

# JVC



English

中文

عربي

## CD PORTABLE COMPONENT SYSTEM

CD 便携式组合系统

نظام مكونات إسطوانات CD نقال

# PC-X292V

Consists of CA-PCX292V and SP-PCX292V

包括 CA-PCX292V 和 SP-PCX292V

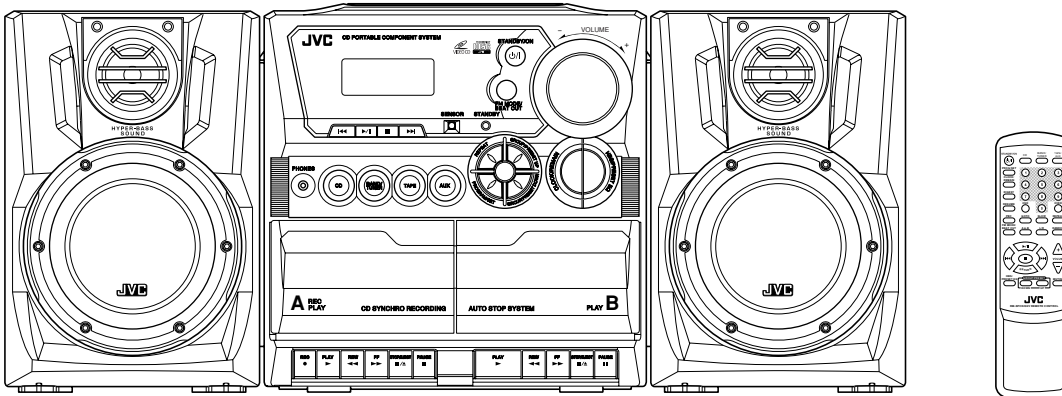
يتألف هذا النظام من الاجهزة CA-PCX292V و SP-PCX292V



SP-PCX292V

CA-PCX292V

SP-PCX292V



## INSTRUCTIONS

使用说明书  
التعليمات

# Warnings, Cautions and Others

## 警告，注意及其他须知事项

### تحذيرات ، تنبيهات واشياء اخرى

#### CAUTION—STANDBY/ON 0/I button!

Disconnect the mains plug to shut the power off completely (all lamps and indications go off).

The STANDBY/ON 0/I button in any position does not disconnect the mains line.

- When the unit is on standby, the STANDBY lamp lights red.
- When the unit is turned on, the STANDBY lamp goes off.

The power can be remote controlled.

#### 注意— STANDBY/ON 0/I 开关

想要完全关闭电源，须将主电源插头从插座上拔出（所有指示灯和信息均熄灭）。

STANDBY/ON 0/I 开关处于任何位置都不会完全切断主线供电。

- 当本机处于待机状态时，STANDBY 灯亮成红色。
- 当本机处于启动状态时，STANDBY 灯熄灭。

电源开关可用遥控器来控制。

#### تحذير—زر الاستعداد للتشغيل/التشغيل 0/I STANDBY/ON

انزع قابس سلك الطاقة الكهربائية من اجل فصل الطاقة الكهربائية عن الجهاز كليا. (تنطفئ كل اللمبات والبيانات). لا يفصل زر الاستعداد للتشغيل/التشغيل 0/I STANDBY/ON باي وضع من الاوضاع خط الطاقة الكهربائية عن الجهاز.

- عندما يكون الجهاز في حالة استعداد للتشغيل، تضيء لمبة الاستعداد للتشغيل STANDBY باللون الاحمر.
  - عندما يكون الجهاز في حالة تشغيل، تختفي لمبة الاستعداد للتشغيل STANDBY.
- 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.

#### 注意

为了防止触电，火灾等危险：

1. 请勿擅自卸下螺丝钉，盖子或机壳。
2. 请勿让本机受雨淋或置于潮湿环境中。

#### تحذير

- لتجنب خطر الحريق، الصدمات الكهربائية، الخ:
١. لا تفك البراغي او الاغطية او الخزانات.
  ٢. لا تعرض هذا الجهاز للمطر او الرطوبة.

#### CAUTION

- Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

#### 注意

- 请勿堵塞通风口或通风孔。  
(如果通风口或通风孔被报纸或布等堵塞，热量将无法散出。)
- 请勿在本设备上放置任何裸露的火源，如点燃的蜡烛。
- 处理废弃电池时，必须考虑环境问题，并严格遵守当地关于处理废弃电池的有关法律或规定。
- 请勿将本装置暴露于雨水所及，潮湿，滴水或易于溅起水花的地方，亦不要将任何装满液体的物件（如花瓶）放置在本装置上。

#### تحذير

- لا تغلق فتحات التهوية او الثقوب.  
(في حالة اغلاق فتحات التهوية او الثقوب بواسطة ورق الصحف او القماش، الخ، فانه يمكن ان لا تخرج الحرارة للخارج.)
- لا تضع اية مصادر حرارية مكشوفة، مثل الشموع المضيئة، على الجهاز.
- عند اتلاف البطاريات، يجب اخذ مشاكل البيئة بعين الاعتبار ويجب التقيد بالانظمة والقوانين المحلية التي تحكم اتلاف هذه البطاريات بصورة دقيقة.
- لا تعرض هذا الجهاز للمطر، او الرطوبة، او تنقيط او رشق الماء ولا تضع اية اوعية مملوءة بالماء او السوائل، مثل مزهريات الورد، فوق هذا الجهاز.

## IMPORTANT FOR LASER PRODUCTS

### 鐳射产品的重要说明 مهم للمنتجات الليزرية

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

1. 一级鐳射产品。
2. **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。
3. **注意:** 当内部锁定装置失效或者损坏后，打开盖板可能会产生可见或不可见的鐳射辐射。应避免受到鐳射光束的直接照射。
4. 标签的复制标示：注意标签位于机内。

١. صنف ١ منتج ليزري
٢. **تحذير:** لا تفتح الغطاء العلوي. لا يوجد اجزاء داخل الجهاز يستطيع المستخدم صيانتها. في حالة الحاجة للصيانة؛ اترك جميع اعمال الصيانة للاشخاص المختصين فقط.
٣. **تحذير:** هناك أشعة ليزرية مرئية وغير مرئية عند الفتح وفشل التشابك او الاحباط. تجنّب التعرض المباشر للأشعة.
٤. انتاج الملصقات: ملصق التحذير، موضوع داخل الجهاز.

**CAUTION** - INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

**VORSICHT** ! UNSICHTBARE LASERSTRAHLUNG TRITT AUS, WENN DECKEL GEÖFFNET UND WENN SICHERHEITVERRIEGELUNG ÜBERBRÜCKT IST. NICHT DEM STRAHL AUSSETZEN!

**WARNING** - OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRR ÄR URKOPPLAD STRÅLEN ÄR FARLIG.

**ADVARSEL** - USYNLIG LASERSTRÅLING VED ÅBNING NÄR SIKKERHEDSÅFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

### 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.

### 注意：正确通风

为防止发生触电和火灾的危险，及防止本机受损，请将本机按如下方法放置：

1. 前面

没有障碍物且地方宽敞。

2. 侧面/上面/背面

下图所示范围内不应放置任何障碍物。

3. 底部

放置在水平面上。放置在一个高度至少 10cm 的台座上，以保证足够的通风道。

### تحذير: التهوية الصحيحة

لتجنب مخاطر الصدمة الكهربائية والحرق، ولتجنب الضرر، ضع الجهاز كما يلي:

١ المقدمة:

بدون عوائق مع وجود فراغ مفتوح.

٢ الجوانب/القمة/الخلفية:

يجب عدم وضع أي عوائق في المناطق المبينة بواسطة الأبعاد في الأسفل.

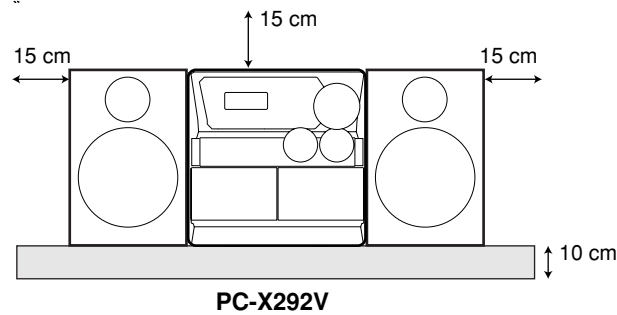
٣ القاعدة:

ضع الجهاز على سطح مستو. حافظ على وجود مجرى هواء كاف من أجل التهوية بواسطة وضع الجهاز على حامل بارتفاع ١٠ سم أو أكثر.

#### Front view

前面观

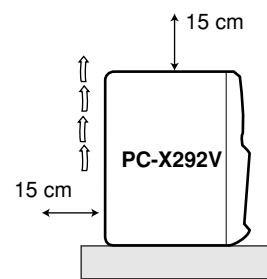
منظر امامي



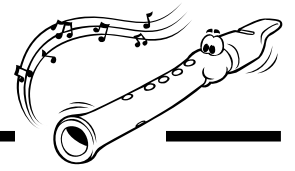
#### Side view

侧面观

منظر جانبي



# 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 10 and 11.
- The following marks are used in this manual:



Gives you warnings and cautions to prevent 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 and 35°C.
- 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.

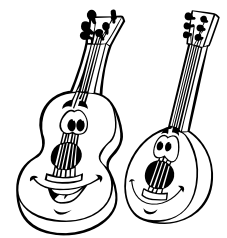
### Others

- 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.

