JVC

MICRO COMPONENT SYSTEM

UX-G28—Consists of CA-UXG28 and SP-UXG28

MP3/WMA

INSTRUCTIONS

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

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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.
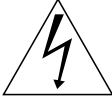
ATTENTION
RISQUE D'ÉLECTROCUTION
NE PAS OUVRIR

ATTENTION: POUR ÉVITER TOUT RISQUE D'ÉLECTROCUTION, NE PAS OUVRIR LE BOÎTIER. AUCUNE PIÈCE INTÉRIEURE N'EST À RÉGLER PAR L'UTILISATEUR. SE RÉFÉRER À UN AGENT QUALIFIÉ EN CAS DE PROBLÈME.

Le symbole de l'éclair à l'intérieur d'un triangle équilatéral est destiné à alerter l'utilisateur sur la présence d'une "tension dangereuse" non isolée dans le boîtier du produit. Cette tension est suffisante pour provoquer l'électrocution de personnes.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est destiné à alerter l'utilisateur sur la présence d'opérations d'entretien importantes au sujet desquelles des renseignements se trouvent dans le manuel d'instructions.

Class II equipment symbol ☐
This symbol indicates that the unit has a double insulation system

Symbole d'un équipement de Catégorie II ☐
Ce symbole indique que l'appareil a un système à double isolation.

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.

CAUTION
Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

Note to CATV system installer:
This reminder is provided to call the CATV system installer's attention to section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

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.

Some of the model information is located on the bottom.

Sur certains modèles, l'information les concernant est située à la partie inférieure.

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

AVERTISSEMENT: POUR DIMINUER LE RISQUE D'UN INCENDIE OU D'UNE SECOUSSE ELECTRIQUE, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU A DE L'HUMIDITE.

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'eviter tout risque d'electrocution, 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 a la pluie ni a l'humidité.

CAUTION:
Excessive sound pressure from earphones or headphones can cause hearing loss.

ATTENTION:
Une pression acoustique excessive des écouteurs ou du casque d'écoute peut entraîner une perte auditive.

CAUTION — ⏻/I button !
Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off). When installing the apparatus, ensure that the plug is easily accessible. The ⏻/I button in any position does not disconnect the mains line.
- When the system is on standby, the STANDBY lamp lights red.
- When the system is turned on, the STANDBY lamp goes off.
  The power can be remote controlled.

ATTENTION — Touche ⏻/I !
Déconnectez la fiche de secteur pour mettre l'appareil complètement hors tension (le témoin STANDBY I s'éteint). Lors de l'installation de l'appareil, assurez-vous que la fiche soit facilement accessible. La touche ⏻/I, dans n'importe quelle position, ne déconnecte pas le systéme du secteur.
- Quand le systéme est en attente, le témoin STANDBY est allumé en rouge.
- Quand le systéme est sous tension, le témoin STANDBY s'éteint.
  L'alimentation peut être télécommandée.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT

2. **CAUTION:** Do not open the top cover or cabinet. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.

3. **CAUTION:** (For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam. (For Canada) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.

4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

5. **CAUTION:** Use of any controls, adjustments, or procedures other than those specified herein may result in hazardous exposure.

IMPORTANT POUR PRODUITS LASER

1. PRODUIT LASER CLASSE 1

2. **ATTENTION:** N'ouvrez pas le couvercle supérieur ni le coffret de l'appareil. Il n'y a aucune pièce réparable par l'utilisateur à l'intérieur de l'appareil; confiez toute réparation à un personnel qualifié.

3. **ATTENTION:** (Pour les Etats-Unis) Radiation laser de classe II visibles et/ou invisible si l'appareil est ouvert. Ne regardez pas le rayon. (Pour le Canada) Rayonnement laser visible et/ ou invisible de classe 1M une fois ouvert. Ne pas regarder directement avec des instruments optiques.

4. REPRODUCTION DE L'ÉTIQUETTE: ÉTIQUETTE DE PRÉCAUTION PLACÉE À L'INTERIEUR DE L'APPAREIL.

5. **ATTENTION:** L'utilisation de n'importe quelles commandes, mises au point ou procédures autres que celles spécifiées ici risque de provoquer une exposition dangereuse.

CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視及び/または不可視のクラス1Mレーザー放射が出ます。光学装置で直接見ないでください。(JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44603-003A

[European Union only]
[Union européenne seulement]

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.

ATTENTION
- Ne bloquez pas les orifices ou les trous de ventilation. (Si les orifices ou les trous de ventilation sont bloqués par un journal un tissu, etc., la chaleur pent ne pas être évacuée correctement de l'appareil.)
- Ne placez aucune source de flamme nue, telle qu'une bougie, sur l'appareil.
- Lors de la mise au rebut des piles, veuillez prendre en considération les problèmes de l'environnement et suivre strictement les règles et les lois locales sur la mise au rebut des piles.
- N'exposez pas cet appareil à la pluie, à l'humidité, à un égouttement ou à des éclaboussures et ne placez pas des objets remplis de liquide, tels qu'un vase, sur l'appareil.

Caution: Proper Ventilation
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
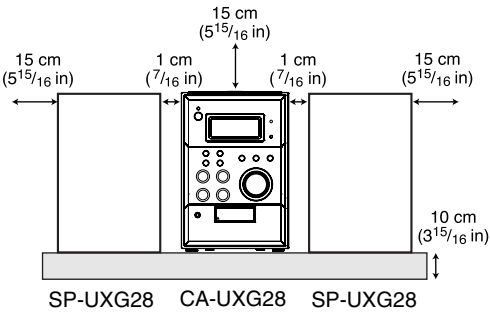1. Front: No obstructions and open spacing.
2. Sides/ Top/ Back: No obstructions should be placed in the areas shown by the dimensions below.
3. Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm (3-$^{15}/_{16}$") or more.
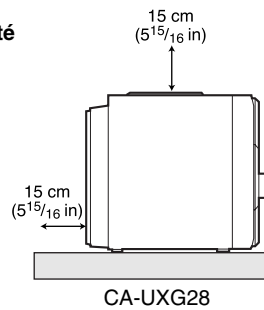
Attention: Aération correcte
Pour prévenir tout risque de décharge électrique ou d'incendie et éviter toute détérioration, installez l'appareil de la manière suivante:
1. Avant: Bien dégagé de tout objet.
2. Côtés/dessus/dessous: Assurez-vous que rien ne bloque les espaces indiqués sur le schéma ci-dessous.
3. Dessous: Posez l'appareil sur une surface plane et horizontale. Veillez à ce que sa ventilation correcte puisse se faire en le plaçant sur un support d'au moins dix centimètres de hauteur.

Front view
Vue avant

15 cm ($5^{15}/_{16}$ in)

15 cm ($5^{15}/_{16}$ in)   1 cm ($^{7}/_{16}$ in)   1 cm ($^{7}/_{16}$ in)   15 cm ($5^{15}/_{16}$ in)

10 cm ($3^{15}/_{16}$ in)

SP-UXG28   CA-UXG28   SP-UXG28

Side view
Vue de côté

15 cm ($5^{15}/_{16}$ in)

15 cm ($5^{15}/_{16}$ in)

CA-UXG28

Contents

1

Introduction

Thank you for purchasing a JVC product.
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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 System in a location with adequate ventilation to prevent internal heat buildup inside the System.

> **STOP!** DO NOT install the System in a location near heat sources, or in a place subject to direct sunlight, excessive dust or vibration.

• Leave sufficient distance between the System and the TV.
• Keep the speakers away from the TV to avoid interference with TV.

Power sources

• When unplugging the System from the wall outlet, always pull on 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 lenses inside the System in the following cases:
• After starting to heat the room
• In a damp room
• If the System is brought directly from a cold to a warm place

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

> **STOP!** **For safety, observe the following carefully:**
> • Make sure there is good ventilation around the main unit. Poor ventilation could overheat and damage the System.
> • DO NOT block the ventilation openings or holes. If they are blocked by a newspaper or cloth, etc., the heat may not be able to get out.

Others

• Should any metallic object or liquid fall into the System, unplug the AC power cord and consult your dealer before operating any further.

> **STOP!** DO NOT disassemble the System since there are no user serviceable parts inside.

