JVC®

MICRO COMPONENT SYSTEM
微型组合音响

UX-A52 — Consists of CA-UXA52 and SP-UXA52
由 CA-UXA52 及 SP-UXA52 组成
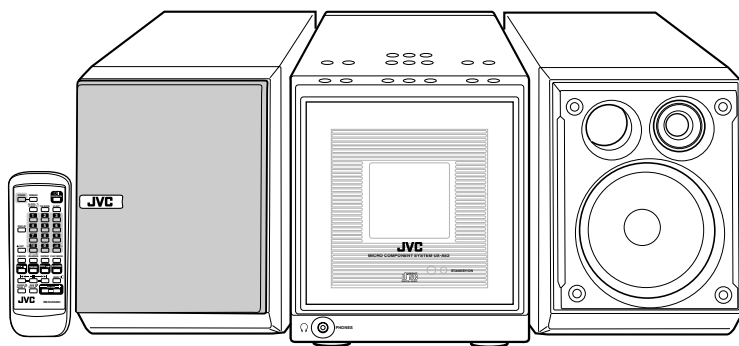
COMPACT
disc
DIGITAL AUDIO

INSTRUCTIONS
使用说明书

For Customer Use:
Enter below the Model No. and Serial
No. which are located either on the rear,
bottom or side of the cabinet. Retain this
information for future reference.

Model No. _____

Serial No. _____

Warnings, Cautions and Others
警告，注意及其他须知事项

Caution — ⏻/I STANDBY/ON button!
Disconnect the mains plug to shut the power off completely (the STANDBY/ON lamp goes off).
The ⏻/I STANDBY/ON button in any position does not disconnect the mains line.
• When the unit is on standby, the STANDBY/ON lamp lights red.
• When the unit is turned on, the STANDBY/ON lamp lights green.

The power can be remote controlled.

注意— ⏻/I STANDBY/ON 开关！
无论 ⏻/I STANDBY/ON 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（**STANDBY/ON** 灯熄灭）。
• 当主机正处于备用状态，**STANDBY/ON** 灯为红色。
• 当主机开启后，**STANDBY/ON** 灯为青色。

电源开关可用遥控器控制。

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.

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.

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。

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。
- 切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。

Caution: Proper Ventilation

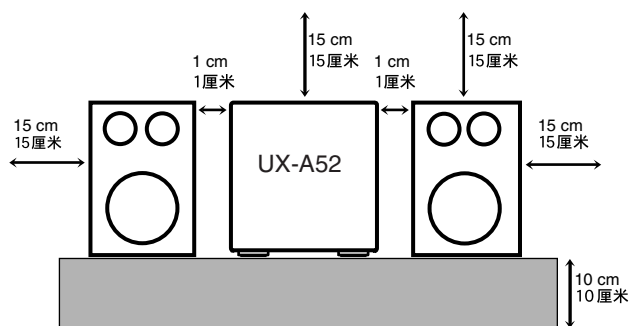To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
1 Front: No obstructions and open spacing.
2 Sides/ Top/ Back: No obstructions should be placed in the areas shown by the dimensions below.
3 Bottom: Place on the level surface. Maintain an adequate air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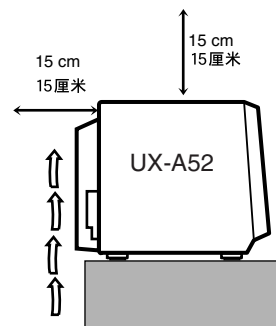
注意：正确通风

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。

Front view
正面

Side view
侧面

15 cm
15厘米

1 cm
1厘米

15 cm
15厘米

1 cm
1厘米

15 cm
15厘米

15 cm
15厘米

15 cm
15厘米

UX-A52

UX-A52

15 cm
15厘米

15 cm
15厘米

10 cm
10厘米

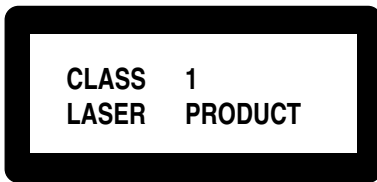## IMPORTANT FOR LASER PRODUCTS /雷射产品的重要说明

REPRODUCTION OF LABELS / 标签内容说明

① CLASSIFICATION LABEL, PLACED ON EXTERIOR SURFACE

① 分类标签，贴在外部表面

② WARNING LABEL, PLACED INSIDE THE UNIT

② 警告标签，贴于机内

> CLASS 1
> LASER PRODUCT

DANGER : Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM.　　　(e)

VARNING : Osynlig laser-strålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.　　　(s)

ADVARSEL : Usynlig laser-stråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgåudsæt-telse for stråling.　　(d)

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättö-mälle 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. 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。

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:

• **This manual mainly explains playback using the remote control, and the other operations such as recording operations using the buttons on the unit. You can use the buttons both on the remote control and on the unit for the same operations if they have the same or similar names (or marks), unless mentioned otherwise.**

• 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 "Basic and Common Operations" on pages 10 – 13.

• The following marks are used in this manual:

STOP!	Gives you warning and caution to prevent from damage or risk of fire/electric shock. Furthermore, gives you information which is not good for obtaining the best possible performance from the unit.
notes	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 buildup in the unit.
• Leave sufficient distance between the unit and the TV.
• Keep the speakers away from the TV to avoid interference with TV.

STOP!	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 the unit from the wall outlet, always pull the plug, not the AC power cord.

STOP!	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, then plug it in again.

Others

• Should any metallic object or liquid fall into the unit, unplug the AC power cord 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.

STOP!	DO NOT disassemble the unit since there are no user serviceable parts inside.

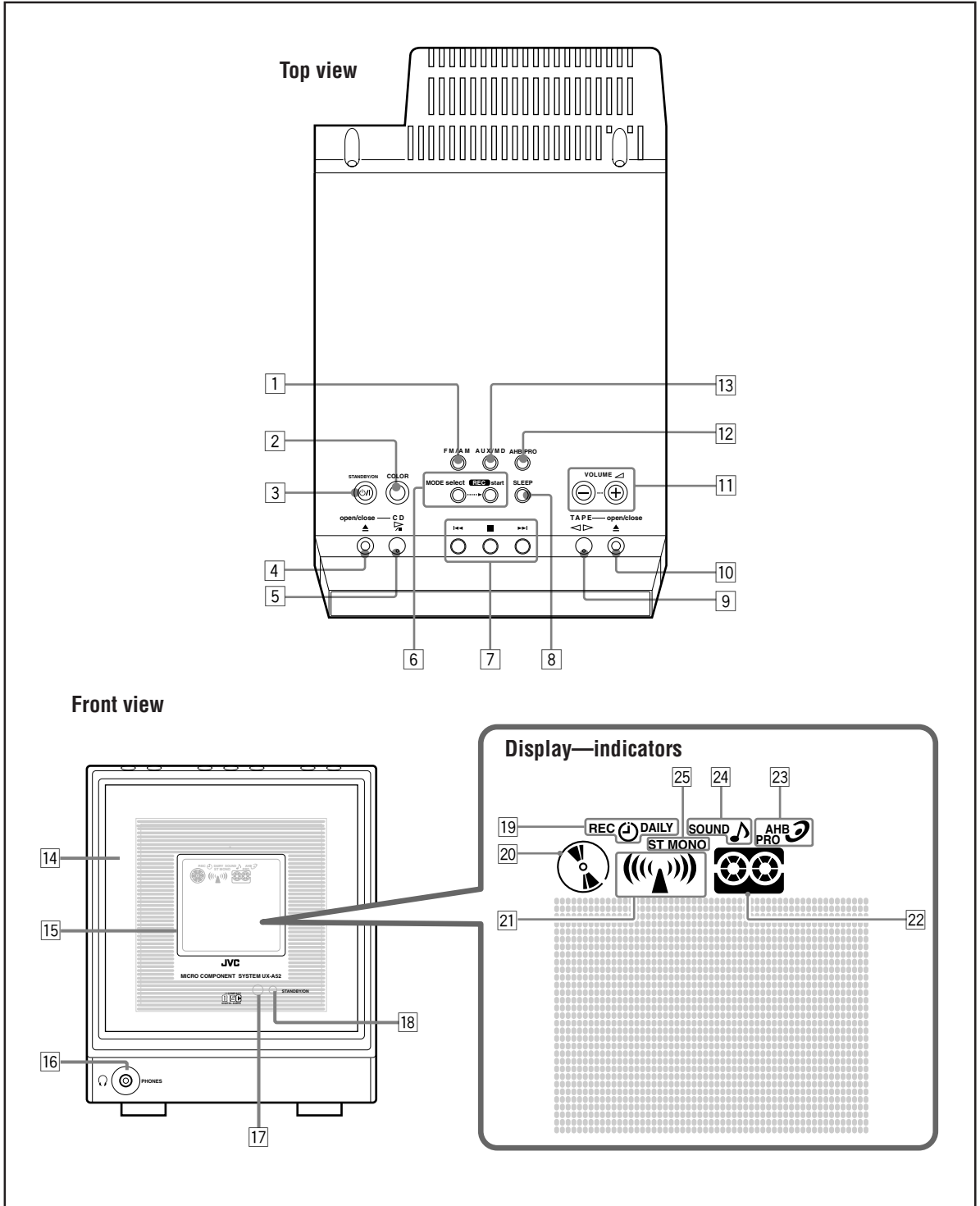If anything goes wrong, unplug the AC power cord and consult your dealer.

Contents

Location of the Buttons

Become familiar with the buttons on your unit.

Main Unit

Top view

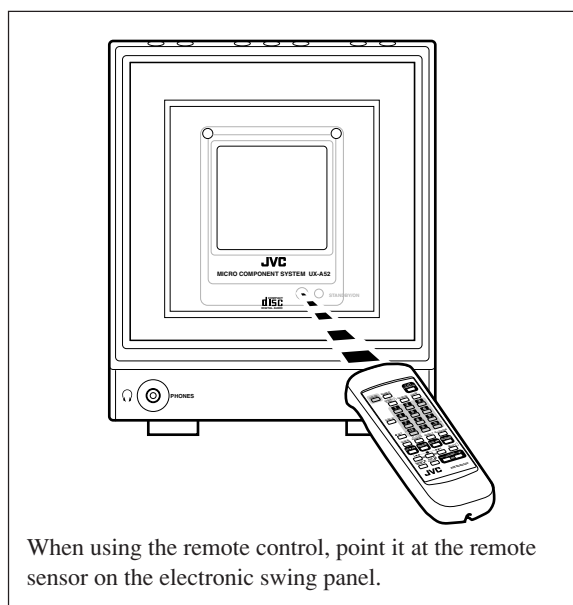**Front view**

Display—indicators
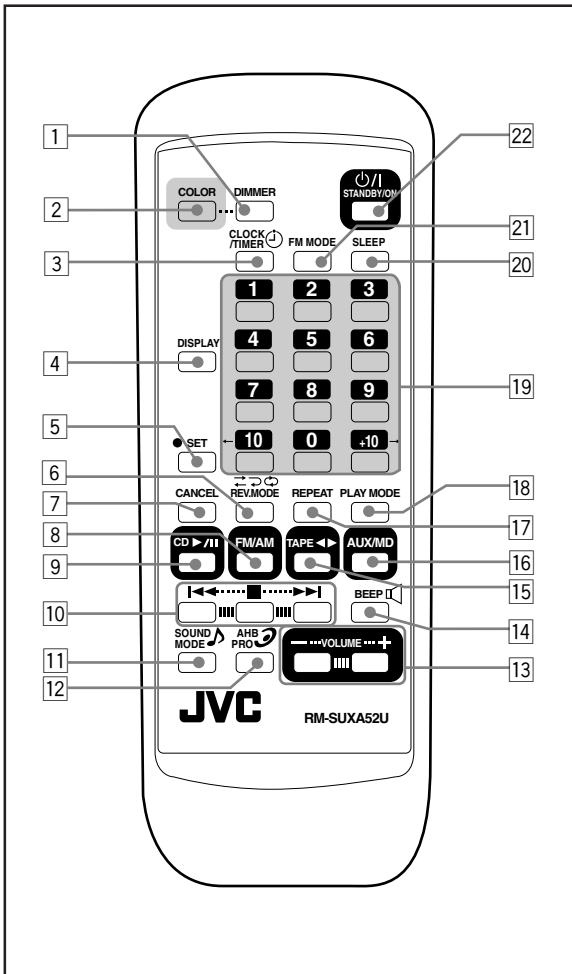
See pages in the parentheses for details.

Main unit
1. FM/AM button (11, 15)
   • *Pressing this button also turns on the unit.*
2. COLOR button (9, 13)
3. ⏻/❙ STANDBY/ON button (11, 15)
4. CD open/close ▲ button (18 – 20)
   • *Pressing this button also turns on the unit.*
5. CD ▷ / ❙❙ (play/pause) button (11, 18, 28)
   • *Pressing this button also turns on the unit.*
6. MODE select and REC start buttons (28, 29)
7. Multi operation buttons
   • ◀◀ (reverse skip), ■ (stop), and ▶▶❙ (forward skip)
8. SLEEP button (34)
9. TAPE ◁ ▷ (play) button (11, 23, 28, 29)
   • *Pressing this button also turns on the unit.*
10. TAPE open/close ▲ button (23)
    • *Pressing this button also turns on the unit.*
11. VOLUME + / – buttons (12, 25)
12. AHB (Active Hyper Bass) PRO button (12, 25)
13. AUX/MD button (11, 25, 29)
    • *Pressing this button also turns on the unit.*
14. Electronic swing panel
15. Display
    • Shows the source name and some indicators, etc.
16. PHONES (⌒) jack—stereo mini-type (12)
17. Remote sensor
18. STANDBY/ON lamp (11)

Display—indicators
19. Timer mode indicators (31 – 34)
    • ⏱ (Timer), DAILY (Daily Timer), and REC (Recording Timer)
20. CD indicator
    • Lights when CD is in the disc tray.
21. Tuner indicator
    • Lights when the tuner is selected as the source.
22. Tape indicator
    • Lights when a cassette is in the cassette loading slot.
23. AHB (Active Hyper Bass) PRO indicator (12)
24. SOUND indicator (12)
25. ST (stereo) and MONO indicators (15)

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

Remote Control

Remote control

1 DIMMER button (13, 31)
2 COLOR button (9, 13)
3 CLOCK/TIMER button (31 – 33)
4 DISPLAY button (16, 19, 23, 28, 29)
5 SET button (13, 15, 31 – 34)
6 REV. (reverse) MODE button (23)
7 CANCEL button (20, 31, 32)
8 FM/AM button (11, 15, 16)
  • *Pressing this button also turns on the unit.*
9 CD ► / ❚❚ (play/pause) button (11, 18 – 21)
  • *Pressing this button also turns on the unit.*
10 Multi operation buttons
  • |◄◄ (reverse skip), ■ (stop), and ►►| (forward skip)
11 SOUND MODE button (12, 25)
12 AHB (Active Hyper Bass) PRO button (12, 25)
13 VOLUME + / – buttons (12, 25)
14 BEEP button (12)
15 TAPE ◄ ► button (11, 23)
  • *Pressing this button also turns on the unit.*
16 AUX/MD button (11, 25)
  • *Pressing this button also turns on the unit.*
17 REPEAT button (21)
18 PLAY MODE button (20, 21)
19 Number buttons
  • 0, 1 – 10, +10 buttons
  • ← / → buttons (13)
20 SLEEP button (34)
21 FM MODE button (15)
22 ⏻/❘ STANDBY/ON button (11, 32, 33)

Getting Started

Continued ➡

Unpacking

Make sure that you have all the following items.
The number in parentheses indicates the quantity of the pieces supplied.

• FM antenna (1)
• AM loop antenna (1)
• AC power cord (1)
• Remote control (1)
• Batteries (2)

If anything is missing, consult your dealer immediately.

Putting the Batteries into the Remote Control

Insert the batteries—R6P(SUM-3)/AA(15F)—into the remote control, by matching the polarity (+ and –) on the batteries with the + and – marking on the battery compartment.
When the remote control can no longer operate the unit, replace both batteries at the same time.

1

2

R6P(SUM-3)/AA(15F)

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.

– 6 –

Connecting Antennas

FM antenna

FM antenna (supplied)

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.**

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)

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

AM antenna

Vinyl-covered wire (not supplied)

AM loop antenna (supplied)

1 **If cords are covered with insulation, twist the core of the cord at the end of each cord, then remove the insulation.**

2 **Connect the AM loop antenna to the AM LOOP terminals as illustrated.**

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

To connect an outdoor AM antenna
When reception is poor, connect a single vinyl-covered wire to the AM EXT terminal and extend it horizontally. The AM loop antenna must remain connected.

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

To connect speakers
You can connect the speakers by following the procedure below:

1 Speaker terminals **3,4**

SPEAKER IMPEDANCE MIN 4Ω

Red

Speaker cord

Speaker cord

Black

Ⓡ

Ⓛ

Rear of the right speaker

Rear of the left speaker

1 **If cords are covered with insulation, twist the core of the cord at the end of each cord, then remove the insulation.**
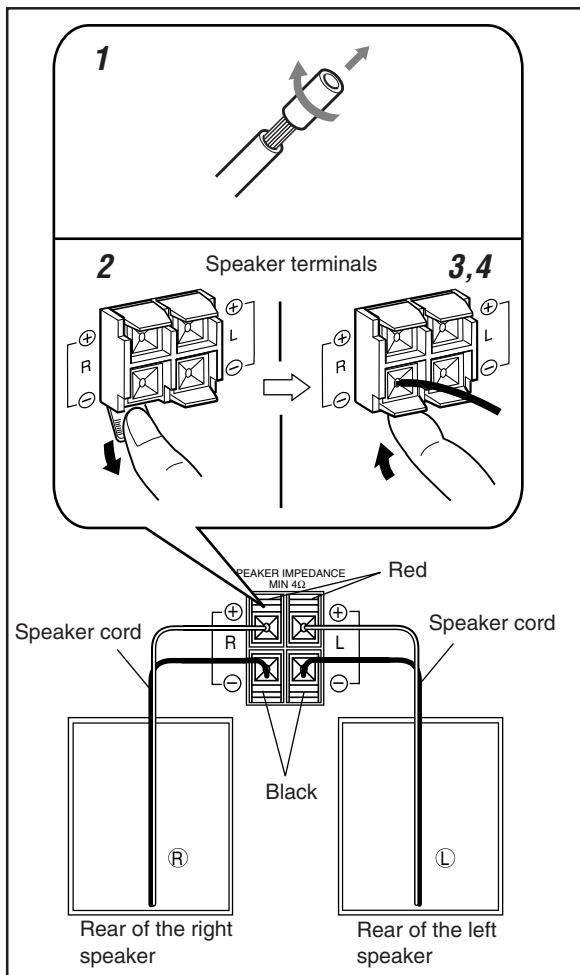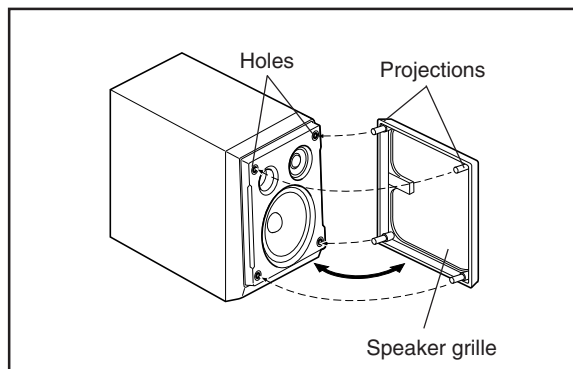
2 **Open the speaker terminal.**

3 **Insert the end of the speaker cord to the terminal.**
Match the polarity: White cord to red (+) terminal and black cord to black (–) terminal.

4 **Close the speaker terminal on the rear of the unit.**

Use only speakers with the speaker impedance—4 Ω to 16 Ω.

To remove the speaker grilles
The speaker grilles are removable.

Holes   Projections

Speaker grille

To remove the speaker grille, insert your fingers at the top of the speaker grille, then pull towards you. Do the same at the bottom.

To attach the speaker grille, put the projections of the speaker grille into the holes of the speaker.

Connecting Other Equipment

You can connect both of the analog and digital equipment. When you connect and use the equipment, refer also to its manual supplied.

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

To connect audio equipment with an optical digital input terminal
You can record CD sound onto the connected digital equipment.
Connect an optical digital cord (not supplied) between the optical digital input terminal on the other equipment and the OPTICAL DIGITAL OUT terminal.

OPTICAL DIGITAL OUT terminal

Protective cap

Before connecting the other equipment, remove the protective cap from the terminal.

Audio equipment with an optical digital input

To connect analog audio equipment

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

LINE IN (AUX)

To output

Analog audio equipment

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

NOW, you can plug the AC power cord.

IMPORTANT: Be sure to check all connections to be done before plugging the AC power cord into a wall outlet.

AC power cord (supplied)

2 To a wall outlet

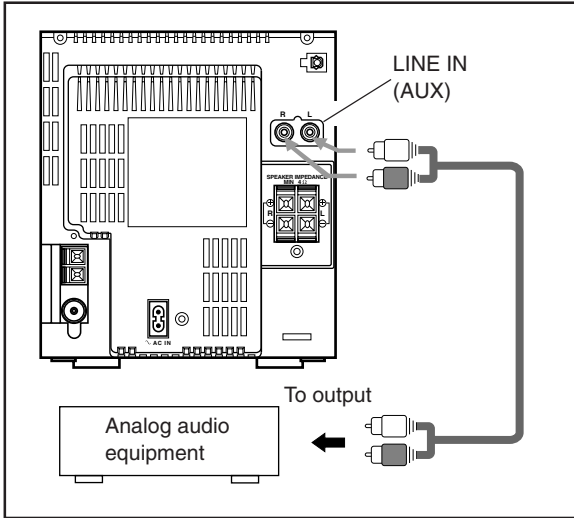**1** To the AC IN terminal

When connecting the AC power cord into a wall outlet, the unit automatically starts the display illumination.

