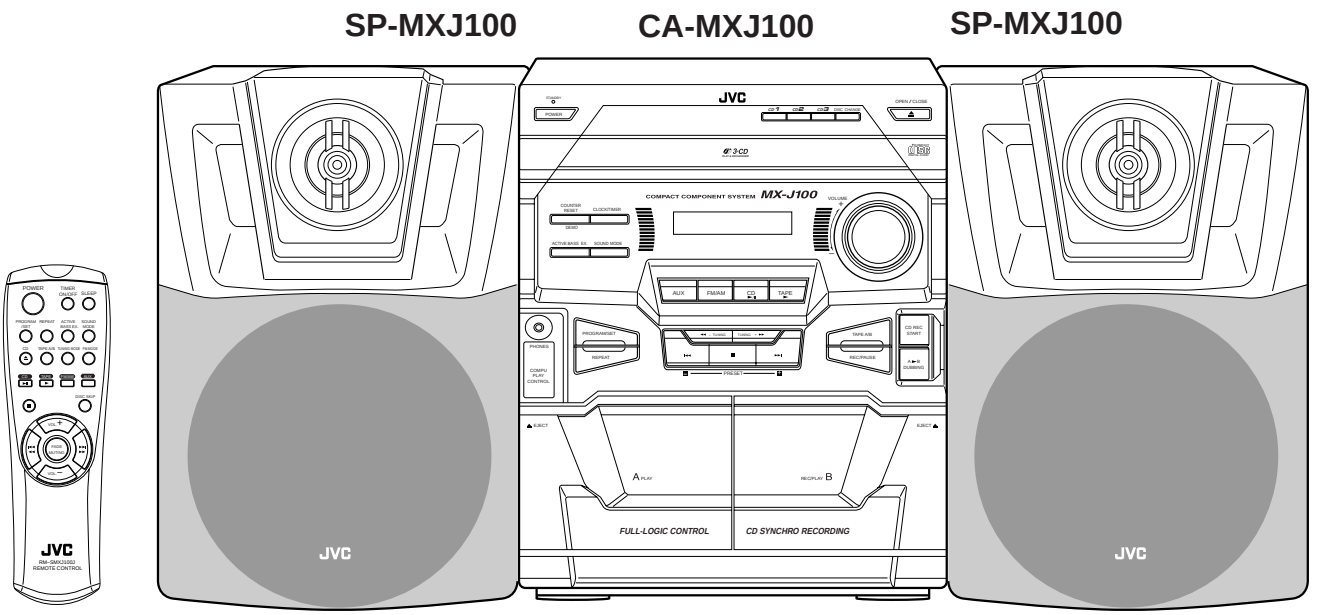
JVC

COMPACT COMPONENT SYSTEM

MX-J100

Consists of CA-MXJ100 and SP-MXJ100.



COMPACT disc DIGITAL AUDIO

INSTRUCTIONS

For Customer Use:

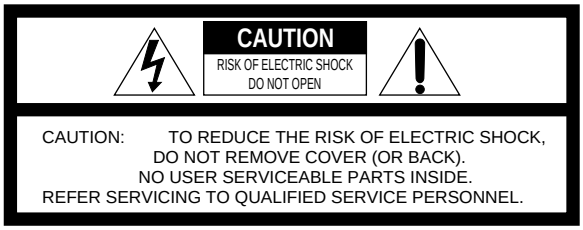
Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

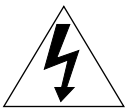
Model No. _____

Serial No. _____

LVT0472-001C
[J]

Warnings, Cautions and Others
Mises en garde, précautions et indications diverses





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

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

For U.S.A.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

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

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.

ATTENTION

Afin d'éviter tout risque d'électrocution, d'incendie, etc.:
1. Ne pas enlever les vis ni les panneaux et ne pas ouvrir le coffret de l'appareil.
2. Ne pas exposer l'appareil à la pluie ni à l'humidité.

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

Attention –– Commutateur POWER!
Déconnecter la fiche de secteur pour couper complètement le courant. Le commutateur POWER ne coupe jamais complètement la ligne de secteur, quelle que soit sa position. Le courant peut être télécommandé.

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. PRODUIT LASER CLASSE 1
2. **ATTENTION:** Radiation laser invisible quand l'appareil est ouvert ou que le verrouillage est en panne ou désactivé. Eviter une exposition directe au rayon.
3. **ATTENTION:** Ne pas ouvrir le couvercle du dessus. Il n'y a aucune pièce utilisable à l'intérieur. Laisser à un personnel qualifié le soin de réparer votre appareil.

For Canada/pour le Canada

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

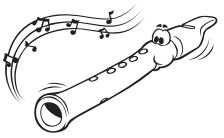
ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQUAU FOND.

For Canada/pour le Canada

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE INTERFERENCE-CAUSING EQUIPMENT STANDARD ENTITLED “DIGITAL APPARATUS,” ICES-003 OF THE DEPARTMENT OF COMMUNICATIONS.

CET APPAREIL NUMERIQUE RESPECTE LES LIMITES DE BRUITS RADIOELECTRIQUES APPLICABLES AUX APPAREILS NUMIRIQUES DE CLASSE B PRESCRITES DANS LA NORME SUR LE MATERIEL BROUILLEUR: “APPAREILS NUMERIQUES”, NMB-003 EDICTEE PAR LE MINISTRE DES COMMUNICATIONS.

Introduction



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

About This Manual

This manual is organized as follows:

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

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

Gives you information and hints you had better know.

Precautions

Installation

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

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

Power sources

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

DO NOT handle the AC power cord with wet hands.

Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting heating in the room
- In a damp room
- If the unit is brought directly from a cold to a warm place

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

Others

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

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

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

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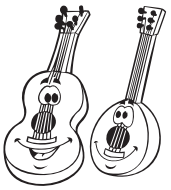

