JVC

MICRO COMPONENT SYSTEM

UX-GN6

—Consists of CA-UXGN6 and SP-UXGN5

COMPACT disc DIGITAL AUDIO

Made for iPod

MP3/WMA

Thank you for purchasing a JVC product.

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.

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.

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 products 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 un renseignement se trouvent dans le manuel d'instructions.

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: 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: Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.
ATTENTION: Les piles ne doivent en aucun cas être exposées à une chaleur excessive (lumière du soleil, feu, etc.).

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:** 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.

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:** Rayonnement laser visible et/ou invisible de classe 1M une fois ouvert. Ne pas regarder directement dans le faisceau avec des instruments optiques.
4. REPRODUCTION DE L'ÉTIQUETTE: ÉTIQUETTE DE PRÉCAUTION PLACÉE À L'INTÉRIEUR DE L'APPAREIL.

CAUTION
The 🔌/Ϟ button in any position does not disconnect the mains line.
Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off).
The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
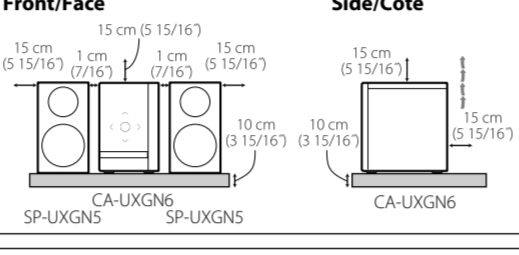• When the System is on standby, the STANDBY lamp lights red.
• When the System is turned on, the STANDBY lamp goes off.
The power can be remote controlled.

ATTENTION
La touche 🔌/Ϟ, quelle que soit sa position, ne coupe pas la ligne principale.
Débrancher la fiche principale pour couper complètement l'alimentation du secteur (le témoin STANDBY s'éteint).
La fiche secteur ou un coupleur est utilisé comme dispositif de déconnexion de l'appareil, et l'appareil déconnecté doit être prêt à être utilisé.
• Quand l'appareil est en mode d'attente, le témoin STANDBY est allumé en rouge.
• Quand l'appareil est sous tension, le témoin STANDBY s'éteint.
L'alimentation peut être commandée à distance.

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 peut 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.

[European Union only]
[Union européenne seulement]

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

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/Face   **Side/Côté**
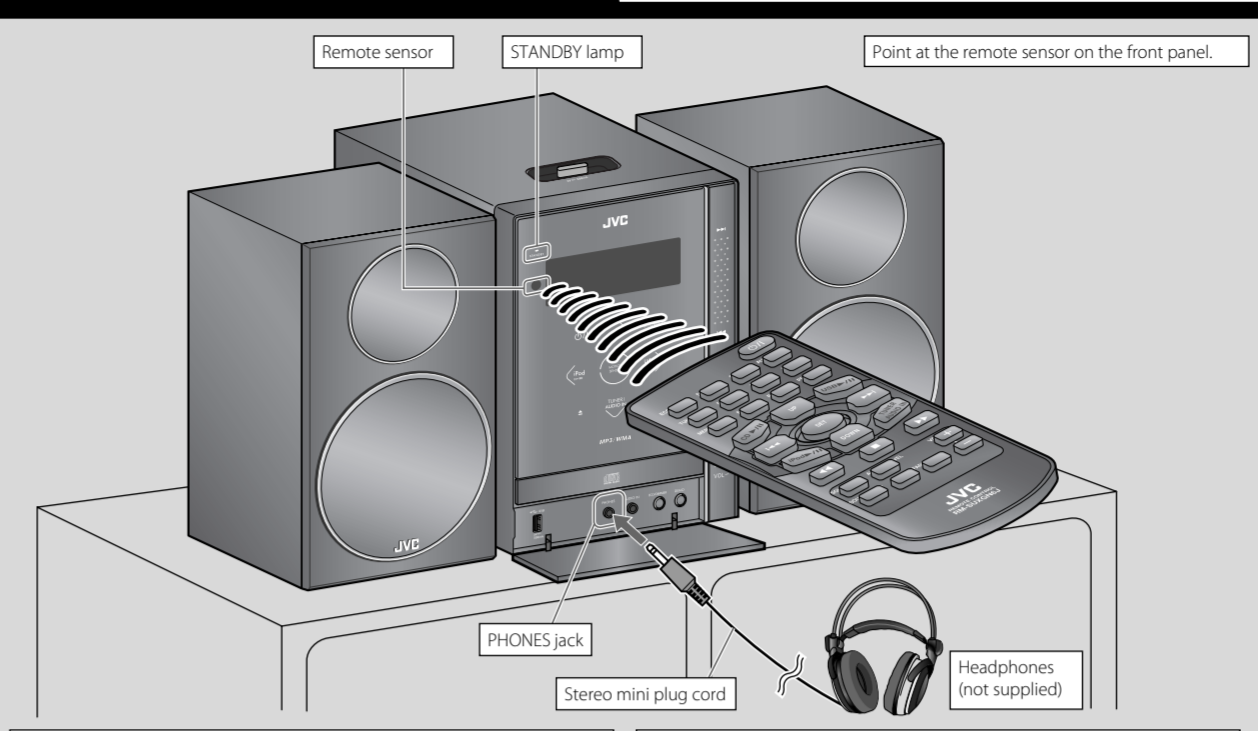
15 cm (5 15/16")   15 cm (5 15/16")

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.
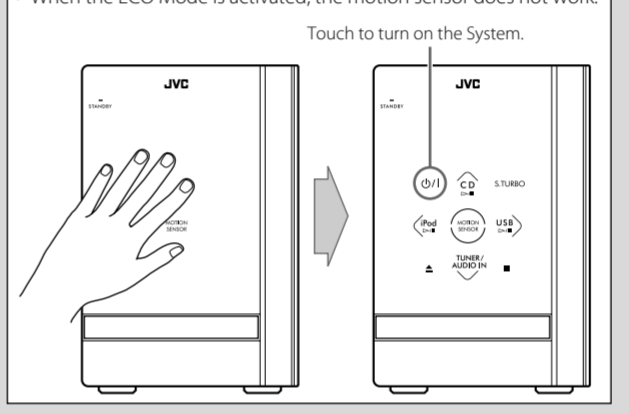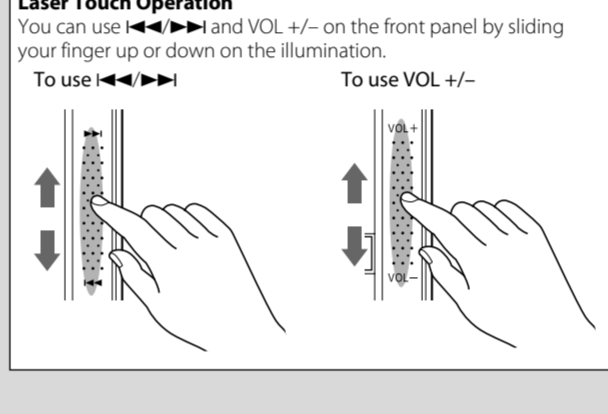
Basic and Common Operations

The operations on pages 4 to 6 are explained using the remote control, unless mentioned otherwise. However, if the System has the same or similar button names, they can also be used for the operations.

Remote sensor   STANDBY lamp   Point at the remote sensor on the front panel.

PHONES jack

Stereo mini plug cord   Headphones (not supplied)

Display Demonstration
When you plug in the System, the display demonstration automatically starts.
To cancel the display demonstration, press and hold DEMO until "DEMO CLR" is displayed while the System is on standby.
• When the ECO Mode is activated, the display demonstration does not work (and you cannot deactivate it).
• When the display demonstration is activated, it also starts if no operation is done for about 2 minutes while the System is turned on.

Laser Touch Operation
You can use ◄◄/►► and VOL +/− on the front panel by sliding your finger up or down on the illumination.
To use ◄◄/►►   To use VOL +/−

Using Headphones
Be sure to turn down the volume before connecting or putting on the headphones.
• Connecting the headphones will deactivate the speakers.
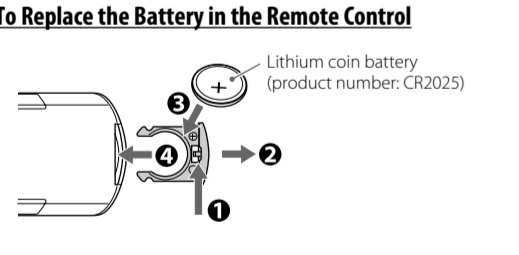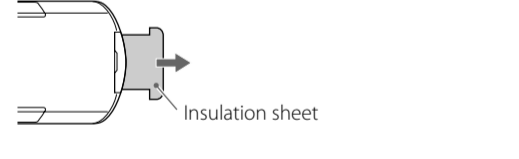• Sound adjustments also affect the sound through the headphones.

Motion Sensor on the Front Panel
When you move your hand close to the front panel while the System is on standby, the controls on the front panel illuminate.
• When no operation is done for about 5 seconds, the illumination turns off.
• When the ECO Mode is activated, the motion sensor does not work.

Touch to turn on the System.