To stop and cancel the display demonstration, press COLOR during display illumination—while the unit is turned off (on standby).

To start the display illumination manually, press COLOR again while the unit is turned off (on standby).

Basic and Common Operations

The buttons emphasized in the illustration below are used and explained in this section (pages 11 to 13).

Remote control

COLOR DIMMER

COLOR DIMMER

CLOCK/TIMER FM MODE SLEEP

⏻/❘ STANDBY/ON

⏻/❘ STANDBY/ON

DISPLAY

1 2 3
4 5 6
7 8 9
10 0 +10

● SET

● SET

CANCEL REV.MODE REPEAT PLAY MODE

← 10   0   +10 →

CD ▶/❚❚ FM/AM TAPE ◀▶ AUX?MD

|◀◀ ▶▶| BEEP ◁

SOUND MODE AHB PRO VOLUME

CD ▶/❚❚ FM/AM TAPE ◀▶ AUX/MD

|◀◀ ▶▶| BEEP ◁

SOUND MODE AHB PRO VOLUME − +

JVC RM-SUXA52U

Main unit (Top view)

FM/AM AUX/MD AHB PRO

STANDBY/ON COLOR

MODE select REC start SLEEP

VOLUME ∠

open/close ⏏ — C D ▷/❚❚

|◀◀ ■ ▶▶|

T A P E — open/close
◁▷ ⏏

Main unit (Front view)

COMPACT disc DIGITAL AUDIO STANDBY/ON

🎧 ◎ PHONES

Turning On the Power

When you press the play buttons (CD ► / II, TAPE ◄ ►) for a particular source or FM/AM and AUX/MD, the unit automatically turns on (and starts playback if the source is ready).

To turn on the unit without playing, press
⏻/I STANDBY/ON.
The STANDBY/ON lamp on the electronic swing panel lights green.

To turn off the unit (on standby), press
⏻/I STANDBY/ON again.
The STANDBY/ON lamp on the electronic swing panel lights red.
• "0:00" appears on the display until you set the built-in clock. After setting the clock, the clock time will appear on the display while the unit is turned off (on standby).
• A little power is always consumed even while the unit is on standby.

To set the built-in clock, see page 31.

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 setting, the tuner preset stations and other settings will be erased.

Selecting the Sources and Starting Play

To select the tuner, press FM/AM.
The unit automatically turns on (when the unit is on standby) and the last selected station is tuned in.
Each time you press FM/AM, the band alternates between FM and AM.
• For more detailed operations, see pages 14 to 16.

To select the CD player, press CD ► / II.
The unit automatically turns on (when the unit is on standby), and "CD" appears on the display. Play will start if a CD is on the disc tray. ("NO DISC" will appear on the display if a CD is not loaded.)
To stop playback, press ■.
• For more detailed operations, see pages 17 to 21.

To select the cassette deck, press TAPE ◄ ►.
The unit automatically turns on (when the unit is on standby), and "TAPE" appears on the display. Play will start if a cassette is in the cassette loading slot. ("NO TAPE" will appear on the display if a cassette is not in the cassette loading slot.)
To stop playback, press ■.
• For more detailed operations, see pages 22 and 23.

To select external equipment, press AUX/MD.
The unit automatically turns on (when the unit is on standby), and "AUX" appears on the display.
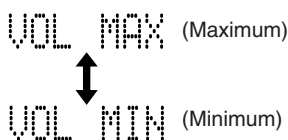• For more detailed operations, see pages 24 and 25.
• For operating the external equipment, see the manuals supplied with them.

Adjusting the Volume

You can adjust the volume level while the unit is turned on. The volume level has no effect on recording.

To increase the volume, press VOLUME +.
To decrease the volume, press VOLUME –.

VOL MAX (Maximum)

↕

VOL MIN (Minimum)

The volume level meter appears on the display.
• The volume level can be adjusted in 41 steps (VOL MIN, VOL 1 – VOL 39, and VOL MAX).
• When pressing and holding the button, you can change the volume level continuously.

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

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

Turning On/Off the Key-touch Tone

If you do not want the key-touch tone to beep each time you press buttons, you can deactivate it while the unit is turned on.

On the remote control ONLY:
Press BEEP.
• Each time you press the button, the key-touch tone turns on (BEEP ON) and off (BEEP OFF) alternately:
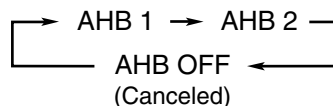
BEEP ON ↔ BEEP OFF

Reinforcing the Bass Sound

The richness and fullness of the bass sound is clearly maintained regardless of how low you set the volume— Active Hyper Bass PRO. You can select the bass effect levels while the unit is turned on. The AHB PRO can be applied only to playback sounds, and cannot be used for recording.

To get the effect, press AHB PRO.
The AHB PRO indicator lights on the display.
• Each time you press the button, the effect changes as follows:

→ AHB 1 → AHB 2 ─┐
└─ AHB OFF ◀─┘
(Canceled)

AHB 1: Bass sound is clearly heard even in the low volume.
AHB 2: Bass sound is more effective than AHB 1.
AHB OFF: Cancels the AHB PRO.
The AHB PRO indicator goes off from the display.

To check the AHB PRO setting currently selected, press AHB PRO once while the AHB PRO indicator is lit.

Selecting the Sound Modes

You can select one of the 4 preset sound modes while the unit is turned on. The sound modes can be applied only to playback sounds, and cannot be used for recording.
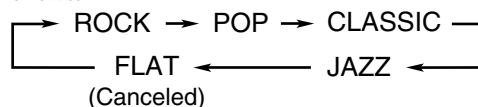
On the remote control ONLY:
To select the sound modes, press SOUND MODE repeatedly until the sound mode you want appears on the display.
The SOUND indicator also lights on the display.
• Each time you press the button, the sound mode changes as follows:

┌─ ROCK → POP → CLASSIC ─┐
└─ FLAT ◀─ JAZZ ◀─┘
(Canceled)

ROCK: Boosts low and high frequency.
Good for acoustic music.
POP: Good for vocal music or voice.
CLASSIC: Good for classical music.
JAZZ: Good for jazz music.
FLAT: Cancels the sound mode.
The SOUND indicator goes off from the display.

To check the sound mode currently selected, press SOUND MODE once while the SOUND indicator is lit.
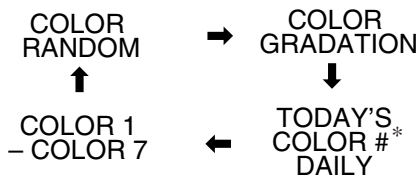
Setting the Display Illumination

You can change the color and brightness of the display illumination.

To select the color pattern

You can select the color pattern by your preference.

While the unit is turned on, press COLOR repeatedly until the color pattern you want appears on the display.
• Each time you press the button, the color pattern changes as follows:

COLOR RANDOM → COLOR GRADATION ↓ TODAY'S COLOR #* DAILY ← COLOR 1 – COLOR 7 ↑

COLOR RANDOM: Changes the illumination color randomly every 2 seconds.

COLOR GRADATION:

Changes the illumination color gradually.

TODAY'S COLOR #* DAILY:

Changes the illumination color every day. You can select which color to start with. (See "To select TODAY'S COLOR" to the right column.)

* The color number of TODAY'S COLOR is selected from COLOR 1 – 7.

COLOR 1 – 7: You can adjust and register the color from COLOR 1 to 7. (See "To adjust and register the color" to the right column.)

• If you press COLOR while the unit is turned off, the display illumination will start (see page 9).

✍ notes

More on the display illumination
• The colors shown on the display cannot always be reproduced precisely. Due to the circumstances (room temperature, etc.) where the unit is used, colors may vary slightly.
• When you change the color of the display, the display may seem to move back and forth; this is a characteristic of this unit and is not a malfunction.
• When a strong light strikes the display, the display happens to become dark, but this is not a malfunction.

To adjust and register the color

You can adjust the color by changing the tone, whiteness, brightness, and register into COLOR 1 to 7.
• There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step **1** again.

On the remote control ONLY:

1 **Press COLOR repeatedly until the color number (COLOR 1 to 7) you want to adjust appears on the display.**
The adjustment bars appear on the display.

TONE
WHITENESS
BRIGHTNESS

2 **Adjust the tone, whiteness, and brightness.**
  1) Press → or ← to select the level you want and press SET.
   • Each time you press SET, the adjustment items change.
   • The tone can be adjusted in 14 patterns. The whiteness can be adjusted in 3 levels and the brightness can be adjusted in 2 levels.

  2) Repeat 1) to adjust "WHITENESS" and "BRIGHTNESS."
   • If the whiteness is set to the right end, the tone you adjusted will be no longer valid.

To select TODAY'S COLOR

The illumination color changes automatically each time the built-in clock becomes "0:00."
• There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step **1** again.

On the remote control ONLY:

1 **Press COLOR repeatedly until "TODAY'S COLOR" appears on the display.**

2 **Press → or ← to select the color number (COLOR 1 to 7).**

To dim the display

This function can be used only while the unit is turned on.
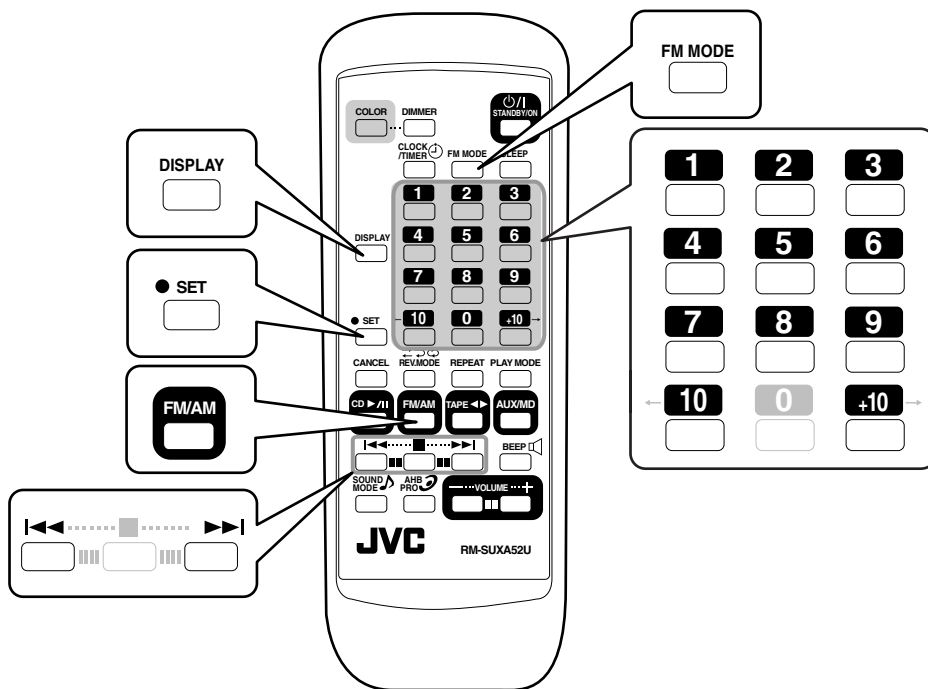
On the remote control ONLY:
To dim the display, press DIMMER.

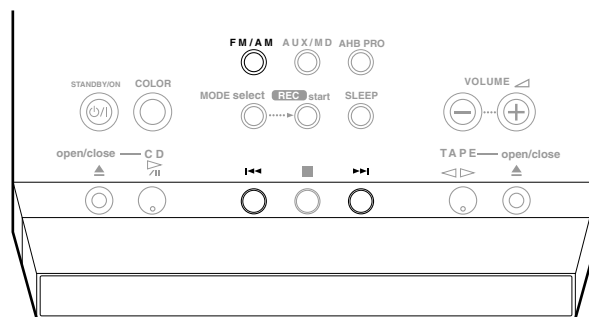**To brighten the display,** press DIMMER again.
• Pressing COLOR also brightens the display.

– 13 –

Listening to FM and AM Broadcasts

The buttons emphasized in the illustration below are used and explained in this section (pages 15 and 16).

Remote control

FM MODE

DISPLAY

SET

FM/AM

1	2	3
4	5	6
7	8	9
10	0	+10

JVC   RM-SUXA52U

Main unit (Top view)

FM/AM   AUX/MD   AHB PRO

STANDBY/ON   COLOR   MODE select   REC start   SLEEP   VOLUME

open/close — C D   TAPE — open/close

Setting the AM Tuner Interval Spacing

Some countries space AM stations 9 kHz apart, and some countries use 10 kHz spacing.
When shipped, the built-in AM tuner is set to 9 kHz spacing. You can change it to 9 kHz or 10 kHz spacing.

On the unit ONLY:
To set the AM tuner to the 10 kHz spacing, be sure that the unit is turned off, but is plugged into a wall outlet. While holding ►►|, press ⏻/| STANDBY/ON. The unit turns on and "AM 10 kHz" appears on the display for a while.

To set it back to the 9 kHz spacing, be sure that the unit is turned off, but is plugged into a wall outlet. While holding |◄◄, press ⏻/| STANDBY/ON. The unit turns on and "AM 9 kHz" appears on the display for a while.

Tuning in a Station

1 **Press FM/AM repeatedly to select "FM" or "AM."**
The unit automatically turns on with the last selected station.
• Each time you press the button, the band alternates between FM and AM.

2 **Press and hold ►►| or |◄◄ until the station frequencies start changing on the display.**
• ►►| : to increase the frequencies.
• |◄◄ : to decrease the frequencies.

The unit starts searching stations and stops when a station of sufficient signal strength is tuned in.

FM
87.50MHz

Ex. An FM station is tuned in.
• If an FM program is broadcast in stereo, the ST (stereo) indicator lights on the display.

To stop during searching, press ►►| or |◄◄.

notes **When you press ►►| or |◄◄ repeatedly**
The frequency changes step by step.

To change the FM reception mode

When an FM stereo broadcast is noisy or hard to receive, you can change the FM reception mode to improve the reception.

On the remote control ONLY:
Press FM MODE so that the MONO indicator lights on the display.
• Each time you press the button, the MONO indicator lights and goes off alternately.

When the MONO indicator is lit:
Reception improves though stereo effect is lost.

When the MONO indicator is not lit:
You can hear stereo sound when a program is broadcast in stereo.
The ST (stereo) indicator lights while receiving the FM stereo broadcast (only when the reception is good).
In addition, static noise between stations will be erased while tuning.

Presetting Stations

You can preset 30 FM and 15 AM stations manually.

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.

On the remote control ONLY:

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

2 **Press SET.**
The preset number starts flashing as follows:
• **When you select an FM station in step 1**

FM-P 1

• **When you select an AM station in step 1**

AM-P 1

Preset No. 1 always appears at first.

3 **Press the number buttons to select a preset number.**
Ex. For preset number 5, press 5.
  For preset number 15, press +10, then 5.
  For preset number 20, press +10, then 10.
  For preset number 30, press +10, +10, then 10.

• You can also select the preset number by pressing
  ▶▶| or |◀◀.

4 **Press SET again.**
"STORED" appears on the display for a while.

$$\text{STORED}$$

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.

notes **When you unplug the AC power cord or if a**
power failure occurs
The preset stations will be erased. If this happens, preset the
stations again.

Tuning in a Preset Station

On the remote control ONLY:

1 **Press FM/AM repeatedly to select "FM" or "AM."**
The unit automatically turns on with the last selected
station.
• Each time you press the button, the band alternates
  between FM and AM.

2 **Press the number buttons to select a preset number.**
Ex. For preset number 5, press 5.
  For preset number 15, press +10, then 5.
  For preset number 20, press +10, then 10.
  For preset number 30, press +10, +10, then 10.

To check the clock time while listening to the broadcast
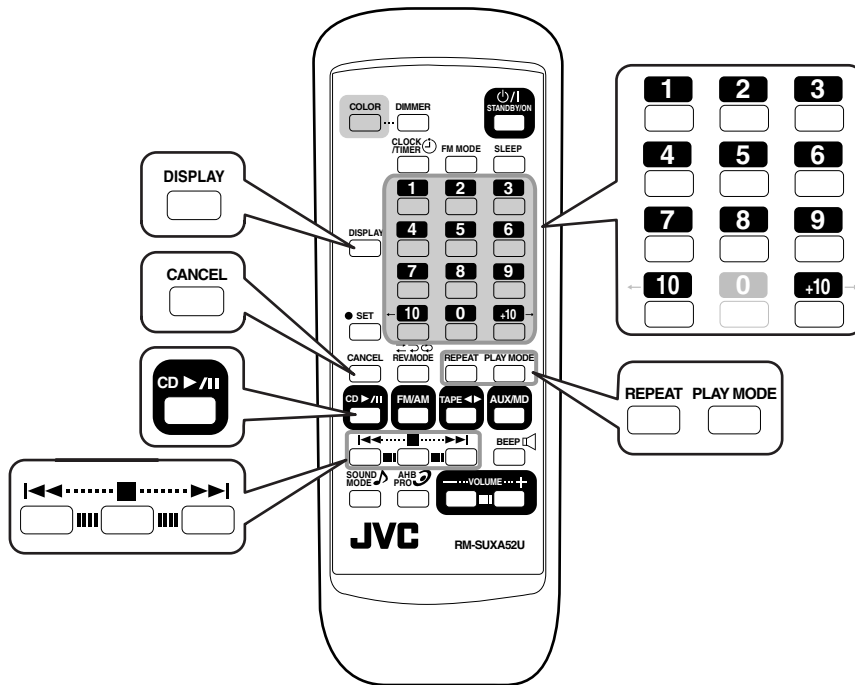**On the remote control ONLY:**
Press DISPLAY (not on number buttons).
• Each time you press the button, the source information
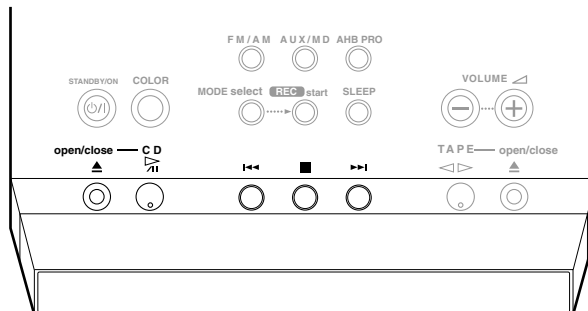 and the clock time alternate on the display.

Playing Back a CD

The buttons emphasized in the illustration below are used and explained in this section (pages 18 to 21).

Remote control

DISPLAY

CANCEL

CD ►/ll

|◄◄ ······ ■ ······ ►►|

COLOR DIMMER

CLOCK/TIMER FM MODE SLEEP

DISPLAY

SET

CANCEL REV.MODE REPEAT PLAY MODE

CD ►/ll FM/AM TAPE ◄ AUX/MD

|◄◄ ······ ■ ······ ►►| BEEP

SOUND MODE AHB PRO VOLUME

JVC RM-SUXA52U

1	2	3
4	5	6
7	8	9
10	0	+10

REPEAT PLAY MODE

Main unit (Top view)

F M / A M A U X / M D AHB PRO

STANDBY/ON COLOR MODE select REC start SLEEP VOLUME

open/close — C D

TAPE — open/close

Precautions on CD Playback

This unit has been designed to play back discs bearing the following logos:

CD ReWritable (CD-RW)

CD Recordable (CD-R)

Audio CD

When playing a CD-R or CD-RW

User-edited CD-Rs (CD-Recordable) and CD-RWs (CD-ReWritable) can be played back when they are already "**finalized**." If you play back an **unfinalized** discs, "UNFINALIZE" appears on the display.

• You can play back your original CD-Rs or CD-RWs recorded in **music CD format ONLY**. (If CD-RWs have been recorded in different format, erase all the data on CD-RWs completely before re-recording on the discs.)
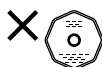
> *STOP!* DO NOT play back CD-Rs or CD-RWs including the sound files such as MP3.

• Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.
• Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player's lens is dirty.

Important notices:

• In general, you will have the best performance by keeping your CDs and the mechanism clean.
  - Store CDs in their cases, and keep them in cabinets or on shelves.
  - Keep the unit's disc tray closed when not in use.
• Continuous use of irregular shaped discs (heart-shape, octagonal, etc.) can damage the disc rotating mechanism.
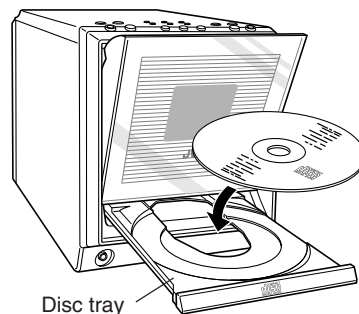
• CD-RWs may require a longer readout time. This is caused by the fact that the reflectance of CD-RWs is lower than for regular CDs.

Playing Back the Entire CD—Normal Play
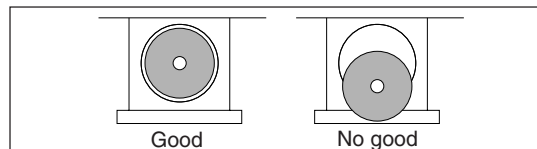
You can play a CD.

1 Press CD open/close ▲ on the unit.

The unit automatically turns on, the electronic swing panel slides upward, and the disc tray comes out.

Disc tray

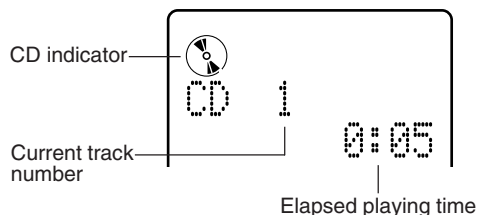### 2 Place a CD correctly on the circle of the disc tray with its label side up.