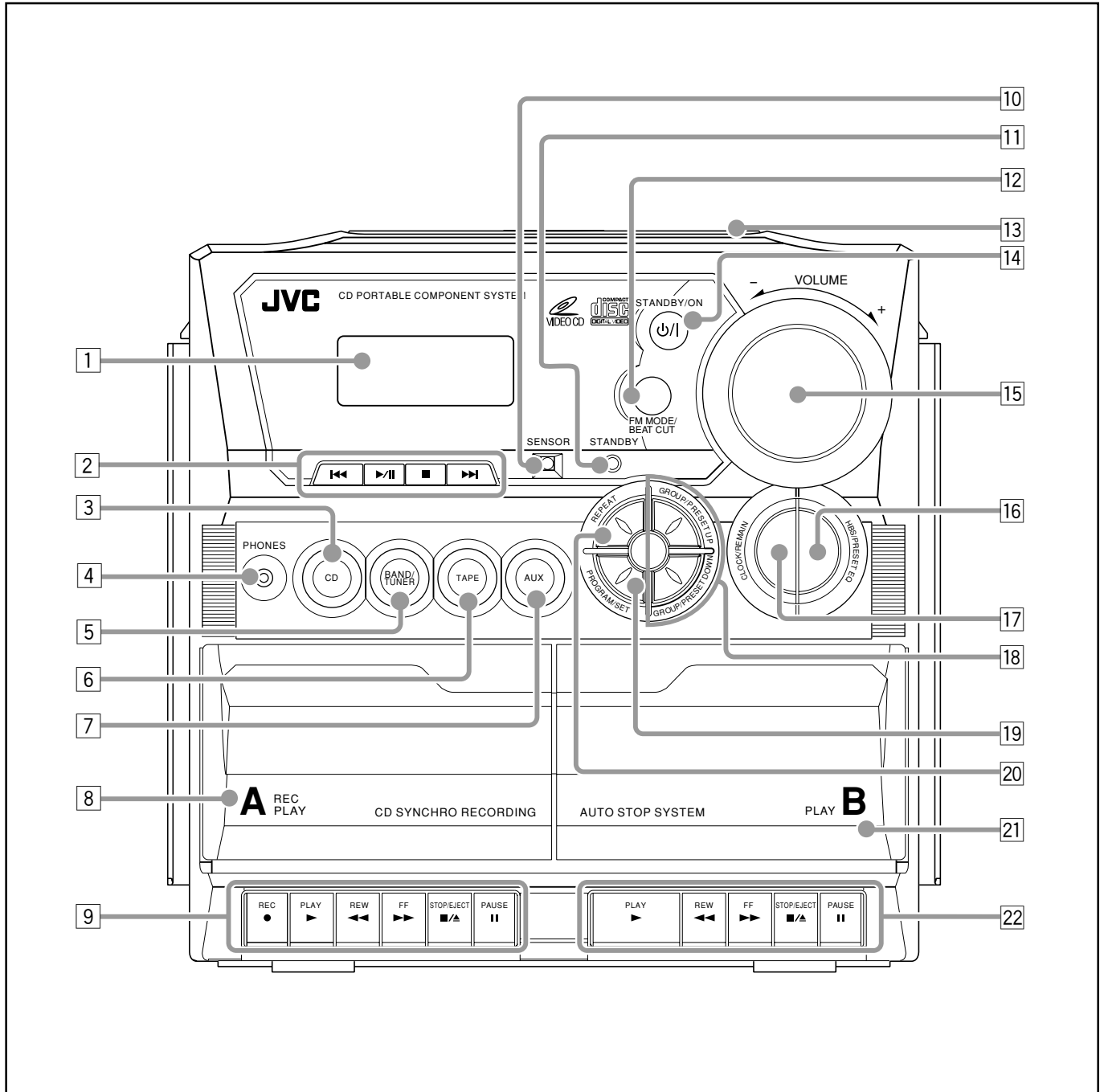


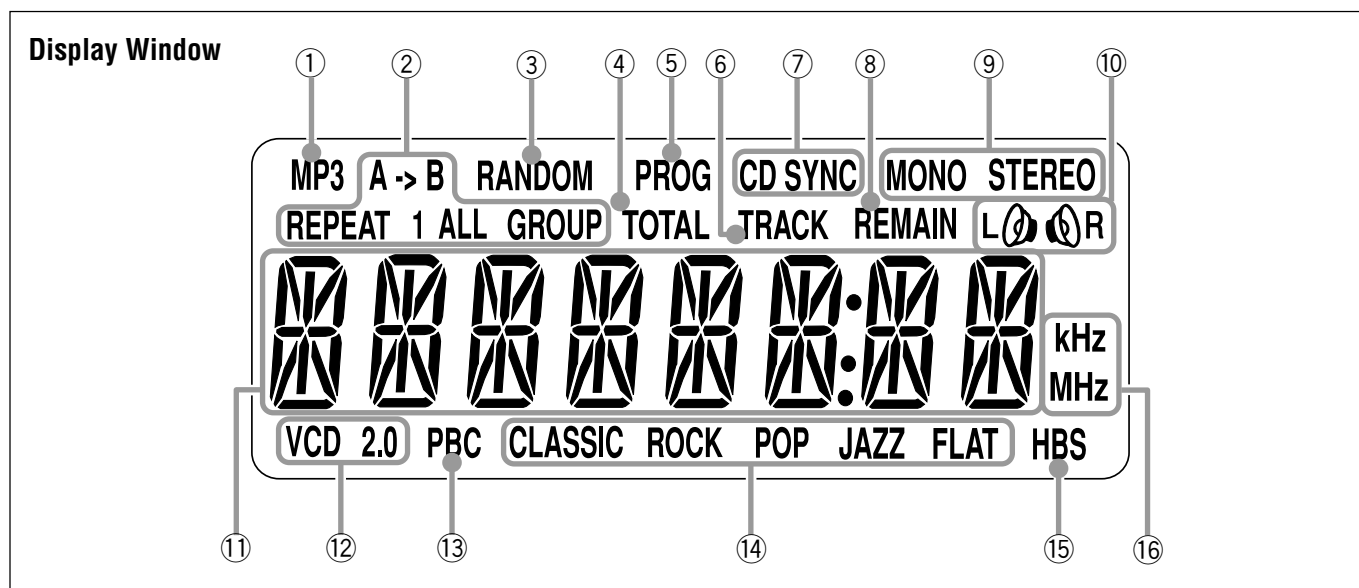
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# Location of the Buttons and Controls

Become familiar with the buttons and controls on your unit.

## Front Panel





See pages in the parentheses for details.

### Front Panel

- 1 Display window
- 2 Operation buttons
  - ◀◀ (10, 13, 16, 17, 20), ▶/|| (play/pause) (14, 16, 17), ■ (12, 14, 17, 18, 20, 21), ▶▶ (10, 13, 16, 17, 20)
- 3 CD button (10, 14, 24)
- 4 PHONES jack (11)
- 5 BAND/TUNER button (10, 12, 13)
- 6 TAPE button (10, 22, 24)
- 7 AUX button (10)
- 8 Deck A cassette holder (22)
- 9 Operation buttons for deck A (22 – 24)
  - REC ●, PLAY ▶, REW ◀◀, FF ▶▶, STOP/EJECT ■/▲, PAUSE ||
- 10 SENSOR (Remote sensor) (5)
- 11 STANDBY lamp (10)
- 12 FM MODE/BEAT CUT button (13, 23)
- 13 ▲ OPEN (disc door open/close) (14)
- 14 STANDBY/ON Ⓞ/I button (10)
- 15 VOLUME +/- control (11)
- 16 HBS/PRESET EQ (Equalizer) button (11)
- 17 CLOCK/REMAIN button (10, 21)
- 18 GROUP/PRESET UP/DOWN button (12, 13, 16, 17)
- 19 PROGRAM/SET button (10, 13, 17)
- 20 REPEAT button (18)
- 21 Deck B cassette holder (22)
- 22 Operation buttons for deck B (22)
  - PLAY ▶, REW ◀◀, FF ▶▶, STOP/EJECT ■/▲, PAUSE ||

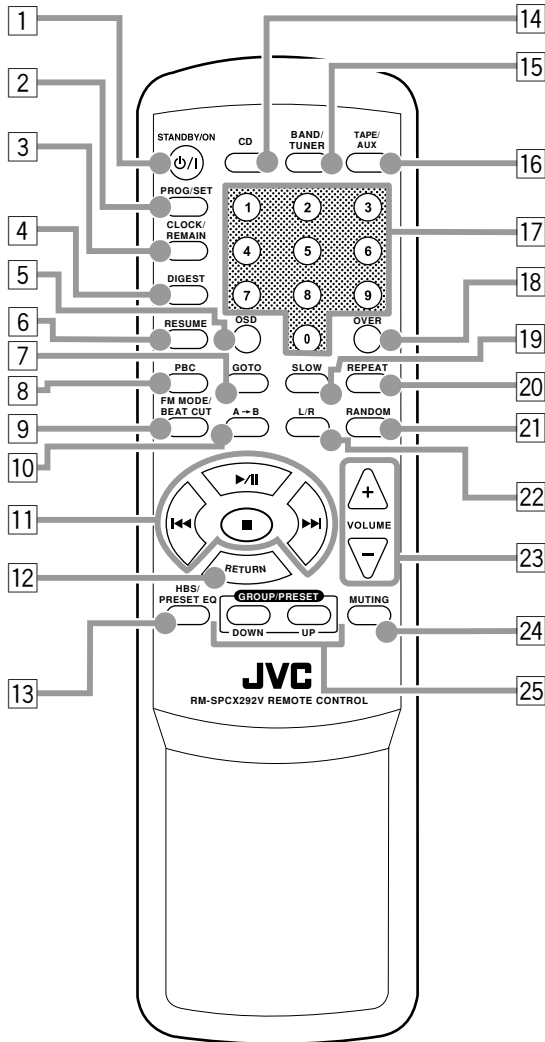
### Display Window

- 1 MP3 indicator (15)
- 2 Repeat mode indicators (18, 19)
  - A->B, REPEAT 1/ALL/GROUP
- 3 RANDOM indicator (18)
- 4 TOTAL indicator (21)
- 5 PROG indicator (13, 17)
- 6 TRACK indicator (21)
- 7 CD SYNC indicator (24)
- 8 REMAIN indicator (21)
- 9 MONO/STEREO indicators (13)
- 10 L/R indicators (15, 19)
- 11 Main display
- 12 VCD indicators (15, 21)
  - VCD 2.0 indicator lights up only when VCD 2.0 disc is in operation.
- 13 PBC indicator (15, 21)
- 14 Equalizer pattern indicators (11)
  - CLASSIC, ROCK, POP, JAZZ, FLAT
- 15 HBS (Hyper Bass Sound) indicator (11)
- 16 kHz/MHz indicators (13)





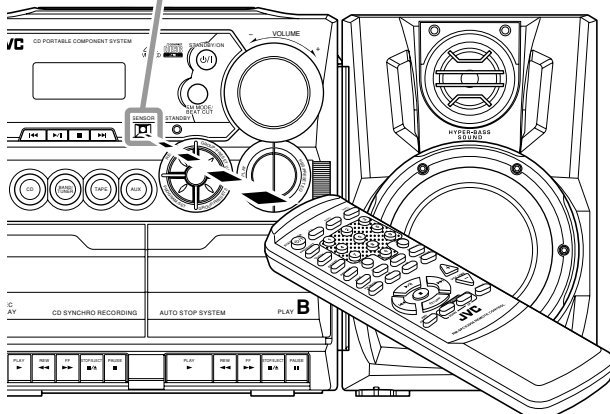
## Remote Control



## Remote Control

- 1 STANDBY/ON  $\phi$ /I button (10)
- 2 PROG/SET button (10, 13, 17)
- 3 CLOCK/REMAIN button (10, 21)
- 4 DIGEST button (20)
- 5 OSD button (20)
- 6 RESUME button (16)
- 7 GOTO button (19)
- 8 PBC button (21)
- 9 FM MODE/BEAT CUT button (13, 23)
- 10 A  $\rightarrow$  B button (19)
- 11 Operation buttons
  - $\lll$  (10, 13, 16, 17, 20),  $\triangleright/\text{II}$  (play/pause) (14, 16, 17),  $\blacksquare$  (14, 17, 18, 20, 21),  $\ggg$  (10, 13, 16, 17, 20)
- 12 RETURN button (21)
- 13 HBS/PRESET EQ (Equalizer) button (11)
- 14 CD button (10, 14, 24)
- 15 BAND/TUNER button (10, 13)
- 16 TAPE/AUX button (10, 22)
- 17 Number buttons (13, 16, 19, 21)
- 18 OVER button (13, 16, 21)
- 19 SLOW button (16)
- 20 REPEAT button (18)
- 21 RANDOM button (18)
- 22 L/R button (19)
- 23 VOLUME +/- buttons (11)
- 24 MUTING button (11)
- 25 GROUP/PRESET UP/DOWN buttons (13, 16, 17)

Remote sensor



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

## 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.

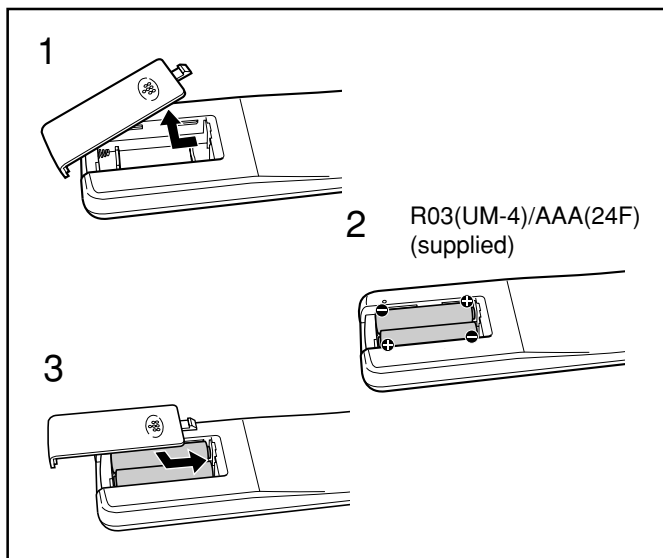
- Remote control (1)
- AC power cord (1)
- Battery for remote control (R03(UM-4)/AAA(24F)) (2)
- AC plug adapter (1)
- Audio/video cord (1)

If any is missing, consult your dealer immediately.

