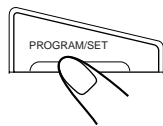## Programming the Playing Order of the Tracks — Program Play

You can arrange the order in which the tracks play before you start playing. **You can program up to 24 tracks**.
• To repeat the program, select "REPEAT ALL CD" by pressing REPEAT repeatedly.

1 Load discs.
• If the current playing source is not the CD player, press CD ►/II, then ■ before going to the next step.
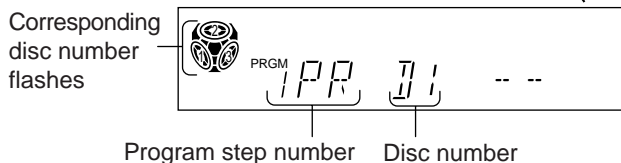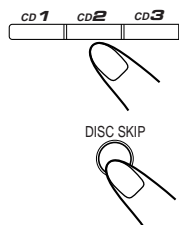
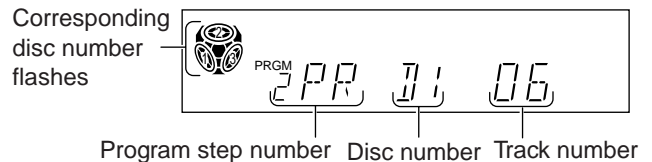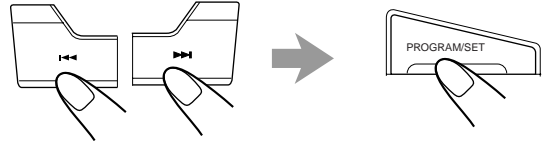### 2 Press PROGRAM/SET.

3 Select the disc number.
On the unit:
Press one of the disc number buttons (CD 1, CD 2, and CD 3).
On the remote control:
Press DISC SKIP repeatedly.

Corresponding disc number flashes

PRGM
1 PR J1 -- --

Program step number   Disc number

4 Press I◄◄ or ►►I (or I◄◄ / ◄◄ or ►►I / ►► on the remote control) to select the track number, then press PROGRAM/SET.

Corresponding disc number flashes

PRGM
2 PR J1 06

Program step number   Disc number   Track number

5 Program other tracks you want.
• To program tracks from the same disc, repeat step 4.
• To program tracks from a different disc, repeat steps 3 and 4.

6 Press CD ►/II.
The tracks are played in the order you have programed.

To add more tracks into the program
Press PROGRAM/SET.
You can add the tracks into the program before or after play. If you have already programed all 24 tracks, you cannot add more. If you do, it will overwrite the 1st track and so on.
• You cannot erase or modify the programmed tracks.
• If you want to modify the program, erase all the program and start from the beginning.

To stop during play, press ■.

To erase the entire program before or after play, press ■.
• Ejecting the Carousel will also erase the program.
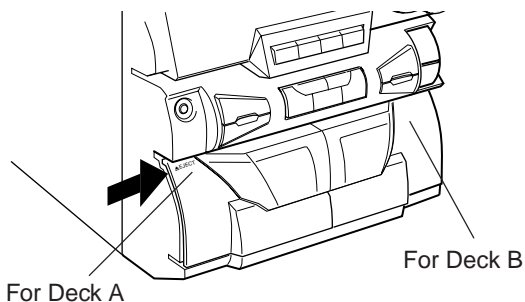
If your entry is ignored
You have tried to program a track from an empty tray, or a track number that does not exist on the CD (for example, selecting track 14 on a CD that only has 12 tracks). Such entries are ignored.
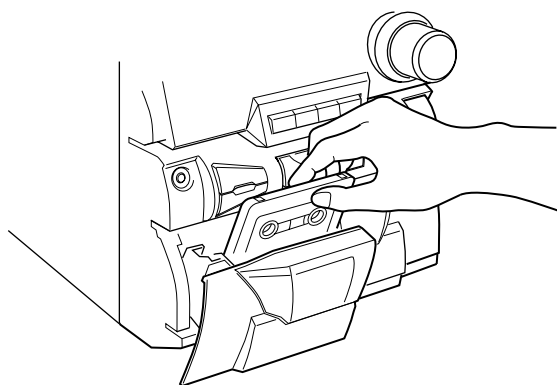
Playing Back Tapes

Playing Back a Tape

1 Press EJECT (⏏) for the deck you want to use.

For Deck A

For Deck B

2 Put a cassette in, with the exposed part of the tape down.
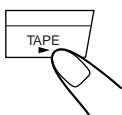• You can play back only the type I tapes.