Good   No good

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

3 Press CD ► / ❚❚.

The disc tray closes, then the electronic swing panel slides downward automatically.
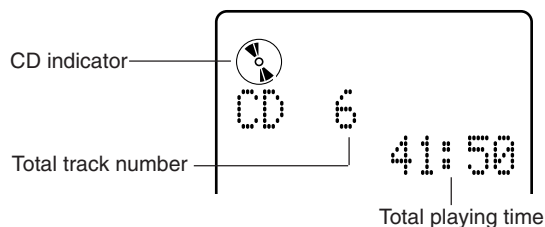The CD indicator starts rotating on the display and CD playback starts from the first track.

• If you press CD open/close ▲ again, the disc tray closes, and the electronic swing panel slides downward automatically. CD playback does not start until you press CD ► / ❚❚.
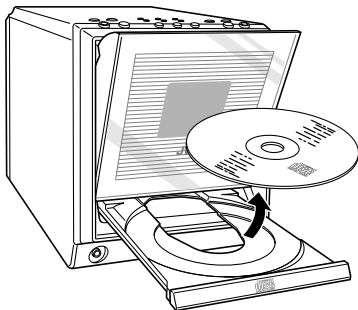
CD indicator

CD 1

Current track number

0:05

Elapsed playing time

CD playback stops automatically after playing all the tracks on the CD.

To stop during play, press ■.
The following information appears.

CD indicator

Total track number

Total playing time

To remove the disc, press CD open/close ▲.
The electronic swing panel slides upward, and the disc tray comes out.

• After removing the CD, press CD open/close ▲ again to close the electronic swing panel.

Basic CD Operations

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

To stop playback for a moment
Press CD ► / II.
The elapsed playing time starts flashing on the display.
To resume playback, press CD ► / II again.

To locate a particular point in a track during play
Press and hold ►►I or I◄◄.
• ►►I : Fast-forwards the tracks.
• I◄◄ : Fast-reverses the tracks.

To go to another track
Press ►►I or I◄◄ repeatedly.
• ►►I : Skips to the beginning of the next or succeeding tracks.
• I◄◄ : Goes back to the beginning of the current or previous tracks.

To go to another track directly using the number buttons
On the remote control ONLY:
Pressing the number button(s) allows you to start playing the track number you want.
    Ex.: For track number 5, press 5.
        For track number 15, press +10, then 5.
        For track number 20, press +10, then 10.
        For track number 32, press +10, +10, +10, then 2.

To check the clock time while playing back CD
On the remote control ONLY:
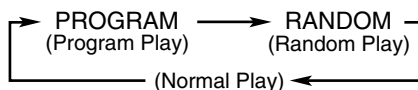**Press DISPLAY (not on number buttons).**
• Each time you press the button, the source information and the clock time alternate on the display.

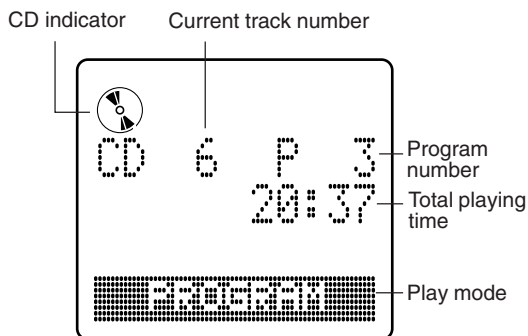## Programing the Playing Order of the Tracks —Program Play

You can arrange the order in which the tracks play before you start playing. You can program up to 32 tracks.

On the remote control ONLY:

1 Load a CD.

2 Press CD ► / �II, then ■.
The source is changed to "CD."

3 Press PLAY MODE repeatedly until "PROGRAM" appears on the display.
• Each time you press the button, play mode changes as follows:

```
    ┌──→ PROGRAM ──────→ RANDOM ──┐
         (Program Play)     (Random Play)
    └────────── (Normal Play) ←──────┘
```

4 Press the number buttons to select the tracks.
• For how to use the number buttons, see "To go to another track directly using the number buttons" on page 19.

CD indicator   Current track number

```
 ⊙
CD    6    P    3  ── Program
                      number
          20:37   ── Total playing
                      time

▓▓▓▓▓▓▓▓▓▓▓▓  ── Play mode
```

5 Press CD ► / II.
The tracks are played in the order you have programed. Program Play ends when all the tracks are played once.

To stop during play, press ■.

To exit from Program Play, press PLAY MODE repeatedly so that the unit enters the other play modes (Random Play or Normal Play) before or after play.

To check the program contents
Before playing, you can check the program contents by pressing I◄◄ or ►►I.
• I◄◄ : Shows the programed tracks in the reverse order.
• ►►I : Shows tracks in the programed order.

To modify the program
Before or after playing, you can erase the last programed track by pressing CANCEL. Each time you press the button, the last programed track is erased from the program.

To add tracks in the program before you start play, press the number buttons to select track numbers you want to add.

To erase the entire program, press CD open/close ▲ to eject the CD.
• Turning off the unit will also erase the program.

notes **If you try to program a 33rd step**
"MEMORY FULL" will appear on the display.

notes **If your entry is ignored**
You have tried to program 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.
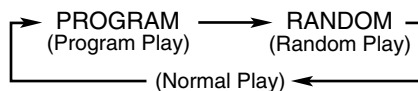
notes **If the total playing time is 100 minutes (one hour and 40 minutes) or more**
The total playing time will not be shown. ("– – : – –" will appear.)

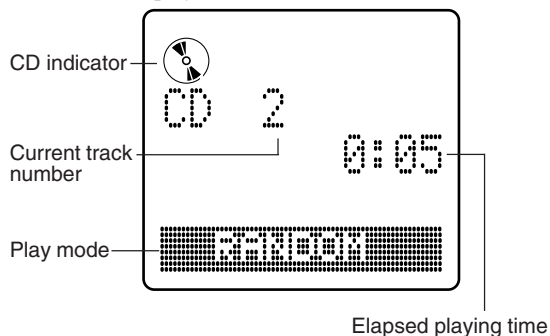## Playing at Random—Random Play

The tracks of a loaded CD will play at random.

On the remote control ONLY:

1 Load a CD.

2 Press CD ► / II, then ■.
The source is changed to "CD."

3 Press PLAY MODE repeatedly until "RANDOM" appears on the display.
• Each time you press the button, play mode changes as follows:

PROGRAM ──────► RANDOM
(Program Play)   (Random Play)
──── (Normal Play) ◄────

4 Press CD ► / II.
The tracks are played at random.

CD indicator

Current track number

Play mode

Elapsed playing time

Random Play stops when all the tracks are played once.

To skip the current track, press ►►I.
• You cannot go back to the previous tracks by pressing I◄◄.

To stop during play, press ■.

To exit from Random Play, press PLAY MODE repeatedly so that the unit enters the other play modes (Normal Play or Program Play) before or after play.
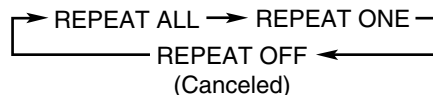
Repeating Tracks—Repeat Play

You can repeat all tracks (regardless of play mode), or also a single track as many times as you like.

On the remote control ONLY:
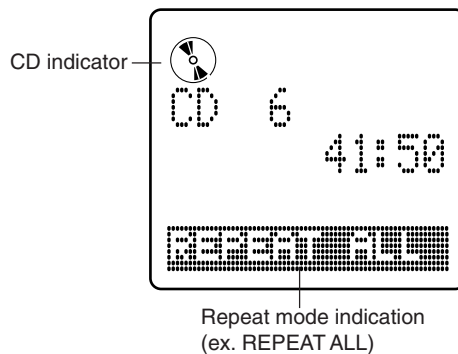**To repeat play,** press REPEAT before or during play.
• Each time you press the button, Repeat Play changes as follows:

──► REPEAT ALL ──► REPEAT ONE ──┐
└──── REPEAT OFF ◄────┘
(Canceled)

REPEAT ALL : Repeats all the tracks on the CD (in Normal or Random Play), or all the tracks in Program Play.
REPEAT ONE : Repeats only one track.
REPEAT OFF : Cancels Repeat Play.

CD indicator

Repeat mode indication (ex. REPEAT ALL)

• If play mode is either Program or Random Play, the repeat mode indication appears on the display for a while each time you press REPEAT.
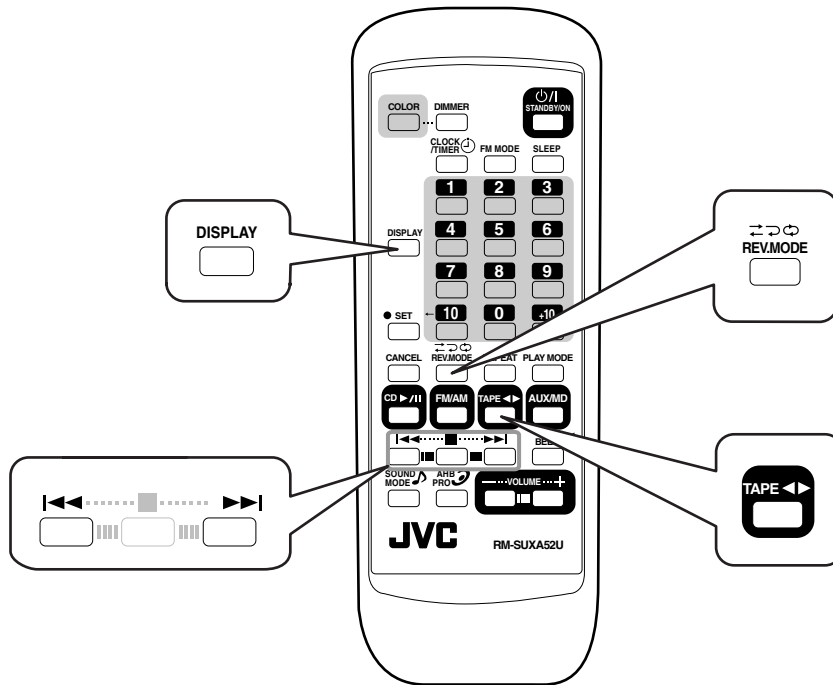
To exit from Repeat Play, press REPEAT repeatedly until "REPEAT OFF" appears on the display.
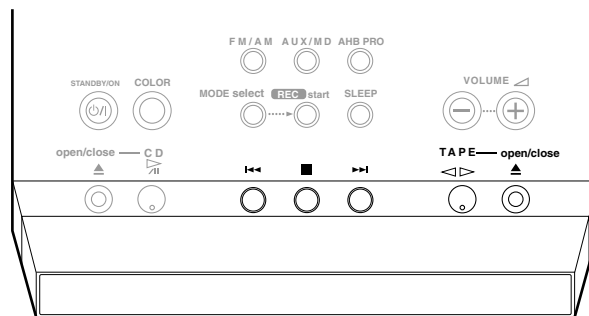
Playing Back a Tape

The buttons emphasized in the illustration below are used and explained in this section (page 23).

Remote control

DISPLAY

REV.MODE

|◀◀········■········▶▶|

TAPE ◀▶

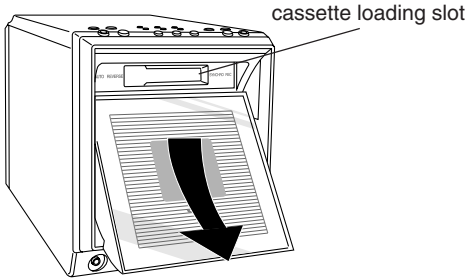JVC   RM-SUXA52U

Main unit (Top view)

Playing Back a Tape

You can play back type I, II, and IV tapes.

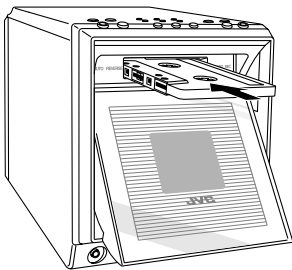**1 Press TAPE open/close ▲ on the unit.**
The unit automatically turns on, the electronic swing panel slides downward, and the cassette loading slot appears.
If a cassette is already in the cassette loading slot, it is ejected.

cassette loading slot

2 Insert a cassette with the exposed part facing left.
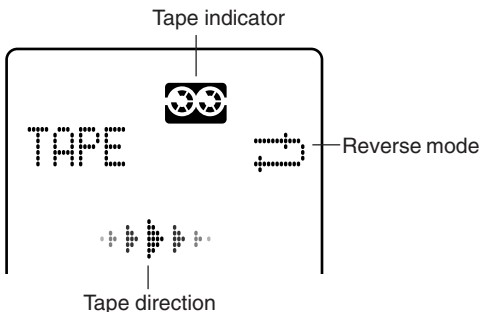The cassette is pulled in, then the electronic swing panel slides upward automatically.

3 Press TAPE ◄ ►.
The tape starts playing.
• Each time you press the button, the tape direction changes as follows:
 ▸ ▸▸ ▸ : Plays the front side.
 ◂ ◂◂ ◂ : Plays the reverse side.

Tape indicator

TAPE
— Reverse mode

Tape direction

When the tape plays to the end, the cassette deck automatically stops if the reverse mode is set to ↯ or ↻. (See "To play both sides—Reverse Mode.")

To stop during play, press ■.

To fast-wind or rewind the tape, press ►►| or |◄◄.
• **When the tape direction is** ▸▸
 ►►| : Fast-winds the tape.
 |◄◄ : Rewinds the tape.
• **When the tape direction is** ◂◂
 |◄◄ : Fast-winds the tape.
 ►►| : Rewinds the tape.

To eject the cassette, press TAPE open/close ▲.
• After ejecting the cassette, press TAPE open/close ▲ again to close the electronic swing panel.

STOP! DO NOT press TAPE open/close ▲ during tape play.

To play both sides—Reverse Mode
You can set the cassette deck to play just one side of a tape, both sides once, or both sides continuously.
• You can set this mode only when a cassette is already in the cassette deck.

On the remote control ONLY:
Press REV. MODE.
• Each time you press the button, the reverse mode changes as follows:
 ↯ : To only play back one side (front or reverse).
 ↻ : To play back the front and reverse sides once.
 ⟳ : To play back both front and reverse sides continuously.

To check the clock time while playing back a tape
On the remote control ONLY:
Press DISPLAY (not on number buttons).
• Each time you press the button, the source information and the clock time alternate on the display.

notes 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.
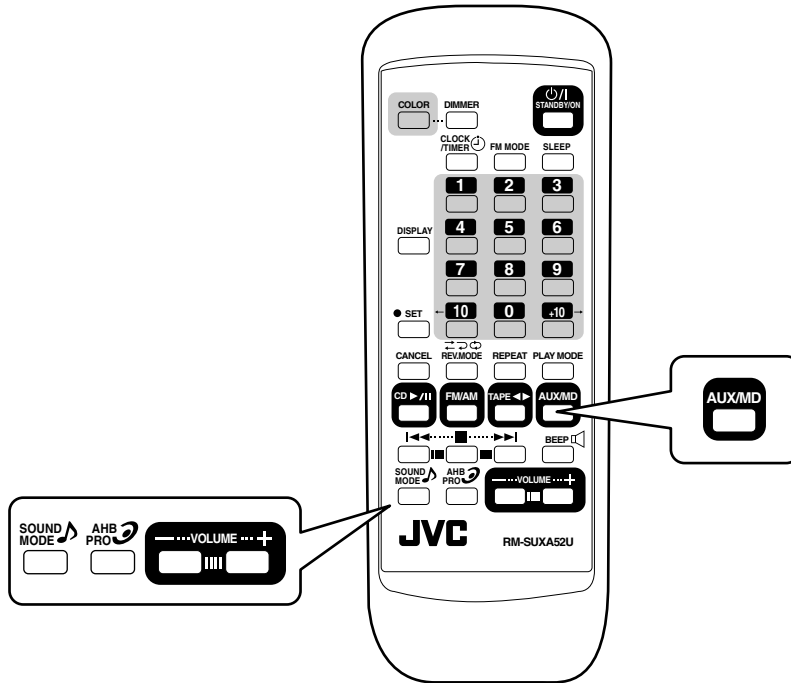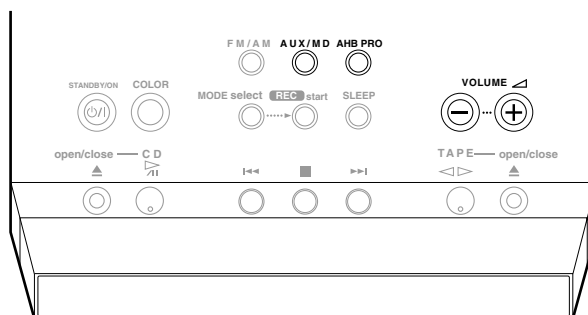
Using External Equipment

The buttons emphasized in the illustration below are used and explained in this section (page 25).
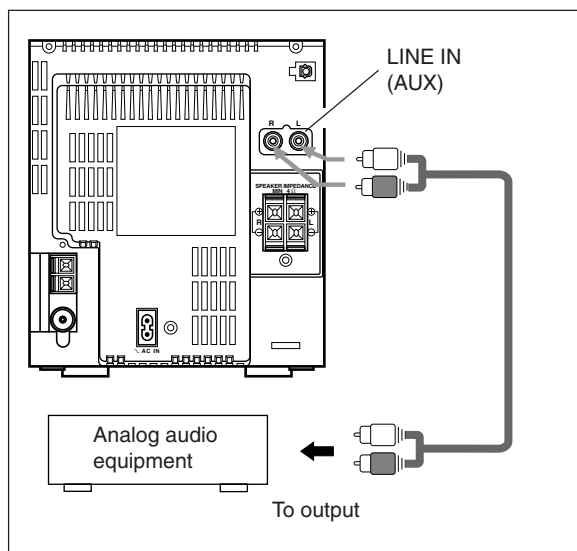
Remote control

Main unit (Top view)

Listening to External Equipment

You can listen to external equipment such as an MD recorder.
• First make sure that the external equipment is properly connected as follows:

LINE IN
(AUX)

SPEAKER IMPEDANCE

AC IN

Analog audio
equipment

To output

1 Press AUX/MD.
"AUX" appears on the display.

AUX

2 Adjust the volume level to the minimum position.

3 Start playing the external equipment.
• For operation of the external equipment, refer to its manual.

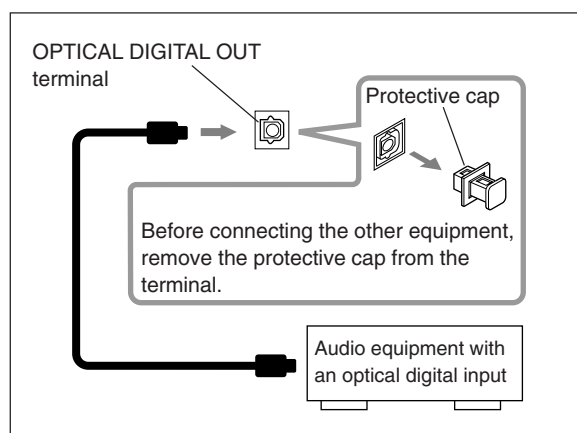**4 Press VOLUME + / – to adjust your desired listening level.**

5 Apply sound effects, if you wish.
• Press AHB PRO if you want to reinforce the bass sound.
(See "Reinforcing the Bass Sound" on page 12.)
• Press SOUND MODE if you want to control the tone.
(See "Selecting the Sound Modes" on page 12.)

Recording from This Unit to External Equipment

You can record from this unit to external equipment connected to the OPTICAL DIGITAL OUT terminal of this unit, such as an MD recorder.
• The recording level is not affected by the VOLUME level and sound effect, either.
• First make sure that the external equipment is properly connected as follows:

OPTICAL DIGITAL OUT
terminal

Protective cap

Before connecting the other equipment, remove the protective cap from the terminal.

Audio equipment with
an optical digital input

1 Prepare for recording on the external equipment.

2 Start recording on the external equipment.
• For operation of the external equipment, refer to its manual.

3 Play the CD Player of this unit.
• For the CD operation, see pages 17 to 21.

### To check the clock time while listening to the external equipment
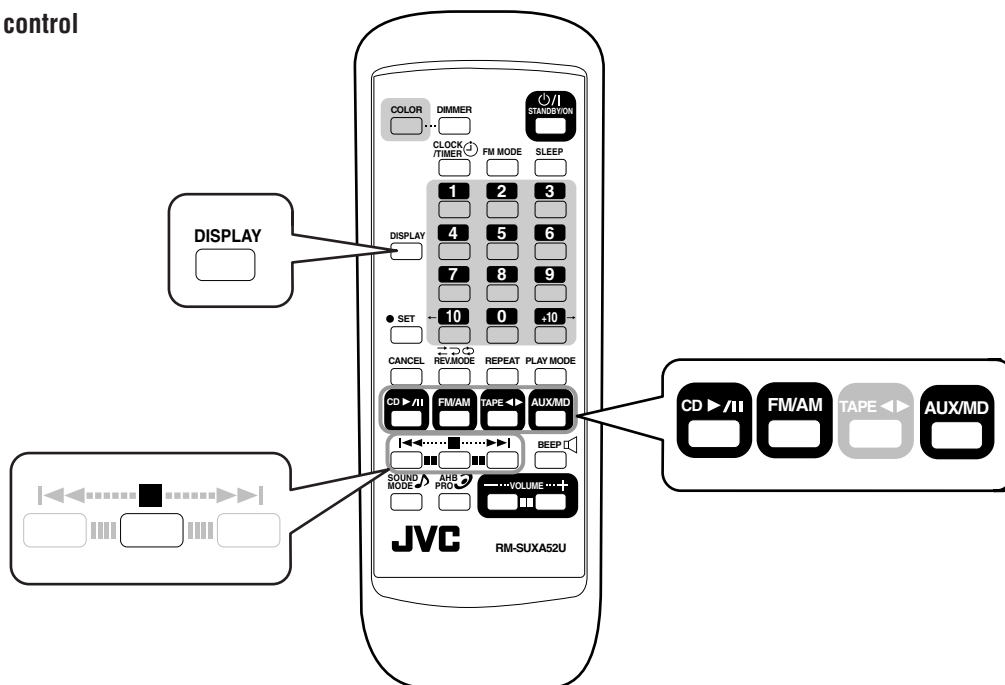**On the remote control ONLY:**
Press DISPLAY (not on number buttons).
• Each time you press the button, "AUX" and the clock time alternate on the display.