## Putting the Batteries into the Remote Control

Insert the batteries—R03(UM-4)/AAA(24F)—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.

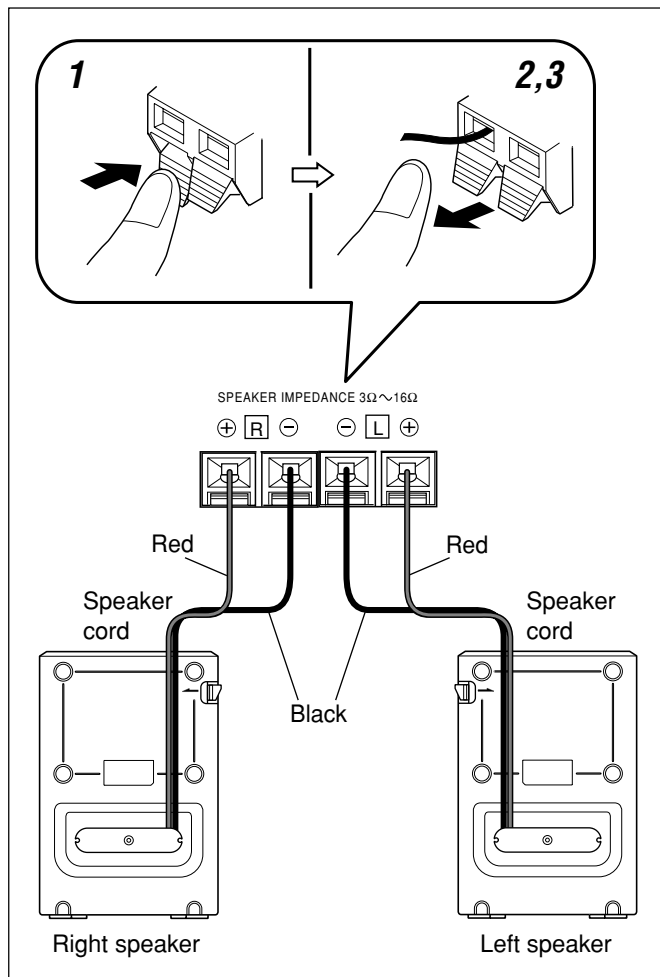


- DO NOT use an old battery together with a new one.
- DO NOT use different types of batteries together.
- DO NOT expose batteries to heat or flame.
- DO NOT leave the batteries in the battery compartment when you are not going to use the remote control for an extended period of time. Otherwise, it will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

## Connecting the Speakers

### To connect speakers

You can connect the speakers using the speaker cords.



**1 Hold the clamp of the speaker terminal.**

**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.**

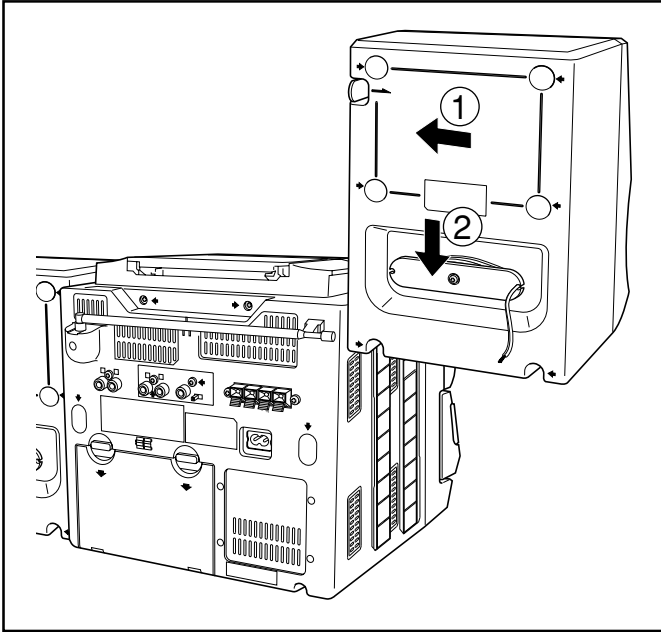
#### IMPORTANT:

- Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the unit.
- DO NOT connect more than one speaker to one speaker terminal.

Do not connect the AC power cord until all other connections have been made.

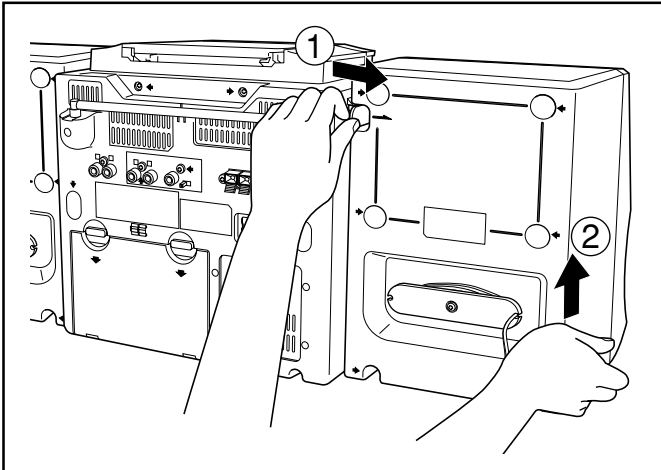
### Attaching the speaker system to the main unit

Fit the speaker into the grooves on the main unit (①) and slide down the speaker vertically (②) as the illustration shows.



### Detaching the speaker system from the main unit

With the lever on the back of the unit pushed in the direction of the arrow (①), lift up the speaker vertically (②) as the illustration shows.



### Connecting a TV

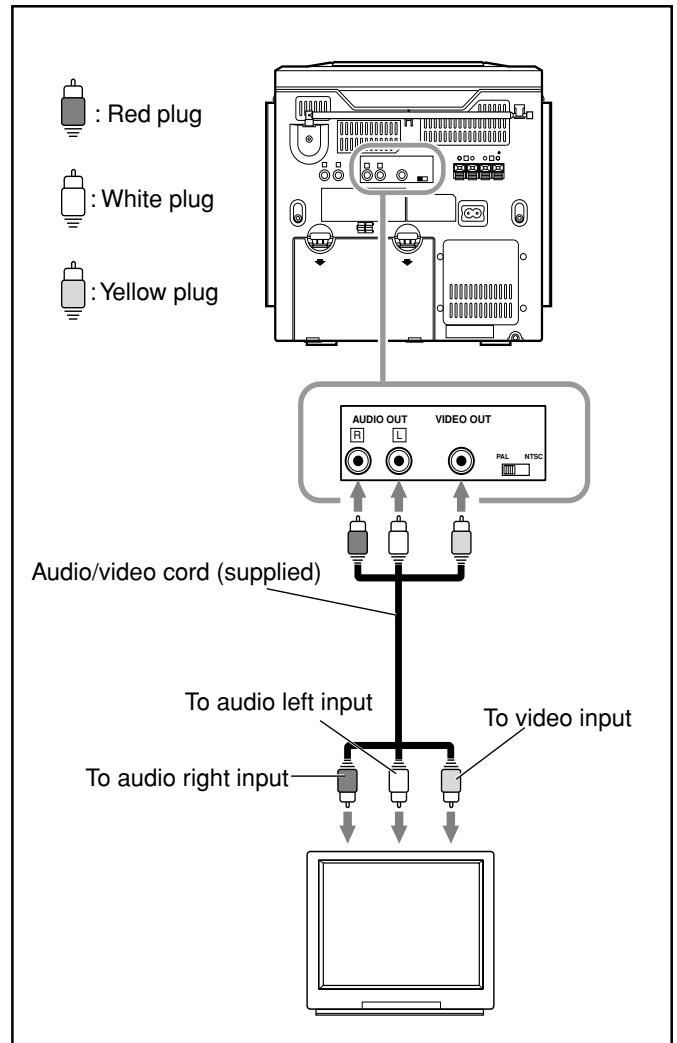
Connect your TV and this unit using the supplied audio/video cord.



- DO NOT connect any equipment while the power is on.
- DO NOT plug in any equipment until all connections are complete.

For playing VCD, connect this unit to your TV by using the audio/video cord as follows:

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

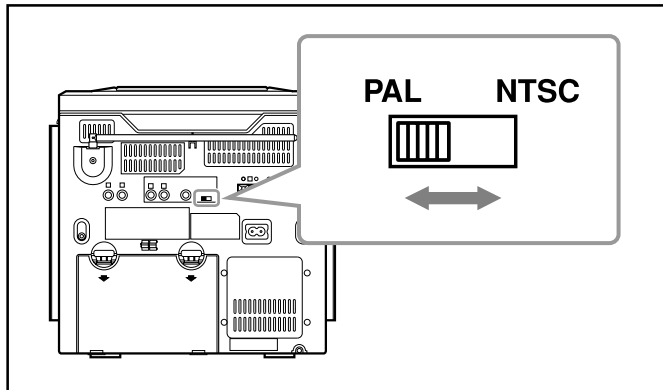


Do not connect the AC power cord until all other connections have been made.

Continued

### To select the color system

You can select the video output to match it to the color system of your TV.  
Set the PAL/NTSC switch on the rear correctly while in standby mode.



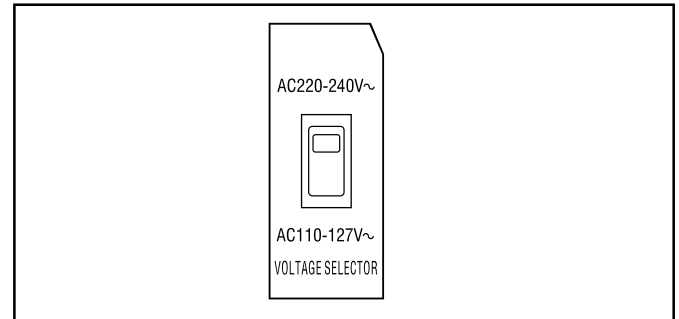
**NTSC:** For an NTSC TV.