3 Close the cassette holder gently.
If you put cassettes in both decks A and B, the deck which you have put a cassette into last is selected.
To operate the other deck, press TAPE A/B.

4 Press TAPE ▶.
The tape play starts.

TAPE
▶

When the tape plays to the end, the deck automatically stops .

To stop during play, press ■.

To operate the other deck, press TAPE A/B, then TAPE ▶.

To fast-forward the tape, press ▶▶ (or ▶▶| / ▶▶ on the remote control).

To rewind the tape, press ◀◀ (or |◀◀ / ◀◀ on the remote control).

To remove the cassette, press ⏏ EJECT for deck A or EJECT ⏏ for deck B.
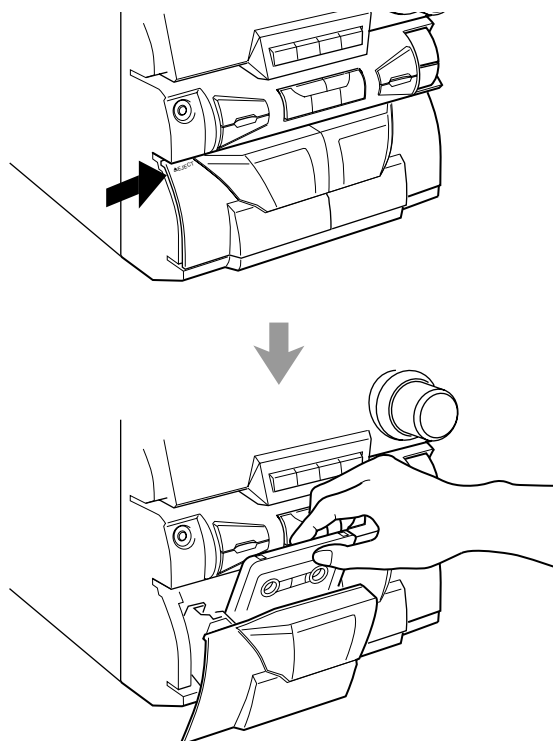
⚠ STOP! The use of the C-120 or thinner tape is not recommended, since characteristic deterioration may occur and this tape easily jams in the pinch-rollers and the capstans.

Recording

IMPORTANT:
- **It may be unlawful to record or play back copyrighted material without the consent of the copyrighted owner.**
- The recording level is automatically set correctly, so it is not affected by the VOLUME control. Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
- While recording, you can hear tunes with sound modes and/or the active bass extension effect through the speakers or headphones. However, the sound is recorded without these effects (see page 10).
- If the sound recorded have excessive noise or static, the unit may be too close to a TV. Please separate the TV from the unit.
- You can use only type I tapes for recording.

Recording Tapes on Deck B

1 **Press EJECT ▲ for the deck B.**
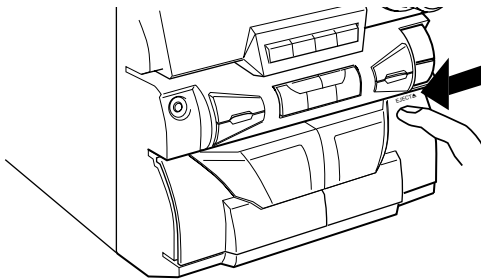
2 **Put in a recordable cassette, with the exposed part of the tape down.**

3 **Close the cassette holder gently.**

4 **Start playing the source — FM, AM, CD player, or auxiliary equipment connected to AUX jacks.**
- When the source is CD, you can also use CD Direct Recording.

5 **Press REC/PAUSE.**
Start recording.
The REC indicator lights up on the display and recording starts.
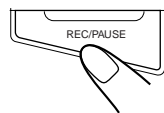
To stop during recording, press ■.

To stop recording temporarily, press REC/PAUSE on the unit. The REC indicator starts flashing on the display.
To resume recording, press REC/PAUSE again.

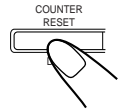**To remove the cassette,** press EJECT ▲ for deck B.

Resetting the Tape Counter

If you wish to take a note on the counter value at the beginning of each track, reset the counter before starting a recording.