Recording on Tapes

The buttons emphasized in the illustration below are used and explained in this section (pages 28 and 29).
For recording operations, mainly use the buttons on the unit.

Main unit (Top view)
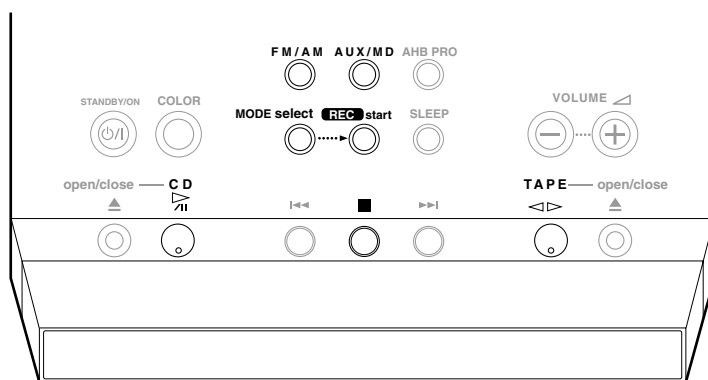
Remote control
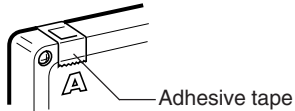
Before You Start Recording

- **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 control. Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
- While recording, you can hear sound mode effect and/or the Active Hyper Bass PRO effect through the speakers or headphones. However, the sound is recorded without these effects (see page 12).
- While recording, the display lights red.
- If recordings you have made have excessive noise or static, the unit may be too close to a TV. Place the unit away from the TV.
- You can use type I tape for recording.

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

Adhesive tape

notes 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.

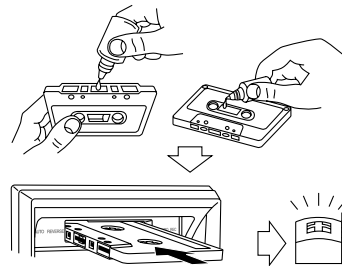### To keep the best recording and playback sound quality
You need to clean the heads.

- Clean the heads after every 10 hours of use with a wet-type head cleaning tape (available at electronic and audio shops).
  When the head becomes dirty, the following symptoms will occur:
  – Sound quality is reduced.
  – Sound level decreases.
  – Sound drops out.
- Do not play dirty or dusty tapes.
- Do not touch the highly-polished head with any metallic or magnetic tools.

To demagnetize the head
Turn off the unit, and use a head demagnetizer (available at electronic and audio shops).

notes **At the start and end of cassette tapes**
There is leader tape which cannot be recorded onto. Thus, when recording CDs or radio broadcasts, wind the leader tape first to ensure that the recording will be made without any music part lost.

English

What are Recording Mode and Reverse Mode ?

You have two methods (MODE 1/2 and 2/2) to record from some sources onto a tape.

Recording mode	Reverse mode
MODE 1/2	⮎
MODE 2/2	⇄

⮎ : To record the front and reverse sides once.

⇄ : To only record one side (front or reverse).

In the following procedure, MODE 1/2 (⮎) is selected as a recording method.

Recording FM/AM Broadcasts

You can record from an FM or AM broadcast onto a tape.

On the unit ONLY:

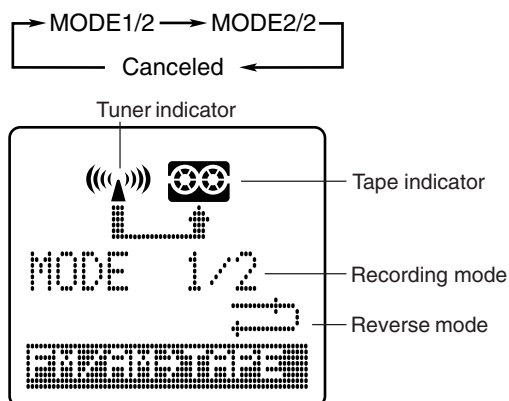**1** **Insert a recordable cassette into the cassette loading slot.**
• Press TAPE ◁ ▷ to adjust the tape direction to " ▸▮▸ " then ■.

2 **Tune in a station you want.**
• For more detailed operations, see pages 15 and 16.

3 **Press MODE select to select a recording mode.**
• Each time you press the button, recording mode changes as follows:

→ MODE1/2 → MODE2/2 →
↑ Canceled ←

Tuner indicator

Tape indicator

Recording mode

Reverse mode

Ex.When selecting MODE 1/2

4 **Press REC start.**
The recording starts.

To stop recording, press ■.

To check the clock time while recording from the broadcast onto a tape
On the remote control ONLY:
Press DISPLAY (not on number buttons).
• Each time you press the button, the recording information and the clock time alternate on the display.

Recording CD—CD Synchronized Recording

You can record from a CD onto a tape.
Using these synchronized recording methods, you can start and stop CD play and tape recording at the same time.

On the unit ONLY:

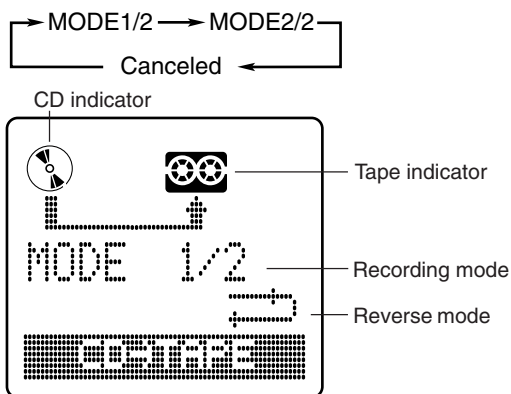**1** **Insert a recordable cassette into the cassette loading slot.**
• Press TAPE ◁ ▷ to adjust the tape direction to " ▸▮▸ " then ■.

2 **Prepare a CD.**
• After loading the CD, press CD ▷ / ❙❙, then ■ before going to the next step.
• You can make a program (see page 20) or select Random Play (see page 21) if you want.

3 **Press MODE select to select a recording mode.**
• Each time you press the button, recording mode changes as follows:

→ MODE1/2 → MODE2/2 →
↑ Canceled ←

CD indicator

Tape indicator

Recording mode

Reverse mode

Ex. When selecting MODE 1/2

4 **Press REC start.**
Both the CD play and the recording start.
• After the recording, both the CD player and the cassette deck stop automatically.

To stop recording, press ■.
CD play stops first, then after 4 seconds, the recording stops.

To record a single track during play or pause

While playing back you want to record, perform steps *3* and *4*.
The playback of the track is stopped, and then starts from the beginning again. This time, the cassette deck starts recording the track.
• After the track is recorded, both the CD player and the cassette deck stop automatically.

To check the clock time while recording from the CD onto a tape
<u>On the remote control ONLY:</u>
Press DISPLAY (not on number buttons).
• Each time you press the button, the recording information and the clock time alternate on the display.

Recording External Equipment

You can record from external equipment onto a tape.
The external equipment needs to be connected to LINE IN (AUX) terminal of this unit (for how to connect, see page 9).

<u>On the unit ONLY:</u>

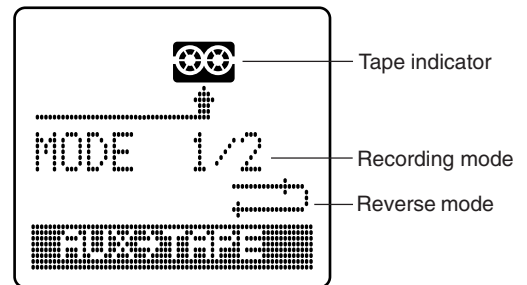**1** **Insert a recordable cassette into the cassette loading slot.**
• Press TAPE ◁ ▷ to adjust the tape direction to " ▮▶▮ " then ■.

2 **Press AUX/MD.**
The source is changed to "AUX."

3 **Press MODE select to select a recording mode.**
• Each time you press the button, recording mode changes as follows:

```
┌──► MODE1/2 ──► MODE2/2 ─┐
└──────── Canceled ◄──────┘
```


Tape indicator
MODE 1/2 — Recording mode
Reverse mode

Ex. When selecting MODE 1/2

4 **Press REC start.**
The recording starts.

5 **Start playback on the external equipment.**

To stop recording, press ■.

To check the clock time while recording from the external equipment onto a tape
<u>On the remote control ONLY:</u>
Press DISPLAY (not on number buttons).
• Each time you press the button, the recording information and the clock time alternate on the display.

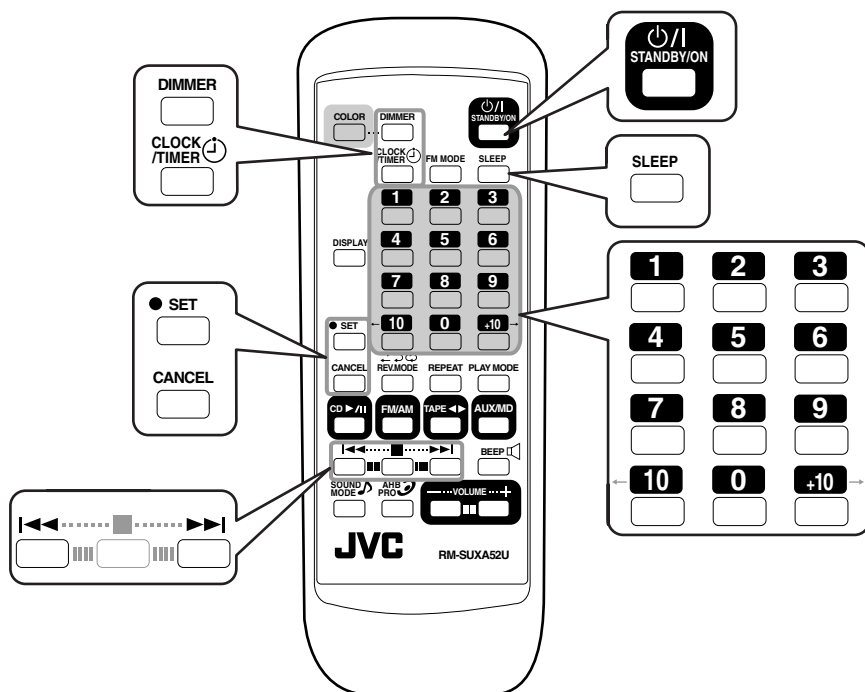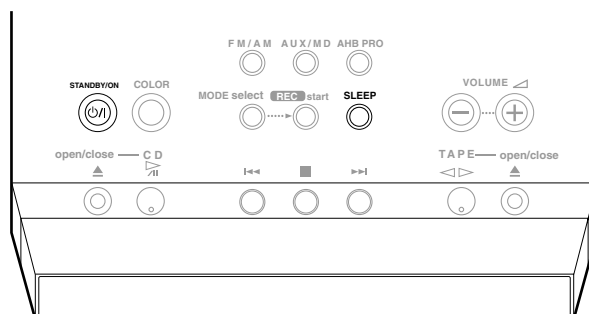# Using the Timers

Continued

English

The buttons emphasized in the illustration below are used and explained in this section (pages 31 to 34).

Remote control

Main unit (Top view)

– 30 –

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

You need to set the built-in clock to use these timers.

Setting the Clock

You can set the clock whether the unit is turned on or off (on standby).
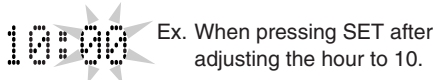
On the remote control ONLY:

1 **Press CLOCK/TIMER repeatedly until "TIME ADJUST" appears on the display.**
The hour digit starts flashing on the display.

$$0:00$$

2 **Press ▶▶▌ or ▐◀◀ repeatedly to adjust the hour.**
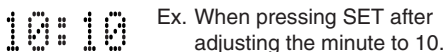• When you press and hold the button, the hour digit changes continuously.

3 **Press SET to set the hour.**
The minute digit starts flashing on the display.

$$10:00$$ Ex. When pressing SET after adjusting the hour to 10.

• If you want to correct the hour again, press CANCEL.
The hour digit starts flashing again.

4 **Press ▶▶▌ or ▐◀◀ repeatedly to adjust the minute.**
• When you press and hold the button, the minute digit changes continuously.

5 **Press SET to finish setting the clock.**
The built-in clock starts.

$$10:10$$ Ex. When pressing SET after adjusting the minute to 10.

notes **To adjust the clock again**
Press CLOCK/TIMER repeatedly in step **1** until "TIME ADJUST" appears on the display, then perform steps **2** to **5** above.

notes **To check the clock time by sound while the unit is turned off (on standby)**
Press DIMMER while the key-touch tone is set to on. The clock time will be indicated by sound.

notes **When you unplug the AC power cord or if a power failure occurs**
The clock setting will be reset to "0:00." If this happen, you need to set the clock again.

Using Recording Timer

With Recording Timer, you can make an unattended recording.
• You can set Recording Timer whether the unit is turned on or off (on standby).
• To correct a misentry any time during the setting process, press CANCEL.

How Recording Timer actually works
The unit automatically turns on, and starts recording on a tape when the timer-on time comes. (While Recording Timer is working, the REC indicator keeps flashing.) Then, when the timer-off time comes, the recording stops and the unit automatically turns off (on standby).
Recording Timer works only once, but the timer settings remain stored in memory unless you reset them or unplug the AC power cord.

On the remote control ONLY:

1 **Press CLOCK/TIMER repeatedly until "REC TIMER" appears on the display.**
The timer (⏱) indicator lights, and the REC indicator starts flashing on the display.

Timer indicator

REC indicator — **REC⏱**

Timer mode — **REC TIMER**

ON   OFF

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

```
  ┌─→ REC TIMER ──→ DAILY TIMER ─┐
  │                              │
  └── Canceled ←── TIME ADJUST ←─┘
```

2 Press ◄◄ to select "ON," then press SET.

3 Select the source to record.

   1) Press ►►| or |◄◄ repeatedly to select the source.
   • Each time you press the buttons, the source changes as follows:

   ```
   ┌─► FROM AUX ◄──► FROM FM ◄─┐
   │                            │
   └────────► FROM AM ◄─────────┘
   ```

   2) Press SET.
   • **When you have selected "FROM FM" or "FROM AM,"** select a preset number by pressing ►►| or |◄◄ (for how to preset stations, see page 15).
   • **When you have selected "FROM AUX,"** the external equipment also needs to have the timer function.

   3) Press SET again.

4 Select the reverse mode either ⮂ or ⮃ by pressing ►►| or |◄◄, then press SET.
   • For reverse mode, see page 28.

5 Set the timer-on and timer-off time.

   1) Press ►►| or |◄◄ repeatedly to select the hour of the timer-on time, then press SET.
   The minute digit of timer-on time starts flashing on the display.

   $$1{:}00\qquad 0{:}00$$

   ↑ Timer-on time   ↑ Timer-off time

   2) Press ►►| or |◄◄ repeatedly to select the minute of the timer-on time, then press SET.
   The hour digit of timer-off time starts flashing on the display.

   3) Press ►►| or |◄◄ repeatedly to select the hour of the timer-off time, then press SET.
   The minute digit of timer-off time starts flashing on the display.

   4) Press ►►| or |◄◄ repeatedly to select the minute of the timer-off time, then press SET.
   • The setting you have done are shown on the display in sequence.
   • The REC indicator stops flashing and remains lit.

6 Press ⏻/| STANDBY/ON to turn off the unit (on standby) if necessary.
   • No sounds come out while timer recording is performed.

To turn off the Recording Timer after its setting is done,
1 Press CLOCK/TIMER repeatedly until "REC TIMER" appears on the display.
2 Press ►►| to select "OFF," then press SET.
   The timer (⏲) and REC indicators go off from the display.

   To turn on the Recording Timer again, press |◄◄ to select "ON," then press SET.
   The timer (⏲) and REC indicators light on the display. The settings you have done are shown on the display for your confirmation.

📝 **notes** **If you stop recording during Recording Timer**
The recording is canceled, but when the timer-off time comes, the unit turns off.

📝 **notes** **When you unplug the AC power cord or if a power failure occurs**
The timer setting, the tuner preset stations and other settings will be erased.

Using Daily Timer

With Daily Timer, you can wake up to your favorite music or radio program.
• You can set Daily Timer whether the unit is turned on or off (on standby).
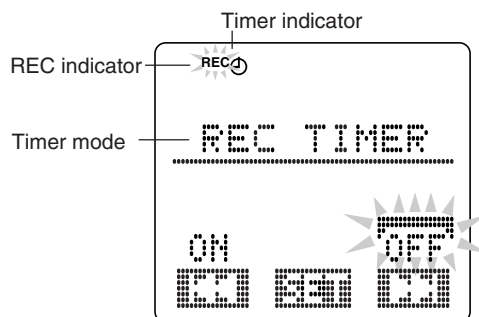• To correct a misentry any time during the setting process, press CANCEL.

How Daily Timer actually works
The unit automatically turns on, and starts playing the specified source when the timer-on time comes. (While Daily Timer is working, the DAILY indicator keeps flashing.) Then, when the timer-off time comes, the unit automatically turns off (on standby).
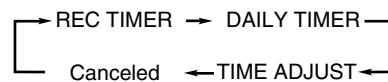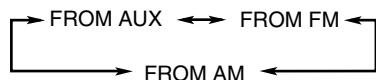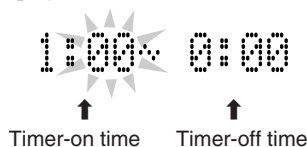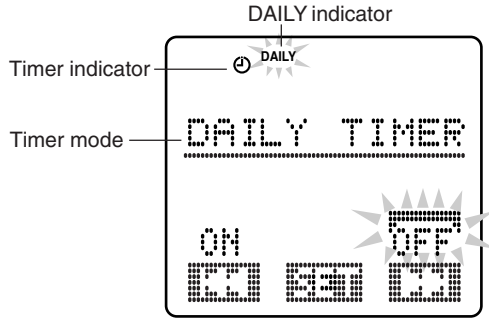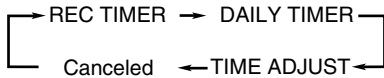Daily Timer works every day, and the timer settings remain stored in memory unless you reset them or unplug the AC power cord.

On the remote control ONLY:

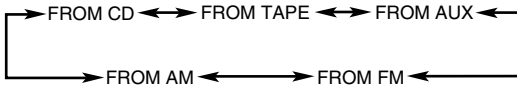**1** **Press CLOCK/TIMER repeatedly until "DAILY TIMER" appears on the display.**

The timer (⏱) indicator lights, and the DAILY indicator starts flashing on the display.

DAILY indicator

Timer indicator —— ⏱ **DAILY**

Timer mode —— DAILY TIMER

ON   OFF

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

REC TIMER → DAILY TIMER → TIME ADJUST → Canceled →

2 **Press ⏮ to select "ON," then press SET.**

3 **Select the source to play.**
1) Press ⏭ or ⏮ repeatedly to select the source.
• Each time you press the buttons, the source changes as follows:

FROM CD ←→ FROM TAPE ←→ FROM AUX ←→ FROM AM ←→ FROM FM

2) Press SET.
• **When you have selected "FROM FM" or "FROM AM,"** select a preset number by pressing ⏭ or ⏮ (for how to preset stations, see page 15).
• **When you have selected "FROM AUX,"** the external equipment also needs to have the timer function.
3) Press SET again.

4 **Set the timer-on and timer-off time.**
1) Press ⏭ or ⏮ repeatedly to select the hour of the timer-on time, then press SET.
The minute digit of timer-on time starts flashing on the display.

1:00   0:00

↑ Timer-on time   ↑ Timer-off time

2) Press ⏭ or ⏮ repeatedly to select the minute of the timer-on time, then press SET.
The hour digit of timer-off time starts flashing on the display.
3) Press ⏭ or ⏮ repeatedly to select the hour of the timer-off time, then press SET.
The minute digit of timer-off time starts flashing on the display.
4) Press ⏭ or ⏮ repeatedly to select the minute of the timer-off time, then press SET.

5 **Adjust the volume level.**
1) Press ⏭ or ⏮ repeatedly to adjust the volume level.
• You can adjust the volume level within the range of 0 (silent) to 40 (maximum).
• When you select "VOLUME – –," the volume is set to the current volume level.
2) Press SET.
• The settings you have done are shown on the display in sequence.
• The DAILY indicator stops flashing and remains lit on the display.

6 **Press ⏻/⏽ STANDBY/ON to turn off the unit (on standby).**

To turn off the Daily Timer after its setting is done,
1 Press CLOCK/TIMER repeatedly until "DAILY TIMER" appears on the display.
2 Press ⏭ to select "OFF," then press SET.
The timer (⏱) and DAILY indicators go off from the display.

To turn on the Daily Timer again, press ⏮ to select "ON," then press SET.
The timer (⏱) and DAILY indicators light on the display.
The settings you have done are shown on the display for your confirmation.

📝 **notes** **If the unit is kept turned on until the timer-on time comes**
Daily Timer does not work at all.