To	Press Main unit	Press Remote	Indication/Result
Turn on or off (standby) the power	🔌/Ϟ	🔌/Ϟ	The STANDBY lamp on the System turns off/on.
Select a source	CD	CD ►/❚❚	See "Playing Back a Disc/USB Mass Storage Class Device" on page 4.
	USB	USB ►/❚❚	
	iPod	iPod ►/❚❚	See "Listening to an iPod/Viewing Images on the iPod" on page 5.
	TUNER AUDIO IN	TUNER AUDIO IN	Press repeatedly to select "FM," "AM," or "AUDIO IN" as the source. FM → AM → AUDIO IN • See "Listening to FM and AM Broadcasts" or "Listening to Other Equipment" on page 5.
Adjust the volume	VOL + VOL −	VOLUME + VOLUME −	—
Drop the volume in a moment	—	FADE MUTING	To restore the volume, press again, or adjust the volume level.
Select the Sound Mode	—	SOUND MODE	Press repeatedly to select the desired Sound Mode. The SOUND indicator lights up. ROCK → POPS → CLASSIC → JAZZ FLAT ← SAMBA ← SALSA ← REGGAE (canceled)
Emphasize the sound (Sound Turbo)	S.TURBO	SOUND TURBO	The S.TURBO indicator lights up. To cancel this function, press again.
Reinforce the bass sound (Hyper Bass Sound)	—	HBS	The HBS indicator lights up. • When Sound Turbo function is activated (see above), the HBS indicator goes off and HBS button does not work. To cancel this function, press again.
Change the display brightness	ECO/DIMMER	ECO/DIMMER	Press repeatedly when the System is turned on. DIM ON → DIM OFF (canceled)
Turn off the display while on standby	ECO/DIMMER	ECO/DIMMER	Press repeatedly while the System is on standby. DISP OFF → ECO ON Clock DISP OFF: Turns off the display with the motion sensor off. ECO ON: Turns on the ECO (Ecology) Mode. ECO Mode reduces power consumption while the System is on standby by turning off the display and motion sensor.

NOTE:
DO NOT turn off (standby) 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.

Getting Started

■ Supplied Accessories
After unpacking, check to be sure that you have all the following items.
• Remote control, RM-SUXGN6J (× 1)
• Lithium coin battery (× 1: installed in the remote control)
• AM loop antenna (× 1)
• FM antenna (× 1)
• Video cord (× 1)
If anything is missing, consult your dealer immediately.

■ Prepare the Remote Control
When you use the remote control for the first time, pull out the insulation sheet.

Insulation sheet

To Replace the Battery in the Remote Control

Lithium coin battery (product number: CR2025)

NOTES:
• Store the battery in a place where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
• To prevent the battery from overheating, cracking, or starting a fire:
  − Do not recharge, short, disassemble or heat the battery or dispose of it in a fire.
  − Do not leave the battery with other metallic materials.
  − Wrap the battery with tape and insulate when throwing away or saving it.
  − Do not poke the battery with tweezers or similar tools.
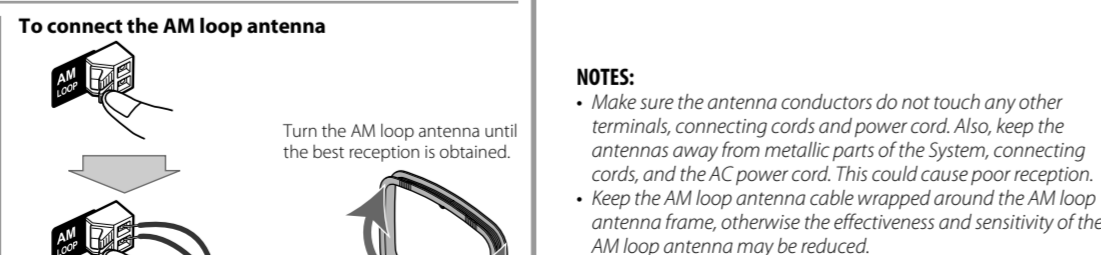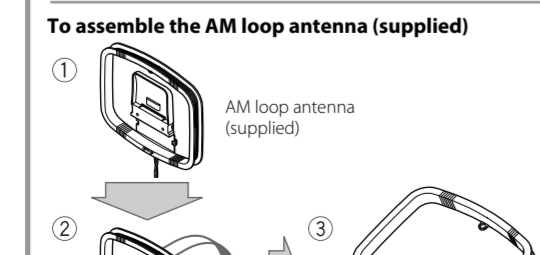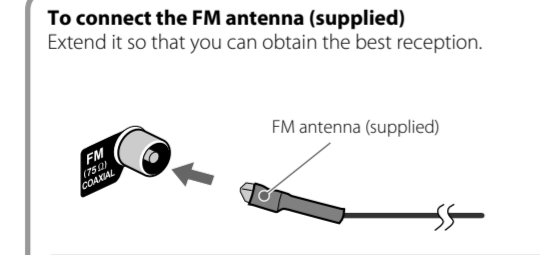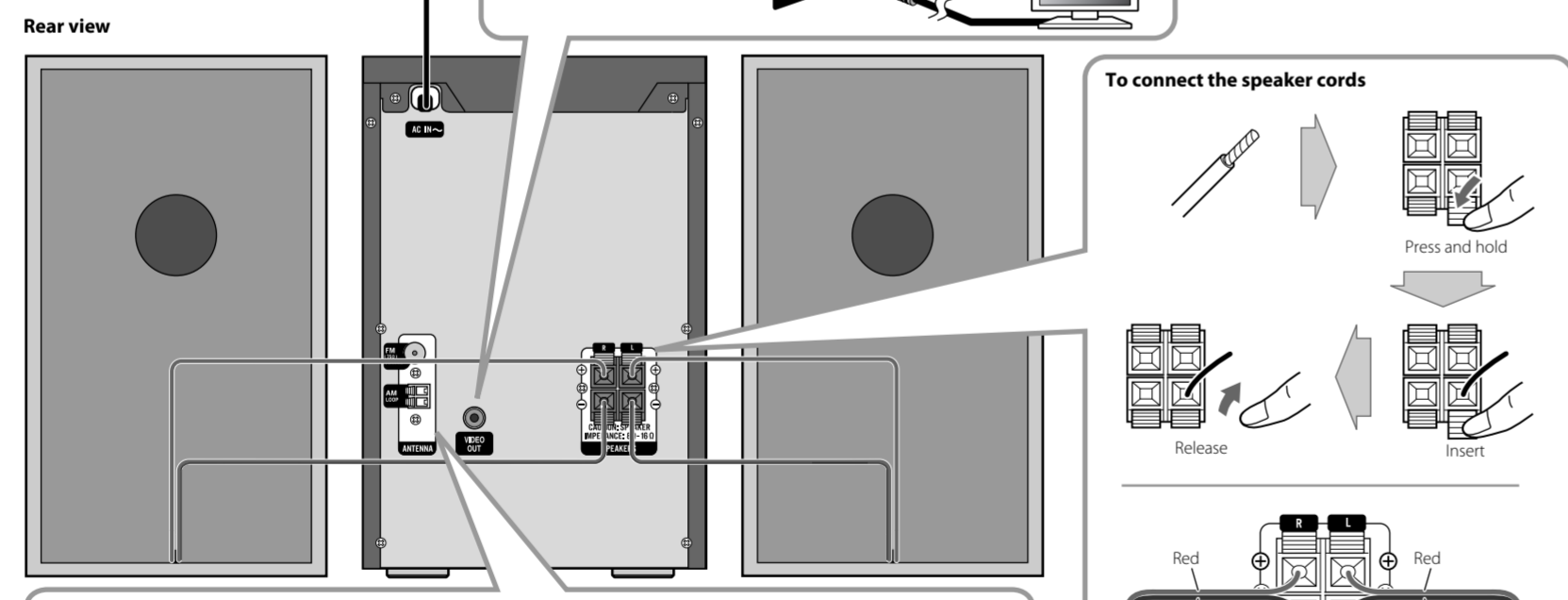• Dispose of battery in the proper manner, according to federal, state, and local regulations.

For USA-California Only
This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material – special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate

CAUTION:
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

■ Connections

For iPod

To connect the monitor (not supplied)
—To view video/picture from the iPod
Video cord (supplied)   Monitor

Rear view

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

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

To connect the FM antenna (supplied)
Extend it so that you can obtain the best reception.
FM antenna (supplied)

For better FM reception
Disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 Ω wire with coaxial type connector.
Outdoor FM antenna (not supplied)

To assemble the AM loop antenna (supplied)
AM loop antenna (supplied)

To connect the AM loop antenna
Turn the AM loop antenna until the best reception is obtained.

To connect the speaker cords
Press and hold
Release
Insert

Red   Red
Black   Black
From right speaker   From left speaker
CAUTION: SPEAKER IMPEDANCE: 8 Ω-16 Ω
SPEAKERS

NOTES:
• 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.
• Keep the AM loop antenna cable wrapped around the AM loop antenna frame, otherwise the effectiveness and sensitivity of the AM loop antenna may be reduced.
• Make sure both the speakers are connected correctly and firmly.
• When connecting the speaker cords, match the polarity of the speaker terminals: red color to (+) and black color to (−).
• 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.

Playing Back a Disc/USB Mass Storage Class Device

This System can play back...
– CD.
– CD-R/CD-RW recorded in audio CD format (CD-DA) or recorded MP3/WMA files in ISO 9660 format.
– USB mass storage class device containing MP3/WMA files.
• When playing back an MP3 or WMA track, corresponding indicator lights up.