**PAL:** For a PAL TV.

- For a multi-color TV, you can select either one.

### Adjusting the Voltage Selector

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



Move the voltage selector so the voltage number is the same as the voltage where you are plugging in the unit. (See the back cover page.)



**DO NOT** plug in before setting the voltage selector on the bottom of the unit and all connection procedures are complete.

### Connecting Other Equipment

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



- DO NOT connect any equipment while the power is on.
- DO NOT plug in any equipment until all connections are complete.

### NOW you are ready to plug in the unit.

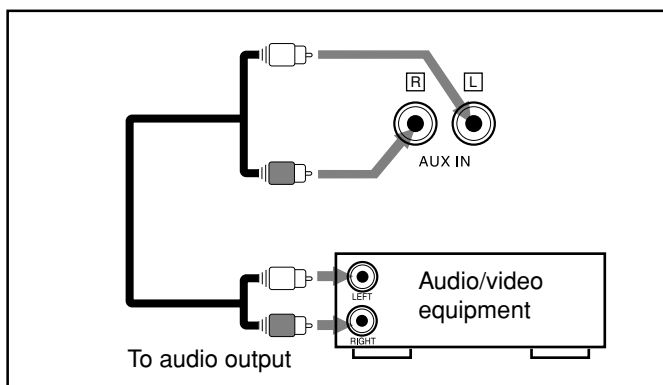
- If the wall outlet does not match the AC plug, use the supplied AC plug adaptor.

**IMPORTANT:**

Be sure to check that all connections have been made before plugging in the power cord.

For playing the other equipment through this unit, connect between the audio output jacks on the other equipment and AUX IN jacks by using audio cords (not supplied).

- 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.



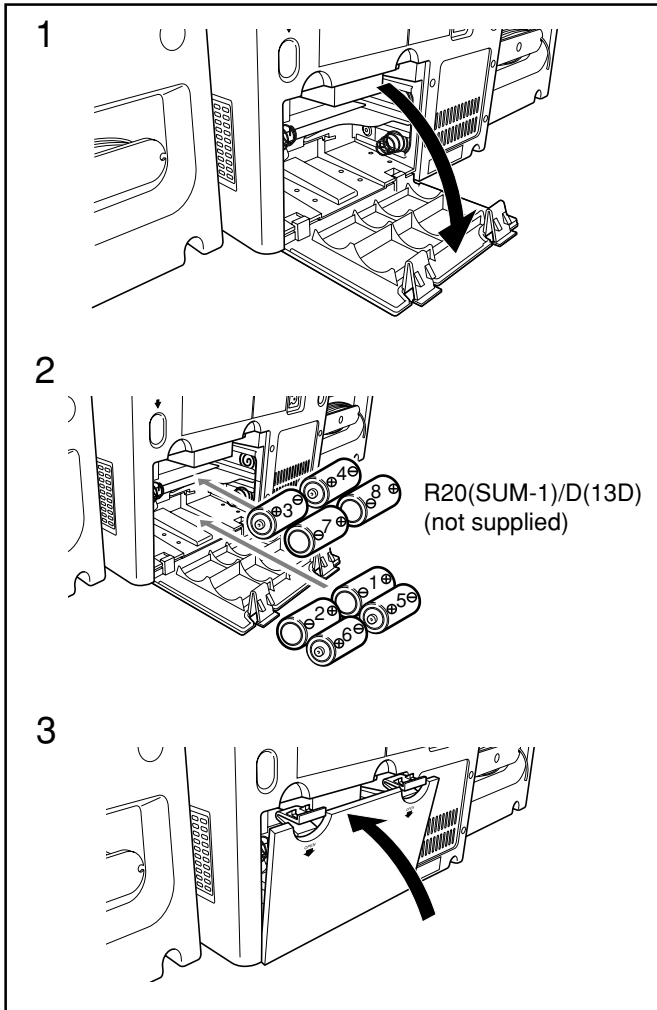


## Power Supply

Use AC power or dry batteries (not supplied) to operate the unit.

- As long as the AC power cord is connected to a power source, the unit operates on AC power rather than on the batteries in it.

### To insert the batteries



- Unplug the AC power cord from the unit to supply the power through the batteries; otherwise, the system does not work.

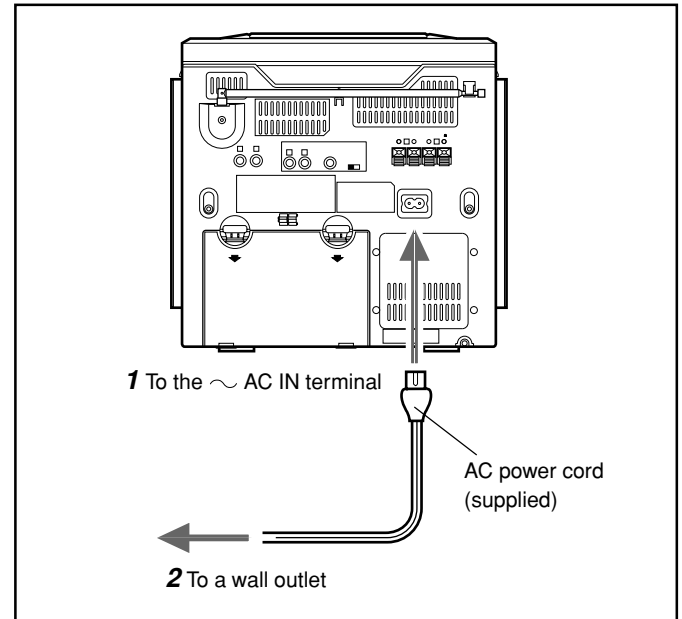


- DO NOT use an old battery together with a new one.
- DO NOT use different types of batteries together.
- DO NOT expose batteries to heat or flame.
- DO NOT leave the batteries in the battery compartment when you are not going to use the unit for an extended period of time. Otherwise, it will be damaged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



Remove batteries when storing this unit over one month.

### To connect the AC power cord




## Turning On or Off the Power

To turn on the unit, press STANDBY/ON .

- When you use the batteries for power supply, the backlight of the display dims to save power consumption.



To turn off the unit (on standby), press STANDBY/ON  again.  
The STANDBY lamp on the unit lights red.

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. If the batteries are inserted in the unit, take them out.

**notes** When you unplug the power supply or if a power failure occurs  
The clock is reset to "0:00" right away, while the tuner preset stations (see page 13) will be erased in a few days. Even if the batteries are inserted in the unit, this will occur unless the AC power plug has been disconnected from the unit.

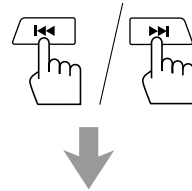
## Setting the Clock

Before operating the unit any further, first set the clock built in this unit.  
When the unit is turned on, press CLOCK/REMAIN first to show the clock indication.

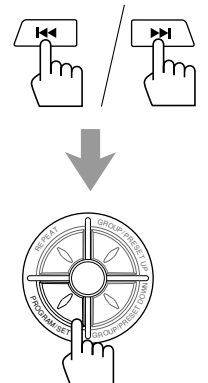
**1 Press and hold PROGRAM/SET for more than 2 seconds.**  
The hour digits start flashing on the display.



**2 Press <<< or >>> to adjust the hour, then press PROGRAM/SET.**  
The minute digits start flashing on the display.

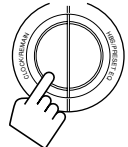


**3 Press <<< or >>> to adjust the minute, then press PROGRAM/SET.**  
The built-in clock starts.



To check the clock time during play Press CLOCK/REMAIN.

- Each time you press the button, the display changes the clock indication and the normal indication alternately. (Operating the unit while clock indication is displayed changes the display to the normal indication.)



**notes** If the power failure occurred during setting the clock  
The clock loses the setting and is reset to "0:00." You need to set the clock again. Even if the batteries are inserted in the unit, this will occur unless the AC power plug has been disconnected from the unit.

## Selecting the Sources

To select the FM/AM broadcasts, press BAND/TUNER. (See pages 12 and 13.)

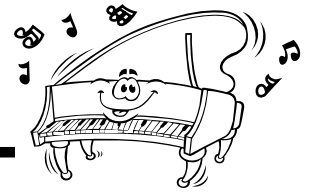
To select the disc player, press CD then press >||. (See page 14.)

To select tapes, press TAPE then press PLAY > for the deck you want. (See page 22.)

**On the remote control:**  
Press TAPE/AUX repeatedly to select TAPE.

To select the external equipment as the source, press AUX, then start playback on the external equipment. (See page 8 to connect external equipment.)

**On the remote control:**  
Press TAPE/AUX repeatedly to select AUX.

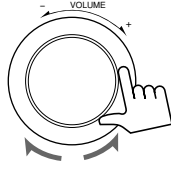


## Adjusting the Volume

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

Turn the **VOLUME +/-** clockwise to increase the volume or counterclockwise to decrease it.

- The volume level can be adjusted from “VOL MIN,” “VOL 1” – “VOL 29,” and “VOL MAX.”



VOL 15

When using the remote control, press **VOLUME +** to increase the volume or press **VOLUME -** to decrease it.

**To turn off the sound temporarily**

**On the remote control ONLY:**

Press **MUTING**.

The sound is turned off and the “**MUTING**” appears on the display.

MUTING

**To restore the sound**, press **MUTING** again.

“**MUTING**” goes off from the display.

- Adjusting the volume level also cancels the muting.



### 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.



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.

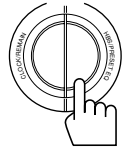
## Reinforcing the Bass Sound

The Hyper Bass Sound function provided for this unit can enhance the bass sound while listening to any source at low volume.

- This function only affects the playback sound, but does not affect your recording.

**To turn on the function**, press and hold **HBS/PRESET EQ** for more than 1 second.

“**BASS ON**” appears on the display and the **HBS** indicator lights up on the display.



BASS ON

HBS

**To turn off the function**, press and hold the button for more than 1 second again.

“**BASS OFF**” appears on the display and the **HBS** indicator goes off from the display.

## Selecting the Sound Modes

You can select one of the 5 preset sound modes.

**SEA (Sound Effect Amplifier) modes:**

**CLASSIC:** Good for classical music.

**ROCK:** Boosts low and high frequency. Good for acoustic music.

**POP:** Good for vocal music.

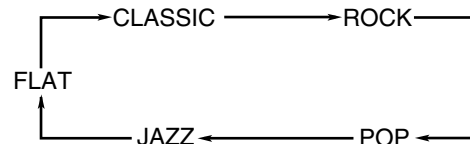
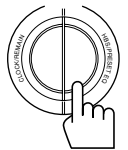
**JAZZ:** Good for jazz music.

**FLAT:** Normal sound.

- This function only affects the playback sound, but does not affect your recording.