Press COUNTER RESET on the unit to reset the counter.
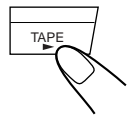The counter reading becomes "0000."
- The counter reading also becomes "0000" when the unit is turned off (stands by).

Dubbing Tapes
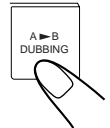
1 **Press TAPE ►, then ■.**

2 **Put the source cassette in deck A, and a recordable cassette into deck B.**

3 **Press A ► B DUBBING.**
Dubbing starts.
"DUBBING" and REC indicators light up on the display.

To stop during dubbing, press ■.

**To remove the cassette,** press ▲ EJECT for deck A and EJECT ▲ for deck B.

CD Direct Recording

Everything on the CD goes onto the tape in the order it is on the CD, or according to the order you have made for Program play.

1 **Put a recordable cassette into deck B.**

2 **Place a disc correctly on the circle of the disc tray, with its label side up.**

3 **Press one of the disc number buttons (CD 1 to CD 3) to select the disc, then ■.**
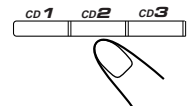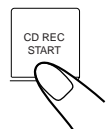
4 **Press CD REC START.**
"SYNCHRO" appears, and the CD-SYNC, REC and 1CD indicator light up on the display.
Deck B starts recording and the CD player starts playing.
When the recording is done, the CD player and deck B stop.

To stop during CD Direct Recording, press ■.

To remove the cassette, press EJECT ▲ for deck B.

Using the Microphone

You can enjoy singing along and microphone mixing.
• The MIC LEVEL control adjustment is valid for microphone connected to the MIC jack.

IMPORTANT:
• Always set MIC LEVEL to MIN when connecting or disconnecting the microphone.
• When you do not use the microphone, keep the microphone unconnected.

Singing Along

Vocal Masking
Vocal Masking reduces the lead vocal of the playing source, and allows you to replace it by singing into the microphone as the music plays.

1 **Rotate MIC LEVEL to MIN.**

2 **Connect the microphone (not supplied) by plugging it into the MIC jack.**

3 **Start playing the source — CD, tape, or other connected component.**

4 **Press V. MASKING on the remote control.**
"V.MASK" appears on the display.

5 **Rotate MIC LEVEL and VOLUME controls as you sing into the microphone.**
• By pressing REC/PAUSE, you can record your singing along if you want. (For more details, see page 15.)
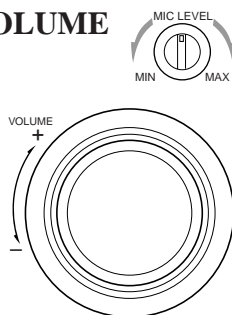
To apply an echo to your voice
Press ECHO on the front panel so that the echo indicator lights up on the display. Each time you press the button, the echo level changes as follows:

ECHO 1 → ECHO 2
(🎤) (🎤)

ECHO OFF
(Canceled)
(🎤)
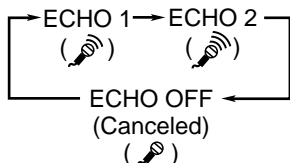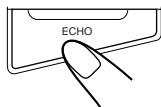
As the number increases, a stronger echo effect applies to your voice.

notes **If howling or squealing (feedback) occurs while using the microphone**
Take the following actions to prevent these noises.
• Adjust the MIC LEVEL and VOLUME controls
• Avoid pointing the microphone towards the speakers.

notes **If you use the following sources as the playing source for Vocal Masking, you cannot get the satisfactory results**
• Radio programs — a radio signal is not as reliable as the signals coming from a tape or CD.
• Monaural sources.
• Poorly dubbed tapes.
• Sources recorded with duets, strong echo, a chorus, or only a few instruments.

Microphone mixing
When you sing along with multiplex tapes or CDs, follow the procedure below:

On the unit ONLY:

1 **Rotate MIC LEVEL to MIN.**

2 **Connect the microphone (not supplied) by plugging it into the MIC jack.**

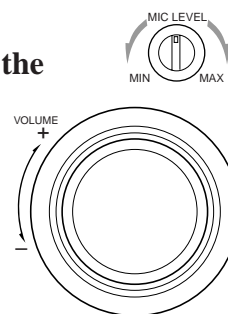**3** **Start playing the source — CD, tape or other connected component.**

4 **Rotate MIC LEVEL and VOLUME as you sing into the microphone.**
• By pressing REC/PAUSE, you can record your singing along if you want. (For more details, see page 15.)