■ Loading a Disc (on the System only)
1 Touch to open the disc tray.
2 • When using an 8 cm (3 3/16 inch) disc, place it on the inner circle of the disc tray.
3 Touch to close the disc tray.

■ Connecting a USB Mass Storage Class Device
You can connect a USB mass storage class device such as a USB flash memory device, MP3 player, multimedia card reader, etc. to the System.
Front view
USB cable (not supplied)   USB memory (not supplied)

NOTES:
• When connecting with a USB cable, use the USB 2.0 cable whose length is less than 1 m (3.3 ft).
• USB mass storage class device is charged through the USB terminal when the System is turned on and the source is "USB."
• You cannot connect a computer to the USB terminal of the System.
• Do not disconnect the USB mass storage class device when the System is turned on. It may cause malfunction of both this System and the device.
• Noise and static electricity may stop the USB mass storage class device sound. In this case, disconnect the USB mass storage class device and connect it again after turning off the System.
• Depending on the shape of USB mass storage class device, the USB terminal may not be fully inserted into the USB terminal on the System. In such a case, use a USB extension cable (not supplied) to connect.

■ Prohibiting Disc Ejection (on the System only)
You can lock the disc tray so that no one can eject the loaded disc.
While the System is on standby...
■ + ⏏   To cancel the prohibition, repeat the same procedure.
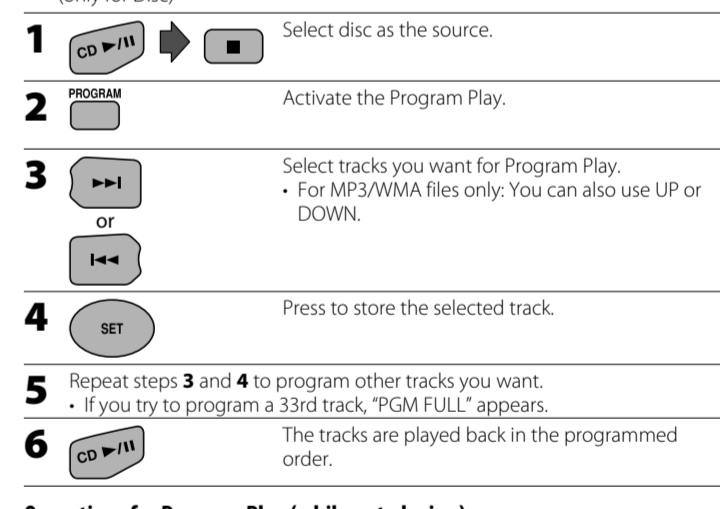
■ Basic Disc/USB Mass Storage Class Device Operations

To	Press	Indication/Result
Play back the disc	CD ►/❚❚	• During playback, press again to pause.
Play back the USB mass storage class device	USB ►/❚❚	
Stop playback	■	• While playback is stopped, total track number and total playing time (for MP3/WMA files, group number and track number) appear.
Select a track	►►❙	Select the next tracks.
	❙◄◄	To go back to the beginning of the current or previous tracks.
Select a group (MP3/WMA only)	UP	Select the next groups.
	DOWN	Select the previous groups.
Forward search/ Reverse search	►►	Press and hold to fast-forward the track during playback.
	◄◄	Press and hold to fast-reverse the track during playback.
Change the display information	DISPLAY	(only for USB) Press repeatedly.

NOTES:
• If no disc is inserted or no USB mass storage class device is connected, "NO DISC" or "NO USB" appears on the main display.
• If MP3/WMA files are not recorded on the disc or in the USB mass storage class device, "NO PLAY" appears on the main display.
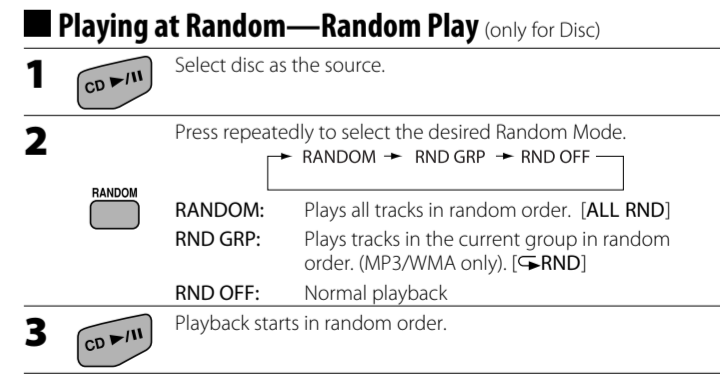
■ Playing Repeatedly—Repeat Play
1 Press repeatedly to specify the repeat mode as follows:
RPT TRK → RPT GRP → RPT ALL → RPT OFF

RPT TRK: Repeats the current (or specified) track. [↻1]
RPT GRP: Repeats all tracks in the current group (MP3/WMA only). [↻]
RPT ALL: Repeats all tracks. [↻ALL]
RPT OFF: Normal playback

2 CD ►/❚❚ or USB ►/❚❚

■ Programming the Playing Order—Program Play
(only for Disc)
1 CD ►/❚❚ → ■   Select disc as the source.
2 PROGRAM   Activate the Program Play.
3 ►►❙ or ❙◄◄   Select tracks you want for Program Play. • For MP3/WMA files only: You can also use UP or DOWN.
4 SET   Press to store the selected track.
5 Repeat steps 3 and 4 to program other tracks you want. • If you try to program a 33rd track, "PGM FULL" appears.
6 CD ►/❚❚   The tracks are played back in the programmed order.

Operations for Program Play (while not playing)
• To check the programmed contents, press ❙◄◄ or ►►❙.
• To add tracks, repeat steps 3 and 4 above.
• To erase the entire program, press and hold CANCEL for about 2 seconds.
• To exit from Program Play, press PROGRAM or ■.
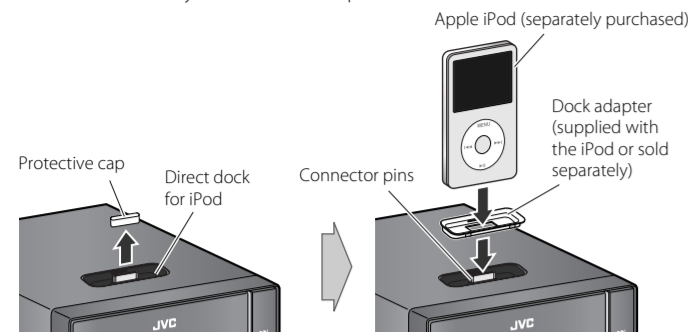 − The stored program is kept.

■ Playing at Random—Random Play (only for Disc)
1 CD ►/❚❚   Select disc as the source.
2 RANDOM   Press repeatedly to select the desired Random Mode.
RANDOM → RND GRP → RND OFF
RANDOM: Plays all tracks in random order. [ALL RND]
RND GRP: Plays tracks in the current group in random order. (MP3/WMA only). [↻RND]
RND OFF: Normal playback
3 CD ►/❚❚   Playback starts in random order.

Operations for Random Play
• To skip a track, press ►►❙.
• To go back to the beginning of the current track, press ❙◄◄.

Listening to an iPod/Viewing Images on the iPod

■ Connecting an iPod

Insert the iPod directly to the connector pins.

Apple iPod (separately purchased)

Dock adapter (supplied with the iPod or sold separately)

Protective cap

Direct dock for iPod

Connector pins

To detach the dock adapter from the dock:
Pull up the dock adapter with your fingernail or sharp pointed tool using the slot.
• Be careful not to injure your fingertips or damage the terminal of the dock.

• Be sure to reduce the volume on the System to the minimum level before connecting an iPod. Adjust the volume after starting playback.
• DO NOT connect or disconnect the iPod when the System is turned on.
• You cannot send any data to your iPod from the System.
• Do not carry the System with iPod connected. You might drop the iPod or it might cause damages to the iPod dock.
• Do not touch or hit the iPod terminal pins or connector pins in the iPod dock directly. It might cause damages to the connector part.
• Before viewing a video/picture from your iPod on your monitor, make the appropriate video setting on the iPod. For details of the setting, refer to the instruction manual for the iPod.

■ Basic iPod Operations

To	Press	Indication/Result
Play back an iPod	iPod►/II	The System detects the iPod and starts playback. • **To turn off the iPod**, press and hold for more than 2 seconds.
Select a track	►►I	Select the next tracks.
	I◄◄	To go back to the beginning of the current or previous tracks.
Forward search/ Reverse search	►►	Press and hold to fast-forward the track during playback.
	◄◄	Press and hold to fast-reverse the track during playback.

To	Press	Indication/Result
Display the menu/ Go back to the previous menu	MENU/CANCEL	—
Select an item on the menu	UP or DOWN	• The UP/DOWN buttons work in the same way as operating the click wheel of iPod counterclockwise/clockwise. (Refer to the instruction manual for the iPod for details.)
	SET	
Play back at random	RANDOM	• Refer to the instruction manual for the iPod for details.
Play back repeatedly	REPEAT	• Refer to the instruction manual for the iPod for details.
Change the display information	DISPLAY	Press repeatedly.
Turn on iPod's backlight	DISPLAY	Press and hold for more than 2 seconds.