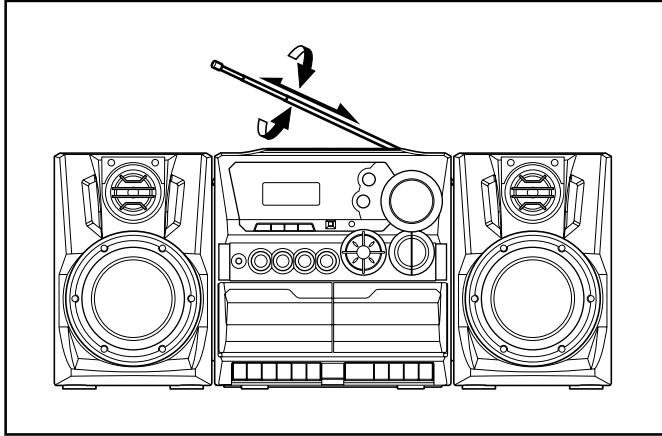
**To select the sound modes**, press **HBS/PRESET EQ** repeatedly until the indicator for the sound mode you want appears on the display.

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

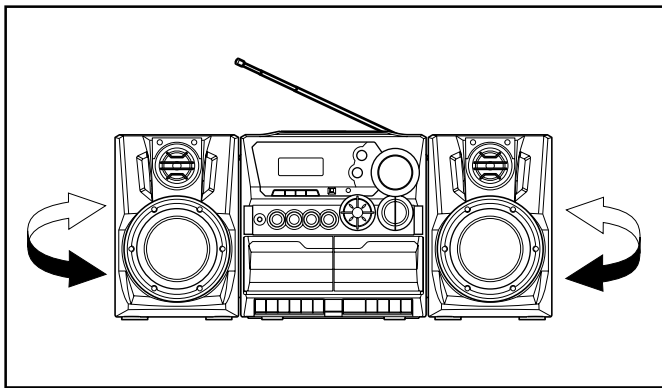


## Ensuring Good FM and AM Reception

**FM reception:** Pull out the antenna and reorient it for better reception.



**AM reception:** Reorient the main unit for better reception.



### 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.
- If you place the unit nearby the TV, reception may become noisy while listening to a radio broadcast. If this happens, keep the unit away from the TV or turn off the TV.

## Setting the Tuner Interval Spacing

### On the unit ONLY:

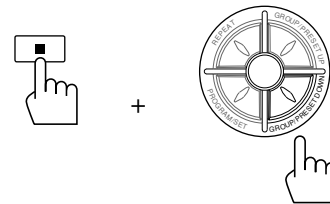
Set the FM and AM tuner interval spacing according to your area.

#### 1 Select the band you want to set by pressing **BAND/TUNER**.

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

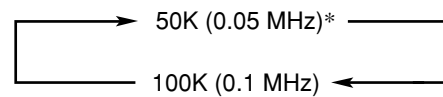


#### 2 While pressing and holding , press **GROUP/PRESET DOWN**.

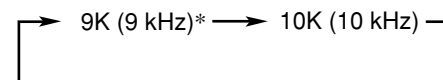


- Each time you press the button, the tuner interval spacing alternates as follows.

#### FM tuner:



#### AM tuner:



\* Initial setting





## Tuning in to a Station

### 1 Press BAND/TUNER.

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

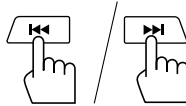
- Each time you press the button, the band alternates between FM and AM.



### 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 to.

- When the band is FM and a program is broadcast in stereo, you can hear stereo sounds. (The STEREO indicator appears).



To stop during searching, press ◀◀ or ▶▶.



When you press ◀◀ or ▶▶ 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/BEAT CUT. "MONO" appears and the MONO indicator lights up on the display. Reception improves.



To restore the stereo effect, press FM MODE/BEAT CUT again.

"STEREO" appears and the MONO indicator goes off.

- The stereo effect is also restored when you tune in to another station.

## Presetting Stations

You can preset 20 FM and 20 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.

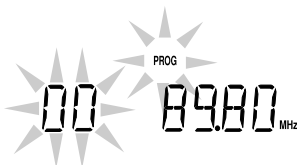
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 2 again.

### 1 Tune in to the station you want to preset.

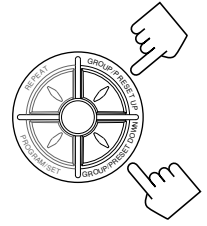
- See "Tuning in to a Station" above.

FM 89.80 MHz

### 2 Press PROGRAM/SET.



### 3 Press GROUP/PRESET UP or GROUP/PRESET DOWN to select a preset number.



### 4 Press PROGRAM/SET again.



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

- Storing a new station on a used number erases the previously stored one.



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. Even if the batteries are inserted in the unit, this will occur unless the AC power plug has been disconnected from the unit.



If the time limit comes while presetting the station

The tuned frequency will be stored. (When the preset number is not selected, the tuned frequency will not stored.)

## Tuning in to a Preset Station

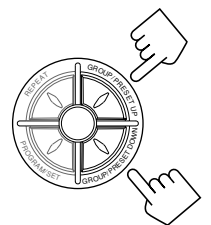
### 1 Press BAND/TUNER.

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

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



### 2 Press GROUP/PRESET UP or GROUP/PRESET DOWN to select a preset number.

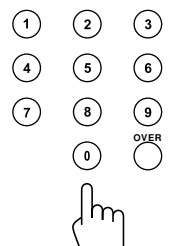


You can also select a preset number by using number buttons on the remote control.

For preset number 5, press 5.

For preset number 15, press OVER, then 1, 5.

For preset number 20, press OVER, then 2, 0.



## Disc Information

This unit has been designed to play back the following discs—CD, CD-R, CD-RW and VIDEO CD (VCD). You can play back the discs containing the tracks in audio CD format or MP3 files in ISO 9660 Level 1 or Joliet format.

- In this instruction, we call a disc recorded MP3 files “MP3 disc,” “folder” is referred to as “group” and “file” is referred to as “track.”
- This unit cannot play CD-I (CD-I ready), CD-ROM and Photo CD.

### When playing CD-Rs or CD-RWs

- Before playing CD-Rs or CD-RWs, read their instructions or cautions carefully.
- User-edited CD-Rs (CD-Recordable) and CD-RWs (CD-ReWritable) can be played only if they are already “finalized.”
- This unit cannot play “multi-session” discs.
- This unit cannot play “packet write” discs.
- Some CD-Rs or CD-RWs may not play on this unit because of their disc characteristics, damage or stain on them, or if the player’s lens is dirty.
- CD-RWs may require a longer readout time. This is because the reflectance of CD-RWs is lower than for regular discs.

### About color system

- This unit accommodates both NTSC and PAL system and can playback discs recorded with either system. To change the color system, see page 8.

### Notes for MP3 files

- The unit can only recognize files with “MP3” or “mp3” as the extensions, which can be in any combination of upper and lower case.
- This unit recognizes up to 256 folders (including the root folder) and 640 files on a disc.
- It is recommended that you record your material at a 44.1 kHz sampling rate, using the 128 kbps data transfer rate.
- Some MP3 files or discs may not be played back because of their characteristics or recording conditions.
- MP3 discs requires a longer readout time than regular discs because of the complexity of the folder/file configuration.
- MP3i and MP3 Pro are not available.
- This unit supports ID3 Tag ver. 1/1.1.






### General notes

- In general, you will have the best performance by keeping your discs and the mechanism clean.
- Store discs in their cases, and keep them in cabinets or on shelves.
  - Keep the unit’s disc cover closed when not in use.
  - Continued use of irregular shape discs (heart-shape, octagonal, etc.) can damage the unit.



### Caution for DualDisc playback


The Non-DVD side of a “DualDisc” does not comply with the “Compact Disc Digital Audio” standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

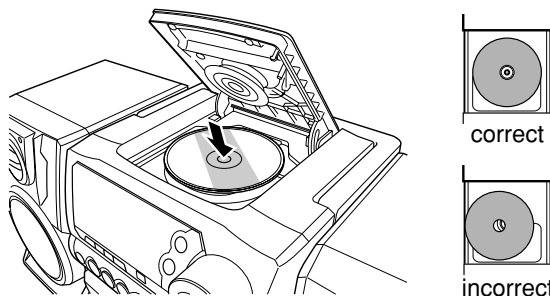
-     indicates types of disc available for the operation. (Unavailable disc types are not shown.)
- If “” appears on the TV when you press a button, the disc cannot accept the operation you have tried to do.

## Loading Disc



### On the unit ONLY:

- 1 Press  OPEN on the disc door to open the disc door.
- 2 Place a disc correctly with its label side up as shown below.



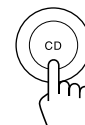
- 3 Press  OPEN again to close the disc door.

## Playing Back the Entire Disc




You can play disc continuously.

- 1 Load disc.
- 2 Press CD. “READING” appears on the display and TV, then the unit starts reading a disc.




READING

- When loading a VCD:Playback starts. (For VCD Ver.2.0 discs, the PBC function is activated—see page 21 to activate or deactivate the PBC function.)

- 3 Press  / II. Playback starts from the first track.



To stop during play, press .


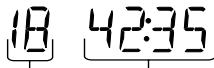
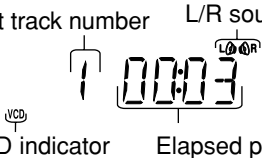
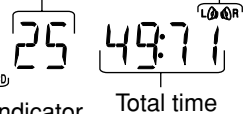
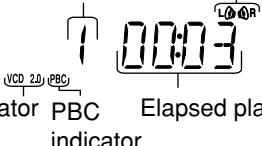
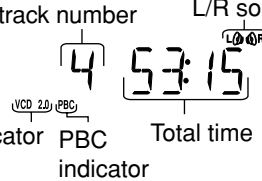
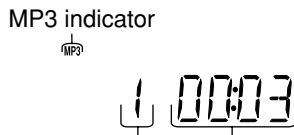
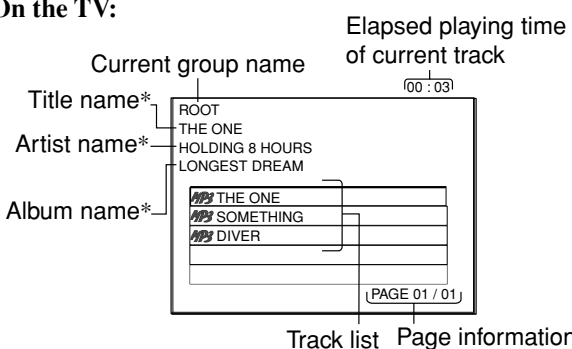
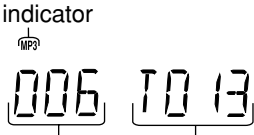
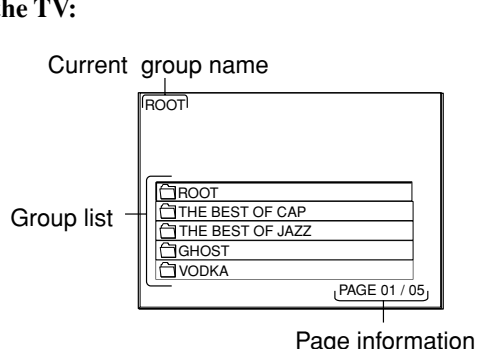
To remove the disc, press  OPEN.



If “UN DISC” appears on the display when you load a disc

This unit cannot play back the disc. (“UNKNOWN DISC” is shown on the TV also.)