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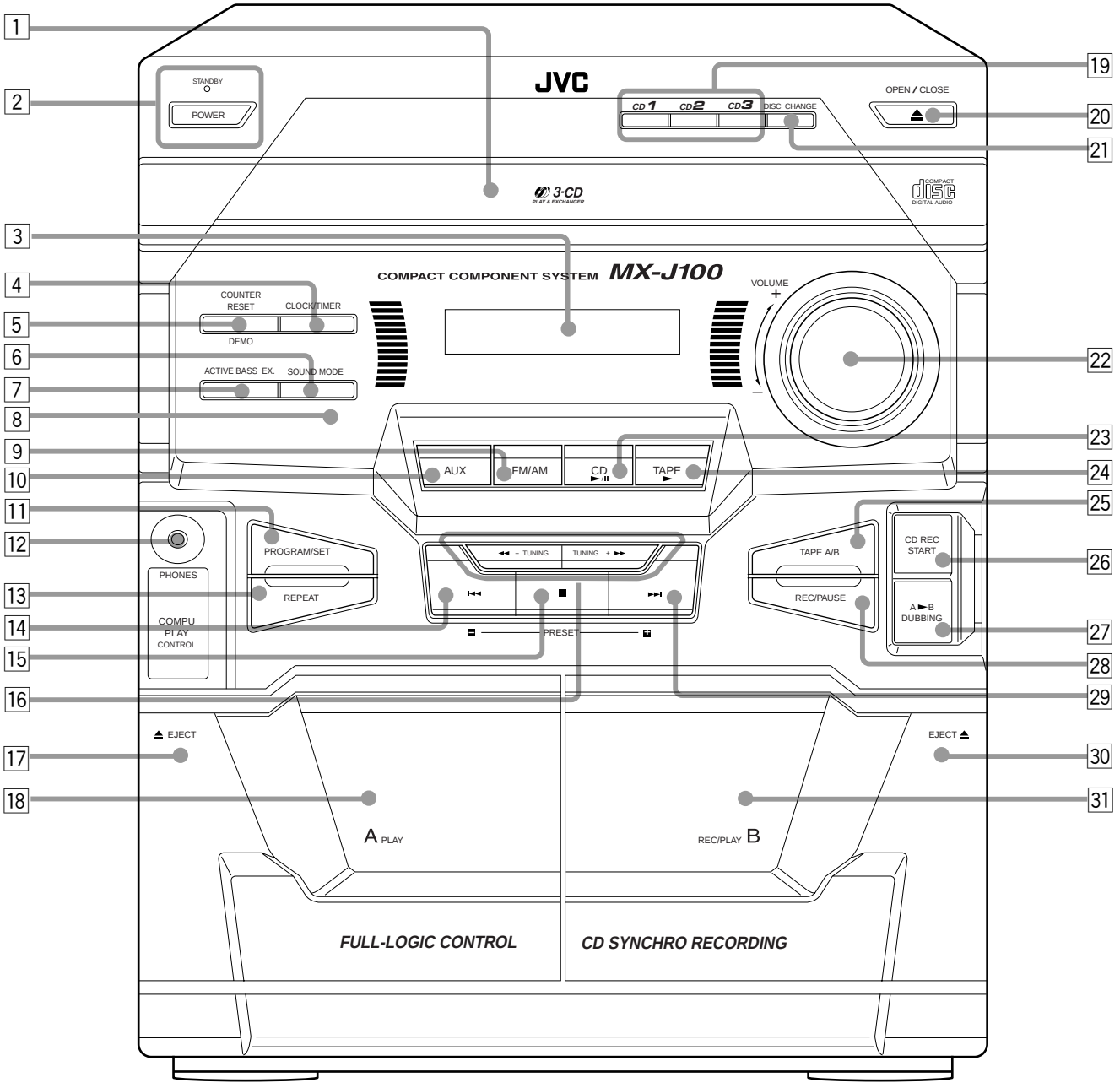
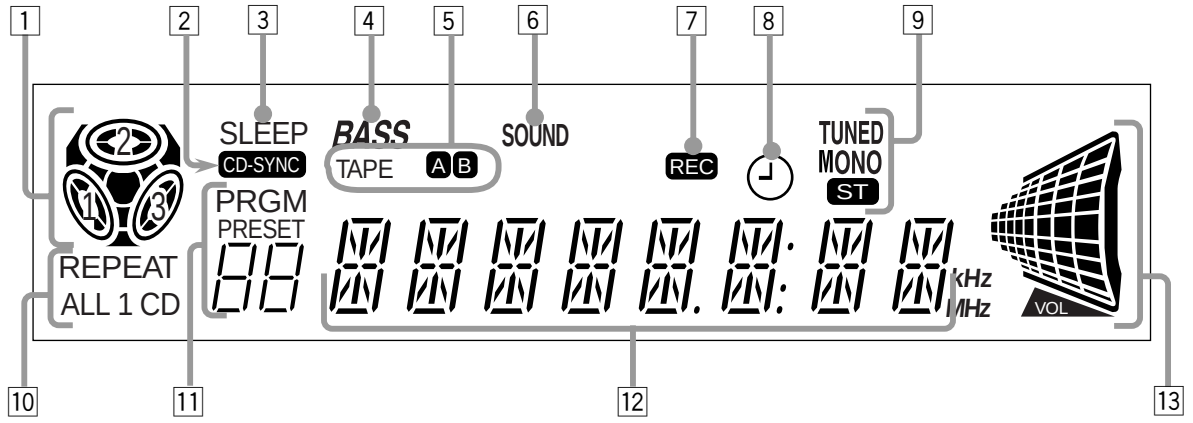
Location of the Buttons and Controls

Become familiar with the buttons and controls on your unit.



Display Window



See pages in the parentheses for details.

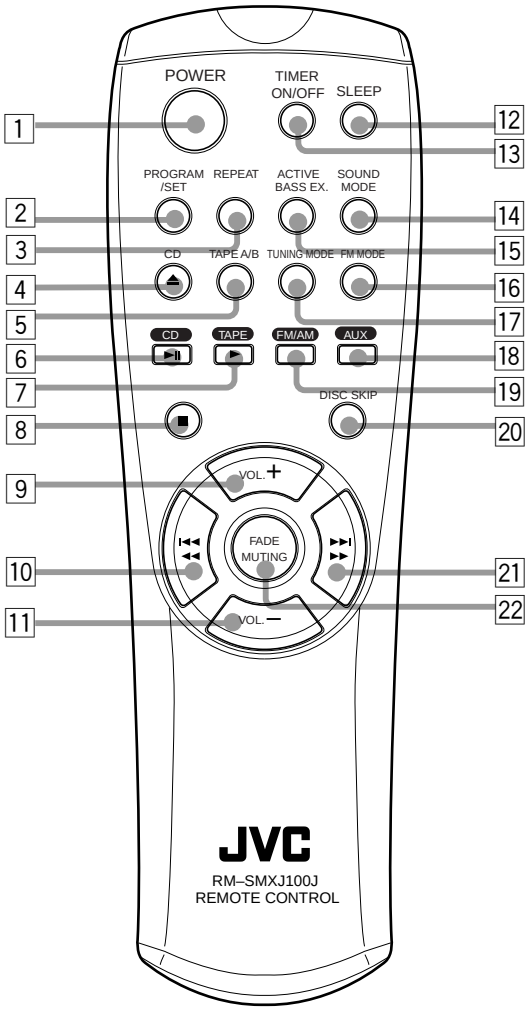
Front Panel

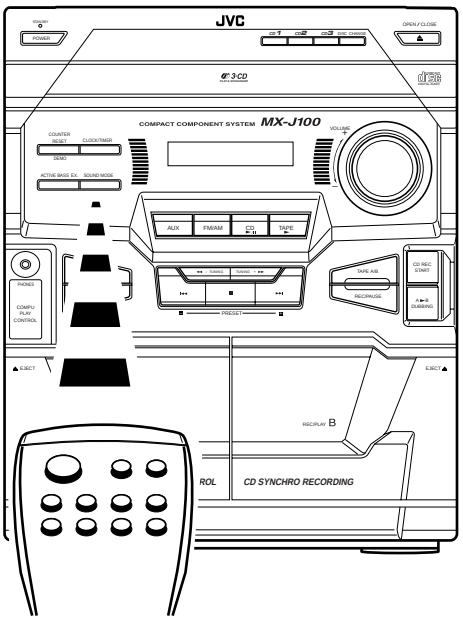
1 Carousel
2 POWER button and STANDBY lamp (9)
3 Display window
4 CLOCK/TIMER button (9, 16)
5 COUNTER RESET button (15)
DEMO button (8)
6 SOUND MODE button (10)
7 ACTIVE BASS EX. (extension) button (10)
8 Remote sensor
9 FM/AM button (11)
Pressing this button also turns on the unit.
10 AUX button (9)
Pressing this button also turns on the unit.
11 PROGRAM/SET button (9, 13, 16)
12 PHONES jack (10)
13 REPEAT button (12)
14 PRESET – button (11)
I◄◄ (reverse search) button (9, 13, 16)
15 ■ (stop) button (12, 15)
16 TUNING + / – buttons (11)
◄◄ / ►► (fast left/fast right) buttons (11, 13, 14)
17 ▲ EJECT button for deck A (14)
18 Deck A cassette holder (14)
19 Disc number buttons (CD 1, CD 2, CD 3) (12)
Pressing one of these buttons also turns on the unit.
20 ▲ OPEN/CLOSE button (12)
Pressing this button also turns on the unit.
21 DISC CHANGE button (12)
22 VOLUME control (10)
23 CD ►/II (play/pause) button (12)
Pressing this button also turns on the unit.
24 TAPE ► button (14)
Pressing this button also turns on the unit.
25 TAPE A/B button (14)
26 CD REC START button (15)
27 A ► B DUBBING button (15)
28 REC/PAUSE button (15)
29 PRESET + button (11)
►►I (forward search) button (9, 13, 16)
30 EJECT ▲ button for deck B (15)
31 Deck B cassette holder (15)