📝 **notes** **Daily Timer will be canceled and the unit will not turn off automatically in the following:**
• When you change the source.

📝 **notes** **When you unplug the AC power cord or if a power failure occurs**
The timer setting, the tuner preset stations and other settings will be erased.

Using Sleep Timer
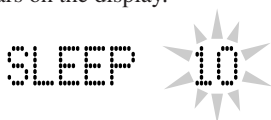
With Sleep Timer, you can fall asleep to your favorite music.
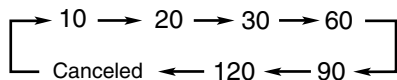• You can set Sleep Timer while the unit is turned on.

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

1 **Press SLEEP repeatedly until the time length you want appears on the display.**
The timer (⏱) indicator starts flashing and "SLEEP 10" appears on the display.

SLEEP 10

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

```
  ┌─→ 10 ─→ 20 ─→ 30 ─→ 60 ─┐
  └─ Canceled ←─ 120 ←─ 90 ←┘
```

2 **Press SET or wait for about 5 seconds.**
The display dims.
"SLEEP" appears on the display.

To check the remaining time until the shut-off time, press SLEEP once. The remaining time until the shut-off time appears for about 5 seconds.

To change the shut-off time, press SLEEP repeatedly until the time length you want appears.

To cancel the setting, press SLEEP repeatedly until "SLEEP" disappears from the display.

notes **Sleep Timer will be canceled in the following:**
• When you turn off the unit.
• When you operate other timer settings.
• When you adjust the clock.

notes **If "CLOCK ADJUST" appears on the display**
You need to set the built-in clock (see page 31).

To sleep with the Sleep Timer and wake up with the Daily Timer
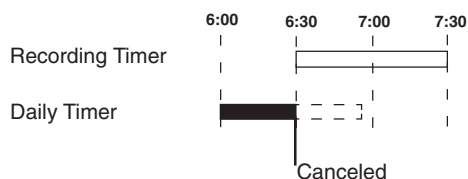The unit turns off when the shut-off time comes (set by the Sleep Timer), and turns on when the timer-on time comes (set by the Daily Timer).

1 **Set the Daily Timer as explained on pages 32 and 33.**
2 **Start playing back any source you want to listen to before sleep.**
3 **Set the Sleep Timer.**

Timer Priority

Since each timer can be set separately, you may wonder what happens if the setting for these timers overlaps. Here are the priorities for each timer.

• **A timer with the later timer-on time has priority.**
If Recording Timer is set to come on while Daily Timer is operating, Daily Timer is canceled.

	6:00	6:30	7:00	7:30
Recording Timer				
Daily Timer				

Canceled

If Recording Timer is set to come on while Sleep Timer is operating, Sleep Timer will not shut off the power even if the shut-off time comes.

	18:00	18:30	19:00	19:30
Recording Timer				
Sleep Timer				

Canceled

Maintenance

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

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 electronic swing panel closed when not in use.

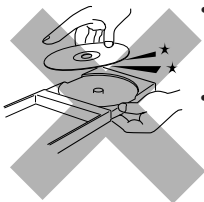## Cleaning the unit
- **Stains on the unit**
  Should be wiped off with a soft cloth. If the unit is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
- **Avoid the following since they may cause damage to the unit.**
  - DO NOT wipe it with a hard cloth.
  - DO NOT wipe it strong.
  - DO NOT wipe it with thinner or benzine.
  - DO NOT apply any volatile substance such as insecticides to it.
  - DO NOT allow any rubber or plastic to remain in contact with it for a long time.

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.
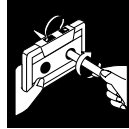- Put the disc back in its case after use to prevent warping.

- 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
  - On a TV or speaker
  - Near a magnet

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	Possible Cause	Action
No sound is heard.	Connections are incorrect or loose.	Check all connections and make corrections. (See pages 6 – 9.)
Unable to operate the remote control.	• The path between the remote control and the remote sensor on the unit is blocked. • The batteries have lost their charge. • You are using the remote control far from the unit.	• Remove the obstruction. • Replace the batteries. (See page 6.) • Signals cannot reach the remote sensor. Move closer to the unit.
Poor radio reception.	• The antenna is not connected correctly. • The AM loop antenna is too close to the unit. • The FM antenna is not properly extended and positioned.	• Reconnect the antenna securely. • Change the position and direction of the AM loop antenna. • Extend FM antenna to the best reception position.
An inserted CD and cassette cannot be ejected.	The AC power cord is not plugged in.	Plug it in the AC power plug.
The CD does not play.	The CD is upside down.	Put the CD in with the label side up.
The CD skips.	The CD is dirty or scratched.	Clean or replace the CD. (See page 35.)
Impossible to record on a tape.	Small tabs on the back of the cassette are removed.	Cover the holes with adhesive tape.
Operations are disabled.	The built-in microprocessor has malfunctioned due to external electrical interference.	Unplug the unit then plug it back in.
If "CANNOT PLAY" appears on the display	You are trying to play back a CD which cannot be played or there is a problem with the CD.	Change the CD.
If "CD LOAD ERROR" appears on the display	The CD tray does not open correctly because of the obstruction.	Press CD open/close ▲ to close the CD tray, then remove the obstruction.
If "UNFINALIZE" appears on the display	You are trying to play back a CD-R/RW which has not been "finalized" yet.	This is not a malfunction. You can play back "finalized" CD-R/RWs.
Noise is heard during illumination demonstration mode.	This unit automatically turns off and on during demonstration. If volume level is set high, you will hear this noise.	Turn on the unit, decrease the volume, then turn it off again.

Specifications UX-A52 (CA-UXA52 and SP-UXA52)

Amplifier
Output Power (IEC 268-3/DIN):
    40 W (20 W + 20 W) at 4 Ω (10 % THD)
Audio input sensitivity/Impedance (at 1 kHz)
    LINE IN (AUX):   500 mV/47 kΩ
Digital output – OPTICAL DIGITAL OUT
    Signal wave length: 660 nm
    Output level: –21 dBm to –15 dBm
Speaker Terminals: 4 Ω — 16 Ω

Tuner
FM tuning range:
    87.50 MHz — 108.00 MHz
AM tuning range:
    531 kHz — 1 710 kHz (at 9 kHz channel spacing)
    530 kHz — 1 710 kHz (at 10 kHz channel spacing)

CD player
CD capacity: 1 CD
Dynamic range: 85 dB
Signal-to-noise ratio: 90 dB
Wow and flutter: Immeasurable

Casstte deck
Frequency response
    Normal (type I):   60 Hz — 14 000 Hz
Wow and flutter
    0.15 % (WRMS)

General
Power requirement: AC 220 V $\sim$, 50 Hz
Power consumption: 45 W (at operation)
                    4.1 W (on standby)
Dimensions (approx.):
                    163 mm x 200 mm x 329 mm (W/H/D)
Mass (approx.):   4.3 kg

Speaker Section
Speakers: Woofer 10 cm, Tweeter 4 cm
Impedance: 4 Ω
Dimensions (approx.):
                    140 mm x 200 mm x 249 mm (W/H/D)
Mass (approx.):   2.0 kg

Supplied accessories
See page 6.

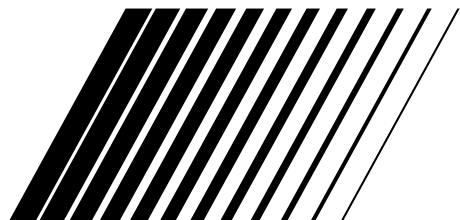Design and specifications are subject to change without notice.
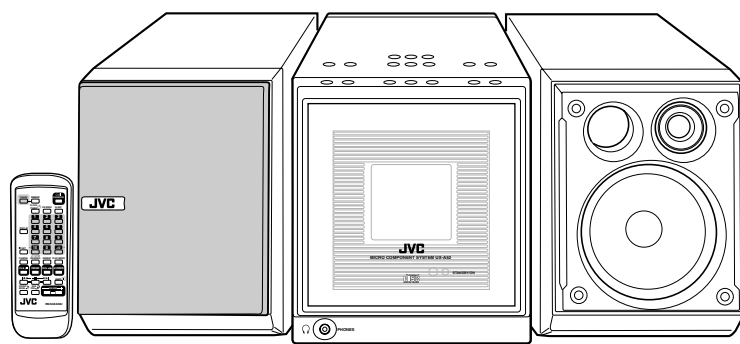
JVC

VICTOR COMPANY OF JAPAN, LIMITED

JVC

MICRO COMPONENT SYSTEM

UX-A52 — Consists of CA-UXA52 and SP-UXA52

COMPACT
disc
DIGITAL AUDIO

INSTRUCTIONS

For Customer Use:
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No.

Serial No.

GVT0071-005A
[A]

Warnings, Cautions and Others

Caution — ⏻/⏽ STANDBY/ON button!
Disconnect the mains plug to shut the power off completely (the STANDBY/ON lamp goes off).
The ⏻/⏽ STANDBY/ON button in any position does not disconnect the mains line.
• When the unit is on standby, the STANDBY/ON lamp lights red.
• When the unit is turned on, the STANDBY/ON lamp lights green.

The power can be remote controlled.

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.

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.

IMPORTANT FOR LASER PRODUCTS

REPRODUCTION OF LABELS

① CLASSIFICATION LABEL, PLACED ON EXTERIOR SURFACE

② WARNING LABEL, PLACED INSIDE THE UNIT

```
CLASS    1
LASER    PRODUCT
```

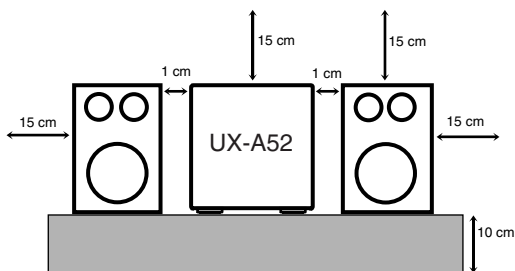|	
DANGER : Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**VARNING :** Osynlig laser-strålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)
ADVARSEL : Usynlig laser-stråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgåudsæt-telse for stråling. (d)	**VARO :** Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättö-mälle 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.

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.

Front view

15 cm   15 cm
1 cm   1 cm
15 cm   15 cm
UX-A52
10 cm

Side view

15 cm
15 cm
UX-A52

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:

- **This manual mainly explains playback using the remote control, and the other operations such as recording operations using the buttons on the unit. You can use the buttons both on the remote control and on the unit for the same operations if they have the same or similar names (or marks), unless mentioned otherwise.**
- 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 "Basic and Common Operations" on pages 10 – 13.
- The following marks are used in this manual:

⚠ STOP!	Gives you warning and caution to prevent from damage or risk of fire/electric shock. Furthermore, gives you information which is not good for obtaining the best possible performance from the unit.
notes	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 buildup in the unit.
- Leave sufficient distance between the unit and the TV.
- Keep the speakers away from the TV to avoid interference with TV.

⚠ STOP!	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 the unit from the wall outlet, always pull the plug, not the AC power cord.

⚠ STOP!	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, then plug it in again.

Others

- Should any metallic object or liquid fall into the unit, unplug the AC power cord 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.

⚠ STOP!	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.
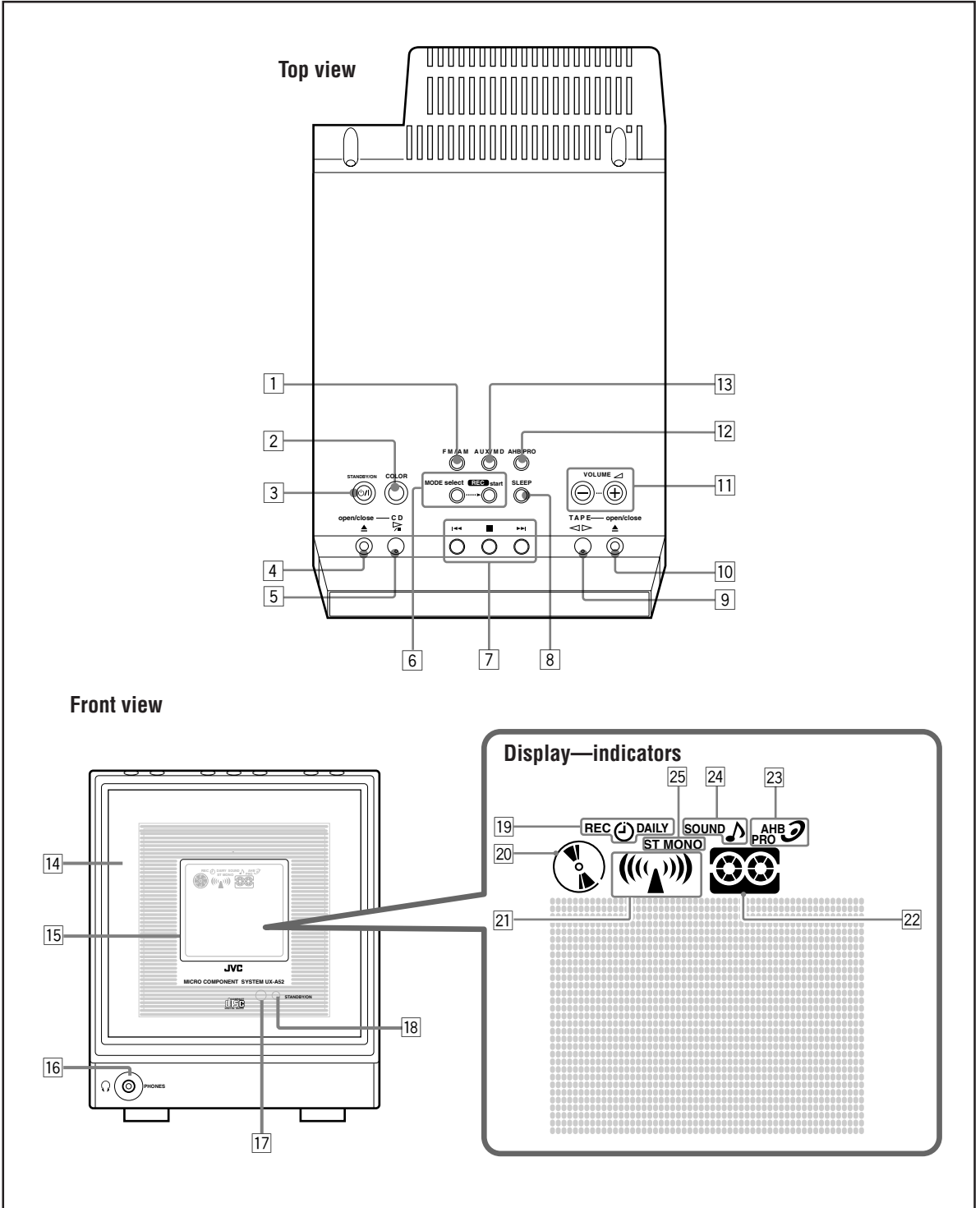
Contents

Location of the Buttons

Become familiar with the buttons on your unit.

Main Unit

Top view

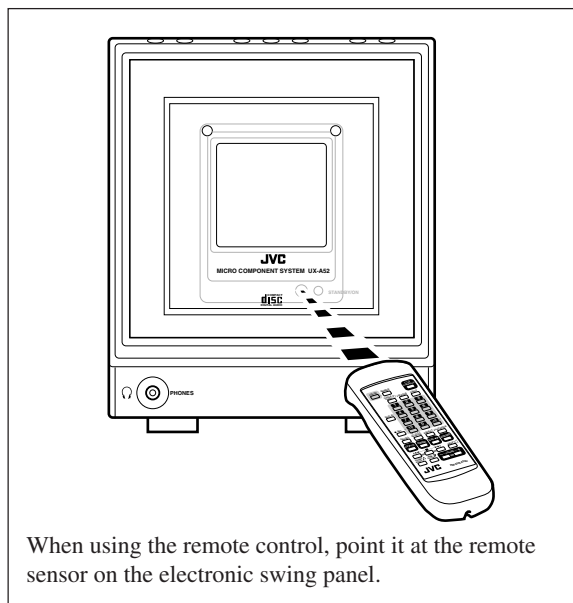**Front view**

Display—indicators

See pages in the parentheses for details.

Main unit

1. FM/AM button (11, 15)
   • *Pressing this button also turns on the unit.*
2. COLOR button (9, 13)
3. ⏻/| STANDBY/ON button (11, 15)
4. CD open/close ⏏ button (18 – 20)
   • *Pressing this button also turns on the unit.*
5. CD ▷ / ❙❙ (play/pause) button (11, 18, 28)
   • *Pressing this button also turns on the unit.*
6. MODE select and REC start buttons (28, 29)
7. Multi operation buttons
   • |◀◀ (reverse skip), ■ (stop), and ▶▶| (forward skip)
8. SLEEP button (34)
9. TAPE ◁ ▷ (play) button (11, 23, 28, 29)
   • *Pressing this button also turns on the unit.*
10. TAPE open/close ⏏ button (23)
    • *Pressing this button also turns on the unit.*
11. VOLUME + / – buttons (12, 25)
12. AHB (Active Hyper Bass) PRO button (12, 25)
13. AUX/MD button (11, 25, 29)
    • *Pressing this button also turns on the unit.*
14. Electronic swing panel
15. Display
    • Shows the source name and some indicators, etc.
16. PHONES (🎧) jack—stereo mini-type (12)
17. Remote sensor
18. STANDBY/ON lamp (11)

Display—indicators

19. Timer mode indicators (31 – 34)
    • 🕐 (Timer), DAILY (Daily Timer), and REC (Recording Timer)
20. CD indicator
    • Lights when CD is in the disc tray.
21. Tuner indicator
    • Lights when the tuner is selected as the source.
22. Tape indicator
    • Lights when a cassette is in the cassette loading slot.
23. AHB (Active Hyper Bass) PRO indicator (12)
24. SOUND indicator (12)
25. ST (stereo) and MONO indicators (15)

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

Remote Control

Remote control

1 DIMMER button (13, 31)
2 COLOR button (9, 13)
3 CLOCK/TIMER button (31 – 33)
4 DISPLAY button (16, 19, 23, 28, 29)
5 SET button (13, 15, 31 – 34)
6 REV. (reverse) MODE button (23)
7 CANCEL button (20, 31, 32)
8 FM/AM button (11, 15, 16)
   • *Pressing this button also turns on the unit.*
9 CD ► / II (play/pause) button (11, 18 – 21)
   • *Pressing this button also turns on the unit.*
10 Multi operation buttons
   • I◄◄ (reverse skip), ■ (stop), and ►►I (forward skip)
11 SOUND MODE button (12, 25)
12 AHB (Active Hyper Bass) PRO button (12, 25)
13 VOLUME + / – buttons (12, 25)
14 BEEP button (12)
15 TAPE ◄ ► button (11, 23)
   • *Pressing this button also turns on the unit.*
16 AUX/MD button (11, 25)
   • *Pressing this button also turns on the unit.*
17 REPEAT button (21)
18 PLAY MODE button (20, 21)
19 Number buttons
   • 0, 1 – 10, +10 buttons
   • ← / → buttons (13)
20 SLEEP button (34)
21 FM MODE button (15)
22 ⏻/I STANDBY/ON button (11, 32, 33)

Getting Started

Unpacking

Make sure that you have all the following items.
The number in parentheses indicates the quantity of the pieces supplied.

• FM antenna (1)
• AM (MW/LW) loop antenna (1)
• AC power cord (1)
• Remote control (1)
• Batteries (2)

If anything is missing, consult your dealer immediately.

Putting the Batteries into the Remote Control

Insert the batteries—R6P(SUM-3)/AA(15F)—into the remote control, by matching the polarity (+ and –) on the batteries with the + and – marking on the battery compartment.
When the remote control can no longer operate the unit, replace both batteries at the same time.

R6P(SUM-3)/AA(15F)

• 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
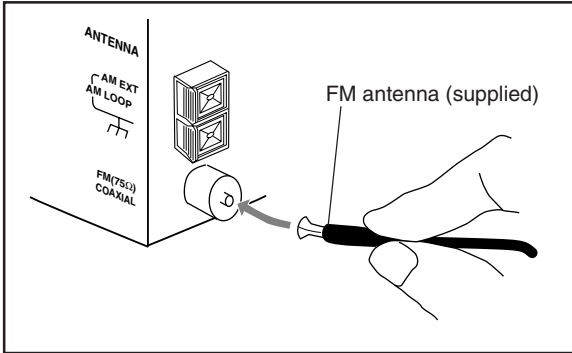
FM antenna

FM antenna (supplied)

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.**

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)

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

AM (MW/LW) antenna

Vinyl-covered wire (not supplied)

AM (MW/LW) loop antenna (supplied)

1 **If cords are covered with insulation, twist the core of the cord at the end of each cord, then remove the insulation.**

2 **Connect the AM (MW/LW) loop antenna to the AM LOOP terminals as illustrated.**

3 **Turn the AM (MW/LW) loop antenna until you have the best reception.**

To connect an outdoor AM (MW/LW) antenna

When reception is poor, connect a single vinyl-covered wire to the AM EXT terminal and extend it horizontally. The AM (MW/LW) loop antenna must remain connected.

notes

For better reception of both FM and AM (MW/LW)

• 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

To connect speakers
You can connect the speakers by following the procedure below:

1 **If cords are covered with insulation, twist the core of the cord at the end of each cord, then remove the insulation.**

2 **Open the speaker terminal.**

3 **Insert the end of the speaker cord to the terminal.**
Match the polarity: White cord to red (+) terminal and black cord to black (–) terminal.

4 **Close the speaker terminal on the rear of the unit.**

Use only speakers with the speaker impedance—4 Ω to 16 Ω.

To remove the speaker grilles
The speaker grilles are removable.