To use microphone only
Without any background sound, you can use your microphone, and record it if you want.

1 **Rotate MIC LEVEL to MIN.**

2 **Connect the microphone (not supplied) by plugging it into the MIC jack.**

3 **Press CD ▶/Ⅱ, then ■.**
No background sound will be heard.

4 **Rotate MIC LEVEL and VOLUME as you sing or speak into the microphone.**
• By pressing REC/PAUSE, you can record your singing along if you want. (For more details, see page 15.)

– 16 –

Using the Timers

There are three timers available — Recording Timer, Daily Timer, and Sleep Timer.

Before using the timers, you need to set the clock built in the unit. (See page 9.)

Using Daily Timer

With Daily Timer, you can wake to your favorite music or radio program.

How Daily Timer actually works

The unit automatically turns on, set the volume level to the preset level, and starts playing the specified source when the on-time comes. Then, when the off-time comes, the unit automatically turns off (stands by).
The timer setting remains in memory until you change it.
• There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
• If you have made a mistake while setting timer, press CLOCK/TIMER twice and start from step 1 again.
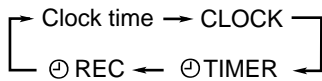
On the unit ONLY:

1 **Press CLOCK/TIMER until "⏰ TIMER" appears on the display.**
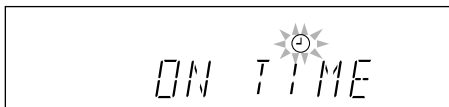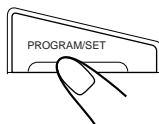The ⏰ indicator also starts flashing on the display.
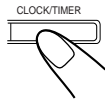
```
 0  TIMER
```

• Each time you press the button, the timer setting modes change as follows:

```
┌─ Clock time ─→ CLOCK ─┐
└─ ⏰REC ←─ ⏰TIMER ←─┘
```

2 **Press PROGRAM/SET.**
"ON TIME" appears for 2 seconds, then the unit enters on-time setting mode.
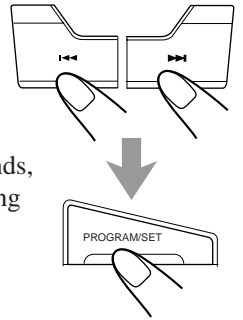
```
ON  TIME
```

```
0:00
```

3 **Set the on-time you want the unit to turn on.**
1) Press |◄◄ or ►►| to set the hour, then press PROGRAM/SET.
2) Press |◄◄ or ►►| to set the minute, then press PROGRAM/SET.
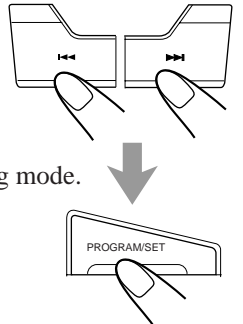"OFF TIME" appears for 2 seconds, then the unit enters off-time setting mode.

4 **Set the off-time you want the unit to turn off (on standby).**
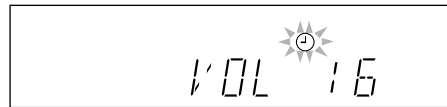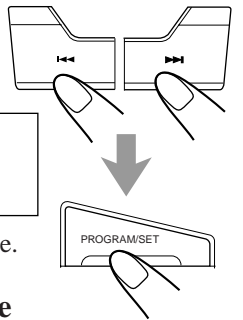1) Press |◄◄ or ►►| to set the hour, then press PROGRAM/SET.
2) Press |◄◄ or ►►| to set the minute, then press PROGRAM/SET.
The unit enters the volume setting mode.

5 **Set the volume level when the unit is turned on.**
Press |◄◄ or ►►| to set the volume, then press PROGRAM/SET.

```
VOL  16
```

The unit enters source selecting mode.