Display window

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

Remote Control





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

Remote Control

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

Getting Started

Continued

Unpacking

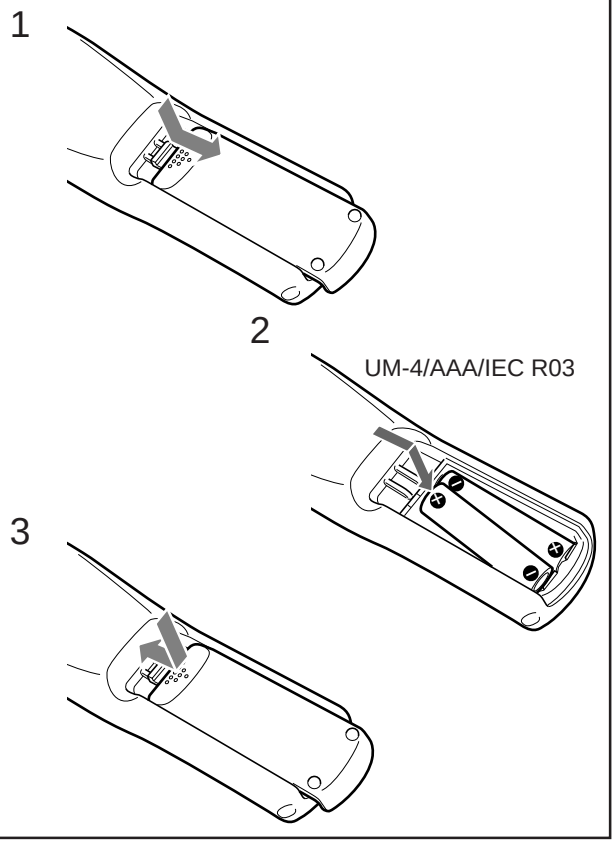
After unpacking, check to be sure that you have all the following items.
The number in the parentheses indicates the quantity of the pieces supplied.

- AM loop antenna (1)
- FM antenna (1)
- Remote control (1)
- Batteries (2)

If any is missing, consult your dealer immediately.

Putting the Batteries into the Remote Control

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

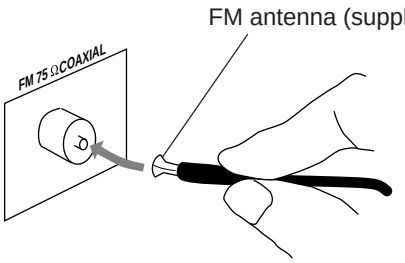


STOP!

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

Connecting Antennas

FM antenna



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

2 **Extend the FM antenna.**

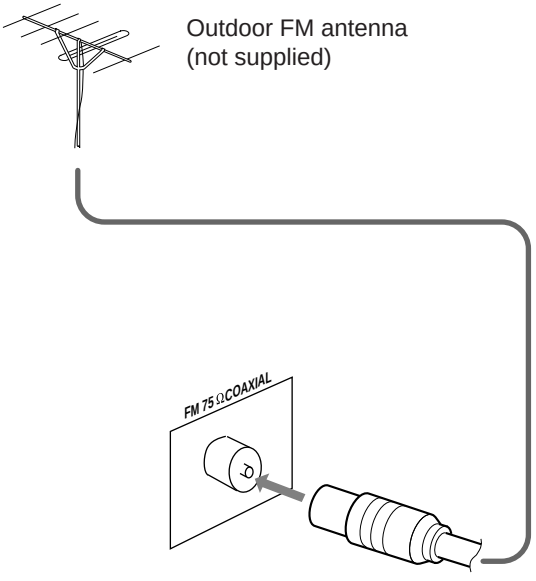
3 **Fasten it up in the position which gives you the best reception, then fix it on the wall, etc.**

notes **About the supplied FM antenna**

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

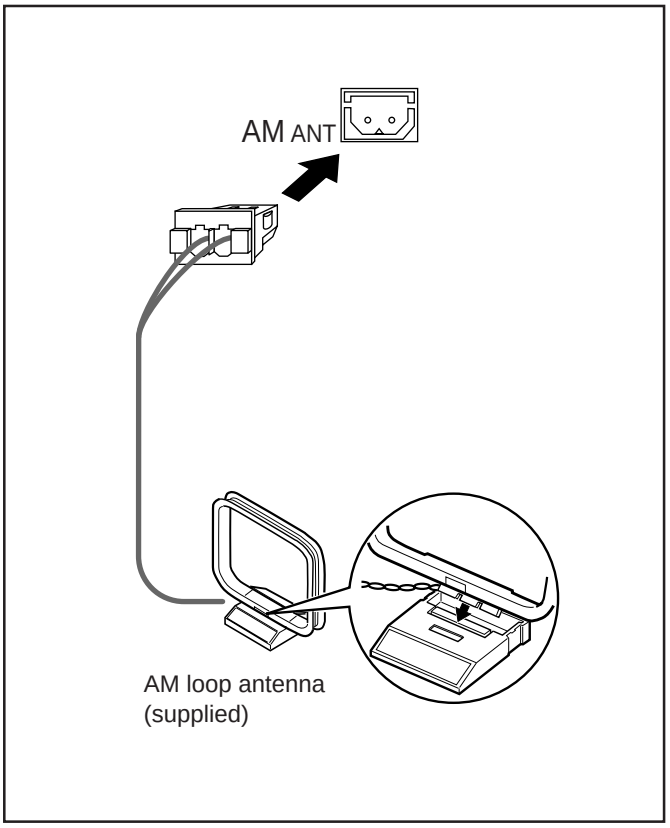
To connect an outdoor FM antenna

Before connecting it, disconnect the supplied FM antenna.



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

AM antenna



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

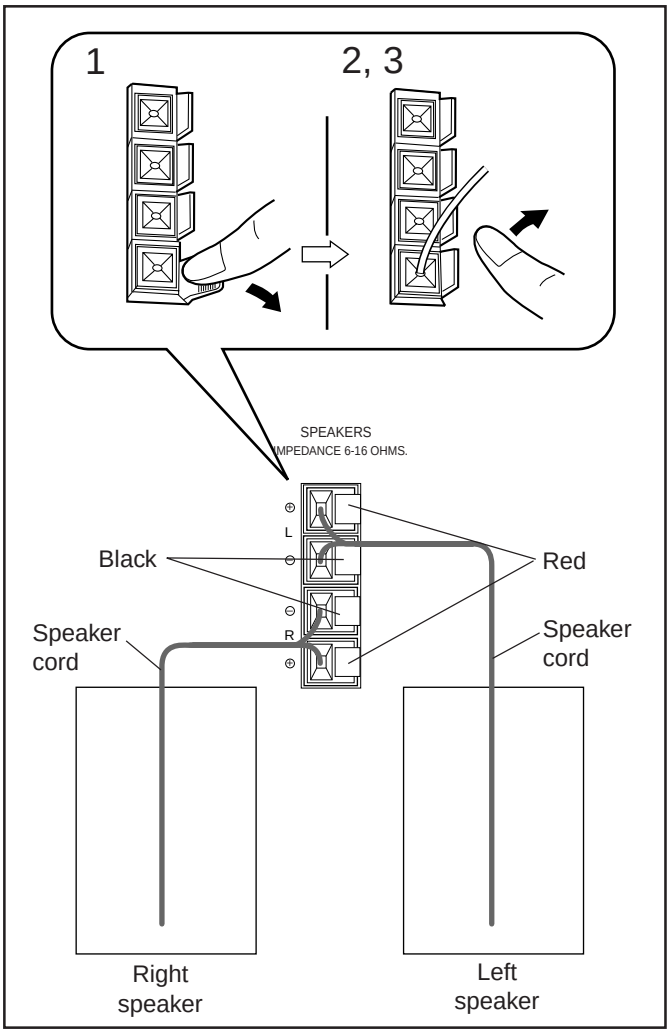
2 **Turn the AM loop antenna until you have the best reception.**

For better reception of both FM and AM

- Make sure the antenna conductors do not touch any other terminals and connecting cords.
- Keep the antennas away from metallic parts of the unit, connecting cords, and the AC power cord.