To remove the speaker grille, insert your fingers at the top of the speaker grille, then pull towards you. Do the same at the bottom.

To attach the speaker grille, put the projections of the speaker grille into the holes of the speaker.

Connecting Other Equipment

You can connect both of the analog and digital equipment. When you connect and use the equipment, refer also to its manual supplied.

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

To connect audio equipment with an optical digital input terminal

You can record CD sound onto the connected digital equipment.

Connect an optical digital cord (not supplied) between the optical digital input terminal on the other equipment and the OPTICAL DIGITAL OUT terminal.

OPTICAL DIGITAL OUT terminal

Protective cap

Before connecting the other equipment, remove the protective cap from the terminal.

Audio equipment with an optical digital input

To connect analog audio equipment

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

LINE IN (AUX)

To output

Analog audio equipment

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

NOW, you can plug the AC power cord.

IMPORTANT: Be sure to check all connections to be done before plugging the AC power cord into a wall outlet.

AC power cord (supplied)

SPEAKER IMPEDANCE MIN 4 Ω

1 To the AC IN terminal

2 To a wall outlet

When connecting the AC power cord into a wall outlet, the unit automatically starts the display illumination.

To stop and cancel the display demonstration, press COLOR during display illumination—while the unit is turned off (on standby.)

To start the display illumination manually, press COLOR again while the unit is turned off (on standby.)

Basic and Common Operations

Continued ➡

The buttons emphasized in the illustration below are used and explained in this section (pages 11 to 13.)

Remote control

Main unit (Top view)

Main unit (Front view)

– 10 –

Turning On the Power

When you press the play buttons (CD ► / ❙❙, TAPE ◄ ►) for a particular source or FM/AM and AUX/MD, the unit automatically turns on (and starts playback if the source is ready.)

To turn on the unit without playing, press ⏻/❙ STANDBY/ON.
The STANDBY/ON lamp on the electronic swing panel lights green.

To turn off the unit (on standby), press ⏻/❙ STANDBY/ON again.
The STANDBY/ON lamp on the electronic swing panel lights red.
• "0:00" appears on the display until you set the built-in clock. After setting the clock, the clock time will appear on the display while the unit is turned off (on standby.)
• A little power is always consumed even while the unit is on standby.

To set the built-in clock, see page 31.

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 setting, the tuner preset stations and other settings will be erased.

Selecting the Sources and Starting Play

To select the tuner, press FM/AM.
The unit automatically turns on (when the unit is on standby) and the last selected station is tuned in.
Each time you press FM/AM, the band alternates between FM and AM (MW/LW).
• For more detailed operations, see pages 14 to 16.

To select the CD player, press CD ► / ❙❙.
The unit automatically turns on (when the unit is on standby), and "CD" appears on the display. Play will start if a CD is on the disc tray. ("NO DISC" will appear on the display if a CD is not loaded.)
To stop playback, press ■.
• For more detailed operations, see pages 17 to 21.

To select the cassette deck, press TAPE ◄ ►.
The unit automatically turns on (when the unit is on standby), and "TAPE" appears on the display. Play will start if a cassette is in the cassette loading slot. ("NO TAPE" will appear on the display if a cassette is not in the cassette loading slot.)
To stop playback, press ■.
• For more detailed operations, see pages 22 and 23.

To select external equipment, press AUX/MD.
The unit automatically turns on (when the unit is on standby), and "AUX" appears on the display.
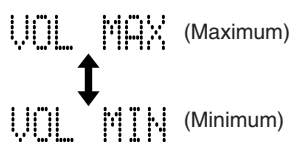• For more detailed operations, see pages 24 and 25.
• For operating the external equipment, see the manuals supplied with them.

Adjusting the Volume

You can adjust the volume level while the unit is turned on. The volume level has no effect on recording.

To increase the volume, press VOLUME +.
To decrease the volume, press VOLUME –.

VOL MAX (Maximum)
↕
VOL MIN (Minimum)

The volume level meter appears on the display.
• The volume level can be adjusted in 41 steps (VOL MIN, VOL 1 – VOL 39, and VOL MAX.)
• When pressing and holding the button, you can change the volume level continuously.

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

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

Turning On/Off the Key-touch Tone

If you do not want the key-touch tone to beep each time you press buttons, you can deactivate it while the unit is turned on.

On the remote control ONLY:
Press BEEP.
• Each time you press the button, the key-touch tone turns on (BEEP ON) and off (BEEP OFF) alternately:
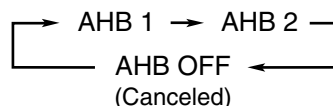
BEEP ON ↔ BEEP OFF

Reinforcing the Bass Sound

The richness and fullness of the bass sound is clearly maintained regardless of how low you set the volume— Active Hyper Bass PRO. You can select the bass effect levels while the unit is turned on. The AHB PRO can be applied only to playback sounds, and cannot be used for recording.

To get the effect, press AHB PRO.
The AHB PRO indicator lights on the display.
• Each time you press the button, the effect changes as follows:

AHB 1 → AHB 2 ┐
└─ AHB OFF ◄─┘
(Canceled)

AHB 1: Bass sound is clearly heard even in the low volume.
AHB 2: Bass sound is more effective than AHB 1.
AHB OFF: Cancels the AHB PRO.
The AHB PRO indicator goes off from the display.

To check the AHB PRO setting currently selected, press AHB PRO once while the AHB PRO indicator is lit.

Selecting the Sound Modes

You can select one of the 4 preset sound modes while the unit is turned on. The sound modes can be applied only to playback sounds, and cannot be used for recording.

On the remote control ONLY:
To select the sound modes, press SOUND MODE repeatedly until the sound mode you want appears on the display.
The SOUND indicator also lights on the display.
• Each time you press the button, the sound mode changes as follows:

ROCK → POP → CLASSIC ┐
└─ FLAT ◄─ JAZZ ◄─┘
(Canceled)

ROCK: Boosts low and high frequency. Good for acoustic music.
POP: Good for vocal music or voice.
CLASSIC: Good for classical music.
JAZZ: Good for jazz music.
FLAT: Cancels the sound mode. The SOUND indicator goes off from the display.

To check the sound mode currently selected, press SOUND MODE once while the SOUND indicator is lit.

Setting the Display Illumination

You can change the color and brightness of the display illumination.

To select the color pattern

You can select the color pattern by your preference.

While the unit is turned on, press COLOR repeatedly until the color pattern you want appears on the display.

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

```
   COLOR    ➡   COLOR
   RANDOM       GRADATION
     ⬆            ⬇
  COLOR 1  ⬅  TODAY'S
 – COLOR 7     COLOR #*
               DAILY
```

COLOR RANDOM: Changes the illumination color randomly every 2 seconds.

COLOR GRADATION:
Changes the illumination color gradually.

TODAY'S COLOR #* DAILY:
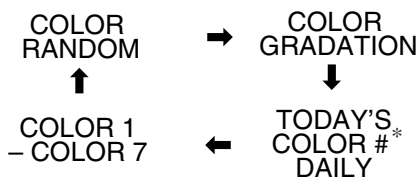Changes the illumination color every day. You can select which color to start with. (See "To select TODAY'S COLOR" to the right column.)

* The color number of TODAY'S COLOR is selected from COLOR 1 – 7.

COLOR 1 – 7: You can adjust and register the color from COLOR 1 to 7. (See "To adjust and register the color" to the right column.)

• If you press COLOR while the unit is turned off, the display illumination will start (see page 9.)

notes **More on the display illumination**
• The colors shown on the display cannot always be reproduced precisely. Due to the circumstances (room temperature, etc.) where the unit is used, colors may vary slightly.
• When you change the color of the display, the display may seem to move back and forth; this is a characteristic of this unit and is not a malfunction.
• When a strong light strikes the display, the display happens to become dark, but this is not a malfunction.

To adjust and register the color

You can adjust the color by changing the tone, whiteness, brightness, and register into COLOR 1 to 7.

• There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step *1* again.

On the remote control ONLY:

1 **Press COLOR repeatedly until the color number (COLOR 1 to 7) you want to adjust appears on the display.**
The adjustment bars appear on the display.

```
TONE
WHITENESS
BRIGHTNESS
```

2 **Adjust the tone, whiteness, and brightness.**
1) Press → or ← to select the level you want and press SET.
• Each time you press SET, the adjustment items change.
• The tone can be adjusted in 14 patterns. The whiteness can be adjusted in 3 levels and the brightness can be adjusted in 2 levels.

2) Repeat 1) to adjust "WHITENESS" and "BRIGHTNESS."
• If the whiteness is set to the right end, the tone you adjusted will be no longer valid.

To select "TODAY'S COLOR"

The illumination color changes automatically each time the built-in clock becomes "0:00."

• There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step *1* again.

On the remote control ONLY:

1 **Press COLOR repeatedly until "TODAY'S COLOR" appears on the display.**

2 **Press → or ← to select the color number (COLOR 1 to 7.)**

To dim the display

This function can be used only while the unit is turned on.

On the remote control ONLY:
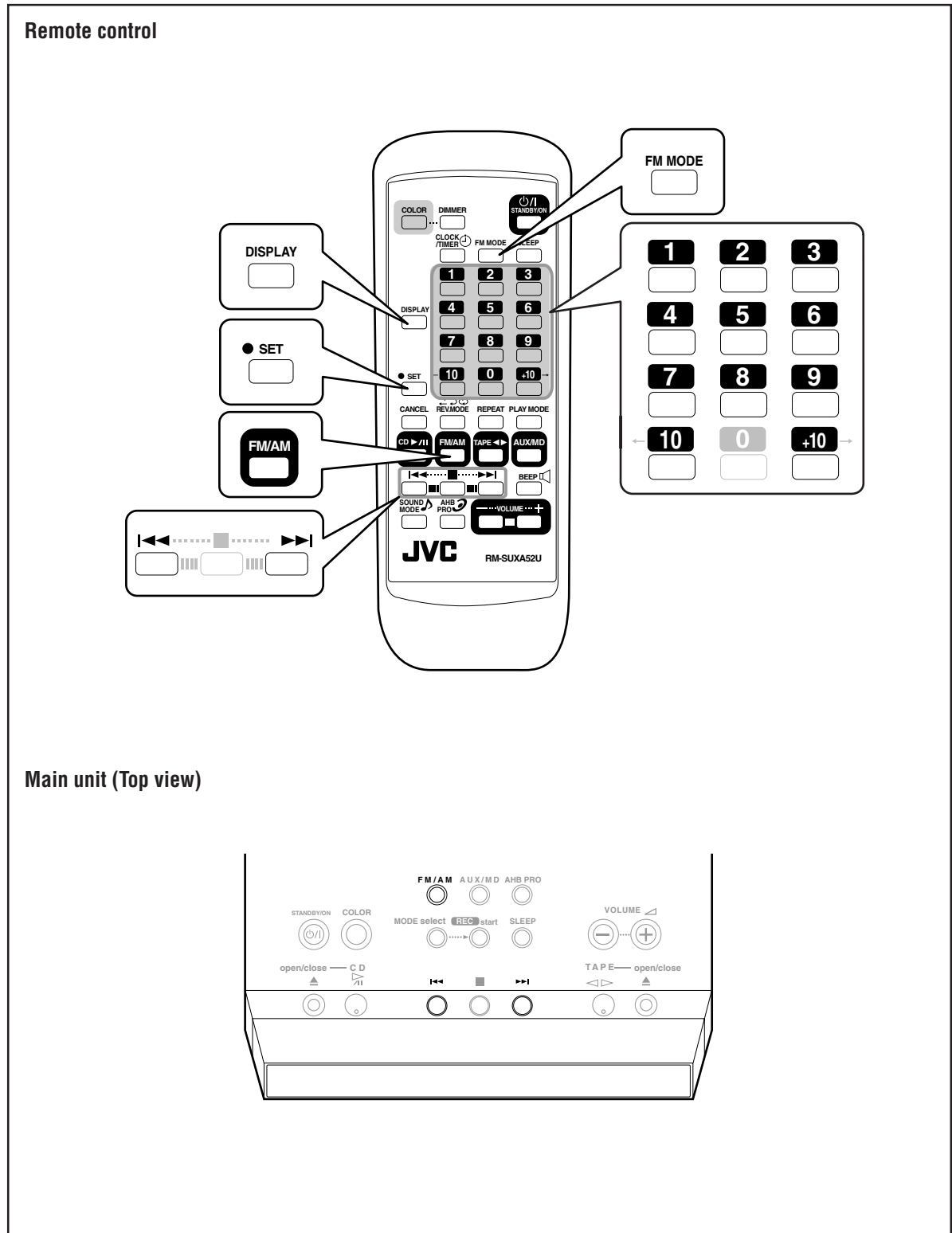**To dim the display,** press DIMMER.

To brighten the display, press DIMMER again.
• Pressing COLOR also brightens the display.

Listening to FM and AM (MW/LW) Broadcasts

The buttons emphasized in the illustration below are used and explained in this section (pages 15 to 16.)

Remote control

Main unit (Top view)

– 14 –

Tuning in a Station

1 **Press FM/AM repeatedly to select "FM" or "AM (MW/LW)."**

The unit automatically turns on with the last selected station.

• Each time you press the button, the band alternates between FM and AM (MW/LW).

2 **Press and hold ►►| or |◄◄ until the station frequencies start changing on the display.**

• ►►| : to increase the frequencies.
• |◄◄ : to decrease the frequencies.

The unit starts searching stations and stops when a station of sufficient signal strength is tuned in.

```
FM
        87.50MHz
```

Ex. An FM station is tuned in.

• If an FM program is broadcast in stereo, the ST (stereo) indicator lights on the display.

To stop during searching, press ►►| or |◄◄.

notes **When you press ►►| or |◄◄ repeatedly**
The frequency changes step by step.

To change the FM reception mode

When an FM stereo broadcast is noisy or hard to receive, you can change the FM reception mode to improve the reception.

On the remote control ONLY:
Press FM MODE so that the MONO indicator lights on the display.

• Each time you press the button, the MONO indicator lights and goes off alternately.

When the MONO indicator is lit:
Reception improves though stereo effect is lost.

When the MONO indicator is not lit:
You can hear stereo sound when a program is broadcast in stereo.
The ST (stereo) indicator lights while receiving the FM stereo broadcast (only when the reception is good.)
In addition, static noise between stations will be erased while tuning.

Presetting Stations

You can preset 30 FM and 15 AM (MW/LW) stations manually.

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.

On the remote control ONLY:

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

2 **Press SET.**
The preset number starts flashing as follows:
• **When you select an FM station in step 1**

```
FM-P 1
```

• **When you select an AM (MW/LW) station in step 1**

```
AM-P 1
```

Preset No. 1 always appears at first.

3 **Press the number buttons to select a preset number.**
Ex. For preset number 5, press 5.
For preset number 15, press +10, then 5.
For preset number 20, press +10, then 10.
For preset number 30, press +10, +10, then 10.

• You can also select the preset number by pressing ►►| or |◄◄.

4 **Press SET again.**
"STORED" appears on the display for a while.

```
STORED
```

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.

notes **When you unplug the AC power cord or if a power failure occurs**
The preset stations will be erased. If this happens, preset the stations again.

Tuning in a Preset Station

<u>**On the remote control ONLY:**</u>

1 **Press FM/AM repeatedly to select "FM" or "AM (MW/LW)."**
The unit automatically turns on with the last selected station.
• Each time you press the button, the band alternates between FM and AM (MW/LW).

2 **Press the number buttons to select a preset number.**
Ex. For preset number 5, press 5.
  For preset number 15, press +10, then 5.
  For preset number 20, press +10, then 10.
  For preset number 30, press +10, +10, then 10.

To check the clock time while listening to the broadcast
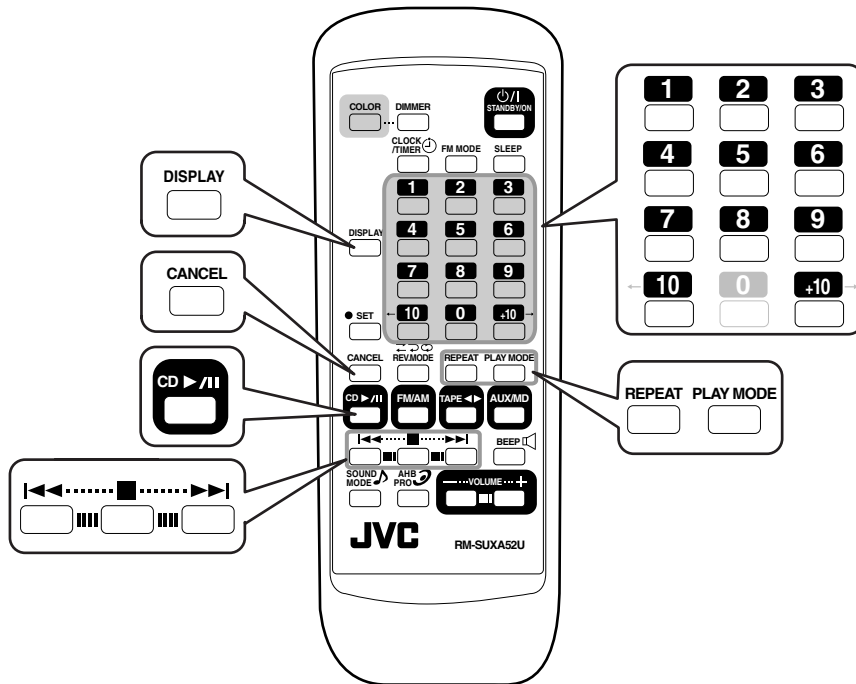<u>**On the remote control ONLY:**</u>
Press DISPLAY (not on number buttons.)
• Each time you press the button, the source information and the clock time alternate on the display.
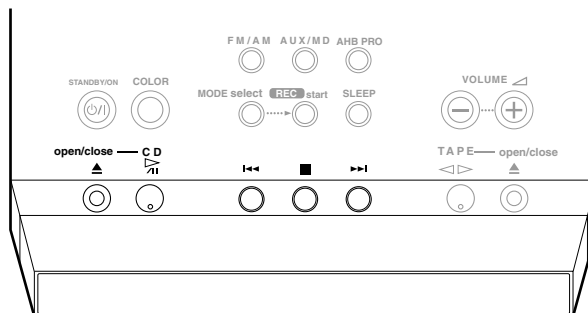
Playing Back a CD

The buttons emphasized in the illustration below are used and explained in this section (pages 18 to 21.)

Remote control

Main unit (Top view)

Precautions on CD Playback

This unit has been designed to play back discs bearing the following logos:

CD ReWritable (CD-RW)

CD Recordable (CD-R)

Audio CD

When playing a CD-R or CD-RW
User-edited CD-Rs (CD-Recordable) and CD-RWs (CD-ReWritable) can be played back when they are already "**finalized**." If you play back an **unfinalized** discs, "UNFINALIZE" appears on the display.
• You can play back your original CD-Rs or CD-RWs recorded in **music CD format ONLY**. (If CD-RWs have been recorded in different format, erase all the data on CD-RWs completely before re-recording on the discs.)
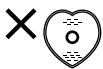
> **STOP!** DO NOT play back CD-Rs or CD-RWs including the sound files such as MP3.

• Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.
• Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player's lens is dirty.

Important notices:
• In general, you will have the best performance by keeping your CDs and the mechanism clean.
  - Store CDs in their cases, and keep them in cabinets or on shelves.
  - Keep the unit's disc tray closed when not in use.
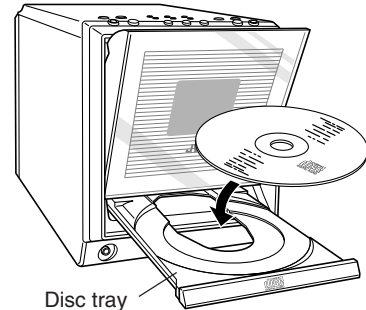• Continuous use of irregular shaped discs (heart-shape, octagonal, etc.) can damage the disc rotating mechanism.

• CD-RWs may require a longer readout time. This is caused by the fact that the reflectance of CD-RWs is lower than for regular CDs.

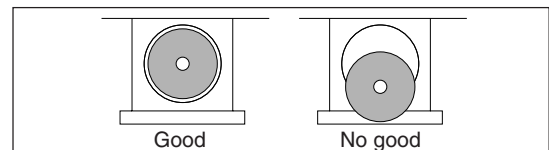## Playing Back the Entire CD—Normal Play

You can play a CD.

1 Press CD open/close ▲ on the unit.
The unit automatically turns on, the electronic swing panel slides upward, and the disc tray comes out.

Disc tray

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

Good   No good

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

3 Press CD ▶ / ❚❚.
The disc tray closes, then the electronic swing panel slides downward automatically.
The CD indicator starts rotating on the display and CD playback starts from the first track.
• If you press CD open/close ▲ again, the disc tray closes, and the electronic swing panel slides downward automatically. CD playback does not start until you press CD ▶ / ❚❚.

CD indicator
CD 1
Current track number
0:05
Elapsed playing time

CD playback stops automatically after playing all the tracks on the CD.

To stop during play, press ■.
The following information appears.

CD indicator

Total track number

Total playing time

To remove the disc, press CD open/close ▲.
The electronic swing panel slides upward, and the disc tray comes out.

• After removing the CD, press CD open/close ▲ again to close the electronic swing panel.

Basic CD Operations

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

To stop playback for a moment
Press CD ▶ / Ⅱ.
The elapsed playing time starts flashing on the display.
To resume playback, press CD ▶ / Ⅱ again.

To locate a particular point in a track during play
Press and hold ▶▶Ⅰ or Ⅰ◀◀.
• ▶▶Ⅰ : Fast-forwards the tracks.
• Ⅰ◀◀ : Fast-reverses the tracks.