Indications on the display while operating a disc

While playing back a disc:	While disc play is stopped:
<p>• <b>Audio CD:</b></p>  <p>Current track number Elapsed playing time</p>	<p>• <b>Audio CD:</b></p>  <p>Total track number Total time</p>
<p>• <b>VCD:</b></p>  <p>Current track number L/R sound indicator VCD indicator Elapsed playing time</p>	<p>• <b>VCD:</b></p>  <p>Total track number L/R sound indicator VCD indicator Total time</p>
<p>• <b>VCD 2.0:</b></p>  <p>Current track number L/R sound indicator VCD 2.0 indicator PBC indicator Elapsed playing time</p> <p>• When a VCD 2.0 disc with PBC function is loaded, PBC menu is shown on the TV.</p>	<p>• <b>VCD 2.0:</b></p>  <p>Total track number L/R sound indicator VCD 2.0 indicator PBC indicator Total time</p>
<p>• <b>MP3:</b></p>  <p>MP3 indicator Number of the current track on the disc Elapsed playing time of current track</p> <p>• When playing an MP3 track having ID3 tag: Number of the current track on the disc and elapsed playing time appears for 5 seconds from the beginning, then "TITLE," "ARTIST" and "ALBUM" information appears on the display.</p> <p><b>On the TV:</b></p>  <p>Current group name Elapsed playing time of current track Title name* Artist name* Album name* Track list Page information</p> <p>* These items appear only when the MP3 files have ID3 tag. (Some characters may not be shown correctly.)</p>	<p>• <b>MP3:</b></p>  <p>MP3 indicator Total group number Total track number of the disc</p> <p><b>On the TV:</b></p>  <p>Current group name Group list Page information</p>

## Basic Disc Operations

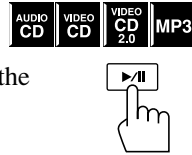
While playing a disc, you can do the following operations.

### To stop playback for a moment

Press ►/||.

While pausing, current track number and the elapsed playing time flash on the display.

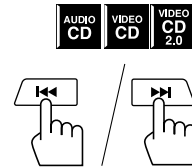
To resume playback, press ►/|| again.



### To locate a particular point in a track

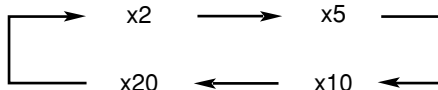
During play, press and hold ◀◀ or ▶▶.

- ◀◀: Fast reverses the disc.
- ▶▶: Fast forwards the disc.



### While playing back a VCD

- Each time you press and hold the button, the search speed changes as follows:

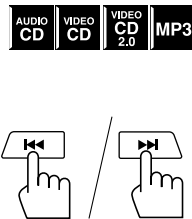


To return to normal playback, press ►/||.

### To go to another track

Press ◀◀ or ▶▶ repeatedly before or during playback.

- ◀◀: Goes back to the beginning of the current or previous tracks.
- ▶▶: Skips to the beginning of the next or succeeding tracks.



### To go to another group on the MP3 disc

Press GROUP/PRESET UP or GROUP/PRESET DOWN repeatedly during playback.

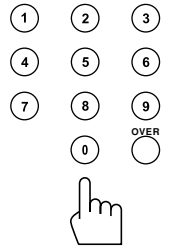


## To go to another track directly using the number buttons



### On the remote control ONLY:

Pressing the number button(s) before or during playback allows you to start playing the track number you want.



Ex.: For track number 5, press 5.

For track number 10, press OVER, 1, 0.

For track number 15, press OVER, 1, 5.

#### For MP3 disc only:

For track number 10, press OVER, 0, 1, 0.

For track number 15, press OVER, 0, 1, 5.

## To Resume the Tracks—Resume Play



### On the remote control ONLY:

Press RESUME.

The unit resumes playback from the position where playback has been stopped while the disc is still in the tray.



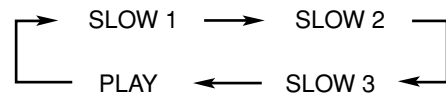
## Slow-motion Playback



### On the remote control ONLY:

Press SLOW while playing.

- Each time you press the button, playback speed changes and slow indication appears on the TV as follows:



To exit from Slow-motion Playback, press SLOW repeatedly until “PLAY” appears on the TV.

## 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 40 tracks.**

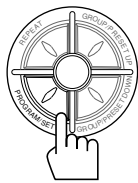
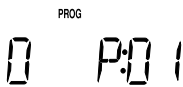
- To use Repeat play (see page 18) for Program play, press REPEAT after starting Program play.
- Program play is not available when playing back a VCD 2.0 with the PBC function. (See page 21 for playing back a VCD 2.0 with the PBC function.)

### 1 Load disc.

- If the current playing source is not the disc player, press CD before going to the next step.

### 2 Press PROGRAM/SET.

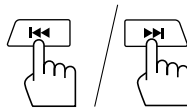
The PROG indicator lights up on the display.



- “PROGRAM MENU” appears on the TV, then the programming information appears on the TV.

### 3 Select a track from the disc. Press ◀◀ or ▶▶ to select the track number.

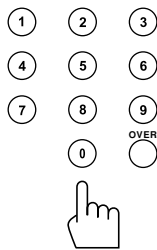
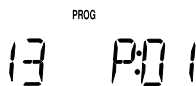
- To program from MP3 disc, press GROUP/PRESET UP or GROUP/PRESET DOWN to select a group, then press ◀◀ or ▶▶ to select a track in the group.



#### On the remote control ONLY:

#### Press the number buttons.

- For how to use the number buttons, see “To go to another track directly using the number buttons” on page 16.



### 4 Press PROGRAM/SET.



### 5 Repeat steps 3 and 4 to program other tracks if you want.

### 6 Press ▶/II.

The tracks are played in the order you have programmed.



To stop during play, press ■.

The unit stops Program play.

### To check the program contents

Before playing, you can check the program contents by pressing PROGRAM/SET.

- Each time you press the button, the programmed tracks are shown on the display.

### To add tracks in the program

- 1 Press PROGRAM/SET repeatedly until “0” appears as the track number.
- 2 Enter the track number(s) you want to add by repeating steps 3 and 4 on the left.

### To edit the program

- 1 Press PROGRAM/SET repeatedly to show the program number you want to edit.
- 2 Enter the track number you want by following steps 3 and 4 on the left.

### To erase a programmed track

- 1 Press PROGRAM/SET repeatedly to show the program number you want to erase.
- 2 Press ◀◀ or ▶▶ repeatedly until “0” appears as the track number.
- 3 Press PROGRAM/SET.

### To erase the entire program

Press ■ while the playback is stopped.

The PROG indicator goes off from the display.

- The programmed tracks are also erased in the following cases:
  - Pressing ▲ OPEN to open the disc door.
  - Changing the source.
  - Turning off the unit.



#### If you cannot enter a track number

You are trying to program a track number that does not exist on the disc (for example, selecting track 14 on a CD that only has 12 tracks).



#### After you have programmed 40 tracks

“-- FULL --” appears on the display, and the program number returns to “P:01”. Programming more tracks overwrites the tracks already programmed to those numbers.

## Playing at Random— Random Play



The tracks of loaded disc will play at random.

- To use Repeat play for Random play, press REPEAT so that REPEAT ALL indicator lights up on the display after starting Random play. (You cannot select Repeat 1 during Random play.)
- To use Random play for a VCD 2.0 with the PBC function, deactivate the PBC function. (See page 21.)

### On the remote control ONLY:

#### 1 Load disc.

- If the current playing source is not the disc player, press CD before going to the next step.

#### 2 Press RANDOM.

The RANDOM indicator appears on the display and Random play starts. “RANDOM PLAY” appears on the TV.

- If you press RANDOM during normal playback, Random play starts after the current track ends. “RANDOM ON” appears on the TV.

RANDOM  
5 00:03

The tracks are played at random.  
Random play ends when all the tracks are played once.

**To skip the currently playing track, press ►►.**

**To stop Random play, press ■.**

The unit exits from the Random play.

**To exit from Random play during Random play**

Press RANDOM.

The RANDOM indicator goes off from the display.  
“RANDOM OFF” is shown on the TV.

## Playing Repeatedly— Repeat Play

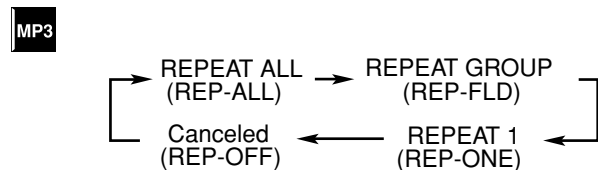
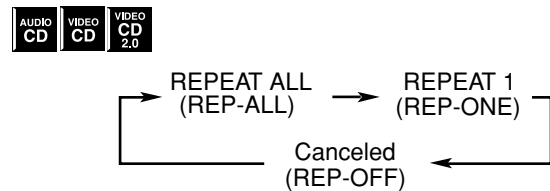
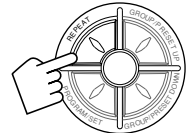


You can have the disc, the program or the individual track currently playing repeat as many times as you like.

- To use Repeat play for a VCD 2.0 with the PBC function, deactivate the PBC function. (See page 21.)

### Press REPEAT.

- To use Repeat play for Program play or Random play, press REPEAT before starting playback.
- Each time you press the button, Repeat play mode changes as follows, and the Repeat indicators light up on the display. (The indications in parentheses are shown on the TV also.)



**REPEAT ALL:** Repeats all the tracks (continuously or at random), or all the tracks in the program. (REP-ALL)

**REPEAT 1:** Repeats one track. (REP-ONE)  
(In Random Play, this function is not available.)

**MP3 only**

**REPEAT GROUP:** Repeats all the tracks in a group. (REP-FLD)  
(In Program Play and Random Play, this function is not available.)

**To stop Repeat play, press ■.**

**To exit from Repeat play during Repeat play**

Press REPEAT repeatedly until Repeat indicator goes off from the display.

## Repeating a Desired Portion—A-B Repeat



You can repeat playback of a desired portion by specifying the beginning (point A) and the ending (point B).

- You cannot use A-B Repeat before playback.
- A-B repeat can be used only within the same track.

### On the remote control ONLY:

#### 1 Press A→B at the beginning of the portion you want to repeat (point A).

The A→ indicator appears on the display.  
“SET A” appears on the TV.



A→  
8 12:03

#### 2 Press A→B at the end of the portion you want to repeat (point B).

The A→B indicator appears on the display.  
“A TO B” appears on the TV.



A→B  
8 12:23

A-B repeat playback starts.

To return to the normal playback, press A→B.  
“CLEAR A TO B” is shown on the TV and the A→B indicator goes off from the display.

## Selecting the Audio Channel—L/R Function



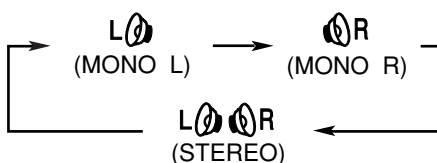
When you playback a VCD, you can change the audio channel to play.

### On the remote control ONLY:

Press L/R.

L, R, or L R indicators light up on the display and “MONO L,” “MONO R” or “STEREO” appears on the TV.

- Each time you press the button, the audio channel changes as follows.



L (MONO L): To listen to the left audio channel.

R (MONO R): To listen to the right audio channel.

L R (STEREO): To listen to normal stereo playback.