• If you are not going to operate the System for an extended period of time, unplug the AC power cord from the wall outlet.
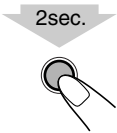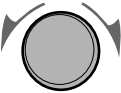
If anything goes wrong, unplug the AC power cord and consult your dealer.
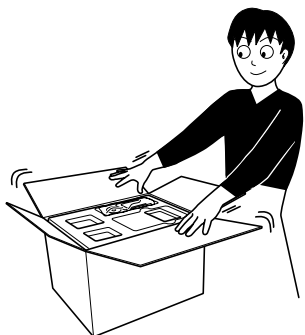
How to Read This Manual ● ● ● ● ● ●

To make this manual as simple and easy-to-understand as possible, we have adapted the following methods:

- Button and control operations are explained as listed in the table below. In this manual, the operations using the remote control is mainly explained; however, you can use the buttons and controls on the main unit if they have the same (or similar) name and marks.
- **Some related tips and notes are explained later in the sections "Learning More about This System" and "Troubleshooting" , but not in the same section explaining the operations.** If you want to know more about the functions, or if you have a doubt about the functions, go to these sections and you will find the answers.

	Indicates that you press the button **briefly**.
	Indicates that you press the button **briefly and repeatedly** until an option you want is selected.
	Indicates that you press one of the buttons.
2sec.	Indicates that you **press and hold** the button for specified seconds. • The number inside the arrow indicates the period of press (in this example, 2 seconds). • If no number is inside the arrow, press and hold until the entire procedure is complete or until you get a result you want.
	• Indicates that you turn the control toward the specified direction(s).

Remote ONLY	Indicates that this operation is only possible using the remote control.
Main Unit ONLY	Indicates that this operation is only possible using the buttons and controls on the main unit.

3

Getting Started

Step 1: Unpack the package and check the accessories.

Step 2: Prepare the remote control.

Step 3: Hook up the components such as AM/FM antennas, speakers, etc. (see pages 5 to 6).

ANTENNA
AM LOOP
AM EXT

FM COAXL 75Ω

Finally plug the AC power cord.

Now you can operate the System.

Step 1: Unpack ● ● ● ● ● ● ● ● ● ●

After unpacking, check to be sure that you have all the following items. The number in parentheses indicates the quantity of each piece supplied.
• FM antenna (1)
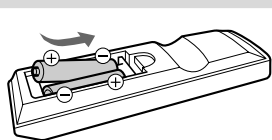• AM loop antenna (1)
• Remote control (1)
• Batteries (2)
If any item is missing, consult your dealer immediately.

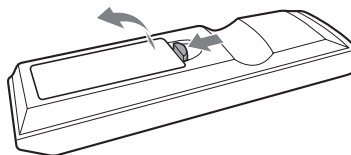## Step 2: Prepare the Remote Control ● ● ●

Insert the batteries into the remote control by matching the polarity (+ and –) correctly.
• If the range or effectiveness of the remote control decreases, replace both batteries.
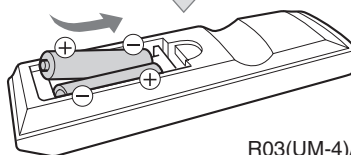

1

2

R03(UM-4)/AAA(24F)

3

Caution
Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

Step *3*: Hook Up ●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●●

If you need more detailed information, see page 6

Illustrations of the input/output terminals below are typical examples.
When you connect Digital Audio Player, etc., refer also to their manuals since the terminal names actually printed on the rear may vary.

Turn the power off to all components before connections.

FM antenna (supplied)

Extend it so that you can obtain the best reception.

AM loop antenna (supplied)
Turn it until the best reception is obtained.

Red

Black

To a wall outlet
Plug the AC power cord only after all connections are complete.

5
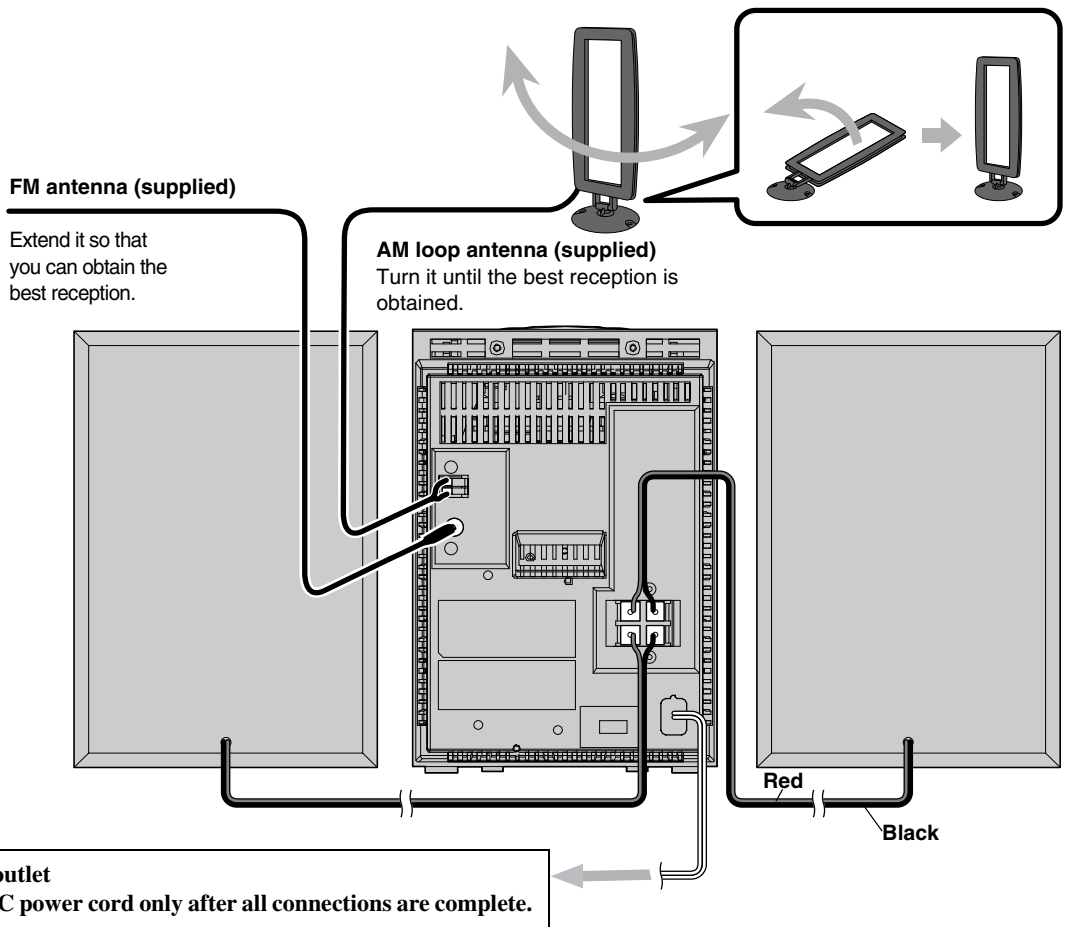
To connect the AM loop antenna
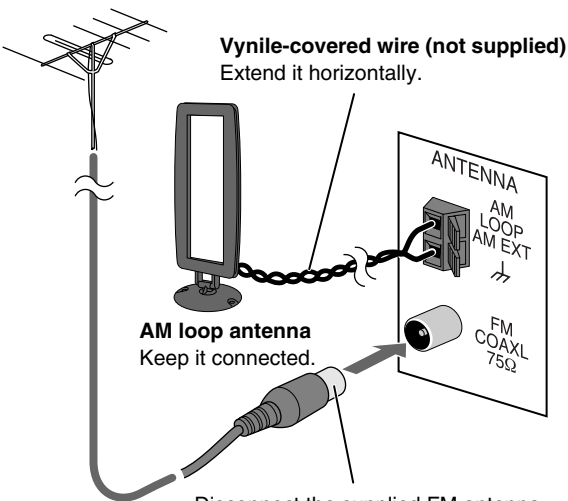
Make sure to connect the wire correctly.