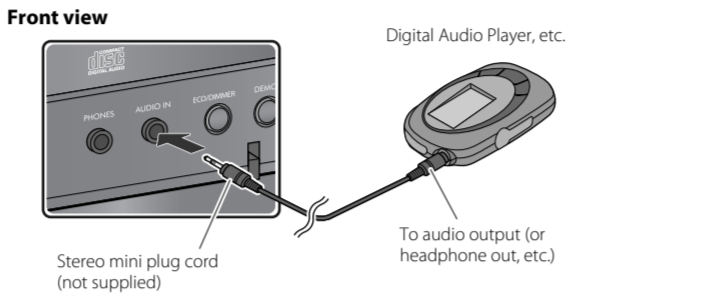# Listening to FM and AM Broadcasts

■ Basic Tuner Operations

To	Press	Indication/Result
Select FM or AM	TUNER/AUDIO IN	Press repeatedly to select "FM" or "AM." • The selected frequency band appears.
Select a frequency	►►I or I◄◄	Press and hold for more than 2 seconds. The System starts searching for stations and stops when a station of sufficient signal strength is tuned in. • Press during searching to stop. • Press repeatedly to change the frequency step by step.
Tune in to a preset station • For presetting stations, see the right column.	UP or DOWN	Press repeatedly to select its preset number.
Change the FM reception mode (When an FM stereo broadcast is hard to receive)	TUNER MODE	Press to improve reception. The **M** (mono) indicator lights up. Stereo effect will be lost. **To restore the stereo effect**, press again. The **S** (stereo) indicator lights up.

■ Presetting Stations

You can preset 30 FM and 15 AM stations manually.

1 Tune in to a station you want to preset.
• You can also store the FM reception mode.

2 SET — Press to activate the preset number entry mode.
• Finish the following steps while the indication on the display is flashing.

3 UP or DOWN — Press to select a preset number for the station you want to store.

4 SET — Press to store the station.

Listening to Other Equipment

Front view

Digital Audio Player, etc.

Stereo mini plug cord (not supplied)

To audio output (or headphone out, etc.)

1 VOLUME — Turn the volume to minimum.

2 TUNER/AUDIO IN — Press repeatedly to select "AUDIO IN."

3 Start playing the connected equipment.

4 VOLUME — Adjust the volume.

To Preset the Audio Input Level

If the sound from the equipment connected to the AUDIO IN jack is too loud or too quiet, you can change the audio input level through the AUDIO IN jack (without changing the volume level).

Press repeatedly to select the level as follows:

AUDIO IN LEVEL → NORMAL → HIGH

NORMAL: Ordinary input level.
HIGH: Increases the input level.

Learning More about This System

Basic and Common Operations (see page 3)
• Pressing one of the source buttons also turns on the System and starts playing back if the source is ready or connected.
• You cannot use the Sound Mode and Sound Turbo at the same time.

Playing Back a Disc/USB Mass Storage Class Device
(see page 4)
• This System cannot play "packet write" discs.
• For MP3/WMA playback...
  – In this manual, "file" and "track" are interchangeably used.
  – This System can show the Tag data (Version 1).
  – 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 result 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> or <.wma> (regardless of the letter case—upper/lower).
  – 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 cannot play back a file at a bit rate of less than 64 kbps.
  – Playback order of MP3/WMA tracks may be different from the one you have intended while recording. If a folder (group) does not include MP3/WMA tracks, they are ignored.
  – This System can play back a file larger than 2 Gigabytes.
• Do not use the following USB mass storage class devices...
  – Whose rating is other than 5 V and exceeds 500 mA.
  – Equipped with special functions such as data security functions.
  – Divided by 2 or more partitions.
• For the USB mass storage class device playback...
  – When connecting a USB mass storage class device, also refer to its manual.
  – Connect one USB mass storage class device to the System at a time. Do not use a USB hub.
  – This System is compatible with USB 2.0 Full Speed.
  – You can play back MP3/WMA files in a USB mass storage class device (maximum data transfer rate: 2 Mbps).
  – You cannot play back a file larger than 2 Gigabytes.
  – This System may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management)
• This System can recognize up to 255 groups in a disc. The total number of groups and tracks (in a disc) that can be recognized by the System is 512 (for MP3/WMA).
• This System can recognize up to 99 groups and 999 tracks (with a maximum number of 255 tracks in a group) in a USB mass storage class device.

Listening to an iPod/Viewing Images on the iPod (see page 5)
• Compatible iPod:

iPod model	Audio	Video
iPod nano 1GB/2GB/4GB	✓	–
iPod nano (2nd Generation) 2GB/4GB/8GB	✓	–
iPod nano (3rd Generation) 4GB/8GB	✓	✓
iPod nano (4th Generation) 8GB/16GB	✓	✓
iPod mini 4GB/6GB	✓	–
iPod mini (2nd Generation) 4GB/6GB	✓	–
iPod (4th Generation) 20GB/40GB	✓	✓
iPod classic 80GB/160GB	✓	✓
iPod photo (4th Generation) 20GB/30GB/40GB/60GB	✓	✓
iPod video (5th Generation) 30GB/60GB/80GB	✓	✓
iPod touch 8GB/16GB	✓	✓
iPod touch (2nd Generation) 8GB/16GB	✓	✓

• If incompatible iPod is connected, the iPod may not be operated from the System.
• When an iPod is connected to the System, the battery in the iPod is charged through the iPod terminal (except when the ECO Mode is activated).
• Sound distortion may occur when playing back audio sources with high recording levels. When distortion occurs, it is recommended to turn off the equalizer of the iPod. For information on operating the iPod, see the iPod instruction manual.
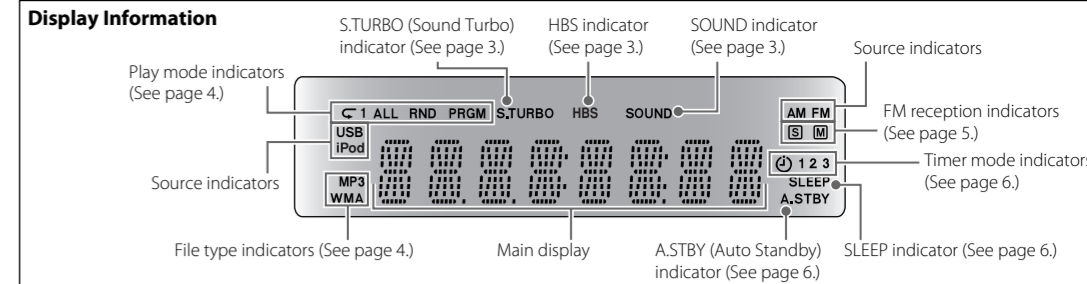
Setting the Clock and Using Timers (see page 6)
• You cannot set the clock and Daily Timer while the ECO (Ecology) Mode is activated.
• The clock may gain or lose 1 to 2 minutes per month. If this happens, adjust the clock.
• When you unplug the AC power cord or if a power failure occurs, the clock and the timer will be canceled. You need to set the clock first, then the timer again.

Timer Priority:
• If you activate the Sleep Timer after Daily Timer starts playing the selected source, Daily Timer is canceled.

Display Information

S.TURBO (Sound Turbo) indicator (See page 3.)
HBS indicator (See page 3.)
SOUND indicator (See page 3.)
Source indicators
FM reception indicators (See page 5.)
Timer mode indicators (See page 6.)
Play mode indicators (See page 4.)
Source indicators
File type indicators (See page 4.)
Main display
A.STBY (Auto Standby) indicator (See page 6)
SLEEP indicator (See page 6.)

Troubleshooting

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

General
Power does not come on.
➡ Power plug is not inserted securely. Plug in securely.

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.
➡ The batteries are exhausted.

No sound is heard.
➡ Speaker connections are incorrect or loose.
➡ Headphones are connected.

The System does not work properly.
➡ Many functions of this System are implemented by microcomputers. If the System does not work correctly, disconnect the AC power cord from the wall outlet, wait for a while, and connect the cord again.

Disc/USB Mass Storage Class Device Operations
The disc/USB mass storage class device does not play.
➡ The disc is placed upside down. Place the disc with the label side up.
➡ The USB mass storage class device is not connected properly.

MP3/WMA groups and tracks are not played back as you expect.
➡ Playing order is determined when the groups and tracks were recorded. It depends on the writing application.

The disc/USB mass storage class device sound is discontinuous.
➡ The disc is scratched or dirty.
➡ MP3/WMA files have not been properly copied into the USB mass storage class device.

Sounds from USB mass storage class device are interrupted.
➡ Noise and static electricity may stop the sound. In this case, disconnect and connect the USB mass storage class device again after turning off the System.

The disc tray does not open or close.
➡ The AC power cord is not plugged in.
➡ Disc ejection is prohibited (see page 4).

iPod Operations
The iPod does not play, but "CONNECT" appears on the display.
➡ The iPod battery is low or exhausted. Charge the iPod battery.

The video/picture from the iPod is not displayed on the monitor.
➡ The video settings on the iPod is incorrect. Refer to the instruction manual for the iPod.