## To Locate a Particular Point in a Track Directly Using the Number Buttons—Go To



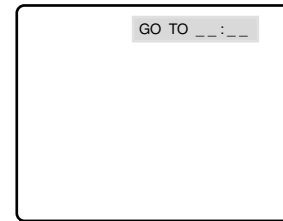
You can move to a particular point by specifying the elapsed playing time from the beginning.

- There is a time limit in doing the following steps. If the setting is canceled before you finish, repeat the procedure again.

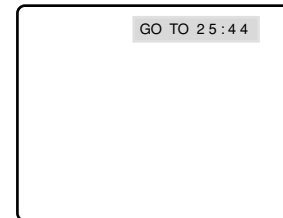
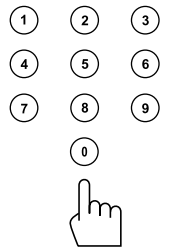
### On the remote control ONLY:

#### 1 Press GOTO while playing back a VCD.

“GO TO \_ : \_” appears on the TV.



#### 2 Enter the time (minutes and seconds) you want to start playback.



Ex.: For the time “00 : 05”, press 0, 0, 0 then 5.

For the time “11 : 15”, press 1, 1, 1 then 5.

Playback starts from the entered time.

- The selectable time is not a track time, but total time of the VCD.

### To cancel a mis-entry

Press GOTO and enter the time again.



#### When the time limit comes

“GO TO X X : X X” appears on the TV, then the unit returns to normal playback.

## Using the Digest Menu



### On the remote control ONLY:

Press **DIGEST** before playing.



The unit starts playing the first 10 seconds of all the tracks—Intro Scan.

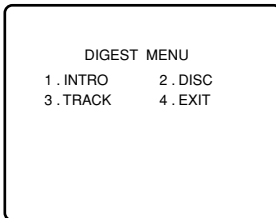
“INTRO SCAN” appears on the TV.

To resume normal playback, press **DIGEST**.



Digest menu appears on the TV.

- When the PBC function is activated, pressing **DIGEST** cancels the PBC function to show the **DIGEST** menu.



### INTRO:

To select **INTRO**, press 1.

The unit starts playing the first 10 seconds of all the tracks.

“INTRO SCAN” appears on the TV.

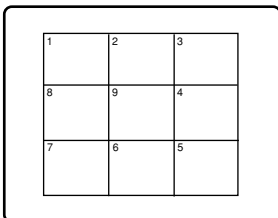
To resume normal playback, press **DIGEST**.

### DISC:

To select **DISC**, press 2.

The unit shows the first image of all the tracks on the disc in every 9 tracks—Disc Scan.

“DISC SCAN” appears on the TV, then Disc Scan starts.



Press **▶▶** to show images of next 9 tracks, press **◀◀** to show previous 9 tracks.

Press number button(s) to start playback. (See page 16 for how to use the number buttons.)

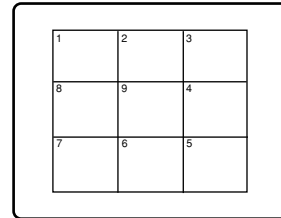
To exit from Disc Scan, press **■**.

### TRACK:

To select **TRACK**, press 3.

The unit shows the first track of the disc in 9 division—Track Scan.

“TRACK SCAN” appears on the TV, then Track Scan starts.



Press **▶▶** to show next track, press **◀◀** to show previous track.

Press number button(s) to start playback. (See page 16 for how to use the number buttons.)

To exit from Track Scan, press **■**.

### EXIT:

To exit from Digest menu, press 4.

## Displaying the Playback Information



### On the remote control ONLY:

Press **OSD**.



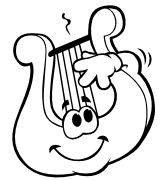
The playback information appears on the TV.

- Each time you press the button, playback information appears and disappears alternately.
- You can change the playback information by pressing **CLOCK/REMAIN**. (See “Changing the Playback Information” on the next page.)



The ID3 tag information is shown on the display. (When the track does not have ID3 tag, “NO INFO” appears on the display.)





## Changing the Playback Information

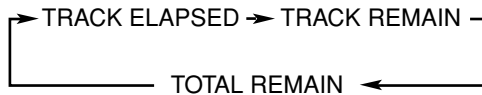


You can change the playback information.

### Press and hold CLOCK/REMAIN while playing.



- Each time you press and hold the button, the playback information is shown on the display and TV as follows:



Ex.:When TOTAL REMAIN is selected on the display



- TRACK ELAPSED:** Elapsed playing time of the track.
- TRACK REMAIN:** Remaining time of the current track.
- TOTAL REMAIN:** Remaining time of the disc.

**notes** While playing an MP3 disc and a VCD 2.0 disc with the PBC function  
This function is not available.

## Operating a VCD with PBC Function (Playback Control)



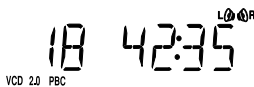
The Playback Control function (PBC) allows you to operate the VCD 2.0 disc using menus on the TV.

- The PBC function is not available for some VCDs, even if "VCD 2.0" appears on the TV when loading the disc.

### On the remote control ONLY:

#### 1 Load a VCD version 2.0 disc.

The PBC function turns on and the PBC indicator lights up on the display.

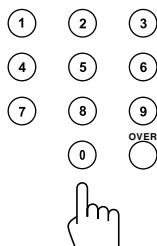


The PBC menu appears on the TV.

- A menu can be a list of items, divided screens, or some movies (see "PBC operation concept" on the right.)

#### 2 Select the item or submenu you want using the number buttons.

- Repeat this step to select an item from submenu. The playback of the selected item starts automatically.
- For how to use the number buttons, see "To go to another track directly using the number buttons" on page 16.



### To deactivate the PBC function

Press PBC while the playback is stopped.

- Each time you press the button, the PBC function turns on and off alternately.



### To stop playback

Press ■.

### To return to the previous menu

#### On the remote control ONLY:

Press RETURN.

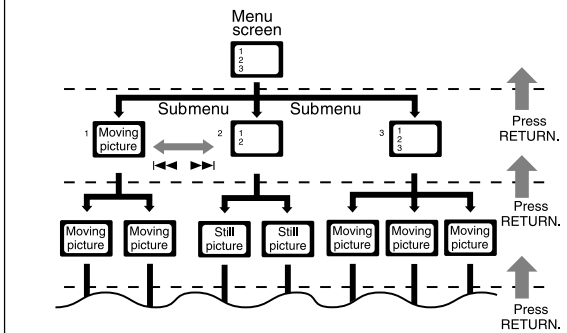


### To exit from the PBC playback

Press ■, then press PBC.

- You cannot activate or deactivate the PBC function while playing.

### PBC operation concept



#### While the PBC indicator lights

There are priorities of some functions as follows:

- Repeat Play is not available.
- Random Play is not available.
- Before playing, Program Play is available. (PBC function is canceled.)
- While playing, Program Play is not available. (PBC function is not canceled.)

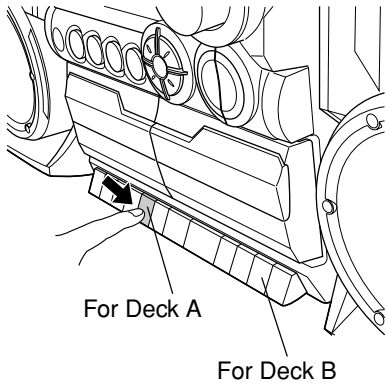
# Playing Back Tapes



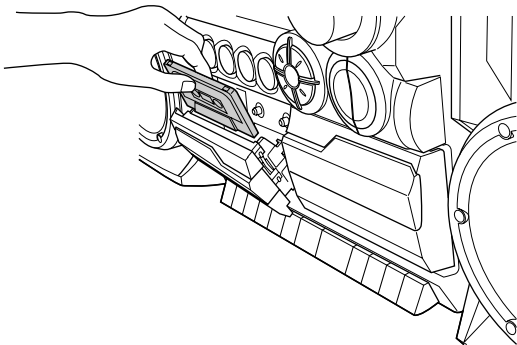
You can play back only type I (Normal) tapes.

## Playing Back a Tape

**1** Press STOP/EJECT ■/▲ for the deck you want to use.



**2** Put a cassette in, with the exposed part of the tape down.



**3** Close the cassette holder gently.

**4** Press TAPE.



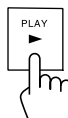
**On the remote control:**

Press TAPE/AUX repeatedly to select TAPE.



**5** Press PLAY ►.

The tape play starts.



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

To stop during play, press STOP/EJECT ■/▲.

To operate the other deck, press STOP/EJECT ■/▲, then PLAY ► on the other deck.

To fast wind to the left or to the right, press REW ◀◀/ FF ▶▶ while the tape is not running.

To remove the cassette, press STOP/EJECT ■/▲.

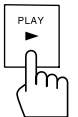
To play the tapes in the decks B and A continuously

**1** Set the cassette tapes in the decks A and B.

- If the source is not TAPE, select the tape for source. (See page 10.)
- If the tape direction is set wrong, replace the cassette.

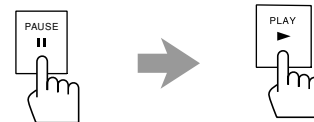
**2** Press PLAY ► for the deck B.

The tape in the deck B begins to play.



**3** Press PAUSE ||, then press PLAY ► for the deck A.

When the tape in the deck B ends, the tape in the deck A automatically begins to play.



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:

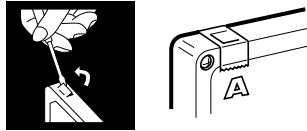
- It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.
- The recording level is automatically set correctly, so it is not affected by the VOLUME +/- . Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
- While recording, you can hear sound modes through the speakers or headphones (see page 11). However, the sound is recorded without these effects.
- If recordings you have made have excessive noise or static, the unit may be too close to a TV. Increase the distance between the TV and the unit.
- You can use only type I (Normal) tapes for recording.

## 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.



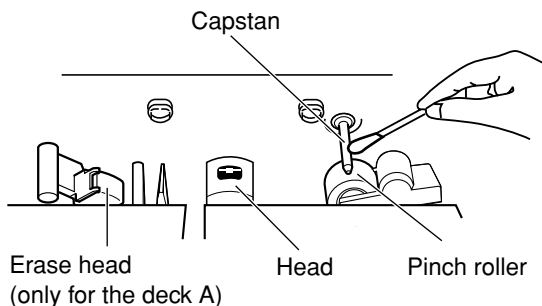
## To keep the best recording and playback sound quality

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.



## To demagnetize the heads

Turn off the unit, and use a head demagnetizer (available at electronics and CD shops).

**As the erase head of the unit is of magnetic type, do not demagnetize it.**

## Recording onto a Tape on Deck A

### On the unit ONLY:

**1** Put a recordable cassette into the deck A with the exposed part of the tape down.

- See also page 22.

**2** Close the cassette holder gently.

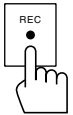
**3** Start playing the source—FM, AM\*, disc player, deck B, or auxiliary equipment connected to AUX IN jacks.

- When the source is disc, you can also use Disc Synchronized Recording (see page 24).
- When the source is the deck B, you can also use the dubbing method. (See “Dubbing Tapes” on page 24.)

\* See “To reduce the beat—Beat Cut” below.