① Hold ③ Release

② Insert
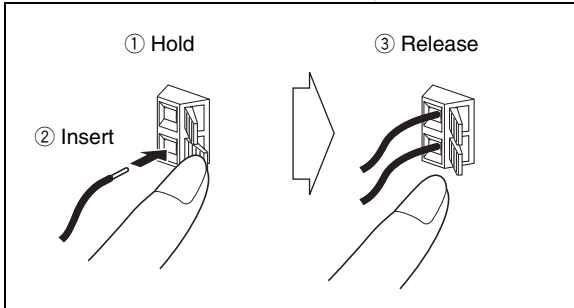
For better FM/AM reception

**Outdoor FM
antenna
(not supplied)**

Vynile-covered wire (not supplied)
Extend it horizontally.

ANTENNA

AM
LOOP
AM EXT

FM
COAXL
75Ω

AM loop antenna
Keep it connected.

Disconnect the supplied FM antenna,
and connect to an outdoor FM antenna
using a 75 Ω wire with coaxial type
connector (IEC or DIN45325).

• Make sure the antenna conductors do not touch any other
terminals, connecting cords and power cord. Also, keep the
antennas away from metallic parts of the System,
connecting cords, and the AC power cord. This could cause
poor reception.

To connect the speaker cords

Make sure the both speakers are connected correctly and
firmly.

① Unlock ③ Lock

② Insert
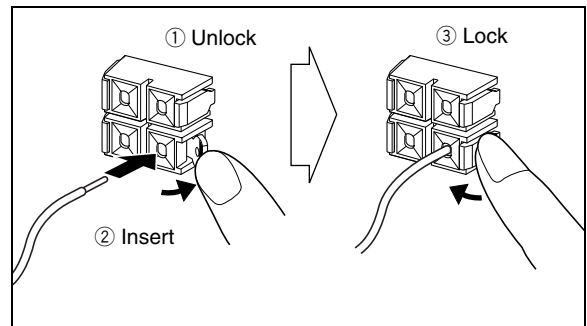
When connecting the speaker cords, match the polarity of
the speaker terminals: The black cord to (-), the red cord to
(+).

⚠ STOP!
• DO NOT connect more than one speaker to
each terminal.
• DO NOT allow the conductor of the speaker
cords to be in touch with the metallic parts of
the System.

📖 *memo*

• If the AM loop antenna wire or speaker cords are covered
with vinyl, remove the vinyl to expose the tip of the
antenna wire or speaker cords by twisting the vinyl.

6

Before Operating the System

The indications on the display teach you a lot of things while you are operating the System.
Before operating the System, be familiar with when and how the indicator illuminates on the display.

Indications on the main display

• While listening to radio:

Band   Frequency

• While selecting AUX:

Source name

• While playing a CD:

Track number   Elapsed playing time

• While playing an MP3:

Track number in current group   Elapsed playing time

• While selecting USB MEMORY:

Current track number   Elapsed playing time

• While disc play is stopped:

CD:

Total track number   Total playing time

MP3/WMA:

Total group number   Total track number

1 REPEAT mode indicator
  • Lights when Repeat Play mode is activated.
2 TRACK indicator
  • Audio disc : Lights during playback and stop.
  • MP3/WMA disc : Lights during playback.
3 GROUP indicator
  • MP3/WMA disc : Lights during stop.
4 MP3/WMA indicator
  • Lights when MP3/WMA disc (file) is detected.
5 RANDOM indicator
  • Lights when Random Play mode is activated.
6 CD indicator
  • Lights when Audio disc is detected.
7 II► indicator
  • ►: Lights when disc or USB is playing.
  • II: Lights when disc or USB is paused.
8 PROG. (Program) indicator
  • Lights when Program Play mode is activated.
9 USB indicator
  • Flashes when USB mass storage class device is activated.
10 SLEEP indicator
  • Lights when the Sleep Timer is activated.
11 HBS indicator
  • Lights when HBS (Hyper Bass Sound) mode is activated. (see page 12)
12 SOUND MODE indicator
  • Lights the selected sound mode. (see page 12)
13 FM reception indicator
  • MONO: Lights while the FM monaural mode is activated.
  • ST: Lights while FM stereo station with sufficient signal strength is tuned in.
14 Frequency indicators
  • Lights when frequency is detected.
15 TIMER indicator
  • ⊕ : Lights when Daily Timer stands by; flashes while working.

Daily Operations—Playback
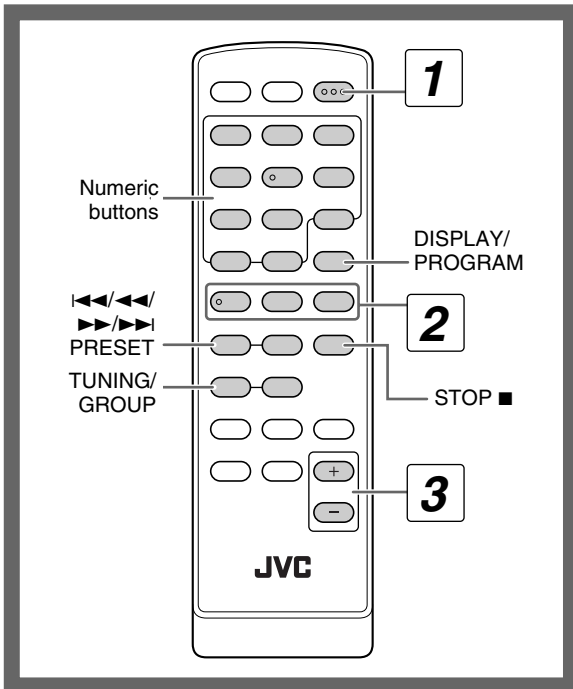
1. **Turn on the power.**
   The STANDBY lamp on the main unit turns off.
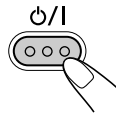
2. **Select the source.**
   Playback automatically starts if the selected source is ready to start.
   • If you press AUX, start playback source on the external component.

3. **Adjust the volume.**

4. **Operate the target source as explained later.**
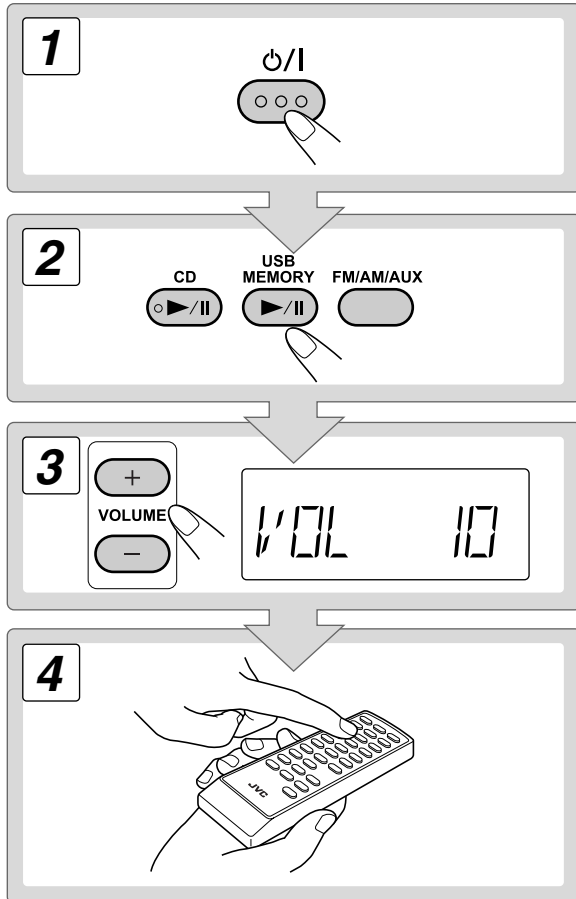
To turn off (standby) the System

The STANDBY lamp on the main unit lights up.
• A small amount of power is always consumed even while on standby.

For private listening
Connect a pair of headphones to the PHONES jack on the main unit. The sound will no longer come out of the speakers. Be sure to turn down the volume before connecting or putting the headphones.
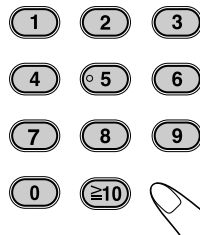• Disconnecting the headphones will activate the speakers again.

DO NOT turn off (stand by) the System 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 System or start playback.