Radio Operations
Hard to listen to broadcasts because of noise.
➡ Antenna connections are incorrect or loose.
➡ The AM loop antenna is too close to the System.
➡ The FM antenna is not properly extended and positioned.
➡ Electrostatic discharge from your body may cause noise. If this happens, turn off and on the System again.

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.

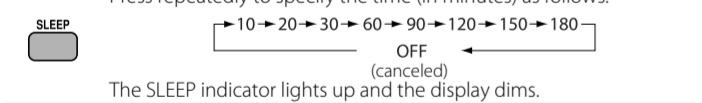# Setting the Clock and Using Timers

■ Setting the Clock

Without setting the built-in clock, you cannot use Daily Timer.
• To go back to the previous step, press MENU/CANCEL.

1 CLOCK — Press to activate the clock setting mode.

AM 12:00

2 ►►I or I◄◄ — Adjust the hour, then the minute.

■ Setting the Sleep Timer

Press repeatedly to specify the time (in minutes) as follows:

SLEEP → 10 → 20 → 30 → 60 → 90 → 120 → 150 → 180 → OFF (canceled)

The SLEEP indicator lights up and the display dims.

To check the remaining time until the System shuts off, press SLEEP once.

■ Turning Off the System Automatically —Auto Standby function (only for Disc/USB/iPod)

AUTO STBY — Press to activate the Auto Standby.
• The A.STBY indicator lights up.
• The A.STBY indicator starts flashing after playback stops.
If no operation is done for about 3 minutes, the System turns off.

To cancel this function, press the button again.

■ Setting the Daily Timer

Using Daily Timer, you can wake up with your favorite music.
• You can store three Daily Timer settings; however, you can activate only one of the Daily Timers.
• To correct a misentry during the process, press MENU/CANCEL. You can return to the previous step.

1 TIMER — Press repeatedly to select one of the timer you want to set—TIMER-1, TIMER-2, or TIMER-3.
→ TIMER-1 → TIMER-2 → TIMER-3 → Canceled

2 SET

3 ►►I or I◄◄
① Adjust the hour then the minute for on-time.
② Adjust the hour then the minute for off-time.
③ Select the playback source—"DISC," "USB HOST," "TUNER FM," "TUNER AM," "AUDIO IN," or "IPOD."
④ For "TUNER FM" or "TUNER AM": Select a preset channel.*
For "DISC" or "USB HOST": Select a track. (For MP3/WMA: Select the group, then the track number.)
⑤ Select the volume.

4 Turn off the System (on standby).
• When the on-time comes, the System starts playing the specified source and sets the volume gradually to the preset level.

* If no preset channel is stored, "NOMEMORY" appears. When the on time comes, the System tunes in to the station last tuned in.

To exit from the timer setting, press TIMER as required.

To Turn Off the Daily Timer
① TIMER — Press repeatedly to select "TIMER-1," "TIMER-2," or "TIMER-3."
② MENU/CANCEL

To turn on the Daily Timer again, select one of the timer settings by pressing TIMER, then press SET.

Precautions

Notes on the power cord
• When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet.
• When unplugging the System from the wall outlet, always pull the plug, not the power cord.
• Do not handle the power cord with wet hands.
• Disconnect the power cord before cleaning the System or moving the System.
• Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents.
• If the cord is damaged, consult a dealer and have the power cord replaced with a new one.

Avoid moisture, water, dust, and high temperatures
• Do not place the System in moist or dusty places.
• If water gets inside the System, turn off the power and remove the plug from the wall outlet, then consult your dealer. Using the System in this state may cause a fire or electrical shock.
• Do not expose the System to direct sunlight or place it near a heating device.

Notes on installation
• Select a place which is level, dry and neither too hot nor too cold—between 5°C (41°F) and 35°C (95°F).
• Do not install the System in a place subject to vibrations.
• Do not put heavy objects on the System.

To prevent malfunction or damage of the System
• Do not insert any metallic objects, such as wires, hairpins, coins, etc. into the System.
• Do not block the vents.

There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.

Maintenance

To get the best performance of the System, keep your discs 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.
• 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.

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, 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:
60 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion
Speakers/Impedance: 8 Ω – 16 Ω
Audio input: AUDIO IN: 500 mV/50 kΩ (at "NORMAL") 250 mV/50 kΩ (at "HIGH")
Digital input: USB

Tuner section
FM tuning range: 87.5 MHz - 108.0 MHz
AM tuning range: 530 kHz - 1 710 kHz

Disc player section
Dynamic range: 80 dB
Signal-to-noise ratio: 85 dB
Wow and flutter: Immeasurable

USB storage
USB specification: Compatible with USB 2.0 Full Speed
Compatible device: Mass storage class
Compatible file system: FAT16, FAT32
Bus power supply: DC 5 V ⎓ 500 mA

iPod section
iPod output power: DC 5 V ⎓ 500 mA
VIDEO OUT: Composite

General
Power requirements: AC 120 V ∿, 60 Hz
Power consumption: 36 W (power on) 5 W (standby mode) 1 W or less (ECO Mode)
Dimensions (W x H x D): 165 mm x 250 mm x 272 mm (6 1/2 inches x 9 7/8 inches x 10 3/4 inches)
Mass: 3.5 kg (7.8 lbs)

Speakers
Speaker units: 4 cm (1-5/8 inches) cone x 1 12 cm (4-3/4 inches) cone x 1
Impedance: 8 Ω
Dimensions (approx.): 140 mm x 250 mm x 183 mm (W x H x D) (5 9/16 inches x 9 7/8 inches x 7 1/4 inches)
Mass (approx.): 1.8 kg (4.0 lbs) each

Specifications and appearance are subject to change without prior notice.

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.

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

BT-51018-5
(0306)

JVC

MICRO COMPONENT SYSTEM
UX-GN5
—Consists of CA-UXGN5 and SP-UXGN5

COMPACT DISC DIGITAL AUDIO
MP3/WMA
USB Music Clipping

Radio Data System

Warnings, Cautions and Others

CAUTION
The ⏻ button in any position does not disconnect the mains line.
Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off).
The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
• 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.

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.

Dear Customer,
This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.

European representative of Victor Company of Japan, Limited is:
JVC Technical Services Europe GmbH
Postfach 10 05 04
61145 Friedberg
Germany

IMPORTANT for the U.K.
DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.
BE SURE to replace the fuse only with an identical approved type, as originally fitted.
If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.
If this product is not supplied fitted with a mains plug then follow the instructions given below:
IMPORTANT:
DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.
The wires in the mains lead on this product are coloured in accordance with the following code:
Blue: Neutral
Brown: Live
As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
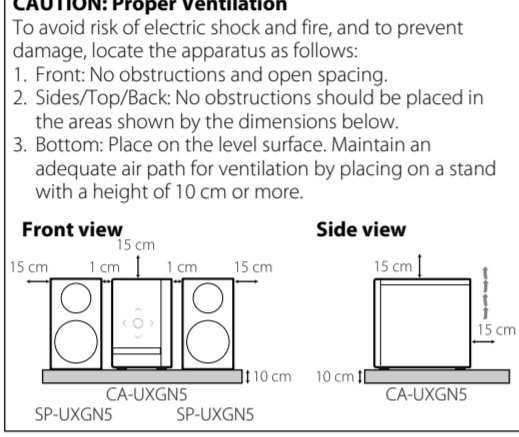The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
IF IN DOUBT - CONSULT A COMPETENT ELECTRICIAN.

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

Front view / Side view
15 cm 1 cm 15 cm 15 cm 15 cm
CA-UXGN5 SP-UXGN5 SP-UXGN5
10 cm 10 cm CA-UXGN5

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

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

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:** 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.

| CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. [ENG] | ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M EN CAS D'OUVERTURE. NE PAS REGARDER DIRECTEMENT À L'AIDE D'INSTRUMENTS OPTIQUES. [FRA] | AVISO RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO SE ABRE. NO MIRAR DIRECTAMENTE CON INSTRUMENTOS ÓPTICOS. [SPA] | WARNING EPĀLĀS ODHVELLER OPTINĀ KLĀSE 1M, WENN ANGESCHAUT. NICHT MIT OPTISCHEN INSTRUMENTEN BETRACHTEN. [GER] | CAUTION 注意 C級1M(可見及/或不可見)雷射輻射當打開時請勿以光學儀器直視 [CHI] | CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. [LAS4] |

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.

Precautions

Notes on the power cord
• When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet.
• When unplugging the System from the wall outlet, always pull the plug, not the power cord.
• Do not handle the power cord with wet hands.
• Disconnect the power cord before cleaning the System or moving the System.
• Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents.
• If the cord is damaged, consult a dealer and have the power cord replaced with a new one.

Avoid moisture, water, dust, and high temperatures
• Do not place the System in moist or dusty places.
• If water gets inside the System, turn off the power and remove the plug from the wall outlet, then consult your dealer. Using the System in this state may cause a fire or electrical shock.
• Do not expose the System to direct sunlight or place it near a heating device.

Notes on installation
• Select a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
• Do not install the System in a place subject to vibrations.
• Do not put heavy objects on the System.

To prevent malfunction or damage of the System
• Do not insert any metallic objects, such as wires, hairpins, coins, etc. into the System.
• Do not block the vents.

There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.

1

Information for Users on Disposal of Old Equipment and Batteries

[European Union]
These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the Directive 2002/96/EC and 2006/66/EC.