6 **Press |◄◄ or ►►| to select the source to play, then press PROGRAM/SET.**
• Each time you press |◄◄ or ►►|, the source changes as follows:

```
┌─→ FM  ←──→  AM ─┐
└─→ TAPE ←──→ CD ─┘
```
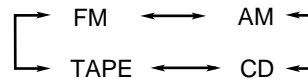
FM: tunes into a specified preset FM station. → go to step 7.
AM: tunes into a specified preset AM station. → go to step 7.
CD: plays a disc from the first track. → go to step 8.
• Make sure there is a CD on the currently selected disc number tray.
TAPE: plays a tape in deck A or B. → go to step 8.
• Make sure that a tape is in the deck whose deck indicator (A or B) is lit on the display.
• Make sure that the tape direction is correct.

7 When selecting "FM" or "AM."

Press I◀◀ or ▶▶I to select the preset station number, then press PROGRAM/SET.

The unit enters recording timer setting mode.

If you want to continue the Recording Timer setting, go to step 3 of the Recording Timer setting procedure.
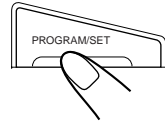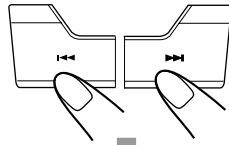
8 Press CLOCK/TIMER.

The ⏱ indicator stops flashing and remains lit.

If you have set the Daily Timer with the unit turned on, turn off the unit.
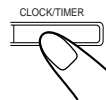
Using Recording Timer

With Recording Timer, you can make a tape of a radio broadcast automatically.

How Recording Timer actually works

The unit automatically turns on, tunes into the specified station, sets the volume level to the preset level and starts recording when the on-time comes. Then, when the off-time comes, the unit automatically turns off (stands by).

The timer setting remains in memory until you change it.

- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- If you have made a mistake while setting the timer, press CLOCK/TIMER once and start from step 1 again.

On the unit ONLY:

1 Put a recordable cassette into deck B.

2 Press CLOCK/TIMER until "⏱ REC" appears on the display.

The ⏱ indicator also starts flashing on the display.

```
 Ū  REC
```

- Each time you press the button, the timer setting modes change as follows:

```
  ┌─ Clock time ──► CLOCK ─┐
  └─ ⏱REC ◄── ⏱TIMER ◄──┘
```
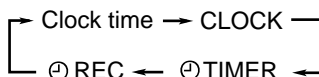
3 Press PROGRAM/SET.

"ON TIME" appears for 2 seconds, then the unit enters on-time setting mode.

```
 ON  TIME
```

```
 0:00
```

4 Set the on-time you want the unit to turn on.

1) Press I◀◀ or ▶▶I to set the hour, then press PROGRAM/SET.
2) Press I◀◀ or ▶▶I to set the minute, then press PROGRAM/SET.
   "OFF TIME" appears for 2 seconds, then the unit enters off-time setting mode.
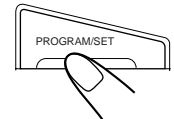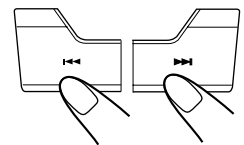
5 Set the off-time you want the unit to turn off (on standby).

1) Press I◀◀ or ▶▶I to set the hour, then press PROGRAM/SET.
2) Press I◀◀ or ▶▶I to set the minute, then press PROGRAM/SET.
   The unit enters the volume setting mode.

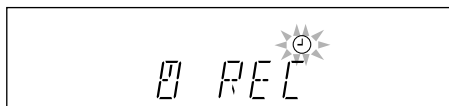## 6 Set the volume level when the unit is turned on.

Press I◀◀ or ▶▶I to set the volume, then press PROGRAM/SET.

```
 VOL  16
```

The unit enters source selecting mode.

7 Select the preset station.

1) Press |◄◄ or ►►| to select the band ("FM" or "AM"), then press PROGRAM/SET.
2) Press |◄◄ or ►►| to select a preset channel number.
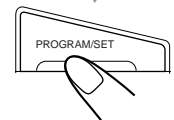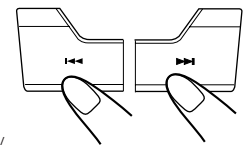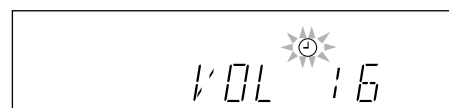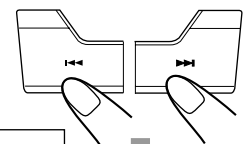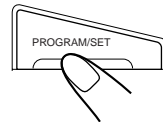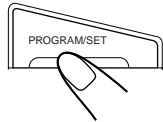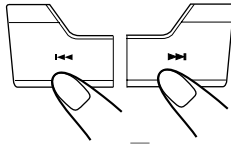
PROGRAM/SET

8 Press PROGRAM/SET.

The ⏰ indicator stops flashing and remains lit.
If you have set the Recording Timer with the unit turned on, turn off the unit.
The REC indicator lights up when the unit is turned off (on standby).