Connecting Speakers

You can connect a pair of the front speakers.



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

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

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

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

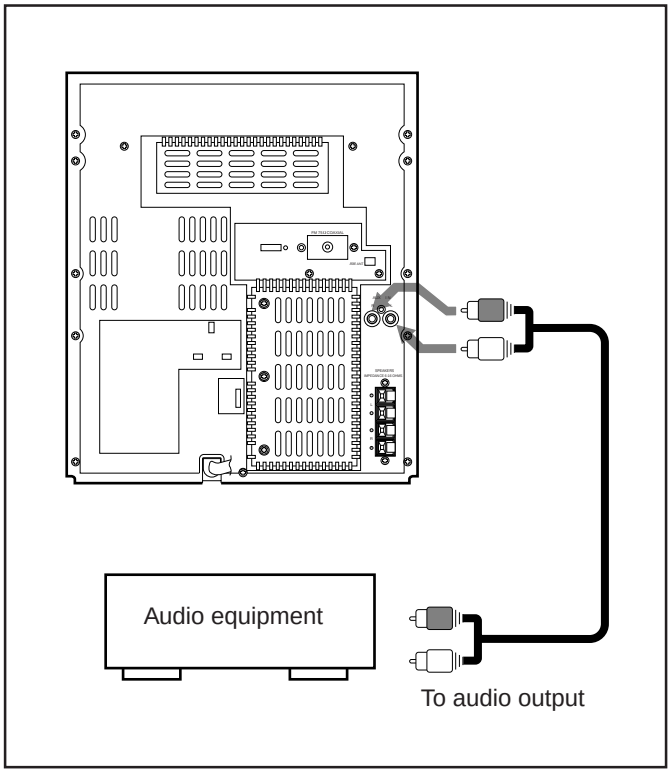
Connecting Other Equipment

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

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

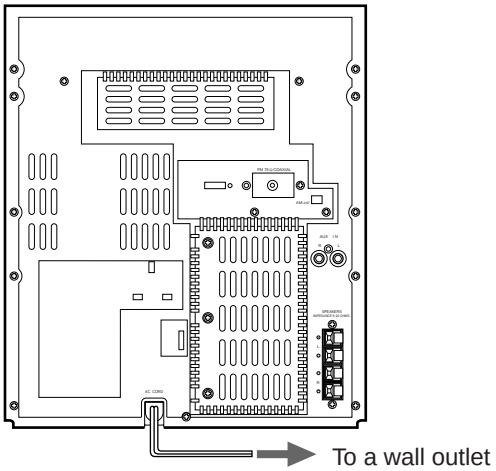
- DO NOT connect any equipment while the power is on.
- DO NOT plug in any equipment until all connections are complete.

To connect audio equipment



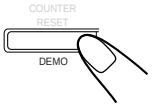
Connect the audio output jacks on the other equipment and the AUX jacks on the rear, using an audio cord (not supplied).

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



To start the display demonstration

Press DEMO while the unit is turned off (on stand by).



To stop the display demonstration, press any button.

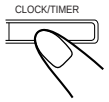
Common Operations

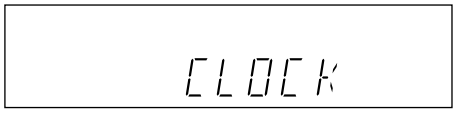
Setting the Clock

Before operating the unit any further, first set the clock built in this unit.

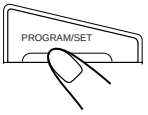
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- If you want to stop clock setting, press CLOCK/TIMER once or wait until the time limit of 15 seconds comes.

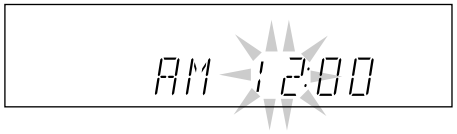
1 Press CLOCK/TIMER twice.
The "CLOCK" appears on the display.



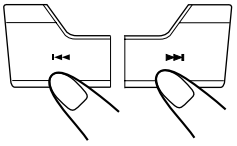


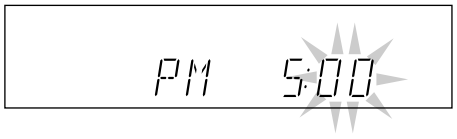
2 Press PROGRAM/SET.
The hour digits start flashing on the display.

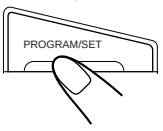




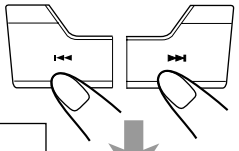
3 Press ⏮ or ⏭ to adjust the hour, then press PROGRAM/SET.
After hour digits are set, the minute digits start flashing on the display.

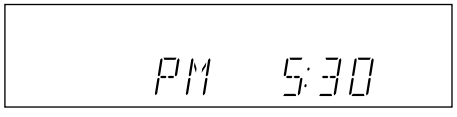


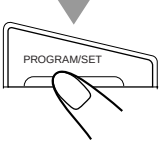




4 Press ⏮ or ⏭ to adjust the minute, then press PROGRAM/SET.



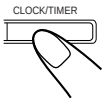




5 Press CLOCK/TIMER twice to finish the clock setting.

To check the clock time

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



To adjust the clock again

If you have adjusted the clock before, you need to press CLOCK/TIMER until the "CLOCK" is selected.

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

Clock time → CLOCK → ◴ TIMER → ◴ REC →

notes

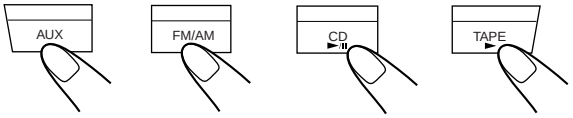
If there is a power failure

The clock loses the setting and is reset to "AM 12:00." You need to set the clock again.

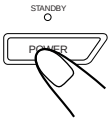
Turning On the Power and Selecting the Sources

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

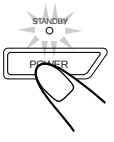
To listen to the FM/AM broadcasts, press FM/AM. (See page 11.)
To play back CDs, press CD ►/II. (See pages 12 – 13.)
To play back tapes, press TAPE ►. (See page 14.)
To select the external equipment as the source, press AUX.

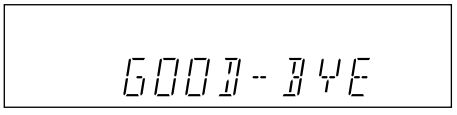


To turn on the unit without playing, press POWER so that the STANDBY lamp goes off.



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





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

notes

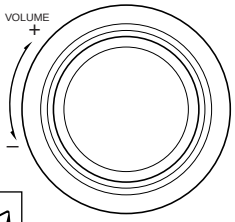
When you unplug the AC power cord or if a power failure occurs

The clock is reset to "AM 12:00" right away, while the tuner preset stations (see page 11) will be erased in a few days.

Adjusting the Volume

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

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



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

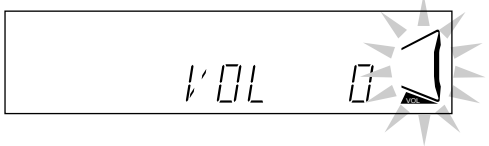
For private listening

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

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

To turn down the volume level temporarily

Press FADE MUTING on the remote control.

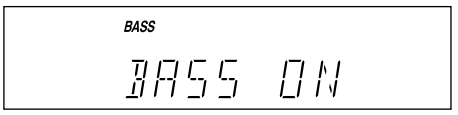


To restore the sound, press the button again.

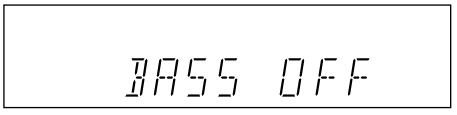
Reinforcing the Bass Sound

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

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



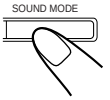
To cancel the effect, press the button again so that the indicator also goes off.