How to Select Numbers

Examples:
• **Within 99 songs**
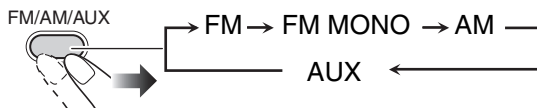15: $\geqq 10 \rightarrow 1 \rightarrow 5$
• **More than 100 songs in Current Group.**
15: $\geqq 10 \rightarrow 0 \rightarrow 1 \rightarrow 5$
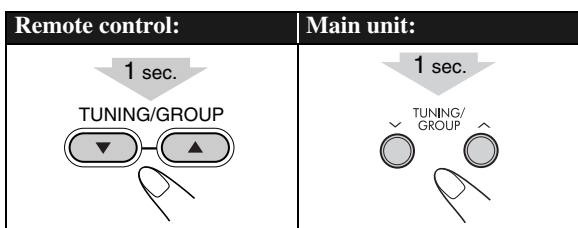150: $\geqq 10 \rightarrow 1 \rightarrow 5 \rightarrow 0$

Listening to the Radio ● ● ● ● ● ● ●

To select the band (FM or AM)

FM/AM/AUX

→ FM → FM MONO → AM → AUX ←

You can also carry out the same operation using the FM/AM/AUX on the System.

To tune in to a station

While FM or AM is selected...

| Remote control:	Main unit:
1 sec.	1 sec.
TUNING/GROUP ▼ ▲	TUNING/GROUP ˅ ˄

Frequency starts changing on the display.

When a station (frequency) with sufficient signal strength is tuned in, the frequency stops changing.

• When you repeatedly press the button, the frequency changes step by step.

To stop searching manually, press either button.

If the received FM station is hard to listen
Select "FM MONO"

FM/AM/AUX
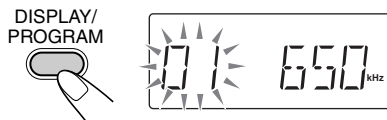
→ FM → FM MONO → AM → AUX ←
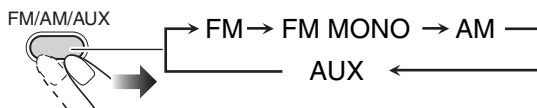
FM MONO: Reception will improve though stereo effect is lost. MONO indicator lights up.

To preset the stations

You can preset 20 FM and 10 AM stations.

1 Tune in to a station you want to preset.

2 Activate the preset number entry mode.

DISPLAY/PROGRAM

`01  650 kHz`

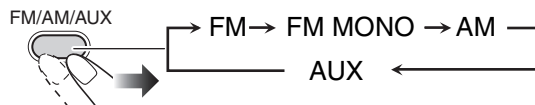• Finish the following process while the indication on the display is flashing.

3 Select a preset number for the station you store.
• How to Select Numbers, see page 8.
• You can also use the |◄◄/►►| buttons.

4 Store the station.

DISPLAY/PROGRAM
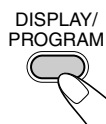
To tune in to a preset station

1 Select a band (FM or AM).

FM/AM/AUX

→ FM → FM MONO → AM → AUX ←

2 Select a number of the preset station you stored.
How to Select Numbers, see page 8.
You can also use the |◄◄/►►| .

9

Playable media and files

This system can playback following types of media and files.

Media	Audio CD, CD-R/RW, USB mass storage class device
File format	MP3, WMA

Audio CD	CD-R	CD-RW
COMPACT disc DIGITAL AUDIO	COMPACT disc DIGITAL AUDIO Recordable	COMPACT disc DIGITAL AUDIO ReWritable

- This system may not playback some files even though their formats are listed above.
- Caution for DualDisc playback
  The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.
- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Playing Back a Disc ● ● ● ● ● ● ● ●

To insert a disc

Main Unit ONLY

You can insert discs while playing another source.

To start:	To pause:	To stop:
CD ▶/❙❙	CD ▶/❙❙	STOP ■
	To release, press again.	

Playing Back from the USB mass storage class device

This System is equipped with a USB MEMORY terminal on the front panel. You can connect a USB mass storage class device such as a USB flash memory device, Digital Audio Player (DAP) to this System. This System cannot recognize a USB mass storage class device whose rating exceeds 5V/500mA.
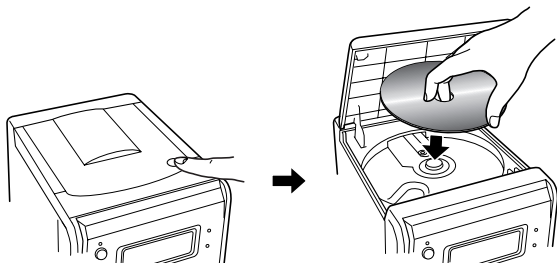
IMPORTANT
- You cannot send any data to your USB mass storage class device from this System.
- You cannot connect a computer to the USB MEMORY terminal of the system.
- Always set volume to "VOL MIN" when connecting or disconnecting the other equipment.
- Connect the USB mass stotrage class device directly to the system. Using a USB hub may result in malfunction.
- Coded or encrypted tracks in a special method cannot be played on the unit.
- The USB mass storage device's battery is charged while the System is turned on.

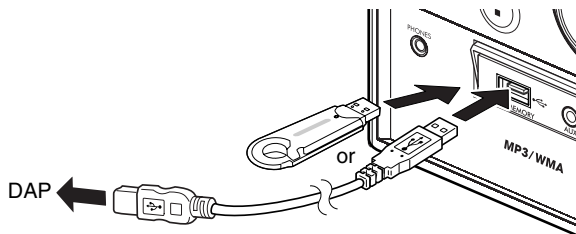## To connect the USB mass storage class device

When connecting a USB mass storage class device, refer also to its manual.

- When disconnecting the USB mass storage class device, make sure that the System is in the stop condition.

To play back sounds on the USB mass storage class device

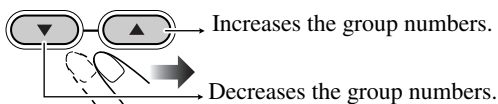| To start:	To pause:	To stop:
USB MEMORY ▶/❙❙	USB MEMORY ▶/❙❙	STOP ■

- The USB indicator on the display lights while USB MEMORY is selected.
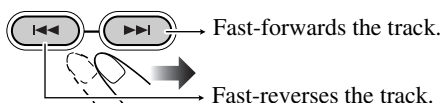
To select a track/group

To select a track:

Increases the track numbers.

Decreases the track numbers.
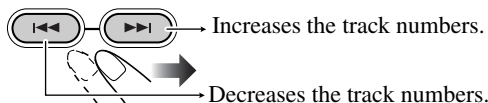
To select a group (MP3/WMA disc, USB device only):

Increases the group numbers.

Decreases the group numbers.

To locate a particular portion

While playing a disc, press and hold until the portion you want is reached.

Fast-forwards the track.

Fast-reverses the track.

To locate a track directly and start play

Remote ONLY

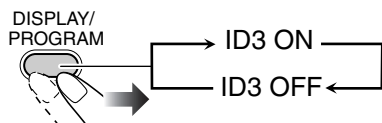How to Select Numbers, see page 8.

memo

• When you play MP3/WMA disc, USB mass storage class device, the selectable tracks by using numeric keys are limited to a current group.

To display ID3 tag

Press DISPLAY/PROGRAM while playing MP3/WMA disc.

ID3 ON
ID3 OFF

When "ID3 ON" is set, ID3 tag is displayed after the source is indicated.

Playing Back Other Equipment ●●●●

To connect other equipment

By using a stereo mini plug cord (not supplied), you can connect equipment with analog audio output jacks such as a Digital Audio Player, or a TV, etc.

Stereo mini plug cord (not supplied)

AUX
(front panel)

Portable audio device, Game machine, etc.
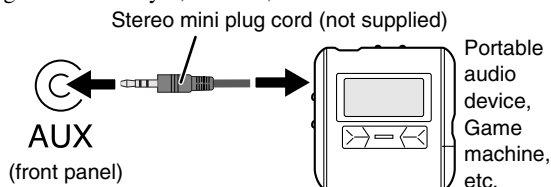
If the audio output on the other equipment is not stereo mini plug type,
Use a plug adapter to convert the stereo mini plug to the corresponding plug of the audio output.
Refer to the manuals supplied with the other equipment.