To go to another track
Press ▶▶Ⅰ or Ⅰ◀◀ repeatedly.
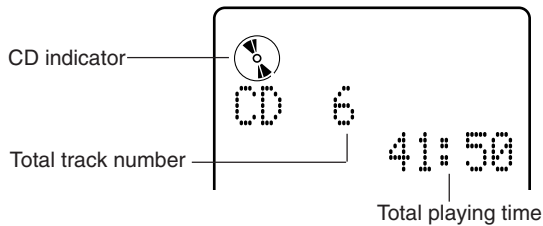• ▶▶Ⅰ : Skips to the beginning of the next or succeeding tracks.
• Ⅰ◀◀ : Goes back to the beginning of the current or previous tracks.

To go to another track directly using the number buttons
On the remote control ONLY:
Pressing the number button(s) allows you to start playing the track number you want.
  Ex.: For track number 5, press 5.
    For track number 15, press +10, then 5.
    For track number 20, press +10, then 10.
    For track number 32, press +10, +10, +10, then 2.

To check the clock time while playing back CD
On the remote control ONLY:
Press DISPLAY (not on number buttons.)
• Each time you press the button, the source information and the clock time alternate on the display.

Programing the Playing Order of the Tracks —Program Play
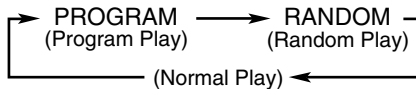
You can arrange the order in which the tracks play before you start playing. You can program up to 32 tracks.
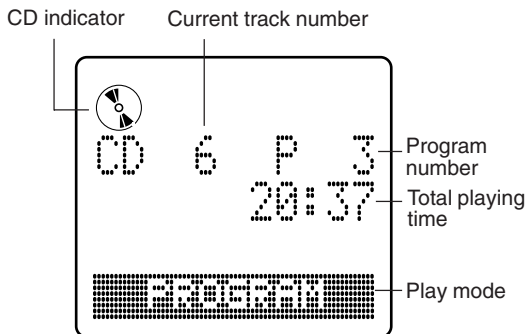
On the remote control ONLY:

1 Load a CD.

2 Press CD ► / **Ⅱ**, then ∎.
The source is changed to "CD."

3 Press PLAY MODE repeatedly until "PROGRAM" appears on the display.
• Each time you press the button, play mode changes as follows:

```
  ┌──► PROGRAM ──────► RANDOM ──┐
  │    (Program Play)   (Random Play) │
  └──────── (Normal Play) ◄──────────┘
```

4 Press the number buttons to select the tracks.
• For how to use the number buttons, see "To go to another track directly using the number buttons" on page 19.

CD indicator   Current track number

```
┌─────────────────────────────┐
│  ◉                          │
│                             │
│  CD   6   P  3 ─── Program  │
│                    number   │
│         20:37 ─── Total playing │
│                    time     │
│                             │
│  ▓▓▓▓PROGRAM▓▓▓ ─── Play mode │
└─────────────────────────────┘
```

5 Press CD ► / **Ⅱ**.
The tracks are played in the order you have programed. Program Play ends when all the tracks are played once.

To stop during play, press ∎.

To exit from Program Play, press PLAY MODE repeatedly so that the unit enters the other play modes (Random Play or Normal Play) before or after play.

To check the program contents
Before playing, you can check the program contents by pressing |◄◄ or ►►|.
• |◄◄ : Shows the programed tracks in the reverse order.
• ►►| : Shows tracks in the programed order.

To modify the program
Before or after playing, you can erase the last programed track by pressing CANCEL. Each time you press the button, the last programed track is erased from the program.

To add tracks in the program before you start play, press the number buttons to select track numbers you want to add.

To erase the entire program, press CD open/close ▲ to eject the CD.
• Turning off the unit will also erase the program.

notes **If you try to program a 33rd step**
"MEMORY FULL" will appear on the display.

notes **If your entry is ignored**
You have tried to program 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.

notes **If the total playing time is 100 minutes (one hour and 40 minutes) or more**
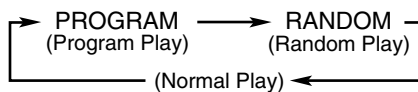The total playing time will not be shown. ("– – : – –" will appear.)

Playing at Random—Random Play

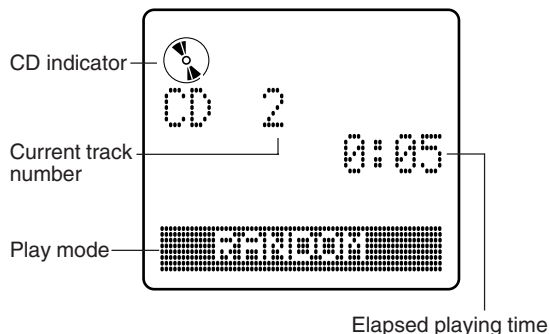The tracks of a loaded CD will play at random.

On the remote control ONLY:

1 **Load a CD.**

2 **Press CD ► / Ⅱ, then ■.**
The source is changed to "CD."

3 **Press PLAY MODE repeatedly until "RANDOM" appears on the display.**
• Each time you press the button, play mode changes as follows:

```
    ┌──► PROGRAM ────────► RANDOM ──┐
         (Program Play)    (Random Play)
    └──────── (Normal Play) ◄───────┘
```

4 **Press CD ► / Ⅱ.**
The tracks are played at random.

CD indicator ──→ 🔘

CD   2   0:05

Current track number

Play mode ──→ RANDOM

Elapsed playing time

Random Play stops when all the tracks are played once.

To skip the current track, press ►►Ⅰ.
• You cannot go back to the previous tracks by pressing Ⅰ◄◄.

To stop during play, press ■.

To exit from Random Play, press PLAY MODE repeatedly so that the unit enters the other play modes (Normal Play or Program Play) before or after play.
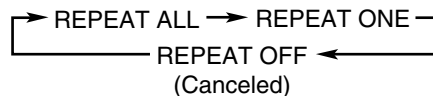
Repeating Tracks—Repeat Play

You can repeat all tracks (regardless of play mode), or also a single track as many times as you like.

On the remote control ONLY:
To repeat play, press REPEAT before or during play.
• Each time you press the button, Repeat Play changes as follows:

```
    ┌──► REPEAT ALL ──► REPEAT ONE ──┐
    └──────── REPEAT OFF ◄───────────┘
              (Canceled)
```

REPEAT ALL : Repeats all the tracks on the CD (in Normal or Random Play), or all the tracks in Program Play.
REPEAT ONE : Repeats only one track.
REPEAT OFF : Cancels Repeat Play.

CD indicator ──→ 🔘

CD   6   41:50

REPEAT ALL

Repeat mode indication (ex. REPEAT ALL)

• If play mode is either Program or Random Play, the repeat mode indication appears on the display for a while each time you press REPEAT.

To exit from Repeat Play, press REPEAT repeatedly until "REPEAT OFF" appears on the display.

Playing Back a Tape

The buttons emphasized in the illustration below are used and explained in this section (page 23.)

Remote control

DISPLAY

REV.MODE

TAPE ◀▶

COLOR   DIMMER   STANDBY/ON

CLOCK/TIMER   FM MODE   SLEEP

DISPLAY

1 2 3
4 5 6
7 8 9
10 0 +10

● SET   REV.MODE

CANCEL   REV.MODE   EAT   PLAY MODE

CD ▶/❙❙   FM/AM   TAPE ◀▶   AUX/MD

❙◀◀   ▶▶❙   BE

SOUND MODE   AHB PRO   VOLUME

JVC   RM-SUXA52U

❙◀◀   ▶▶❙

Main unit (Top view)

F M / A M   A U X / M D   AHB PRO

STANDBY/ON   COLOR   MODE select   REC start   SLEEP   VOLUME

open/close — C D   ❙◀◀   ■   ▶▶❙   T A P E — open/close

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Playing Back a Tape

You can play back type I, II, and IV tapes.

1 Press TAPE open/close ⏏ on the unit.
The unit automatically turns on, the electronic swing panel slides downward, and the cassette loading slot appears.
If a cassette is already in the cassette loading slot, it is ejected.

cassette loading slot

2 Insert a cassette with the exposed part facing left.
The cassette is pulled in, then the electronic swing panel slides upward automatically.

3 Press TAPE ◄ ►.
The tape starts playing.
• Each time you press the button, the tape direction changes as follows:
  ▶▶▶ : Plays the front side.
  ◀◀◀ : Plays the reverse side.

Tape indicator

TAPE

Reverse mode

Tape direction

When the tape plays to the end, the cassette deck automatically stops if the reverse mode is set to ⇄ or ⇄. (See "To play both sides—Reverse Mode".)

To stop during play, press ■.

To fast-wind or rewind the tape, press ►►| or |◄◄.
• **When the tape direction is ▶▶**
  ►►| : Fast-winds the tape.
  |◄◄ : Rewinds the tape.
• **When the tape direction is ◀◀**
  |◄◄ : Fast-winds the tape.
  ►►| : Rewinds the tape.

To eject the cassette, press TAPE open/close ⏏.
• After ejecting the cassette, press TAPE open/close ⏏ again to close the electronic swing panel.

STOP! DO NOT press TAPE open/close ⏏ during tape play.

To play both sides—Reverse Mode
You can set the cassette deck to play just one side of a tape, both sides once, or both sides continuously.
• You can set this mode only when a cassette is already in the cassette deck.

On the remote control ONLY:
Press REV. MODE.
• Each time you press the button, the reverse mode changes as follows:
  ⇄ : To only play back one side (front or reverse.)
  ⇄ : To play back the front and reverse sides once.
  ↻ : To play back both front and reverse sides continuously.

To check the clock time while playing back a tape
On the remote control ONLY:
Press DISPLAY (not on number buttons.)
• Each time you press the button, the source information and the clock time alternate on the display.

notes 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.
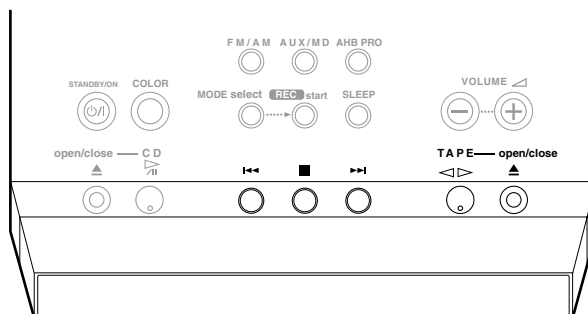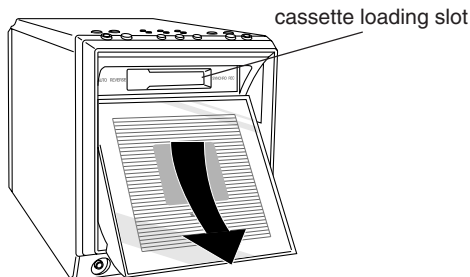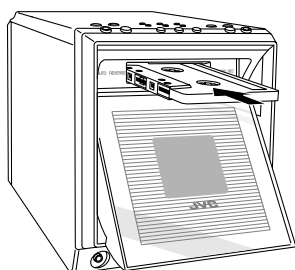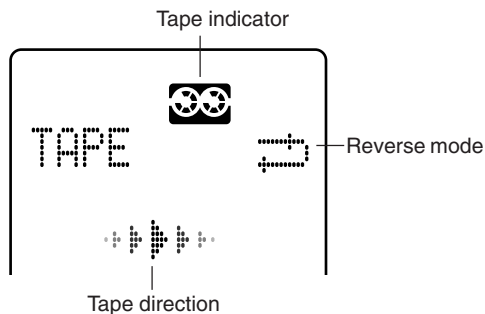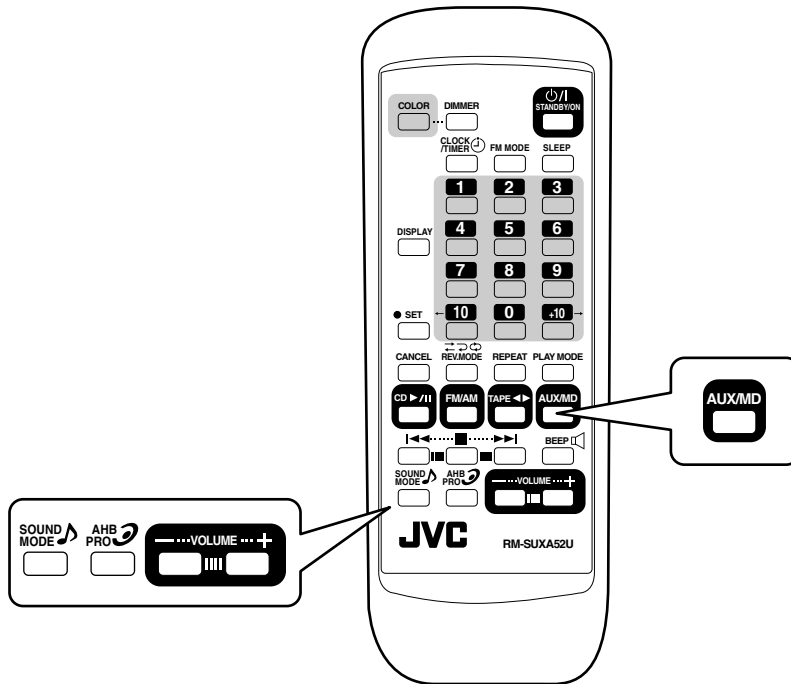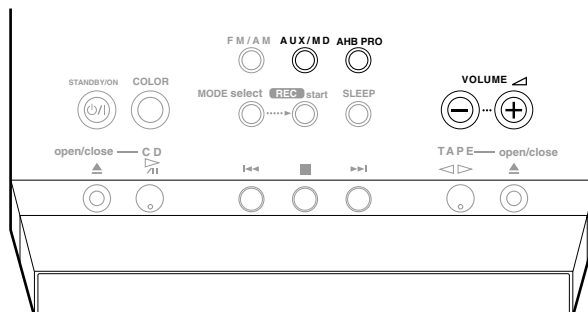
Using External Equipment

The buttons emphasized in the illustration below are used and explained in this section (page 25.)
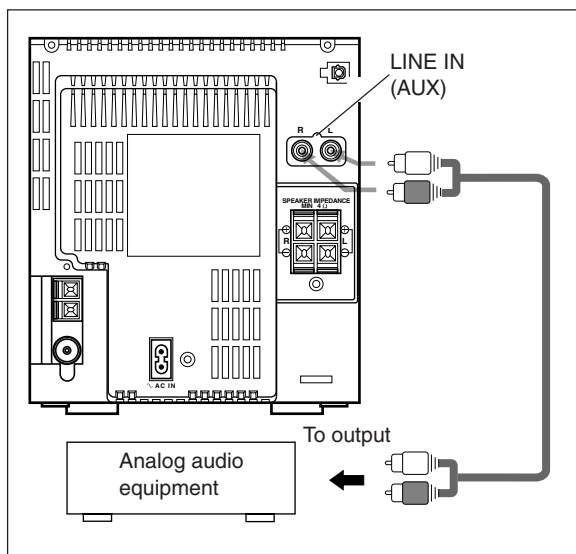
Remote control

Main unit (Top view)

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Listening to External Equipment

You can listen to external equipment such as an MD recorder.
• First make sure that the external equipment is properly connected as follows:

LINE IN (AUX)

SPEAKER IMPEDANCE MIN 4 Ω

AC IN

To output

Analog audio equipment

1 **Press AUX/MD.**
"AUX" appears on the display.

$$AUX$$

2 **Adjust the volume level to the minimum position.**

3 **Start playing the external equipment.**
• For operation of the external equipment, refer to its manual.

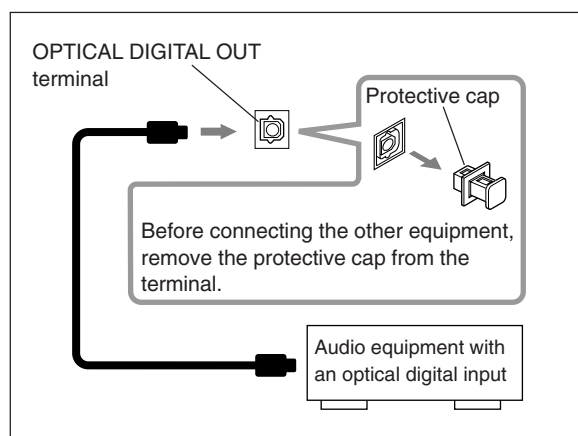**4** **Press VOLUME + / – to adjust your desired listening level.**

5 **Apply sound effects, if you wish.**
• Press AHB PRO if you want to reinforce the bass sound.
  (See "Reinforcing the Bass sound" on page 12.)
• Press SOUND MODE if you want to control the tone.
  (See "Selecting the Sound modes" on page 12.)

Recording from This Unit to External Equipment

You can record from this unit to external equipment connected to the OPTICAL DIGITAL OUT terminal of this unit, such as an MD recorder.
• The recording level is not affected by the VOLUME level and sound effect, either.
• First make sure that the external equipment is properly connected as follows:

OPTICAL DIGITAL OUT terminal

Protective cap

Before connecting the other equipment, remove the protective cap from the terminal.

Audio equipment with an optical digital input

1 **Prepare for recording on the external equipment.**

2 **Start recording on the external equipment.**
• For operation of the external equipment, refer to its manual.

3 **Play the CD Player of this unit.**
• For the CD operation, see page 17 to 21.

To check the clock time while listening to the external equipment
On the remote control ONLY:
Press DISPLAY (not on number buttons.)
• Each time you press the button, "AUX" and the clock time alternate on the display.

Recording on Tapes

The buttons emphasized in the illustration below are used and explained in this section (pages 28 to 29.)
For recording operations, mainly use the buttons on the unit.
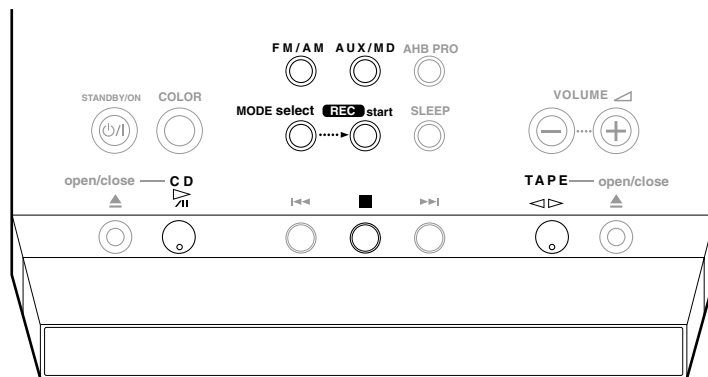
Main unit (Top view)

FM/AM AUX/MD AHB PRO

STANDBY/ON COLOR MODE select REC start SLEEP VOLUME

open/close — C D TAPE — open/close

Remote control

COLOR DIMMER STANDBY/ON

CLOCK/TIMER FM MODE SLEEP

1 2 3

DISPLAY

4 5 6

7 8 9

● SET 10 0 +10

CANCEL REV.MODE REPEAT PLAY MODE

CD ▶/Ⅱ FM/AM TAPE ◀▶ AUX/MD

BEEP

SOUND MODE AHB PRO VOLUME

JVC RM-SUXA52U

CD ▶/Ⅱ FM/AM TAPE ◀▶ AUX/MD

Before You Start Recording

- **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 control. Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
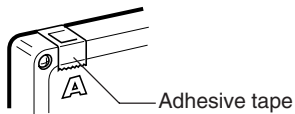- While recording, you can hear sound mode effect and/or the Active Hyper Bass PRO effect through the speakers or headphones. However, the sound is recorded without these effects (see pages 12.)
- While recording, the display lights red.
- If recordings you have made have excessive noise or static, the unit may be too close to a TV. Place the unit away from the TV.
- You can use type I tape for recording.

To protect your recordings

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

Adhesive tape

notes   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.
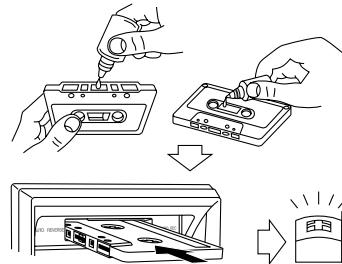
To keep the best recording and playback sound quality

You need to clean the heads.

- Clean the heads after every 10 hours of use with a wet-type head cleaning tape (available at electronic and audio shops.)
  When the head becomes dirty, the following symptoms will occur:
  – Sound quality is reduced.
  – Sound level decreases.
  – Sound drops out.
- Do not play dirty or dusty tapes.
- Do not touch the highly-polished head with any metallic or magnetic tools.

To demagnetize the head
Turn off the unit, and use a head demagnetizer (available at electronic and audio shops.)

notes   **At the start and end of cassette tapes**
There is leader tape which cannot be recorded onto. Thus, when recording CDs or radio broadcasts, wind the leader tape first to ensure that the recording will be made without any music part lost.

<table>
<tr><td colspan="2">What's a Recording Mode and Reverse Mode ?
You have two methods (MODE 1/2 and 2/2) to record from some sources onto a tape.</td></tr>
</table>

Recording mode	Reverse mode
MODE 1/2	⤺
MODE 2/2	⇄

⤺ : To record the front and reverse sides once.

⇄ : To only record one side (front or reverse.)

In the following procedure, MODE 1/2 (⤺) is selected as a recording method.

Recording FM/AM (MW/LW) Broadcasts

You can record from an FM or AM (MW/LW) broadcast onto a tape.