**4** Press REC ● for the deck A.

The recording starts.



To stop during recording, press STOP/EJECT ■/▲ for the deck A.

To remove the cassette, press STOP/EJECT ■/▲ for the deck A.



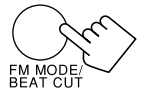
**You cannot press REC ● in the following cases:**

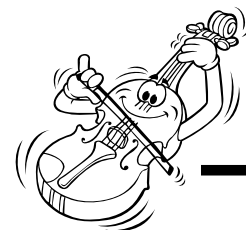
- If no cassette is inserted.
- If a protected tape is inserted.

## To reduce the beat—Beat Cut

If the beats are heard while recording an AM broadcast, press FM MODE/BEAT CUT repeatedly until the beats are reduced.

Each time you press the button, the display alternates between “CUT – 1” and “CUT – 2”.





## Dubbing Tapes

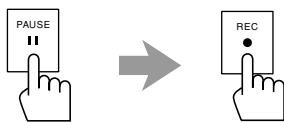
### On the unit ONLY:

**1** Press TAPE.

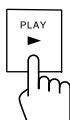


**2** Put the source cassette into the deck B, and a recordable cassette into the deck A.

**3** Press PAUSE **II**, then press REC ● for the deck A.



**4** Press PLAY ► for the deck B.  
Dubbing starts.



To stop during dubbing, press STOP/EJECT **■/▲** for the deck A and B.



**When the TV is connected to this unit**  
Noise will be heard while dubbing. Disconnect the TV from the unit.

## Recording Disc

### —Disc Synchronized Recording

You can start disc play and recording at the same time.

### On the unit ONLY:

**1** Put a recordable cassette into the deck A with the exposed part of the tape down.

- See also page 22.

**2** Close the cassette holder gently.

**3** Press CD to select the disc player as the source.

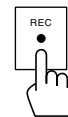
- If you want to record tracks in the desired order, program the playing order (see page 17).



**4** Press REC ●.

The disc playback and recording start automatically. The CD SYNC indicator appears on the display.

- If you press REC ● while playing back the disc, recording starts from the time you press REC ●.



CD SYNC

1 00:03

- **When the tape is reached at its end**, recording stops and the disc playback is paused. To record the succeeding tracks, turn over the cassette (or put another cassette), then press REC ●.
- **When disc playback ends**, press STOP/EJECT **■/▲** to stop the recording.

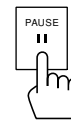


**You cannot press REC ● in the following cases:**

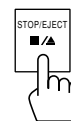
- If no cassette is inserted.
- If a protected tape is inserted.

**To stop recording for a moment**, press PAUSE **II**. The recording is paused, but the disc playback does not stop.

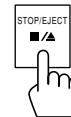
To resume recording, press PAUSE **II** again.



**To stop recording**, press STOP/EJECT **■/▲**. The recording stops and the disc playback is paused.



**To remove the cassette**, press STOP/EJECT **■/▲** while recording is stopped.



# Maintenance

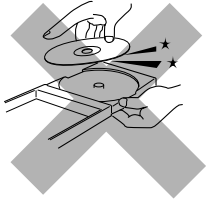


To get the best performance of the unit, keep your discs, tapes, and mechanism clean.

## 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.



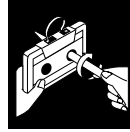
- Be careful not to scratch the surface of the disc when placing it back in its case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.



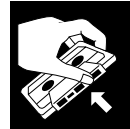
### To clean the disc

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

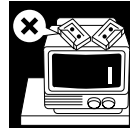
## Handling cassette tapes



- 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



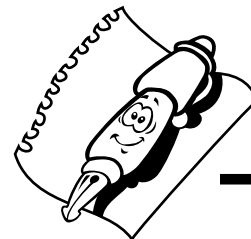
DO NOT use any solvent—such as conventional record cleaner, spray, thinner, or benzine—to clean the disc.

# 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.	<ul style="list-style-type: none"> <li>• Connections are incorrect or loose.</li> <li>• Muting is activated.</li> </ul>	<ul style="list-style-type: none"> <li>• Check all connections and make corrections. (See pages 6 – 9.)</li> <li>• Press MUTING to cancel the muting. (See page 11.)</li> </ul>
The disc sound is discontinuous.	The disc is scratched or dirty.	Clean or replace the disc. (See above.)
No picture is displayed on the TV.	The video cord is not connected correctly.	Connect the video cord correctly. (See page 7.)
The disc does not play.	The disc is placed upside down.	Place the disc with the label side up.
Impossible to record.	Small tabs on the back of the cassette are removed.	Cover the holes with adhesive tape.
Operations are disabled.	The built-in microprocessor may malfunction due to external electrical interference.	Unplug the AC power cord after removing the batteries from the unit, and then plug it back in.
Unable to operate the unit from the remote control.	<ul style="list-style-type: none"> <li>• The path between the remote control and the remote sensor on the unit is blocked.</li> <li>• The batteries are exhausted.</li> </ul>	<ul style="list-style-type: none"> <li>• Remove the obstruction.</li> <li>• Replace the batteries.</li> </ul>



## Amplifier section—CA-PCX292V

Output Power: 5 W + 5 W at 3  $\Omega$  (10% THD)

Audio input sensitivity/Impedance (at 1 kHz)

AUX: 1 000 mV/47 k $\Omega$

Video output:

Color system: NTSC/PAL selectable

VIDEO (composite): 1V(p-p)/75  $\Omega$

Speakers/Impedance: 3  $\Omega$  – 16  $\Omega$

## Tuner

FM tuning range: 87.5 MHz – 108.0 MHz

AM tuning range:

At 9 kHz intervals: 531 kHz – 1 710 kHz

At 10 kHz intervals: 530 kHz – 1 710 kHz

## CD player

Disc Capacity: 1 disc

Dynamic range: 60 dB

Signal-to-noise ratio: 75 dB

## Cassette deck

Frequency response

Normal (type I): 50 Hz – 10 000 Hz

Wow and flutter: 0.15% (WRMS)

## General

Power requirements: AC 110 V – 127 V/220 V – 240 V $\sim$   
(adjustable with the voltage selector),  
50 Hz/60 Hz  
DC 12 V (“R20(SUM-1)/D(13D)” batteries (x 8))

Power consumption: 30 W (at operation)

2 W (on standby)

Dimensions (approx.): 270 mm x 274 mm x 298 mm (W/H/D)

Mass (approx.): 4.1 kg

## Supplied accessories

See page 6.

## Speaker section—SP-PCX292V

Type: 2-way bass-reflex, magnetically shielded type

Speaker units: Woofer: 10 cm cone x1

Tweeter: 5 cm cone x1

Power handling capacity: 5 W

Impedance: 3  $\Omega$

Frequency range: 50 Hz – 18 000 Hz

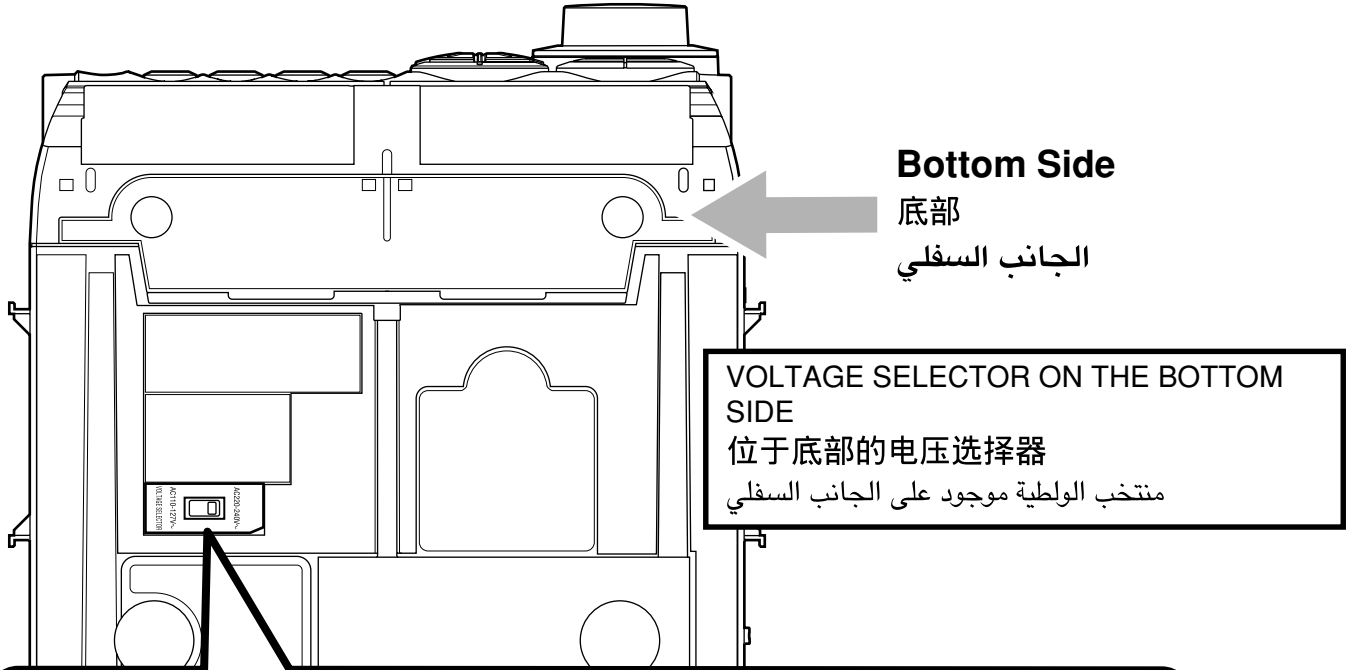
Dimensions (approx.): 180 mm x 270 mm x 228 mm (W/H/D)

Mass (approx.): 1.7 kg each

# Mains (AC) Line Instruction

主 (AC) 电源线路说明

تعليمات خط التيار الكهربائي (AC) الرئيسي



## IMPORTANT for mains (AC) line

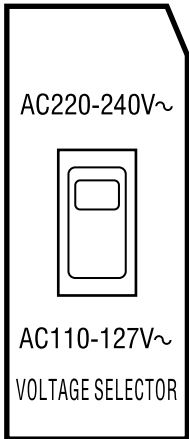
BEFORE PLUGGING IN, do check that your mains (AC) line voltage corresponds with the position of the voltage selector switch provided on the outside of this equipment and, if different, reset the voltage selector switch, to prevent from a damage or risk of fire/electric shock.

## 有关主 (AC) 电源线路的重要说明

接插电源以前，请务必检查当地的主 (AC) 电源线路电压是否和位于本机外部的电压选择器开关设定的位置相一致。如果不一致，请重新设定电压选择器开关使其符合当地电压，以免损坏机器或引起火灾/触电的危险。

## هام لخط الطاقة الكهربائية (AC)

قبل توصيل الجهاز بالطاقة الكهربائية، تأكد من ان فولطية خط الطاقة الكهربائية (AC) يتطابق مع وضع مفتاح منتخب الفولطية الموجود على خارج هذا الجهاز، واذا اختلف وضع منتخب الفولطية، اعد ضبط مفتاح منتخب الفولطية على الوضع الصحيح، وذلك لتجنب الضرر او خطر الحريق/الصدمة الكهربائية.



# JVC