IMPORTANT
• Always set volume to "VOL MIN" when connecting or disconnecting the other equipment.

To select AUX

FM/AM/AUX

11

Daily Operations—Sound & Other Adjustments
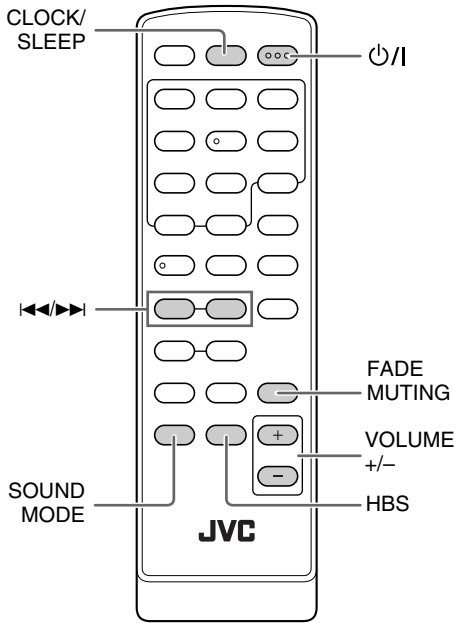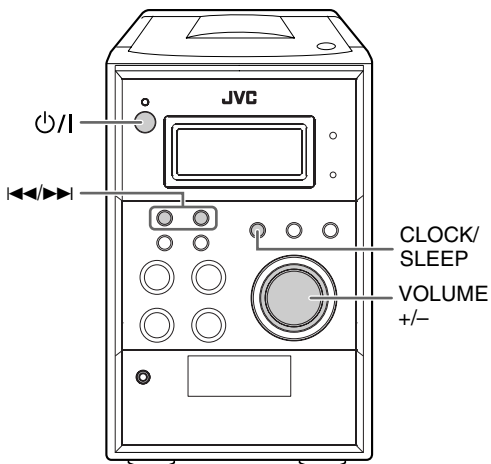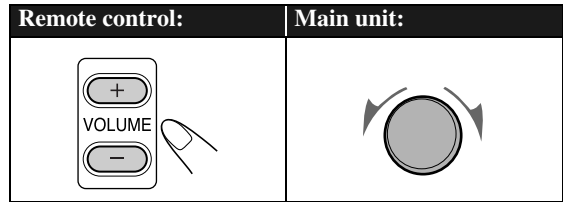
Remote control

CLOCK/
SLEEP

⏻/❘

◄◄/►►

FADE
MUTING

VOLUME
+/−

SOUND
MODE

HBS

JVC

Main unit

⏻/❘

◄◄/►►

CLOCK/
SLEEP

VOLUME
+/−

JVC

Adjusting the Volume ●●●●●●●

You can adjust the volume level from level 0 (VOL MIN) to level 31 (VOL MAX).

Remote control:	Main unit:
+ VOLUME −	

To drop the volume in a moment `Remote ONLY` 》)

FADE
MUTING

To restore the volume, press again, or adjust the volume level.

Adjusting the Sound `Remote ONLY` 》) ●●●●

To reinforce the bass sound
—HBS

You can enjoy powerful bass sound with the Hyper-Bass Sound effect.

HBS

→ HBS →
Canceled ←
(No indication)
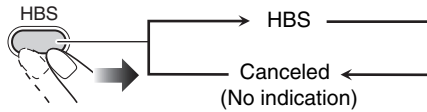
Sound Mode

You can select one of 4 SEA (Sound Effect Amplifier) modes. You can use this effect only for playback.

SOUND MODE

→ ROCK → POP → CLASSIC ─
─ JAZZ ← No indication ←
(No sound effect)
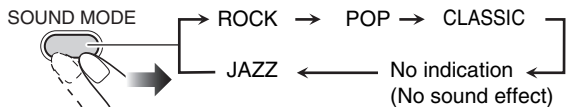
JAZZ	Accented lower frequencies for jazz-type music.
ROCK	Boosts low and high frequencies.
POP	Good for vocal music.
CLASSIC	Good for classical music.
No indication	No sound effect applies.

12

Setting the Clock ● ● ● ● ● ● ● ●

Without setting the built-in clock, you cannot use the Daily Timer (see page 17).

1 Turn off (standby)

⏻/|
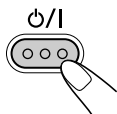
2 Activate the clock setting mode.

5 sec.

CLOCK/
SLEEP

3 Adjust the hour.
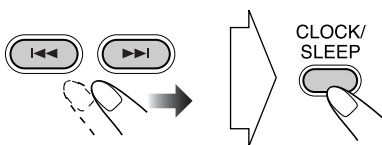
|◄◄   ►►| ⟹   CLOCK/
SLEEP

4 Adjust the minute.
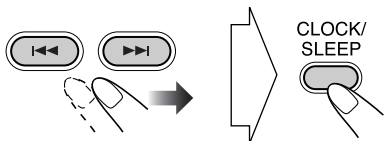
|◄◄   ►►| ⟹   CLOCK/
SLEEP

The built-in clock starts working.

To check the current time during play

CLOCK/
SLEEP

Display clock a few seconds and back to source.

If there is a power failure
The clock loses its settings and blinks. You need to set the clock again.

Turning Off the Power Automatically ● ●

To turn off the System after a certain period of time—Sleep Timer

1 Activate the sleep timer mode.

2 sec.

CLOCK/
SLEEP

2 Specify the time (in minutes).

CLOCK/
SLEEP

→ 10 → 20 → 30 → 40 → 50 → 60 ┐
└─ OFF   ← 90 ← 80 ← 70 ◄┘
   (Canceled)
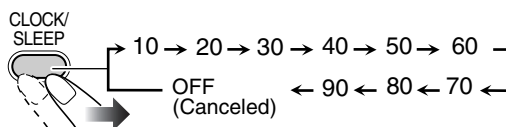
• Sleep timer requires a few seconds to set. The system automatically turns off when the selected count down time is executed.

To check the time remaining until the shut-off time

2 sec.

CLOCK/
SLEEP

SLE   09
SLEEP
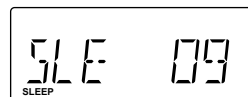
Advanced Disc/USB mass strage class device Operations

Numeric buttons

DISPLAY/ PROGRAM

CD ▶/II

USB MEMORY ▶/II

I◀◀/▶▶I

STOP ■

TUNING/ GROUP

RANDOM

REPEAT

JVC

Main unit

I◀◀/▶▶I

TUNING/ GROUP

DISPLAY/ PROGRAM

CD ▶/II

USB MEMORY ▶/II

STOP ■

JVC
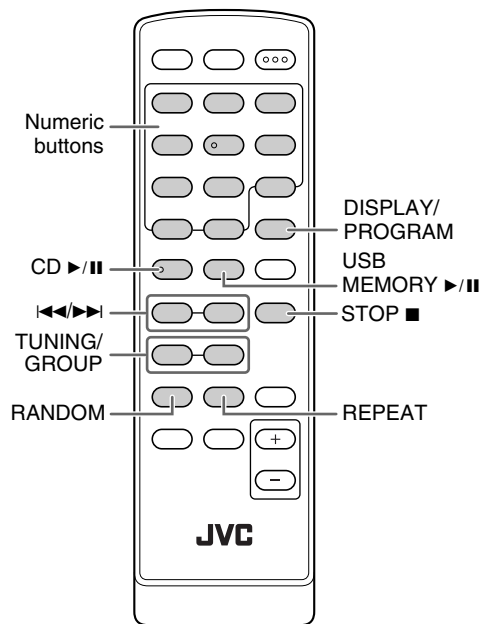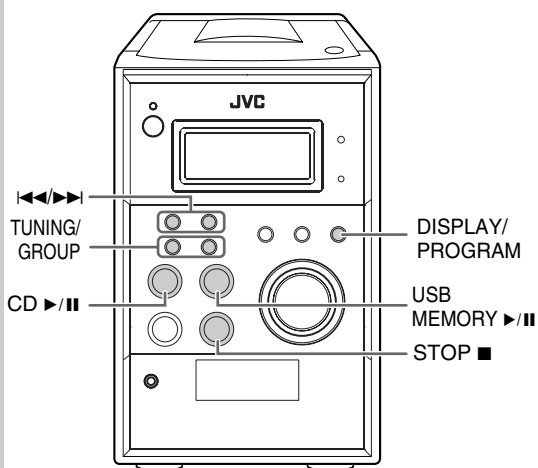
Programming the Playing Order— Program Play

You can arrange the playing order of the tracks (up to 32) before you start playback.
• You can repeat one programmed track or all the programmed tracks by pressing REPEAT.