<u>On the unit ONLY:</u>

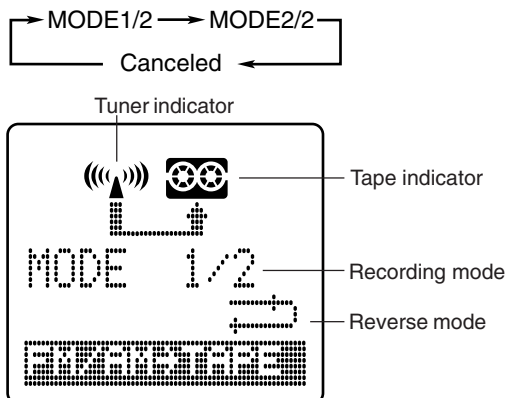**1 Insert a recordable cassette into the cassette loading slot.**
- Press TAPE ◁ ▷ to adjust the tape direction to " ▮▶▮ " then ■.

2 Tune in a station you want.
- For more detailed operations, see pages 15 and 16.

3 Press MODE select to select a recording mode.
- Each time you press the button, recording mode changes as follows:

➤ MODE1/2 ➝ MODE2/2 ⌐
⌊ Canceled ◄

Tuner indicator

Ex.When selecting MODE 1/2

— Tape indicator
— Recording mode
— Reverse mode

4 Press REC start.
The recording starts.

To stop recording, press ■.

To check the clock time while recording from the broadcast onto a tape
<u>On the remote control ONLY:</u>
Press DISPLAY (not on number buttons.)
- Each time you press the button, the recording information and the clock time alternate on the display.

Recording CD—CD Synchronized Recording

You can record from a CD onto a tape.
Using these synchronized recording methods, you can start and stop CD play and tape recording at the same time.

<u>On the unit ONLY:</u>

1 Insert a recordable cassette into the cassette loading slot.
- Press TAPE ◁ ▷ to adjust the tape direction to " ▮▶▮ " then ■.

2 Prepare a CD.
- After loading the CD, press CD ▷ / ❚❚, then ■ before going to the next step.
- You can make a program (see page 20) or select Random Play (see page 21) if you want.

3 Press MODE select to select a recording mode.
- Each time you press the button, recording mode changes as follows:

➤ MODE1/2 ➝ MODE2/2 ⌐
⌊ Canceled ◄

CD indicator

Ex. When selecting MODE 1/2

— Tape indicator
— Recording mode
— Reverse mode

4 Press REC start.
Both the CD play and the recording start.
- After the recording, both the CD player and the cassette deck stop automatically.

To stop recording, press ■.
CD play stops first, then after 4 seconds, the recording stops.

To record a single track during play or pause

While playing back you want to record, perform steps *3* and *4*.

The playback of the track is stopped, and then starts from the beginning again. This time, the cassette deck starts recording the track.

• After the track is recorded, both the CD player and the cassette deck stop automatically.

To check the clock time while recording from the CD onto a tape

<u>On the remote control ONLY:</u>

Press DISPLAY (not on number buttons.)

• Each time you press the button, the recording information and the clock time alternate on the display.

Recording External Equipment

You can record from external equipment onto a tape. The external equipment needs to be connected to LINE IN (AUX) terminal of this unit (for how to connect, see page 9.)

<u>On the unit ONLY:</u>

1 **Insert a recordable cassette into the cassette loading slot.**
   • Press TAPE ◁ ▷ to adjust the tape direction to " ⊪⊪ " then ■.

2 **Press AUX/MD.**
   The source is changed to "AUX."

3 **Press MODE select to select a recording mode.**
   • Each time you press the button, recording mode changes as follows:

   ```
    ┌→ MODE1/2 ──→ MODE2/2 ┐
    │                      │
    └──── Canceled ◄───────┘
   ```


   Tape indicator

   MODE 1/2 — Recording mode

   Reverse mode

   Ex. When selecting MODE 1/2

4 **Press REC start.**
   The recording starts.

5 **Start playback on the external equipment.**

To stop recording, press ■.

To check the clock time while recording from the external equipment onto a tape

<u>On the remote control ONLY:</u>

Press DISPLAY (not on number buttons.)

• Each time you press the button, the recording information and the clock time alternate on the display.

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Using the Timers

The buttons emphasized in the illustration below are used and explained in this section (pages 31 to 34.)

Remote control

DIMMER

CLOCK /TIMER

● SET

CANCEL

STANDBY/ON

SLEEP

COLOR DIMMER

CLOCK TIMER   FM MODE   SLEEP

DISPLAY

1 2 3
4 5 6
7 8 9
10 0 +10

● SET

CANCEL REV.MODE REPEAT PLAY MODE

CD ▶/❙❙ FM/AM TAPE ◀▶ AUX/MD

BEEP

SOUND MODE   AHB PRO   VOLUME

JVC   RM-SUXA52U

1 2 3
4 5 6
7 8 9
10 0 +10

Main unit (Top view)

FM/AM   AUX/MD   AHB PRO

STANDBY/ON   COLOR

MODE select REC start   SLEEP

VOLUME

open/close — C D

TAPE — open/close

– 30 –

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

You need to set the built-in clock to use these timers.

Setting the Clock

You can set the clock whether the unit is turned on or off (on standby.)

On the remote control ONLY:

1 **Press CLOCK/TIMER repeatedly until "TIME ADJUST" appears on the display.**
The hour digit starts flashing on the display.

$$0{:}00$$

2 **Press ►►│ or │◄◄ repeatedly to adjust the hour.**
• When you press and hold the button, the hour digit changes continuously.

3 **Press SET to set the hour.**
The minute digit starts flashing on the display.

10:00   Ex. When pressing SET after adjusting the hour to 10.

• If you want to correct the hour again, press CANCEL.
The hour digit starts flashing again.

4 **Press ►►│ or │◄◄ repeatedly to adjust the minute.**
• When you press and hold the button, the minute digit changes continuously.

5 **Press SET to finish setting the clock.**
The built-in clock starts.

10:10   Ex. When pressing SET after adjusting the minute to 10.

notes **To adjust the clock again**
Press CLOCK/TIMER repeatedly in step **1** until "TIME ADJUST" appears on the display, then perform steps **2** to **5** above.

notes **To check the clock time by sound while the unit is turned off (on standby)**
Press DIMMER while the key-touch tone is set to on. The clock time will be indicated by sound.

notes **When you unplug the AC power cord or if a power failure occurs**
The clock setting will be reset to "0:00." If this happen, you need to set the clock again.

Using Recording Timer

With Recording Timer, you can make an unattended recording.
• You can set Recording Timer whether the unit is turned on or off (on standby.)
• To correct a misentry any time during the setting process, press CANCEL.

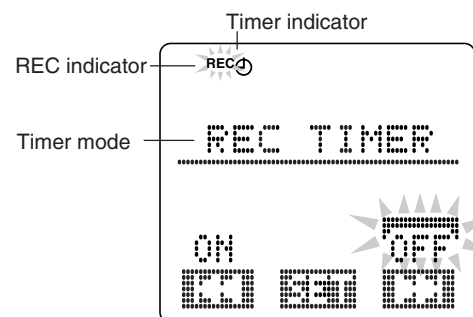### How Recording Timer actually works

The unit automatically turns on, and starts recording on a tape when the timer-on time comes. (While Recording Timer is working, the REC indicator keeps flashing.) Then, when the timer-off time comes, the recording stops and the unit automatically turns off (on standby.)
Recording Timer works only once, but the timer settings remain stored in memory unless you reset them or unplug the AC power cord.

On the remote control ONLY:

1 **Press CLOCK/TIMER repeatedly until "REC TIMER" appears on the display.**
The timer (⏱) indicator lights, and the REC indicator starts flashing on the display.

Timer indicator

REC indicator ─── **REC**⏱

Timer mode ─── REC TIMER

ON   OFF

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

→ REC TIMER → DAILY TIMER ─┐
└─ Canceled ← TIME ADJUST ←─┘

─ 31 ─

2 Press ⏮ to select "ON," then press SET.

3 Select the source to record.

1) Press ▶▶ or ⏮ repeatedly to select the source.
   • Each time you press the buttons, the source changes as follows:

   → FROM AUX ⟷ FROM FM ←
   ↳ FROM AM ↲

2) Press SET.
   • **When you have selected "FROM FM" or "FROM AM,"** select a preset number by pressing ▶▶ or ⏮ (for how to preset stations, see page 15.)
   • **When you have selected "FROM AUX,"** the external equipment also needs to have the timer function.

3) **Press SET again.**

4 Select the reverse mode either ⇄ or ⇆ by pressing ▶▶ or ⏮, then press SET.
   • For reverse mode, see page 28.

5 Set the timer-on and timer-off time.

1) Press ▶▶ or ⏮ repeatedly to select the hour of the timer-on time, then press SET.
   The minute digit of timer-on time starts flashing on the display.

   1:00 0:00
   ↑   ↑
   Timer-on time   Timer-off time

2) Press ▶▶ or ⏮ repeatedly to select the minute of the timer-on time, then press SET.
   The hour digit of timer-off time starts flashing on the display.

3) Press ▶▶ or ⏮ repeatedly to select the hour of the timer-off time, then press SET.
   The minute digit of timer-off time starts flashing on the display.

4) Press ▶▶ or ⏮ repeatedly to select the minute of the timer-off time, then press SET.
   • The setting you have done are shown on the display in sequence.
   • The REC indicator stops flashing and remains lit.

6 Press ⏻/ STANDBY/ON to turn off the unit (on standby) if necessary.
   • No sounds come out while timer recording is performed.

To turn off the Recording Timer after its setting is done,

1 Press CLOCK/TIMER repeatedly until "REC TIMER" appears on the display.
2 Press ▶▶ to select "OFF," then press SET.
   The timer (⏱) and REC indicators go off from the display.

   To turn on the Recording Timer again, press ⏮ to select "ON," then press SET.
   The timer (⏱) and REC indicators light on the display. The settings you have done are shown on the display for your confirmation.

notes **If you stop recording during Recording Timer**
The recording is canceled, but when the timer-off time comes, the unit turns off.

notes **When you unplug the AC power cord or if a power failure occurs**
The timer setting, the tuner preset stations and other settings will be erased.

Using Daily Timer

With Daily Timer, you can wake up to your favorite music or radio program.
• You can set Daily Timer whether the unit is turned on or off (on standby.)
• To correct a misentry any time during the setting process, press CANCEL.

How Daily Timer actually works
The unit automatically turns on, and starts playing the specified source when the timer-on time comes. (While Daily Timer is working, the DAILY indicator keeps flashing.) Then, when the timer-off time comes, the unit automatically turns off (on standby.)
Daily Timer works every day, and the timer settings remain stored in memory unless you reset them or unplug the AC power cord.
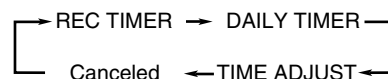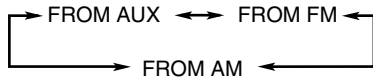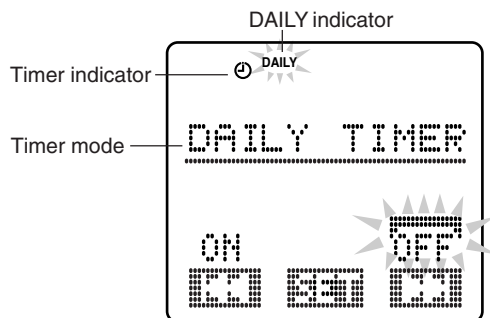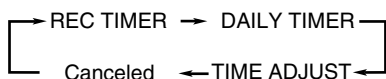
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1 **Press CLOCK/TIMER repeatedly until "DAILY TIMER" appears on the display.**

The timer (⏲) indicator lights, and the DAILY indicator starts flashing on the display.

DAILY indicator

Timer indicator

Timer mode

DAILY TIMER

ON OFF

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

REC TIMER → DAILY TIMER →
Canceled ← TIME ADJUST ←

2 **Press ◄◄ to select "ON," then press SET.**

3 **Select the source to play.**
1) Press ►►I or I◄◄ repeatedly to select the source.
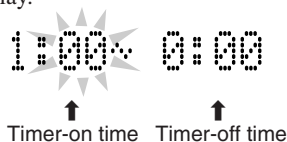• Each time you press the buttons, the source changes as follows:

FROM CD ↔ FROM TAPE ↔ FROM AUX
FROM AM ↔ FROM FM

2) Press SET.
• **When you have selected "FROM FM" or "FROM AM,"** select a preset number by pressing ►►I or I◄◄ (for how to preset stations, see page 15.)
• **When you have selected "FROM AUX,"** the external equipment also needs to have the timer function.
3) Press SET again.

4 **Set the timer-on and timer-off time.**
1) Press ►►I or I◄◄ repeatedly to select the hour of the timer-on time, then press SET.
The minute digit of timer-on time starts flashing on the display.

1:00 0:00

↑ ↑
Timer-on time   Timer-off time

2) Press ►►I or I◄◄ repeatedly to select the minute of the timer-on time, then press SET.
The hour digit of timer-off time starts flashing on the display.
3) Press ►►I or I◄◄ repeatedly to select the hour of the timer-off time, then press SET.
The minute digit of timer-off time starts flashing on the display.
4) Press ►►I or I◄◄ repeatedly to select the minute of the timer-off time, then press SET.

5 **Adjust the volume level.**
1) Press ►►I or I◄◄ repeatedly to adjust the volume level.
• You can adjust the volume level within the range of 0 (silent) to 40 (maximum.)
• When you select "VOLUME – –," the volume is set to the current volume level.
2) Press SET.
• The settings you have done are shown on the display in sequence.
• The DAILY indicator stops flashing and remains lit on the display.

6 **Press ⏻/I STANDBY/ON to turn off the unit (on standby.)**

To turn off the Daily Timer after its setting is done,
1 Press CLOCK/TIMER repeatedly until "DAILY TIMER" appears on the display.
2 Press ►►I to select "OFF," then press SET.
The timer (⏲) and DAILY indicators go off from the display.

To turn on the Daily Timer again, press I◄◄ to select "ON," then press SET.
The timer (⏲) and DAILY indicators light on the display.
The settings you have done are shown on the display for your confirmation.

notes **If the unit is kept turned on until the timer-on time comes**
Daily Timer does not work at all.

notes **Daily Timer will be canceled and the unit will not turn off automatically in the following:**
• When you change the source.

notes **When you unplug the AC power cord or if a power failure occurs**
The timer setting, the tuner preset stations and other settings will be erased.

Using Sleep Timer
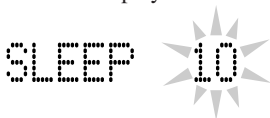
With Sleep Timer, you can fall asleep to your favorite music.
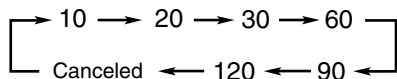• You can set Sleep Timer while the unit is turned on.

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

1 **Press SLEEP repeatedly until the time length you want appears on the display.**
The timer (☼) indicator starts flashing and "SLEEP 10" appears on the display.

SLEEP 10

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

10 → 20 → 30 → 60
Canceled ← 120 ← 90

2 **Press SET or wait for about 5 seconds.**
The display dims.
"SLEEP" appears on the display.

To check the remaining time until the shut-off time, press SLEEP once. The remaining time until the shut-off time appears for about 5 seconds.

To change the shut-off time, press SLEEP repeatedly until the time length you want appears.

To cancel the setting, press SLEEP repeatedly until "SLEEP" disappears from the display.

notes **Sleep Timer will be canceled in the following:**
• When you turn off the unit.
• When you operate other timer settings.
• When you adjust the clock.

notes **If "CLOCK ADJUST" appears on the display**
You need to set the built-in clock (see page 31.)

To sleep with the Sleep Timer and wake up with the Daily Timer
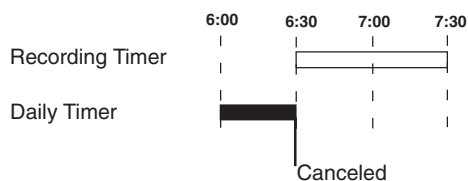The unit turns off when the shut-off time comes (set by the Sleep Timer), and turns on when the timer-on time comes (set by the Daily Timer.)

1 **Set the Daily Timer as explained on pages 32 and 33.**
2 **Start playing back any source you want to listen to before sleep.**
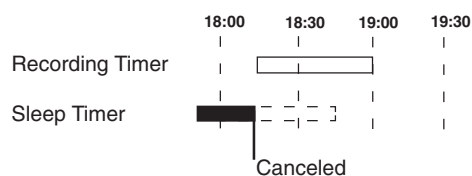**3** **Set the Sleep Timer.**

Timer Priority

Since each timer can be set separately, you may wonder what happens if the setting for these timers overlaps. Here are the priorities for each timer.

• **A timer with the later timer-on time has priority.**
If Recording Timer is set to come on while Daily Timer is operating, Daily Timer is canceled.

	6:00	6:30	7:00	7:30
Recording Timer				
Daily Timer				

Canceled

If Recording Timer is set to come on while Sleep Timer is operating, Sleep Timer will not shut off the power even if the shut-off time comes.

	18:00	18:30	19:00	19:30
Recording Timer				
Sleep Timer				

Canceled

Maintenance

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

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 electronic swing panel closed when not in use.

Cleaning the unit
- **Stains on the unit**
  Should be wiped off with a soft cloth. If the unit is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
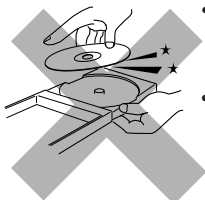- **Avoid the following since they may cause damage to the unit.**
  - DO NOT wipe it with a hard cloth.
  - DO NOT wipe it strong.
  - DO NOT wipe it with thinner or benzine.
  - DO NOT apply any volatile substance such as insecticides to it.
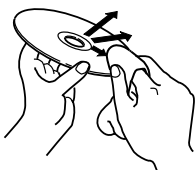 - DO NOT allow any rubber or plastic to remain in contact with it for a long time.

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.
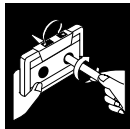- Put the disc back in its case after use to prevent warping.

- 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
  - On a TV or speaker
  - Near a magnet

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	Possible Cause	Action
No sound is heard.	Connections are incorrect or loose.	Check all connections and make corrections. (See pages 6 – 9.)
Unable to operate the remote control.	• The path between the remote control and the remote sensor on the unit is blocked. • The batteries have lost their charge. • You are using the remote control far from the unit.	• Remove the obstruction. • Replace the batteries. (See page 6.) • Signals cannot reach the remote sensor. Move closer to the unit.
Poor radio reception.	• The antenna is not connected correctly. • The AM (MW/LW) loop antenna is too close to the unit. • The FM antenna is not properly extended and positioned.	• Reconnect the antenna securely. • Change the position and direction of the AM (MW/LW) loop antenna. • Extend FM antenna to the best reception position.
An inserted CD and cassette cannot be ejected.	The AC power cord is not plugged in.	Plug it in the AC power plug.
The CD does not play.	The CD is upside down.	Put the CD in with the label side up.
The CD skips.	The CD is dirty or scratched.	Clean or replace the CD. (See page 35.)
Impossible to record on a tape.	Small tabs on the back of the cassette are removed.	Cover the holes with adhesive tape.
Operations are disabled.	The built-in microprocessor has malfunctioned due to external electrical interference.	Unplug the unit then plug it back in.
If "CANNOT PLAY" appears on the display	You are trying to play back a CD which cannot be played or there is a problem with the CD.	Change the CD.
If "CD LOAD ERROR" appears on the display	The CD tray does not open correctly because of the obstruction.	Press CD open/close ▲ to close the CD tray, then remove the obstruction.
If "UNFINALIZE" appears on the display	You are trying to play back a CD-R/RW which has not been "finalized" yet.	This is not a malfunction. You can play back "finalized" CD-R/RWs.
Noise is heard during illumination demonstration mode.	This unit automatically turns off and on during demonstration. If volume level is set high, you will hear this noise.	Turn on the unit, decrease the volume, then turn it off again.

Specifications UX-A52 (CA-UXA52 and SP-UXA52)

Amplifier
Output Power (IEC 268-3/DIN):
    40 W (20 W + 20 W) at 4 Ω (10 % THD)
Audio input sensitivity/Impedance (at 1 kHz)
    LINE IN (AUX):   500 mV/47 kΩ
Digital output – OPTICAL DIGITAL OUT
    Signal wave length: 660 nm
    Output level: –21 dBm to –15 dBm
Speaker Terminals: 4 Ω — 16 Ω

Tuner
FM tuning range:
        87.50 MHz — 108.00 MHz

AM (MW/LW) tuning range:
    MW: 522 kHz — 1 629 kHz
    LW: 144 kHz — 288 kHz

CD player
CD capacity: 1 CD
Dynamic range: 85 dB
Signal-to-noise ratio: 90 dB
Wow and flutter: Immeasurable

Casstte deck
Frequency response
    Normal (type I):   60 Hz — 14 000 Hz
Wow and flutter
    0.15 % (WRMS)

General
Power requirement: AC 240 V∿, 50 Hz
Power consumption: 49 W (at operation)
                1.3 W (on standby)
Dimensions (approx.):
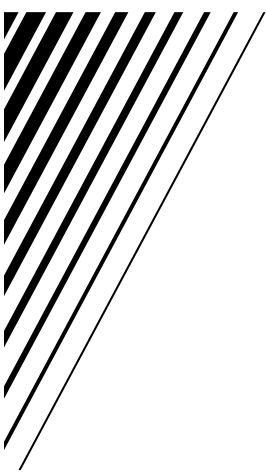   163 mm x 200 mm x 329 mm (W/H/D)
Mass (approx.):   4.3 kg

Speaker Section
Speakers: Woofer 10 cm, Tweeter 4 cm
Impedance: 4 Ω
Dimensions (approx.):
            140 mm x 200 mm x 249 mm (W/H/D)
Mass (approx.): 2.0 kg

Supplied accessories
See page 6.

Design and specifications are subject to change without notice.

JVC

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