By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of these products.

For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.
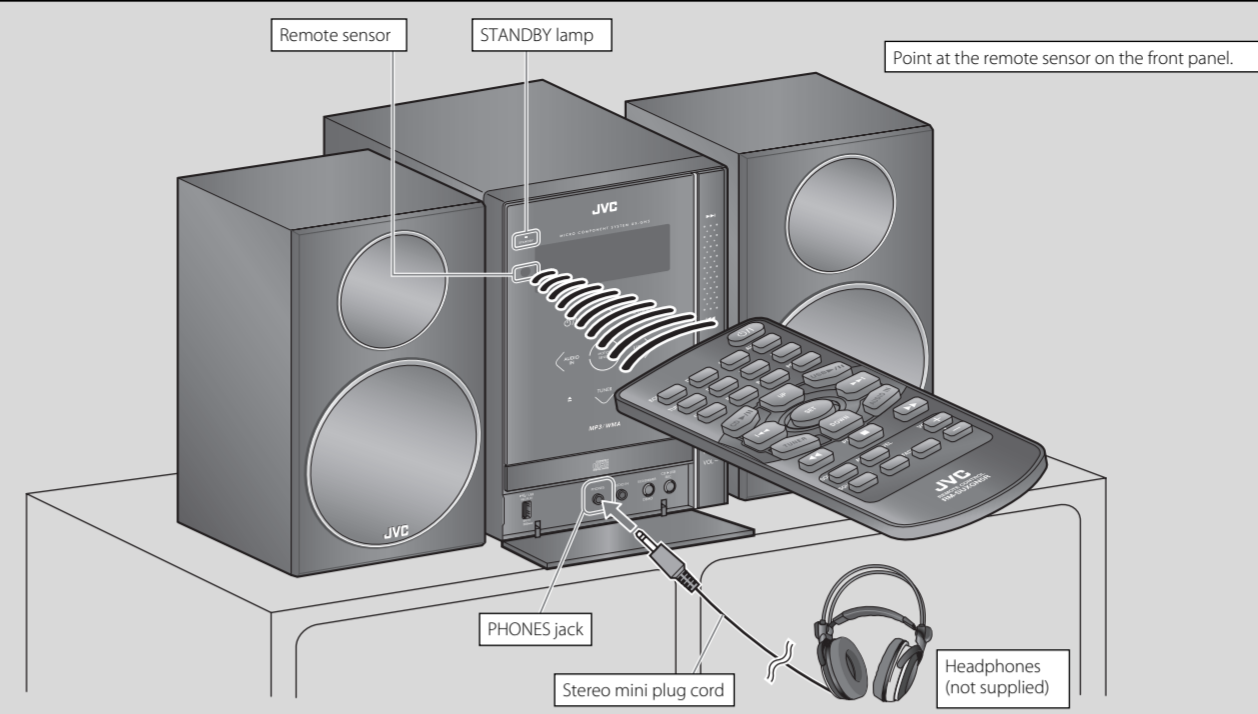
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

[Business users]
If you wish to dispose of this product, please visit our web page http://www.jvc.eu/ to obtain information about the take-back of the product.

[Other Countries outside the European Union]
These symbols are only valid in the European Union.
If you wish to dispose of these items, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment and batteries.

Products

Battery

Notice:
The sign Pb below the symbol for batteries indicates that this battery contains lead.

Basic and Common Operations

The operations on pages 4 to 6 are explained using the remote control, unless mentioned otherwise. However, if the System has the same or similar button names, they can also be used for the operations.

Remote sensor   STANDBY lamp   Point at the remote sensor on the front panel.
PHONES jack   Stereo mini plug cord   Headphones (not supplied)

To	Press — Main unit	Press — Remote	Indication/Result
Turn on or off (standby) the power	⏻/I	⏻/I	The STANDBY lamp on the System turns off/on.
Select a source	CD	CD ▶/II	See "Playing Back a Disc/USB Mass Storage Class Device" on page 4.
	USB	USB ▶/II	
	TUNER	TUNER	Press repeatedly to select "FM" or "AM" as the source. • See "Listening to FM and AM Broadcasts" on page 5.
	AUDIO	AUDIO IN	See "Listening to Other Equipment" on page 5.
Adjust the volume	VOL +	VOLUME + −	—
Drop the volume in a moment	—	FADE MUTING	To restore the volume, press again, or adjust the volume level.
Select the Sound Mode	—	SOUND MODE	Press repeatedly to select the desired Sound Mode. The SOUND indicator lights up. ROCK → POPS → CLASSIC → JAZZ → FLAT → SAMBA → SALSA → REGGAE (canceled)
Emphasize the sound (Sound Turbo)	S.TURBO	SOUND TURBO	The S.TURBO indicator lights up. To cancel this function, press again.
Reinforce the bass sound (Hyper Bass Sound)	—	HBS	The HBS indicator lights up. • When Sound Turbo function is activated (see above), the HBS indicator goes off and HBS button does not work. To cancel this function, press again.
Change the display brightness	ECO/DIMMER DEMO	ECO DIMMER	Press repeatedly when the System is turned on. DIM ON → DIM OFF (canceled)
Turn off the display while on standby	ECO/DIMMER DEMO	ECO DIMMER	Press repeatedly while the System is on standby. DISP OFF → ECO ON → Clock. DISP OFF: Turns off the display with the motion sensor on. ECO ON: Turns on the ECO (Ecology) Mode. ECO Mode reduces power consumption while the System is on standby by turning off the display and motion sensor.

Display Demonstration
When you plug in the System, the display demonstration automatically starts.
To cancel the display demonstration, press and hold DEMO until "DEMO CLR" is displayed while the System is on standby.
• When the ECO Mode is activated, the display demonstration does not work (and you cannot deactivate it).
• When the display demonstration is activated, it also starts if no operation is done for about 2 minutes while the System is turned on.

Laser Touch Operation
You can use |◀◀/▶▶| and VOL +/− on the front panel by sliding your finger up or down on the illumination.
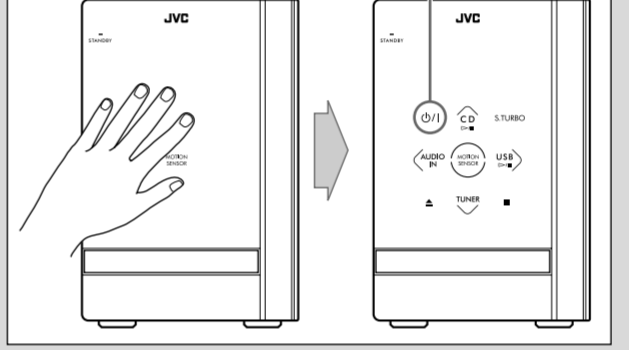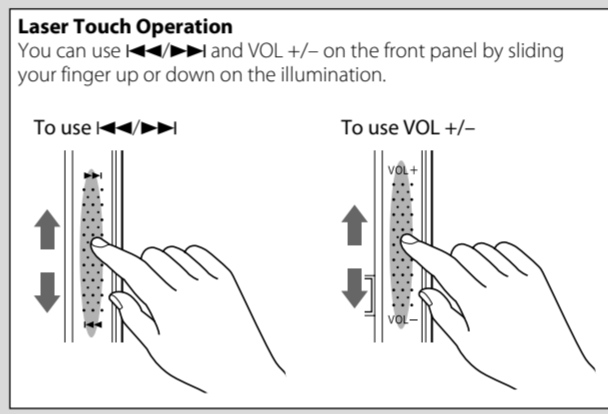
To use |◀◀/▶▶| To use VOL +/−

Using Headphones
Be sure to turn down the volume before connecting or putting on the headphones.
• Connecting the headphones will deactivate the speakers.
• Sound adjustments also affect the sound through the headphones.

Motion Sensor on the Front Panel
When you move your hand close to the front panel while the System is on standby, the controls on the front panel illuminate.
• When no operation is done for about 5 seconds, the illumination turns off.
• When the ECO Mode is activated, the motion sensor does not work.

Touch to turn on the System.

NOTE:
DO NOT turn off (standby) 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.
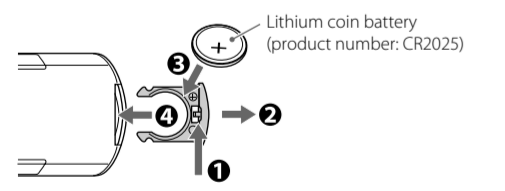
3

Getting Started

■ Supplied Accessories
After unpacking, check to be sure that you have all the following items.
• Remote control, RM-SUXGN5R (× 1)
• Lithium coin battery (× 1: installed in the remote control)
• AM loop antenna (× 1)
• FM antenna (× 1)
If anything is missing, consult your dealer immediately.

■ Prepare the Remote Control
When you use the remote control for the first time, pull out the insulation sheet.