1 Before starting playback, press DISPLAY/ PROGRAM.

DISPLAY/ PROGRAM

For CD

PROG.
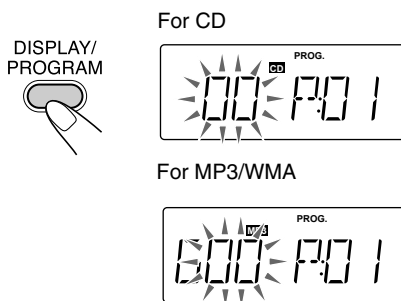
For MP3/WMA

PROG.

2 Select tracks you want for Program Play.
How to Select Numbers, see page 8.
You can also use the I◀◀/▶▶I .

For CD

Track number

PROG.

Program step

DISPLAY/ PROGRAM

For MP3/WMA

Press TUNING/GROUP to select a group.

Program step

PROG.

Group number

DISPLAY/ PROGRAM

Then select a track.

Track number

DISPLAY/
PROGRAM
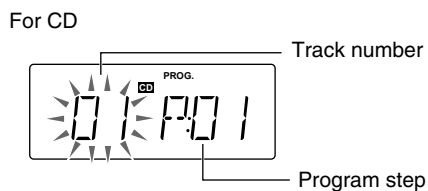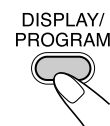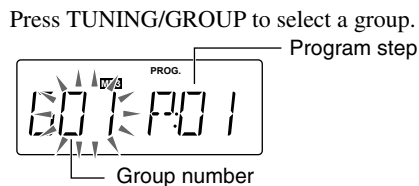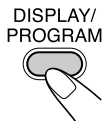
Next program step will be indicated when you program tracks.

For CD

For MP3/WMA

3 **Repeat step *2* to program the other tracks.**

4 **Start playback.**

CD   USB
            MEMORY
▶/❚❚   or   ▶/❚❚
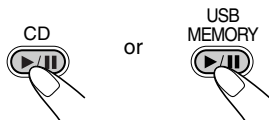
The tracks you have selected are played back in the order you have programmed.

To skip a track:	To pause:	To stop:
◀◀ ▶▶	CD ▶/❚❚ or USB MEMORY ▶/❚❚ To release, press again.	STOP ■

• Tracks cannot be selected with the Numeric buttons during Program Play.

To check the programmed contents

While the PROG. indicator is shown on the display and before playback...
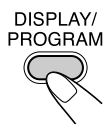
DISPLAY/
PROGRAM

To modify the program

While the PROG. indicator is shown on the display and before playback...

Edit:

1 Press DISPLAY/PROGRAM repeatedly until displaying the programmed number you want to edit.
2 Repeat the step 2 on page 14.

To add step in the program:

1 Press DISPLAY/PROGRAM repeatedly until displaying "00" on the display.
2 Repeat the procedure 2 on page 14.

To erase entire program:

STOP
■

Exit from Program mode at the same time.
All the programs are also erased under the following action: open CD door, change other sources, turn off the unit.

15

Playing at Random—Random Play 🔘Remote ONLY »)

You can play back all the tracks on the disc, USB mass storage class device at random.

You can play back all the tracks on the disc at random.

1 Press RANDOM.

RANDOM

2 Start play back.

CD

USB
MEMORY

Playback starts in random order.
Random Play ends when all tracks are played.

To skip a track:	To pause:	To stop:
	CD or USB MEMORY To release, press again.	STOP

• Tracks cannot be selected with the Numeric buttons during Random Play.

To exit from Random Play
While the RANDOM indicator is shown on the display...

RANDOM

Playing Repeatedly—Repeat Play 🔘Remote ONLY »)

You can repeat playback.

For CD:

REPEAT

→REPEAT1 → REPEAT ─┐
└─ Canceled ◄───────┘
(No indication)
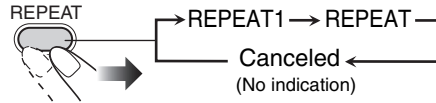
For MP3/WMA disc, USB mass storage class device (DAP):

REPEAT

→ REPEAT1 → REPEAT ─┐
└ Canceled ← REPEAT GROUP ┘
(No indication)
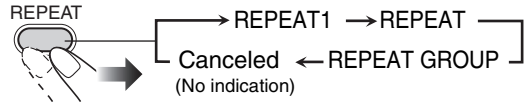
REPEAT1	Repeats the current track.
REPEAT GROUP	Repeats all the tracks in the current group.
REPEAT	Repeats all the tracks. Repeats the program.

Timer Operations

Remote control

TIMER

⏻/|

|◀◀/▶▶|

STOP ■

Main unit

⏻/|

|◀◀/▶▶|

TIMER

STOP ■
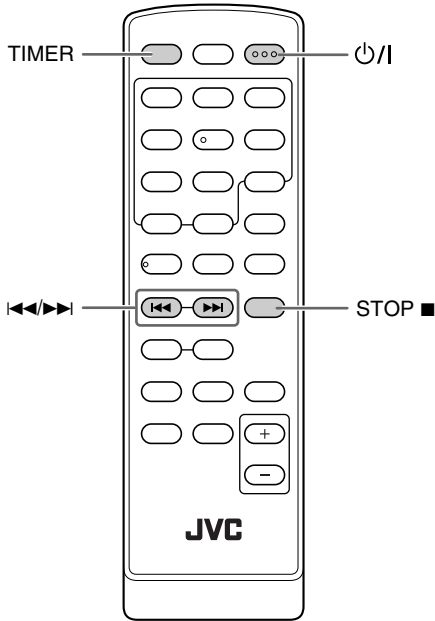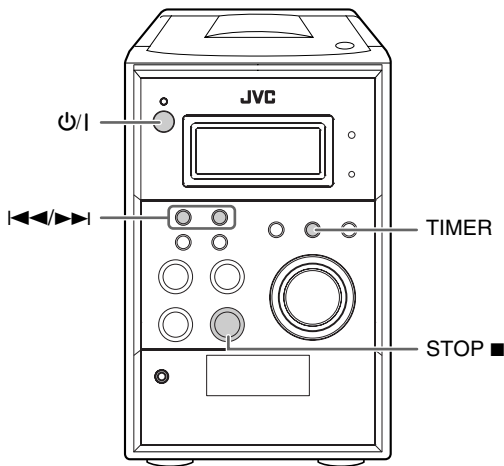
Setting the Timer ● ● ● ● ● ● ● ● ●

Using Timer, you can wake up with music, etc.
• You can set the Timer when the System turns on.
• To exit from the timer setting, press ■ as required.

How Timer actually works

Once the Timer has been set, the timer (⊕) indicator lights on the display. Lights TIMER lamp on the main unit. Timer is activated at the same time everyday until the timer is turned off manually.

When the on-time comes

The System turns on, tunes in to the specified station or starts playing the specified source.
• The sound level is gradually turned up until the last time you listened to. (Maximum Vol.16)
• While Timer is working, the timer (⊕) indicator lights on the display.
• The timer setting remains in memory until you change it.
• Without canceling the Timer, you can change the source or adjust the volume after Timer starts playback.

1 To activate the TIMER setting

2 sec.