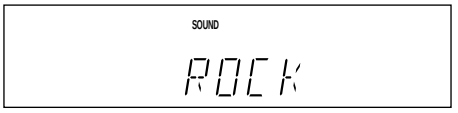


Selecting the Sound Modes

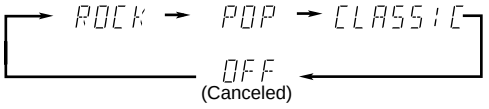
You can select one of the 3 preset sound modes (3 SEA – Sound Effect Amplifier – modes). The sound modes can be applied only to playback sounds, and cannot be used for recording.

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





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



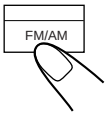
SEA modes:

ROCK: Boosts low and high frequency. Good for acoustic music.
POP: Good for vocal music.
CLASSIC: Good for classical music.
OFF: Cancels the sound mode.

Listening to FM and AM Broadcasts

Tuning in a Station

1 Press FM/AM.



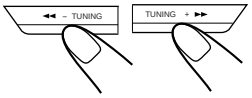
The unit automatically turns on and tunes in the previously tuned station (either FM or AM).

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

2 Select a station.

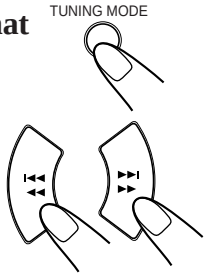
<u>On the unit:</u>

Press and hold TUNING – or TUNING + for more than 1 second.



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

1) **Press TUNING MODE so that "MANUAL" appears on the display.**
2) **Press and hold ⏮/◀◀ or ▶▶⏭/▶▶ for more than 1 second.**



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

To stop during searching, press TUNING – or TUNING + or (⏮/◀◀ or ▶▶⏭/▶▶ on the remote control).

When you press TUNING – or TUNING + (⏮/◀◀ or ▶▶⏭/▶▶ on the remote control) briefly and repeatedly

The frequency changes step by step.

To change the FM reception mode

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

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

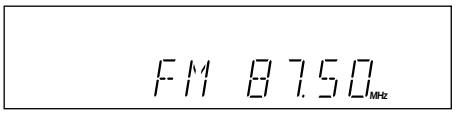
Presetting Stations

You can preset 30 FM and 15 AM stations.
In some cases, test frequencies have been already memorized for the tuner since the factory examined the tuner preset function before shipment. This is not a malfunction. You can preset the stations you want into memory by following the presetting method.

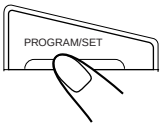
- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.

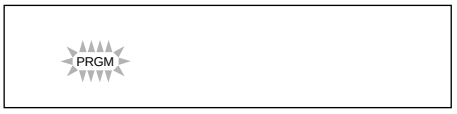
1 Tune in the station you want to preset.

- See "Tuning in a Station" to the left.



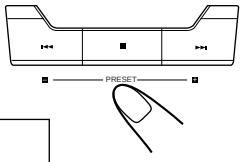
2 Press PROGRAM/SET.



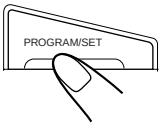


The PRGM flashes on the display.

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



4 Press PROGRAM/SET again.



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

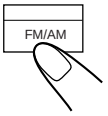
- Storing a new station on a used number erases the previously stored one.

When you unplug the AC power cord or if a power failure occurs

The preset stations will be erased in a few days. If this happens, preset the stations again.

Tuning in a Preset Station

1 Press FM/AM.



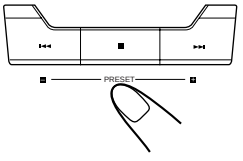
The unit automatically turns on and tunes in the previously tuned station (either FM or AM).

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

2 Select a preset number.

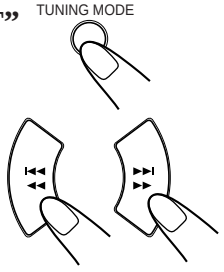
<u>On the unit:</u>

Press PRESET – or +.



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

1) **Press TUNING MODE so that "PRESET" appears on the display.**
2) **Press ⏮/◀◀ or ▶▶⏭/▶▶.**

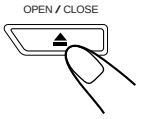


Playing Back CDs

Continued

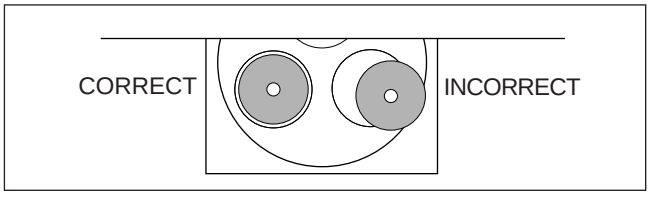
Loading CDs

1 Press ⏏ OPEN/CLOSE on the unit.



The unit automatically turns on and the carousel comes out.

2 Place one or two discs correctly on the front slots of the carousel, with its label side up.

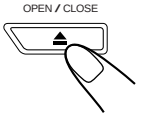


- When using a CD single (8 cm), place it on the inner circle of the disc tray.

3 If you wish to load a third disc, press DISC CHANGE on the unit (or DISC SKIP on the remote control).

The carousel rotates by 120˚.

4 Press ⏏ OPEN/CLOSE again.



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

About the disc indicators

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

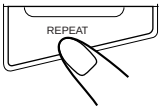
- The disc indicator flashes while the corresponding CD is currently selected.
- The disc indicator goes off when the unit has detected that there is no CD on the corresponding disc tray.

Playing Back CDs

You can play CDs continuously.

1 Load CDs.

2 Press REPEAT on the unit (or REPEAT on the remote control) to select a play mode you want.

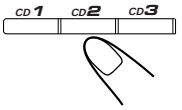


Each time you press the button, play modes change as follows:

ALL CD → 1 CD → REPEAT 1 → REPEAT ALL CD → REPEAT 1CD →

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

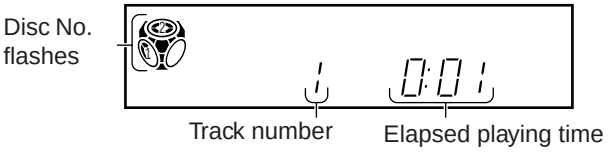
3 Select the disc you want to start play from.



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

<u>On the remote control :</u>
Press DISC SKIP repeatedly.

CD play starts from the first track of the selected disc.

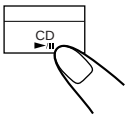


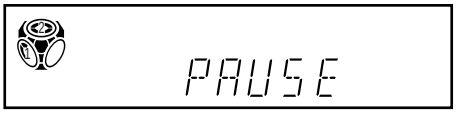
- Pressing CD ►/II instead of the disc number buttons starts playing back if a CD is on the trays.

To stop during play, press ■.

To stop play for a moment

Press CD ►/II.

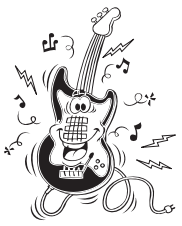




"PAUSE" appears on the display.

To resume play, press CD ►/II again.

To remove the disc, press ⏏ OPEN/CLOSE.



Basic CD Operations

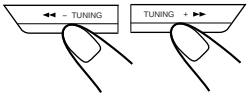
While playing a CD, you can do the following operations.

To exchange CDs during playback of another

Press DISC CHANGE to eject and exchange the CD.

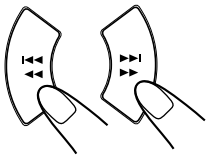
To locate a particular point in a track

During play, press and hold ◄◄ or ►►.



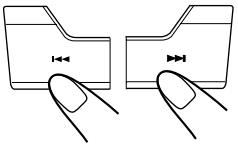
- ◄◄ : Fast reverses the disc.
- ►► : Fast forwards the disc.

When using the remote control, press and hold I◄◄ / ◄◄ or ►►I / ►►.



To go to another track

Press I◄◄ or ►►I repeatedly before or during playback.