Insulation sheet

To Replace the Battery in the Remote Control
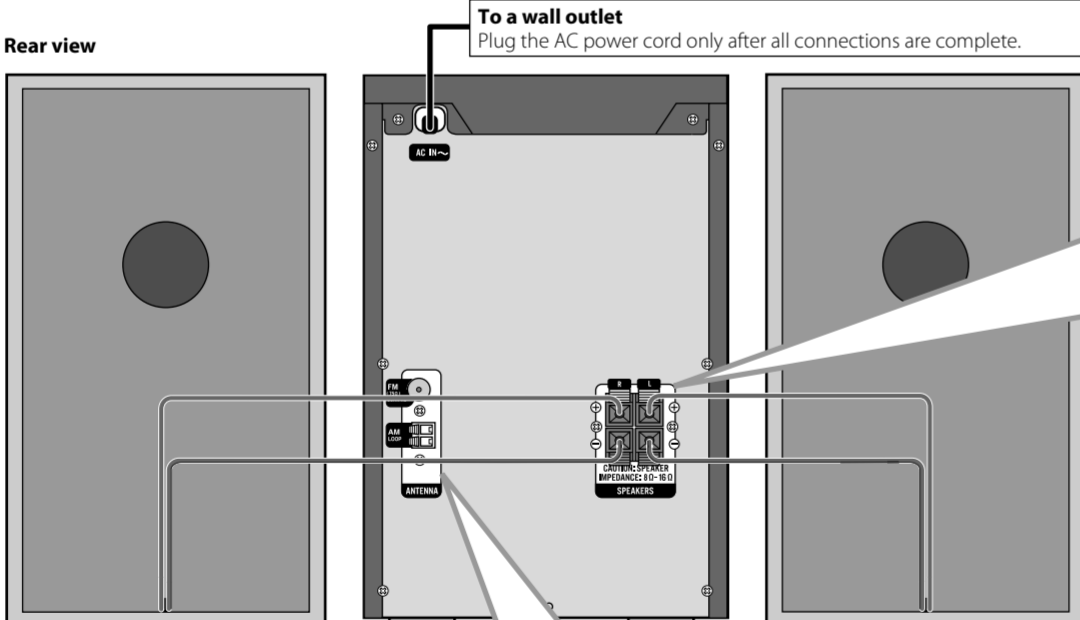Lithium coin battery (product number: CR2025)

NOTES:
• Store the battery in a place where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
• To prevent the battery from overheating, cracking, or starting a fire:
– Do not recharge, short, disassemble or heat the battery or dispose of it in a fire.
– Do not leave the battery with other metallic materials.
– Wrap the battery with tape and insulate when throwing away or saving it.
– Do not poke the battery with tweezers or similar tools.
• Dispose of battery in the proper manner, according to federal, state, and local regulations.

CAUTION:
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

■ Connections

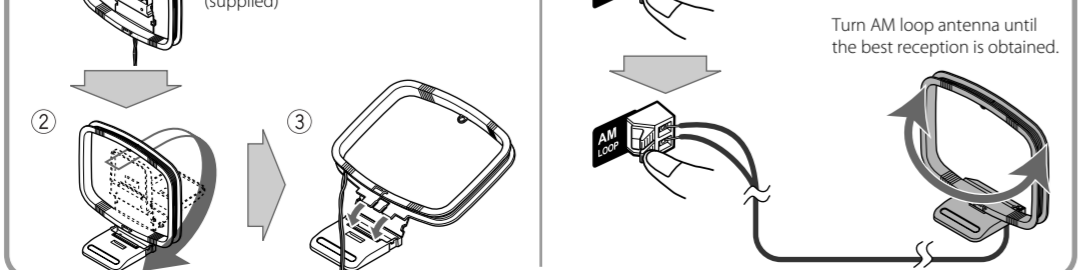**Do not connect the AC power cord until all other connections have been made.**

Rear view

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

To connect the speaker cords
Press and hold
Release
Insert

To connect the FM antenna (supplied)
Extend it so that you can obtain the best reception.
FM antenna (supplied)

For better FM reception
Disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 Ω wire with coaxial type connector (IEC or DIN45325).
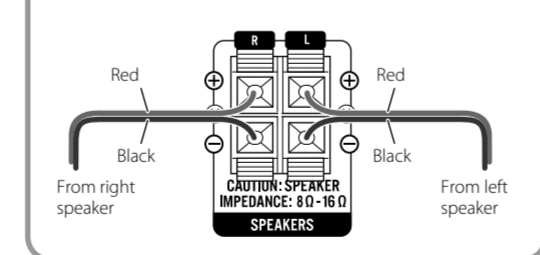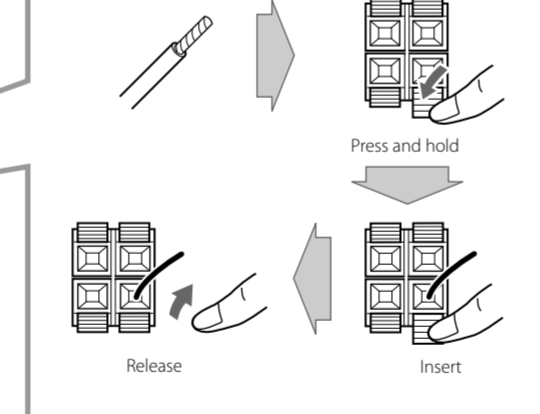Outdoor FM antenna (not supplied)

To assemble the AM loop antenna (supplied)
AM loop antenna (supplied)

To connect the AM loop antenna
Turn AM loop antenna until the best reception is obtained.

To connect the speaker cords
Red   Red
Black   Black
From right speaker   From left speaker
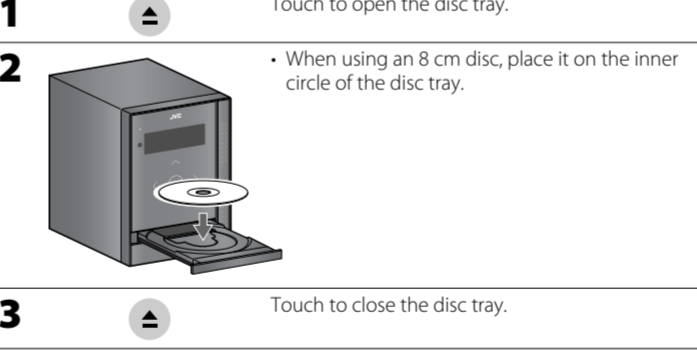CAUTION: SPEAKER IMPEDANCE: 8 Ω - 16 Ω
SPEAKERS

NOTES:
• 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.
• Keep the AM loop antenna cable wrapped around the AM loop antenna frame, otherwise the effectiveness and sensitivity of the AM loop antenna may be reduced.
• Make sure both the speakers are connected correctly and firmly.
• When connecting the speaker cords, match the polarity of the speaker terminals: red color to (+) and black color to (–).
• 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.

2

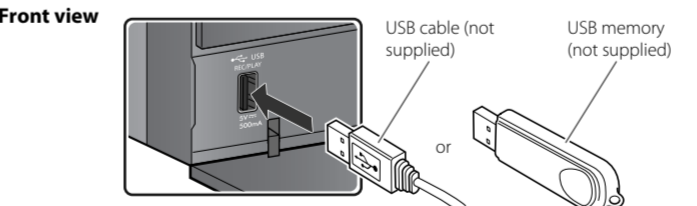# Playing Back a Disc/USB Mass Storage Class Device

This System can play back...
– CD.
– CD-R/CD-RW recorded in audio CD format (CD-DA) or recorded MP3/WMA files in ISO 9660 format.
– USB mass storage class device containing MP3/WMA files.
• When playing back an MP3 or WMA track, corresponding indicator lights up.

■ Basic Disc/USB Mass Storage Class Device Operations

To	Press	Indication/Result
Play back the disc	CD ▶/II	• During playback, press again to pause.
Play back the USB mass storage class device	USB ▶/II	
Stop playback	PTY SEARCH ■	• While playback is stopped, total track number and total playing time (for MP3/WMA files, group number and track number) appear.
Select a track	▶▶|	Select the next tracks.
	|◀◀	To go back to the beginning of the current or previous tracks.
Select a group (MP3/WMA only)	UP	Select the next groups.
	DOWN	Select the previous groups.
Forward search/ Reverse search	▶▶	Press and hold to fast-forward the track during playback.
	◀◀	Press and hold to fast-reverse the track during playback.
Change the display information	DISPLAY	(only for USB) Press repeatedly.

NOTES:
• If no disc is inserted or no USB mass storage class device is connected, "NO DISC" or "NO USB" appears on the main display.
• If MP3/WMA files are not recorded on the disc or in the USB mass storage class device, "NO PLAY" appears on the main display.

■ Loading a Disc (on the System only)
1 Touch to open the disc tray.
2 • When using an 8 cm disc, place it on the inner circle of the disc tray.
3 Touch to close the disc tray.

■ Connecting a USB Mass Storage Class Device
You can connect a USB mass storage class device such as a USB flash memory device, MP3 player, multimedia card reader, etc. to the System.
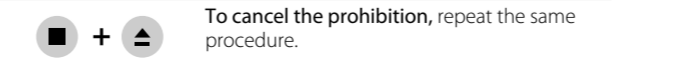
Front view
USB cable (not supplied)   USB memory (not supplied)
or

NOTES:
• When connecting with a USB cable, use the USB 2.0 cable whose length is less than 1 m.
• USB mass storage class device is charged through the USB REC/PLAY terminal when the System is turned on and the source is "USB."
• You cannot connect a computer to the USB REC/PLAY terminal of the System.
• Do not disconnect the USB mass storage class device when the System is turned on. It may cause malfunction of both this System and the device.
• Noise and static electricity may stop the USB mass storage class device sound. In this case, disconnect the USB mass storage class device and connect it again after turning off the System.
• Depending on the shape of USB mass storage class device, the USB terminal may be fully inserted into the USB REC/PLAY terminal on the System. In such a case, use a USB extension cable (not supplied) to connect.