PROGRAM/SET

To select Recording or Daily Timer after its setting has been done

Press TIMER ON/OFF on the remote control.

TIMER ON/OFF

Each time you press the button, the timer mode changes as follows:

```
   ┌─ ⏰TIMER ──→ ⏰REC ─┐
   └─ OFF ◄── ⏰TIM+REC ◄─┘
```
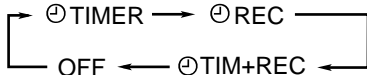
⏰ TIMER: Select this when you want to use only the Daily Timer.

⏰ REC: Select this when you want to use only the Recording Timer.

⏰TIM+REC: Select this when you want to use both the Daily Timer and the Recording Timer.

OFF: Select this when you do not want to use the timer.

• **When the timer is set to OFF,** the ⏰ indicator and/or REC indicator goes off from the display.
  Even if the Recording or Daily Timer is canceled, but the setting condition for the Recording or Daily Timer remains in memory.
• **When any timer setting is activated,** the ⏰ indicator and/or REC indicator lights up again.

📝 **notes**

If the unit is operating when the timer-on time comes
Recording or Daily Timer does not work.

Using Sleep Timer

With Sleep Timer, you can fall asleep to music.
You can set Sleep Timer when the unit is operating.

How Sleep Timer actually works
The unit automatically turns off after the specified time length passes by.

On the remote control ONLY:

1 Press SLEEP.

SLEEP

The time length until the shut-off time appears and the SLEEP indicator lights up on the display.

• Each time you press the button, the time length changes as follows:

```
   ┌→ 90 MIN ──→ 60 MIN ──→ 45 MIN ─┐
   └─ OFF ◄── 15 MIN ◄── 30 MIN ◄───┘
   (Canceled)
```
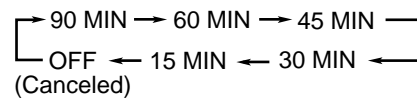
2 Wait for about 5 seconds after specifying the time length.
The SLEEP indicator remains lit.

To check the remaining time until the shut-off time, press SLEEP once so that the remaining time until the shut-off time appears for about 3 seconds.

To change the shut-off time, press SLEEP repeatedly until the desired time length appears on the display.

To cancel the setting, press SLEEP repeatedly so that the SLEEP indicator goes off.

• Sleep Timer is also canceled when you turn off the unit.

Maintenance

To get the best performance of the unit, keep your discs, tapes, and mechanism clean.

Handling discs

• Remove the disc from its case by holding it at the edge while pressing the center hole lightly.
• Do not touch the shiny surface of the disc, or bend the disc.
• Put the disc back in its case after use to prevent warping.

• Be careful not to scratch the surface of the disc when placing it back in its case.
• Avoid exposure to direct sunlight, temperature extremes, and moisture.

To clean the disc
Wipe the disc with a soft cloth in a straight line from center to edge.

DO NOT use any solvent — such as conventional record cleaner, spray, thinner, or benzine — to clean the disc.

Handling cassette tapes

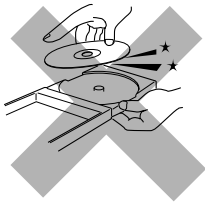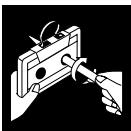• If the tape is loose in its cassette, take up the slack by inserting a pencil in one of the reels and rotating.
• If the tape is loose, it may get stretched, cut, or caught in the cassette.

• Be careful not to touch the tape surface.

• Avoid the following places to store the tape:
— In dusty places
— In direct sunlight or heat
— In moist areas
— Near a magnet

To protect your recording
Cassettes have two small tabs on the back to protect unexpected erasure or re-recording.
To protect your recording, remove these tabs.
To re-record on a protected tape, cover the holes with adhesive tape.