- I◄◄: Goes back to the beginning of the current or previous tracks.
- ►►I: Skips to the beginning of the next or succeeding tracks.

When using the remote control, press I◄◄ / ◄◄ or ►►I / ►► before playing.

notes **If you press and hold I◄◄ / ►►I on the unit**

You can change the tracks continuously.

Programming the Playing Order of the Tracks — Program Play

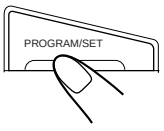
You can arrange the order in which the tracks play before you start playing. **You can program up to 24 tracks**.

- To repeat the program, select "REPEAT ALL CD" by pressing REPEAT repeatedly.

1 Load discs.

- If the current playing source is not the CD player, press CD ►/II, then ■ before going to the next step.

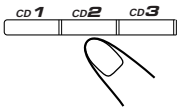
2 Press PROGRAM/SET.



3 Select the disc number.

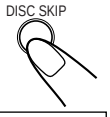
<u>On the unit:</u>

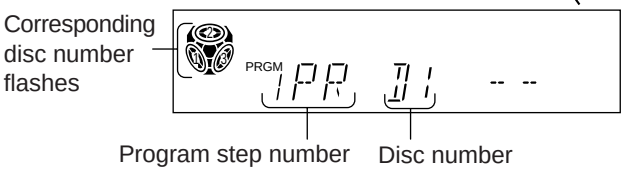
Press one of the disc number buttons (CD 1, CD 2, and CD 3).



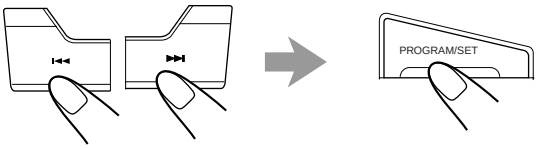
<u>On the remote control:</u>

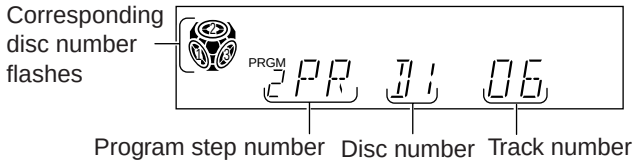
Press DISC SKIP repeatedly.





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





5 Program other tracks you want.

- To program tracks from the same disc, repeat step 4.
- To program tracks from a different disc, repeat steps 3 and 4.

6 Press CD ►/II.

The tracks are played in the order you have programed.

To add more tracks into the program

Press PROGRAM/SET.

You can add the tracks into the program before or after play. If you have already programed all 24 tracks, you cannot add more. If you do, it will overwrite the 1st track and so on.

- You cannot erase or modify the programmed tracks.
- If you want to modify the program, erase all the program and start from the beginning.

To stop during play, press ■.

To erase the entire program before or after play, press ■.

- Ejecting the Carousel will also erase the program.

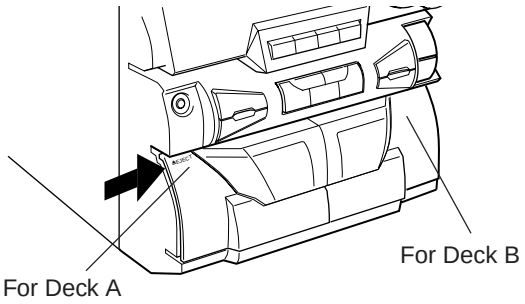
notes **If your entry is ignored**

You have tried to program a track from an empty tray, or a track number that does not exist on the CD (for example, selecting track 14 on a CD that only has 12 tracks). Such entries are ignored.

Playing Back Tapes

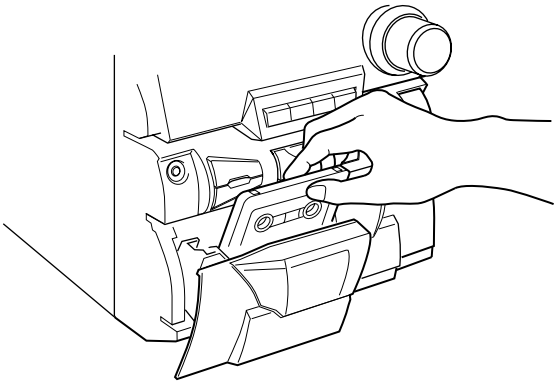
Playing Back a Tape

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



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

• You can play back only type I.

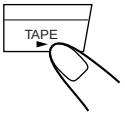


3 Close the cassette holder gently.

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

4 Press TAPE ►.

The tape play starts.



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

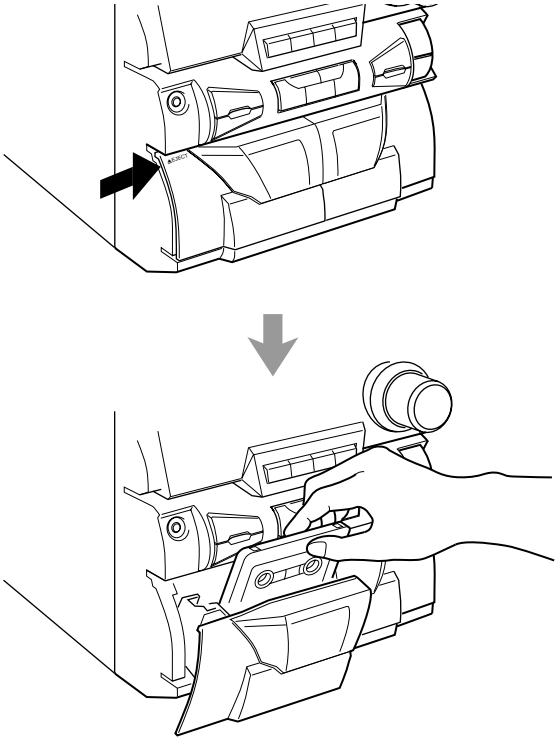
To stop during play, press ■.

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

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

To rewind the tape, press ◄◄ or (I◄◄ / ◄◄ on the remote control).

To remove the cassette, press ⏏ EJECT for deck A or EJECT ⏏ for deck B.



STOP! The use of the C-120 or thinner tape is not recommended, since characteristic deterioration may occur and this tape easily jams in the pinch-rollers and the capstans.

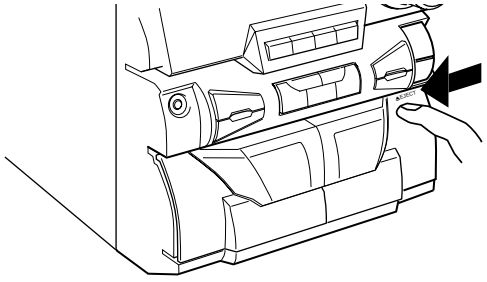
Recording

IMPORTANT:

- **It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable programme and in any literary, dramatic, musical, or artistic embodied therein.**
- The recording level is automatically set correctly, so it is not affected by the VOLUME control. Thus, during recording you can adjust the sound you are actually listening to without affecting the recording level.
- While recording, you can hear tunes with sound modes and/or the active bass extension effect through the speakers or headphones. However, the sound is recorded without these effects (see page 10).
- If the sound recorded have excessive noise or static, the unit may be too close to a TV. Please separate the TV from the unit.
- You can use only type I tape for recording.

Recording Tapes on Deck B

1 Press EJECT ≜ for the deck B.



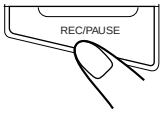
2 Put in a recordable cassette, with the exposed part of the tape down.

3 Close the cassette holder gently.

4 Start playing the source — FM, AM, CD player or auxiliary equipment connected to AUX jacks.

- When the source is CD, you can also use CD Direct Recording.

5 Start recording.
Press REC/PAUSE.



The REC indicator lights up on the display and recording starts.

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

To resume recording, press REC/PAUSE.

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

Resetting the tape counter

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

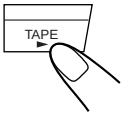
Press COUNTER RESET on the unit to reset the counter.