TIMER

ON TIME

TIMER

2 Set On Time
① **Set hour**

PRESET
|◀◀   ▶▶|

TIMER

② **Set minutes**

PRESET
|◀◀   ▶▶|

TIMER

17
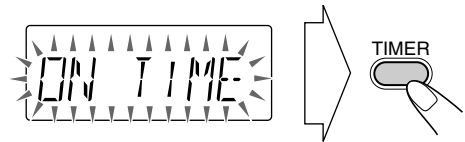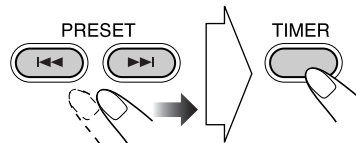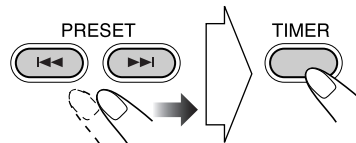
3 Set Off Time
① **Set Off Time setting.**
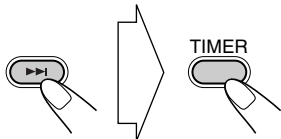
② **Set time.**
See the step 2 ①, ②
You can not set On time and Off time on the same time setting.

4 Select the playback source.
① **Select the source.**
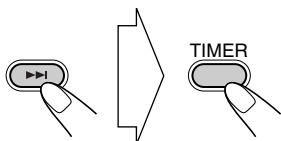
② **Select the playback source;** "**CD**", "**USB**" **or** "**TUNER**".
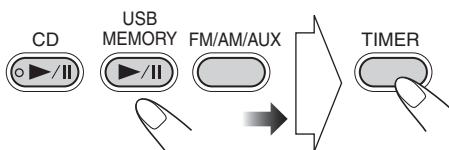
When you select "TUNER"
–1 I◀◀/▶▶I Select "AM PRE" or "FM PRE", then press TIMER.
–2 I◀◀/▶▶I Select preset number, then press TIMER.

5 Set TIMER active.
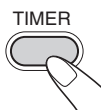
The Timer indicator lights on the display and TIMER lamp on the main unit.

6 Set the System STANDBY.
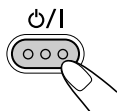
To inactivate the TIMER.
When the System turns on.
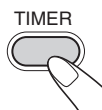
The timer (⊕) indicator on the display and the TIMER lamp of the main unit go out.

📖 **memo**

• When setting both SLEEP TIMER and DAILY TIMER, the timer which turns the unit off earlier takes precedence.

Additional Information

Learning More about This System ● ● ● ●

Daily Operations—Playback (see pages 8)

Listening to the Radio:
• If you store a new station into an occupied preset number, the previously stored station in that number will be erased.
• 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.

Playing Back a Disc:
• This System cannot play "packet write" discs.
• For MP3/WMA playback...
 – MP3/WMA discs are required a longer readout time than regular CDs. (It depends on the complexity of the group/file configuration.)
 – Some MP3/WMA files cannot be played back and will be skipped. This results from their recording processes and conditions.
 – When making MP3/WMA discs, use ISO 9660 Level 1 or Level 2 for the disc format.
 – This System can play back MP3/WMA files with the extension code <.mp3/.wma> (regardless of the letter case—upper/lower).
 – Some characters or symbols will not be shown correctly on the display.
 The maximum character number shown on the display is 32 (without the extension code) for files, and 30 for ID3 tag.
 – It is recommended that you make each MP3/WMA file at a sampling rate of 44.1 kHz and at bit rate of 128 kbps.
 – This System can recognize a total of 999 tracks and 500 groups on an MP3/WMA disc. Those exceeding the maximum number cannot be recognized.
 – Playback order of MP3/WMA tracks may be different from the one you have intended while recording. If a folder does not include MP3/WMA tracks, they are ignored.

MP3/WMA groups/tracks configuration
This System plays backMP3/WMA tracks as follows. The play order in the figure is for MP3/WMA tracks on the disc.
MP3/WMA tracks on USB mass storage class device maybe played back differently.

| **Hierarchy** | | | | |
| Level 1 | Level 2 | Level 3 | Level 4 | Level 5 |

| 01 | Group with its play order |
| ♪① | MP3/WMA track with its play order |

Daily Operations—Sound & Other Adjustments (see pages 12 and 13)

Adjusting the Volume:
• Be sure to turn down the volume before connecting or putting the headphones.

Adjusting the Sound:
• This function also affects the sound through the headphones.

Setting the Clock:
• The clock blinks on the display until you set the clock.
• The clock may gain or lose 1 to 2 minutes per month. If this happens, reset the clock.

Advanced Disc/USB mass storage class device (see pages 14 to 16)

Programming the Playing Order—Program Play:
• If you try to program a 33rd track, "FULL" appears on the display.
• While programming steps...
 Your entry will be ignored if you have tried to program an item number that does not exist on the disc (for example, selecting track 14 on a disc that only has 12 tracks).
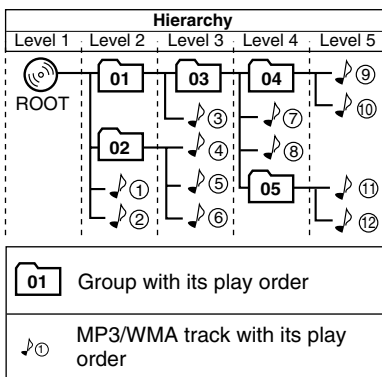
Timer Operations (see pages 17 and 18)
• When you unplug the AC power cord or if a power failure occurs, the timer will be canceled. You need to set the clock first, then the timer again.
• You can not set On time and Off time on the same time setting.

Troubleshooting ● ● ● ● ● ● ● ● ●

If you are having a problem with your System, check this list for a possible solution before calling for service.

General:

Adjustments or settings are suddenly canceled before you finish.

⇨ There is a time limit. Repeat the procedure again.

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.
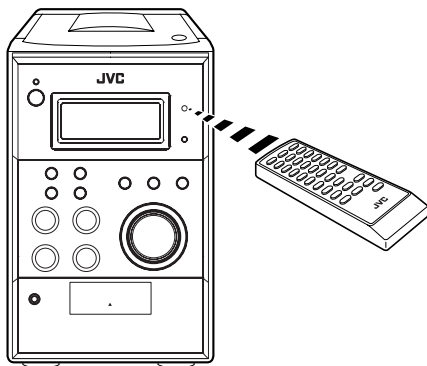
Unable to operate the System from the remote control.

⇨ The path between the remote control and the remote sensor on the System is blocked.

⇨ Point it at the remote sensor on the front panel.

⇨ Signals cannot reach the remote sensor.
Move closer to the System.

⇨ The batteries are exhausted.

No sound is heard from the speakers.

⇨ Speaker connections are incorrect or loose (see page 6).

⇨ Headphones are connected (see page 8).

Radio Operations:

Hard to listen to broadcasts because of noise (see pages 4 to 6).

⇨ Antennas connections are incorrect or loose.

⇨ The AM loop antenna is too close to the System.

⇨ The FM antenna is not properly extended and positioned.

Disc Operations:

The disc does not play.

⇨ The disc is placed upside down. Place the disc with the label side up.

The disc sound is discontinuous.

⇨ The disc is scratched or dirty.

Timer Operations:

Daily Timer does not work.

⇨ The System has been turned on when the on-time comes. Timer starts working only when the System is turned off.

⇨ There might have been a power failure. Set the clock first, then the timer again.

"INVALID" is indicated on the display.

⇨ Set the Off Time first (see page 18).

Maintenance ● ● ● ● ● ● ● ● ●

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

Handling discs

• When removing the disc from its case, hold 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.

• 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.

Cleaning the System

• Stains should be wiped off with a soft cloth. If the System is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.

• Since the System may deteriorate in quality, it become damaged or get its paint peeled off, be careful about the following:
  – DO NOT wipe it with a hard cloth.
  – DO NOT wipe it strongly.
  – 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 for a long time.

Specifications ● ● ● ● ● ● ● ● ●

Amplifier section

Output Power: 8 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion.

Speakers/Impedance: 4 Ω – 8 Ω

Terminals

AUX IN
Input sensitivity/Impedance (250mV/50kΩ)
USB Ver.2.0 (Full Speed)
Compatible device: Mass Storage Class
Compatible File System: FAT16, FAT32
Bus Power supply: Max 5V/500mA

Tuner section

FM tuning range: 87.5 MHz – 108.0 MHz
AM (MW) tuning range: 520 kHz – 1 710 kHz

CD player section

Dynamic range: 70 dB
Signal-to-noise ratio: 70 dB

General

Power requirement: AC 120 V ∿, 60 Hz
Power consumption: 35 W (at operation)
    0.7 W (on standby)
Dimensions (approx.):   144 mm × 212 mm × 254 mm
    (5-11/16" × 8-3/8" × 10)
    (W/H/D)
Mass (approx.):   2.5 kg (19.2 lbs)

Speakers

Type: 1-way Bass reflex
Speaker units: 10 cm (3-15/16") cone × 1
Impedance: 4 Ω
Dimensions (approx.):   136 mm × 212 mm × 178 mm
    (5-3/8" × 8-3/8" × 7-1/16")
    (W/H/D)
Mass (approx.):   1.3 kg (2.9 lbs) each

Supplied Accessories

See page 4.