Cassette decks
If the heads, capstans, and pinch rollers of the cassette decks become dirty, the following will occur:
• Impaired sound quality
• Discontinuous sound
• Fading
• Incomplete erasure
• Difficulty in recording

To clean the heads, capstans, and pinch rollers
Use a cotton swab moistened with alcohol.

Capstan
Erase head
Pinch roller
Heads
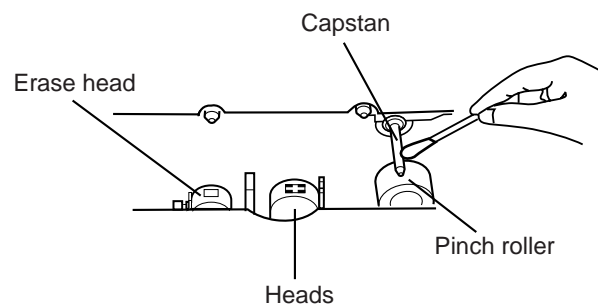
To demagnetize the heads
Turn off the unit, and use a head demagnetizer (available at electronics and record shops).

Troubleshooting

If you are having a problem with your unit, check this list for a possible solution before calling for service.
If you cannot solve the problem from the hints given here, or the unit has been physically damaged, call a qualified person, such as your dealer, for service.

| Symptom	Cause	Action
No sound is heard.	Connections are incorrect or loose.	Check all connections and make corrections. (See pages 6 to 8.)
Hard to listen to broadcasts because of noise.	• Antennas are disconnected. • The AM loop antenna is too close to the unit. • The FM antenna is not properly extended and positioned.	• Reconnect the antennas correctly and securely. • Change the position and direction of the AM loop antenna. • Extend the FM antenna at the best position.
The disc sound is discontinuous.	The disc is scratched or dirty.	Clean or replace the disc. (See page 20.)
The disc tray does not open or close.	The AC power cord is not plugged in.	Plug the AC power cord.
The disc does not play.	The disc is placed upside down.	Place the disc with the label side up.
The cassette holders cannot be opened.	Power supply from the AC power cord has been cut off while the tape was running.	Turn on the unit.
Impossible to record.	Small tabs on the back of the cassette are removed.	Cover the holes with adhesive tape.
Stereo effect is lost.	Vocal Masking is activated.	Cancel the Vocal Masking. (See page 16.)
Operations are disabled.	The built-in microprocessor may malfunction due to external electrical interference.	Unplug the AC power cord and then plug it back in.
Unable to operate the unit from the remote control unit.	• The path between the remote control unit and the remote sensor on the unit is blocked. • The batteries are exhausted.	• Remove the obstruction. • Replace the batteries.

Specifications
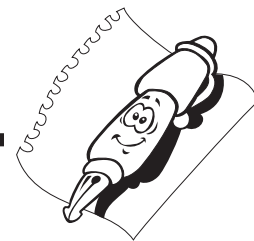
Amplifier — CA-MXJ100

Output Power:
40 W per channel, min. RMS, both channels driven into 6 Ω at
1 kHz with no more than 10 % total harmonic distortion

Audio input sensitivity/Impedance (at 1 kHz)
        AUX: 400 mV/50 kΩ
        MIC: 2.5 mV/5 kΩ

Speakers/Impedance: 6 Ω – 16 Ω

Tuner

FM tuning range: 87.50 MHz – 108.00 MHz
AM tuning range:
        At 9 kHz intervals :   531 kHz – 1,602 kHz
        At 10 kHz intervals :   530 kHz – 1,710 kHz

CD player

CD Capacity: 3 CDs
Dynamic range: 85 dB
Signal-to-noise ratio: 90 dB
Wow and flutter: Immeasurable

Cassette deck

Frequency response
        Normal (type I):   50 Hz — 14,000 Hz
Wow and flutter
        0.15 % (WRMS)

General

Power requirement: AC 110 V – AC 127 V/AC 220 V – AC 240 V $\sim$
                        (adjustable with the voltage selector),
                        50 Hz/60 Hz
Power consumption: 68 W (at operation)
                        13 W (on standby)
Maximum power consumption (for Taiwan only): 590 W
Dimensions (approx.):   270 mm x 317 mm x 380 mm (W/H/D)
                        (10 $^{11}/_{16}$ in. x 12 $^{1}/_{2}$ in. x 15 in.)
Mass (approx.):   6.9 kg (15.3 lbs)

Supplied accessories

See page 6.