The counter reading becomes "0000."

- The counter reading also becomes "0000" when the unit is turned off (stands by).

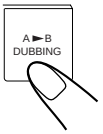
Dubbing Tapes

1 Press TAPE ►, then ■.



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

3 Press A ► B DUBBING.



Dubbing starts.
"DUBBING" and REC indicators light up on the display.

To stop during dubbing, press ■.

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

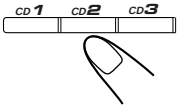
CD Direct Recording

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

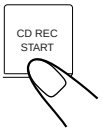
1 Put a recordable cassette into deck B.

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

3 Press one of the disc number buttons (CD 1 to CD 3) to select the disc, then ■.



4 Press CD REC START.



"SYNCHRO" appears, and the CD-SYNC, REC and 1CD indicator light up on the display.
Deck B starts recording and the CD player starts playing. When the recording is done, the CD player and deck B stop.

To stop during CD Direct Recording, press ■.

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

Using the Timers

Continued

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

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

Using Recording and Daily Timer

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

How Recording Timer actually works

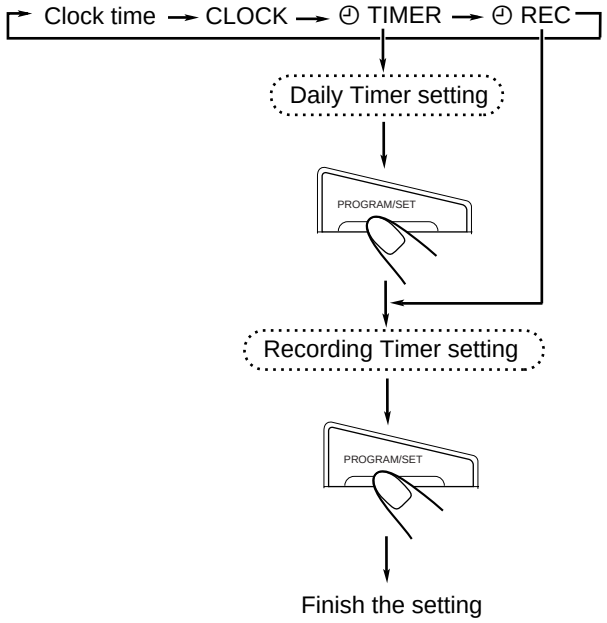
The unit automatically turns on, tunes into the specified station, adjust the volume, and starts recording when the on-time comes . Then, when the off-time comes, the unit automatically turns off (stands by).

Using Daily Timer, you can wake up with your favorite music or radio program.

How Daily Timer actually works

The unit automatically turns on, adjust the volume, and starts playing the specified source when the on-time comes. Then, when the off-time comes, the unit automatically turns off (stands by).

When you want to set the daily timer or the recording timer, press CLOCK/TIMER. Each time you press the button, the timer setting mode changes as follows:



◴ TIMER: Select this when you want to set the Daily Timer.

◴ REC: Select this when you want to set the Recording Timer.

As you can see from the above flow chart, for Recording Timer setting, you can skip the Daily Timer setting.
When you want to change the timer mode, press TIMER ON/OFF on the remote control. (See page 17.)

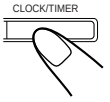
On the unit ONLY:

The condition of the timer setting remains in memory until you change it.

- There is a time limit in doing the following steps. If the setting is canceled before you finish, start from step 1 again.
- If you have made a mistake while setting timer, press CLOCK/TIMER repeatedly and start from step 1 again.
- To cancel the Daily Timer setting anytime during the process, press CLOCK/TIMER twice.
- To cancel the Recording Timer setting anytime during the process, press CLOCK/TIMER once.

The unit enters Daily Timer setting mode.

1 Press CLOCK/TIMER until "◴ TIMER" appears on the display.



The ◴ indicator also starts flashing on the display.

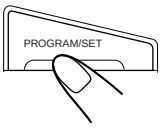
- Each time you press the button, the timer setting mode changes as follows:

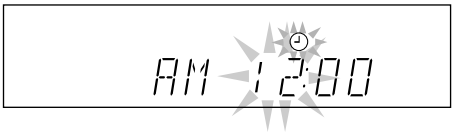
Clock time → CLOCK → ◴ TIMER → ◴ REC

- If you select ◴ REC in step 1, skip step 8.

2 Press PROGRAM/SET.

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

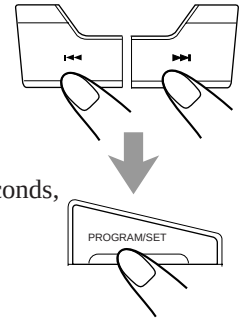




3 Set the on-time you want the unit to turn on.

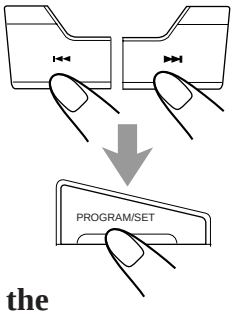
1) Press I◄◄ or ►►I to set the hour, then press PROGRAM/SET.

2) Press I◄◄ or ►►I to set the minute, then press PROGRAM/SET.
"OFF TIME" appears for 2 seconds, then the unit enters off-time setting mode.



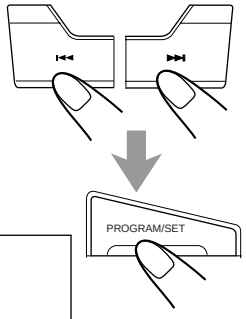
4 Set the off-time you want the unit to turn off (on standby).

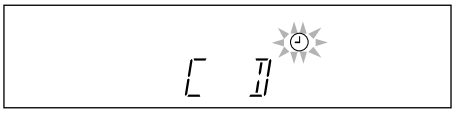
1) Press I◄◄ or ►►I to set the hour, then press PROGRAM/SET.
2) Press I◄◄ or ►►I to set the minute, then press PROGRAM/SET.



5 Set the volume level when the unit is turned on.

The last set volume level appears on the display.
Press I◄◄ or ►►I to set the volume, then press PROGRAM/SET.
The selected source is displayed.





6 Press I◄◄ or ►►I to select the source to play.

• Each time you press I◄◄ or ►►I, the source changes as follows:

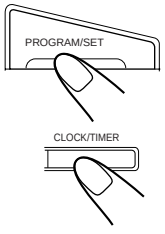
FM ⟷ AM
TAPE ⟷ CD

FM: tunes into a specified preset FM station. → Press I◄◄ or ►►I to select the preset station number.
AM: tunes into a specified preset AM station. → Press I◄◄ or ►►I to select the preset station number.
CD: plays a disc from the 1st track of a selected disc.
• Make sure there is a CD on the selected disc number tray.
TAPE: plays a tape in deck A or B.
• Make sure that a tape is in the deck whose deck indicator (A or B) is lit on the display.

• As for Recording Timer setting, you can select only AM or FM as a source.

7 Press PROGRAM/SET.

Press CLOCK/TIMER to finish the Daily Timer setting.

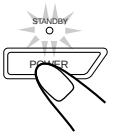


The unit enters Recording Timer setting mode.

8 Repeat from step 2 to step 7 for on-time setting, off-time setting, volume setting and source selecting.

The ◴ indicator remains lit.

9 Press POWER to turn off the unit (on standby) if you have set the Recording or Daily Timer with the unit operating.



notes **When the Recording Timer setting is finished,**
The REC indicator lights up on the display.

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

Press TIMER ON/OFF on the remote control.

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

◴ TIMER → ◴ REC → OFF ← ◴ TIM+REC ←

◴ TIMER: Select this when you want to use only the Daily Timer.
◴ REC: Select this when you want to use only the Recording Timer.
◴TIM+REC: Select this when you want to use both the Daily Timer and the Recording Timer.
OFF: Select this when you want to cancel the timer mode setting.

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

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

Using Sleep Timer

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

How Sleep Timer actually works

The unit automatically turns off after the specified time length passes by.