Design and specifications are subject to change without notice.

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Parts Index

Refer to the pages to see how to use the buttons and controls.

Remote control

Label	Button
17	TIMER
13	CLOCK/SLEEP
8, 13, 18	⏻/⏽
8	(number keypad 1–0, ≧10)
9, 14	DISPLAY/PROGRAM
10, 14	CD ►/‖
9	FM/AM/AUX
10, 14	USB MEMORY ►/‖
11, 17	◄◄ PRESET ►►
10, 15	STOP
9, 11	TUNING/GROUP ▼ ▲
16	RANDOM
16	REPEAT
12	FADE MUTING
12	SOUND MODE
8, 12	VOLUME + −
12	HBS

JVC
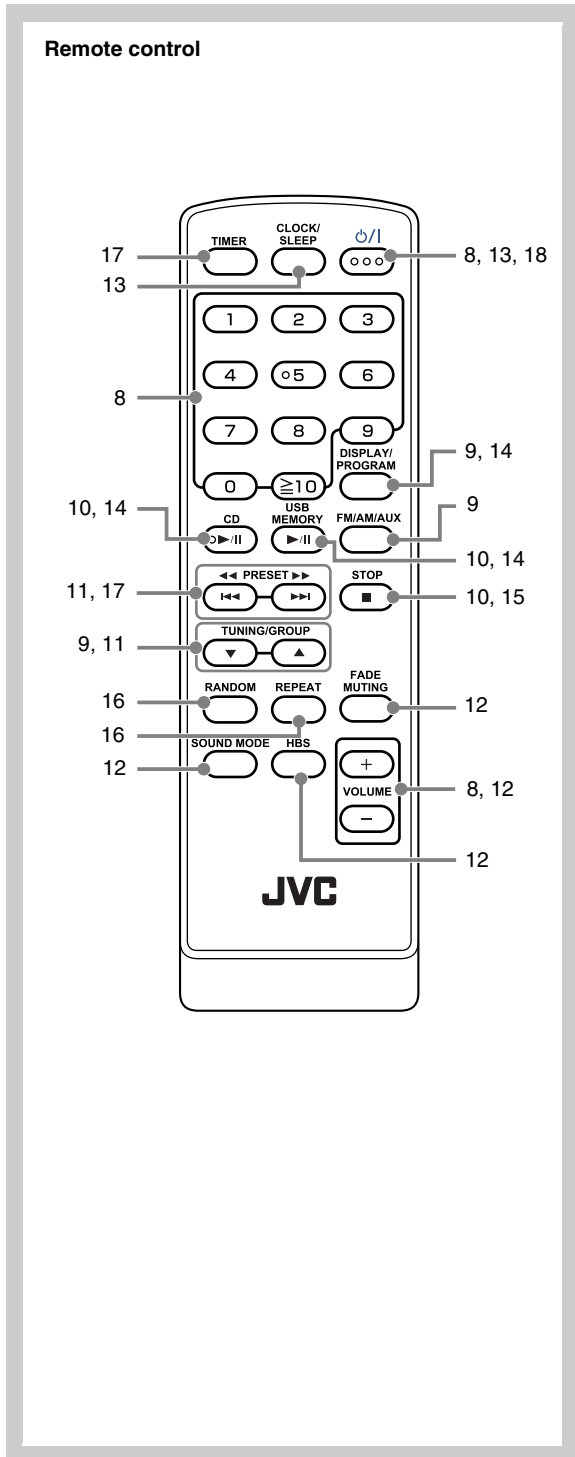
Main unit
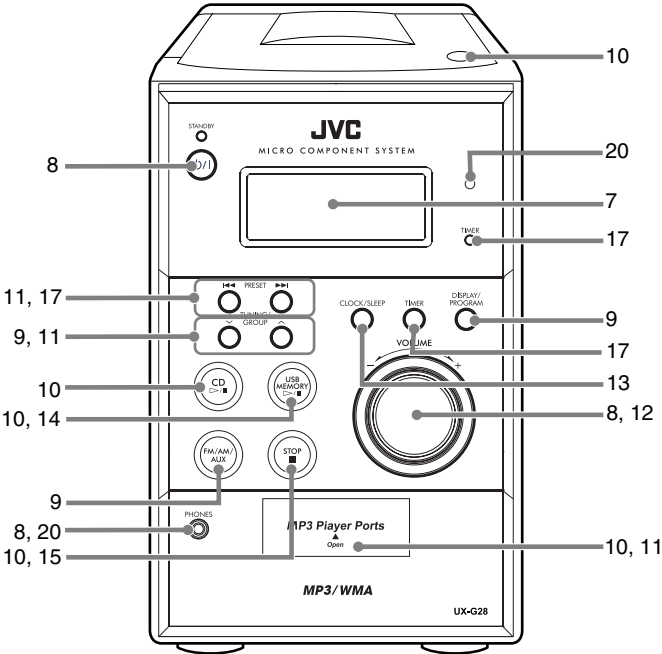
TO OUR VALUED CUSTOMER ———

THANK YOU FOR PURCHASING THIS JVC PRODUCT.

WE WANT TO HELP YOU ACHIEVE A PERFECT EXPERIENCE.

NEED HELP ON HOW TO HOOK UP?
NEED ASSISTANCE ON HOW TO OPERATE?
NEED TO LOCATE A JVC SERVICE CENTER?
LIKE TO PURCHASE ACCESSORIES?

JVC® IS HERE TO HELP!
TOLL FREE: 1(800)252-5722
http://www.jvc.com

Remember to retain your Bill of Sale for Warranty Service.

——— **Do not attempt to service the product yourself** ———

Caution
To prevent electrical shock, do not open the cabinet.
There are no user serviceable parts inside.
Please refer to qualified service personnel for repairs.

LIMITED WARRANTY

ONLY FOR PRODUCT PURCHASED IN U.S.A.

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

PARTS	LABOR
1 YR	**1** YR

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

WHAT WE WILL DO:

If this product is found to be defective within the warranty period, JVC will repair or replace defective parts with new or rebuilt equivalents 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 may be brought to a JVC authorized service center on a carry-in basis. Color televisions with a screen size of 27" or greater qualify for in-home service. In such cases, a technician will come to your home and either repair the TV there or remove and return it if it cannot be repaired in your home.

WHAT YOU MUST DO FOR WARRANTY SERVICE:

Please do not return your product to the retailer

Instead, return your product to the JVC authorized service center nearest you. If shipping the product to the service center, please be sure to package it carefully, preferably in the original packaging, and include a brief description of the problem(s). Please call 1-800-252-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website http://www.jvc.com. If your product qualifies for in-home service, the service representative will require clear access to the product.

If you have any questions concerning your JVC Product, please contact our Customer Care Center at 800-252-5722

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 or serial number has been altered, tampered with, defaced or removed;
2. Initial installation, installation and removal from cabinets or mounting systems.
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. User Removal Memory Devices/Video Pick-up Tubes/CCD Image Sensors are covered for 90 days from the date of purchase;
7. Accessories;
8. Batteries (except that Rechargeable Batteries are covered for 90 days from the date of purchase);
9. Products used for commercial purposes, including, but not limited to rental.
10. Loss of data resultant from malfunction of hard drive or other data storage device;

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 ANY LOSS OF USE OF THE PRODUCT, INCONVIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTAL (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 lasts, 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 AMERICAS CORP.
1700 Valley Road, Wayne, New Jersey 07470
http://www.jvc.com

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY, THIS WARRANTY DOES NOT APPLY. FOR DETAIL OF REFURBISHED PRODUCT 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 : _____

MEMO

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