Speaker section — SP-MXJ100

Type: 2-way bass-reflex type
Speaker units: Woofer: 12 cm (4 $^{3}/_{4}$") cone x1
                        Tweeter: 2 cm ($^{13}/_{16}$") piezo x1
Power handling capacity: 40 W
Impedance: 6 Ω
Frequency range: 50 Hz — 18,000 Hz
Sound pressure level: 87 dB/w•m
Dimensions (approx.):   219 mm x 317 mm x 219 mm (W/H/D)
                        (8 $^{5}/_{8}$ in. x 12 $^{1}/_{2}$ in. x 8 $^{5}/_{8}$ in.)
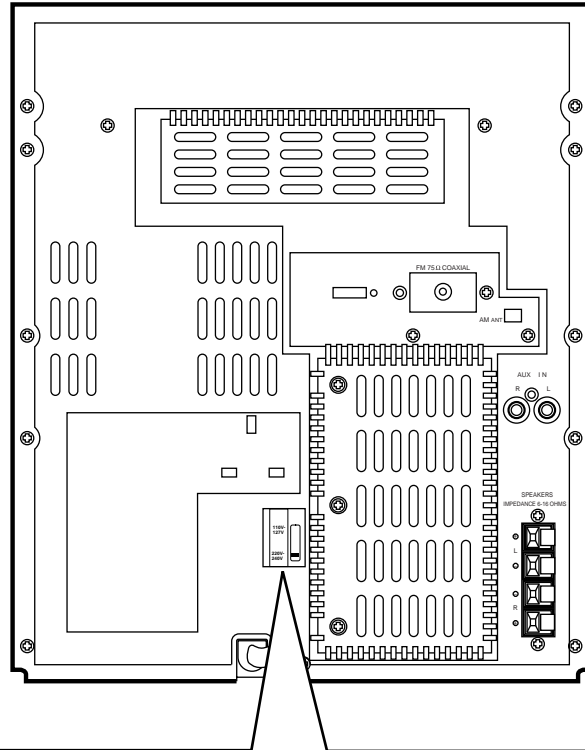Mass (approx.):   3.1 kg (6.9 lbs) each

Mains (AC) Line Instruction (not applicable for Europe, U.S.A., Canada, Australia, and U.K.)

Instrucción sobre la línea de la red (CA) (no aplicable para Europa, EE.UU., Canadá, Australia, ni el Grã-Bretanha)

Instrução sobre a tensão da rede eléctrica (CA) (não aplicável para a Europa, os E.U.A., o Canadá, a Austrália e o Reino Unido)

主（AC）电源线路说明（不适用于欧洲、美国、加拿大、澳洲及英国型号）


IMPORTANT for mains (AC) line

BEFORE PLUGGING IN, do check that your mains (AC) line voltage corresponds with the position of the voltage selector switch provided on the outside of this equipment and, if different, reset the voltage selector switch, to prevent from damage or risk of fire/electric shock.

IMPORTANTE para la línea de la red (CA)

ANTES DE ENCHUFAR EL EQUIPO, compruebe si la tensión de la línea de la red (CA) corresponde con la posición del selector de tensión situado en la parte exterior del equipo, y si es diferente, reajuste el selector de tensión para evitar el riesgo de incendios/descargas eléctricas.

IMPORTANTE para a ligação à tensão da rede (CA)

ANTES DE LIGAR O APARELHO A UMA TOMADA DA REDE, verifique se a tensão da rede CA corresponde à posição do seletor de voltagem localizado na parte externa deste equipamento. Caso não corresponda, reajuste o seletor de voltagem a fim de evitar avarias ou riscos de incêndio e choque elétrico.

110V-
127V

220V-
240V
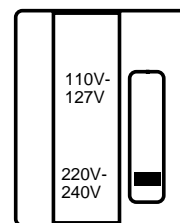
有关主（AC）电源线路的重要事项

接插电源以前，务请检查当地的主（AC）电源线路电压是否和位于本机外面的电压选择开关设定的位置一致。如果不一致，即重新设定电压选择开关使符合当地电压，以免损坏机器或引起火灾／触电的危险。

JVC

VICTOR COMPANY OF JAPAN, LIMITED