On the remote control ONLY:

1 Press SLEEP.

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

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

90 MIN → 60 MIN → 45 MIN → 30 MIN → 15 MIN → OFF (Canceled) → 90 MIN

2 Wait for about 5 seconds after specifying the time length.

The SLEEP indicator remains lit.

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

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

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

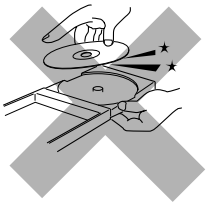
- Sleep Timer is also canceled when you turn off the unit.

Maintenance

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

Handling discs

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

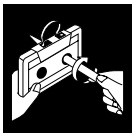


- Be careful not to scratch the surface of the disc when placing it back in its case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.

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

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

Handling cassette tapes



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

- Be careful not to touch the tape surface.

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

To protect your recording

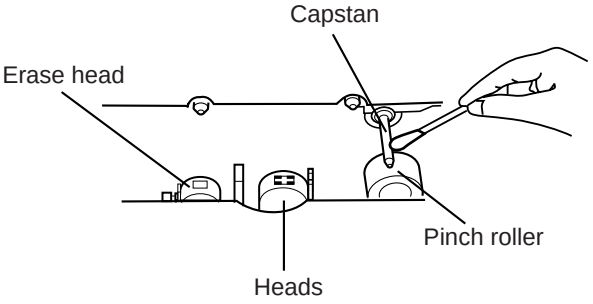
Cassettes have two small tabs on the back to protect unexpected erasure or re-recording.
To protect your recording, remove these tabs.
To re-record on a protected tape, cover the holes with adhesive tape.

Cassette decks

If the heads, capstans, and pinch rollers of the cassette decks become dirty, the following will occur:

- Impaired sound quality
- Discontinuous sound
- Fading
- Incomplete erasure
- Difficulty in recording

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



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

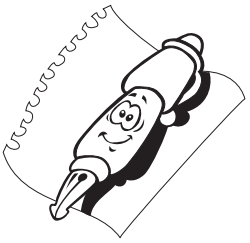
Troubleshooting

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

Symptom	Cause	Action
No sound is heard.	Connections are incorrect or loose.	Check all connections and make corrections. (See pages 6 to 8.)
Hard to listen to broadcasts because of noise.	• Antennas are disconnected. • The AM loop antenna is too close to the unit. • The FM antenna is not properly extended and positioned.	• Reconnect the antennas correctly and securely. • Change the position and direction of the AM loop antenna. • Extend the FM antenna at the best position.
The disc sound is discontinuous.	The disc is scratched or dirty.	Clean or replace the disc. (See page 19.)
The disc tray does not open or close.	The AC power cord is not plugged in.	Plug the AC power cord.
The disc does not play.	The disc is placed upside down.	Place the disc with the label side up.
The cassette holders cannot be opened.	Power supply from the AC power cord has been cut off while the tape was running.	Turn on the unit.
Impossible to record.	Small tabs on the back of the cassette are removed.	Cover the holes with adhesive tape.
Operations are disabled.	The built-in microprocessor may malfunction due to external electrical interference.	Unplug the AC power cord and then plug it back in.
Unable to operate the unit from the remote control unit.	• The path between the remote control unit and the remote sensor on the unit is blocked. • The batteries are exhausted.	• Remove the obstruction. • Replace the batteries.

Specifications

Design and specifications are subject to change without notice.



Amplifier section – CA-MXJ100

Output Power

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

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

Speakers Impedance: 6 Ω – 16 Ω

Tuner

FM tuning range: 87.5 MHz – 108.0 MHz
AM tuning range: 530 kHz – 1,710 kHz

CD player

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

Cassette deck

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

General

Power requirement: AC 120 V ∿, 60 Hz
Power consumption: 55 W (at operation)
13 W (on standby)
Dimensions (approx.): 270 mm x 317 mm x 380 mm (W/H/D)
(10 11/16 in. x 12 1/2 in. x 15 in.)
Mass (approx.): 6.9 kg (15.3 lbs)

Supplied accessories

See page 6.

Speaker section — SP-MXJ100

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

QUALITY JVC SERVICE

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE : 1-800-537-5722
http://www.jvcservice.com

Dear customer:
In order to receive the most satisfaction from your purchase, read the instruction booklet before operating the unit. In the event that repair is necessary, or for the address nearest your location, please refer to the factory service center list below or within the Continental United States, Call 1-800-537-5722 for your authorized servicer. Remember to retain your Bill of Sale for Warranty Service.

—JVC

JVC SERVICE & ENGINEERING COMPANY OF AMERICA

DIVISION OF JVC AMERICAS CORP.

FACTORY SERVICE CENTER LOCATIONS

10 New Maple Avenue
Pine Brook, NJ 07058-9641
(973) 396-1000

1500 Lakes Parkway
Lawrenceville, GA 30243-5857
(770) 339-2582

705 Enterprise Street
Aurora, IL 60504-8149
(630) 851-7855

5665 Corporate Avenue
Cypress, CA 90630-0024
(714) 229-8011

2969 Mapunapuna Place
Honolulu, HI 96819-2040
(808) 833-5828

10700 Hammerly, Suite 110
Houston, TX 77043
(713) 935-9331

13 Cummings Park
Woburn, MA 01801
(781) 376-9100

8192 State Road 84
Davie, FL 33324
(954) 472-1960

890 Dubuque Avenue
South San Francisco, CA 94080-1804
(650) 871-2666

Sophisticated electronic products may require occasional service. Just as quality is a keyword in the engineering and production of the wide array of JVC products, service is the key to maintaining the high level of performance for which JVC is world famous. The JVC service and engineering organization stands behind our products.

NATIONAL HEADQUARTERS
JVC SERVICE & ENGINEERING COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.
1700 Valley Road
Wayne, NJ 07470

If you ship the product • • •

Pack your JVC unit in the original carton or one of equivalent size and strength. Enclose, with the unit, a letter stating the problem or symptom that exists and also a copy of the receipt or bill of sale you received when you purchased your JVC unit. Print your home return address on the outside and the inside of the carton. Send to the appropriate JVC Factory Service Center as listed above.

Don't service it yourself.

CAUTION

To prevent electrical shock, do not open the cabinet. No user serviceable parts inside.
Refer servicing to qualified service personnel.

ACCESSORIES

To purchase accessories for your JVC product, you may contact your local JVC Dealer.
Or from the 48 Continental United States call toll free : 800-882-2345

LIMITED WARRANTY AUDIO-1

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIAL AND WORKMANSHIP from the date of original retail purchase for the period as shown below. ("The Warranty Period.")

PARTS	LABOR
1YR	1YR

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY(50) UNITED STATES, THE DISTRICT OF COLUMBIA AND IN COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:

If this product is found to be defective, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during normal business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of the Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis except for Television sets having a screen size 25 inches and above which are covered on an in-home basis.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Return your product to a JVC authorized service center with a copy of your bill of sale. For your nearest JVC authorized service center, please call toll free: (800)537-5722.
If service is not available locally, box the product carefully, preferably in the original carton, and ship, insured, with a copy of your bill of sale plus and letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location of which will be given to you by the toll-free number.
If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

WHAT IS NOT COVERED:

This limited warranty provided by JVC does not cover:

1. Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model number or serial number has been altered, tampered with, defaced or removed;
2. Initial installation and installation and removal for repair;
3. Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;
4. Damage that occurs in shipment, due to act of God, and cosmetic damage;
5. Signal reception problems and failures due to line power surge;
6. Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus(Needle) are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except the Rechargeable Batteries are covered for 90 days from the date of purchase);

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long an implied warranty last, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

JVC COMPANY OF AMERICA
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1700 Valley Road
Wayne, NJ 07470

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAILS OF REFURBISHED PRO DUCT WARRANTY, PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:

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

Model No.: _____ Serial No.: _____

Purchase date: _____ Name of dealer: _____

JVC

VICTOR COMPANY OF JAPAN, LIMITED