■ Prohibiting Disc Ejection (on the System only)
You can lock the disc tray so that no one can eject the loaded disc.
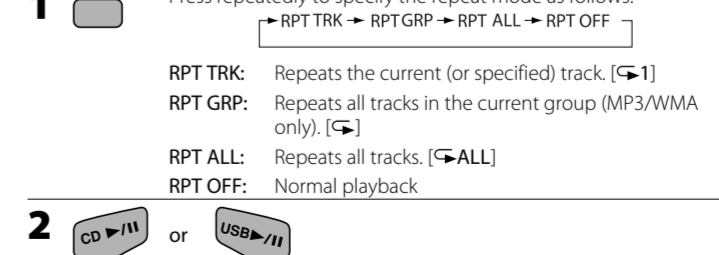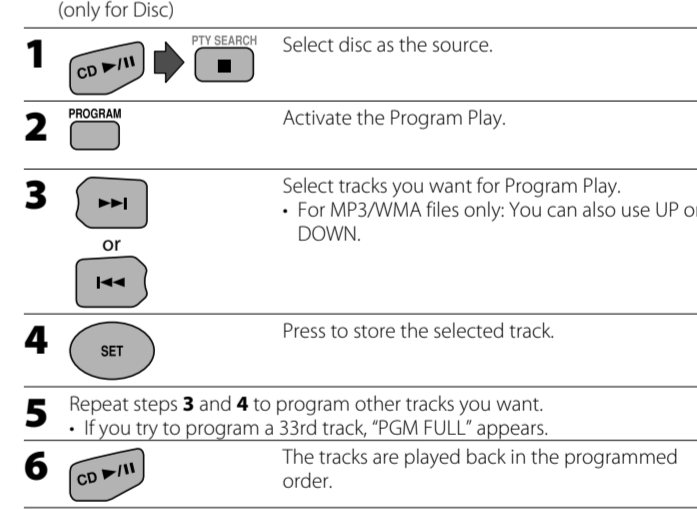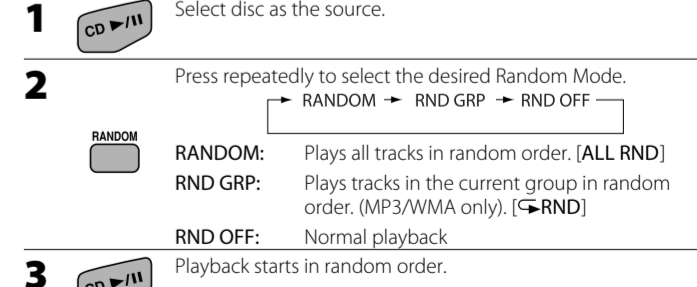While the System is on standby...
■ + ⏏
To cancel the prohibition, repeat the same procedure.

■ Programming the Playing Order—Program Play
(only for Disc)
1 CD ▶/II [PTY SEARCH ■] Select disc as the source.
2 PROGRAM Activate the Program Play.
3 ▶▶| or |◀◀ Select tracks you want for Program Play. • For MP3/WMA files only: You can also use UP or DOWN.
4 SET Press to store the selected track.
5 Repeat steps **3** and **4** to program other tracks you want. • If you try to program a 33rd track, "PGM FULL" appears.
6 CD ▶/II The tracks are played back in the programmed order.

Operations for Program Play (while not playing)
• To check the programmed contents, press |◀◀ or ▶▶|.
• To add tracks, repeat steps **3** and **4** above.
• To erase the entire program, press and hold CANCEL for about 2 seconds.
• To exit from Program Play, press PROGRAM or ■.
– The stored program is kept.

■ Playing at Random—Random Play (only for Disc)
1 CD ▶/II Select disc as the source.
2 RANDOM Press repeatedly to select the desired Random Mode.
RANDOM → RND GRP → RND OFF
RANDOM: Plays all tracks in random order. [ALL RND]
RND GRP: Plays tracks in the current group in random order. (MP3/WMA only). [GRND]
RND OFF: Normal playback
3 CD ▶/II Playback starts in random order.

Operations for Random Play
• To skip a track, press ▶▶|.
• To go back to the beginning of the current track, press |◀◀.

■ Playing Repeatedly—Repeat Play
1 REPEAT Press repeatedly to specify the repeat mode as follows:
RPT TRK → RPT GRP → RPT ALL → RPT OFF
RPT TRK: Repeats the current (or specified) track. [1]
RPT GRP: Repeats all tracks in the current group (MP3/WMA only). []
RPT ALL: Repeats all tracks. [ALL]
RPT OFF: Normal playback
2 CD ▶/II or USB ▶/II

4

Listening to FM and AM Broadcasts

■ Basic Tuner Operations

To	Press	Indication/Result
Select FM or AM	TUNER	Press repeatedly. • The selected frequency band appears.
Select a frequency	►►I or I◄◄	Press and hold for more than 2 seconds. The System starts searching for stations and stops when a station of sufficient signal strength is tuned in. • Press during searching to stop. • Press repeatedly to change the frequency step by step.
Tune in to a preset station • For presetting stations, see the right column.	UP or DOWN	Press repeatedly to select its preset number.
Change the FM reception mode (When an FM stereo broadcast is hard to receive)	TUNER MODE	Press to improve reception. The M (mono) indicator lights up. Stereo effect will be lost. To restore the stereo effect, press again. The S (stereo) indicator lights up.

■ Presetting Stations

You can preset 30 FM and 15 AM stations manually.

1 Tune in to a station you want to preset.
• You can also store the FM reception mode.

2 SET — Press to activate the preset number entry mode.
• Finish the following steps while the indication on the display is flashing.

3 UP or DOWN — Press to select a preset number for the station you want to store.

4 SET — Press to store the station.

■ Receiving FM Stations with Radio Data System

Radio Data System allows FM stations to send an additional signal along with their regular program signals.
With the System, you can receive the following types of Radio Data System signals.

PS (Program Service): Shows commonly known station names.

PTY (Program Type): Shows types of broadcast programs.

RT (Radio Text): Shows text messages the station sends.

NOTE:
If you want to know more about Radio Data System, visit <http://www.rds.org.uk>.

■ Changing the Radio Data System Information

Each time you press the button, the information changes as follows:

DISPLAY

┌→ PS → PTY → RT ┐
└──── Frequency ◄────┘
(No Radio Data System signal)

NOTE:
If no Radio Data System signals are sent by a station, "NO PS," "NO PTY," or "NO RT" appears.

■ Searching for Programs by PTY Codes (PTY Search)

You can locate a particular kind of program from the preset stations (see the left column) by specifying the PTY codes.

1 PTY SEARCH — Press to enter the PTY code setting mode.
The PTY code and "SELECT" appear alternately.

2 UP or DOWN — Select a PTY code.

3 PTY SEARCH — The System searches for 30 preset FM stations, stops when it finds the one you have selected, and tunes in to that station.

• To stop searching, press PTY SEARCH.
• To continue searching after it stops on an unwanted station, press PTY SEARCH while the indications on the display are flashing.
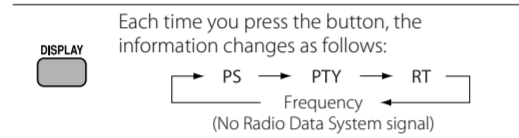
NOTE:
If no program is found, "NOTFOUND" appears.

Listening to Other Equipment

Front view

Digital Audio Player, etc.

Stereo mini plug cord (not supplied)

To audio output (or headphone out, etc.)

1 VOLUME + − — Turn the volume to minimum.

2 AUDIO IN — Press to select "AUDIO IN."

3 Start playing the connected equipment.

4 VOLUME + − — Adjust the volume.

To Preset the Audio Input Level

If the sound from the equipment connected to the AUDIO IN jack is too loud or too quiet, you can change the audio input level through the AUDIO IN jack (without changing the volume level).

Press repeatedly to select the level as follows:

AUDIO IN LEVEL

┌→ NORMAL → HIGH ┐
└──────────────────┘

NORMAL: Ordinary input level.
HIGH: Increases the input level.

Learning More about This System

Basic and Common Operations (see page 3)

• Pressing one of the source buttons also turns on the System and starts playing back if the source is ready or connected.
• You cannot use the Sound Mode and Sound Turbo at the same time.

Playing Back a Disc/USB Mass Storage Class Device (see page 4)

• This System cannot play "packet write" discs.
• For MP3/WMA playback...
  – In this manual, "file" and "track" are interchangeably used.
  – This System can show the Tag data (Version 1).
  – 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 result 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> or <.wma> (regardless of the letter case—upper/lower).
  – 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 cannot play back files made at a bit rate of less than 64 kbps.
  – Playback order of MP3/WMA tracks may be different from the one you have intended while recording. If a folder (group) does not include MP3/WMA tracks, they are ignored.
• Do not use the following USB mass storage class devices...
  – Whose rating is other than 5 V and exceeds 500 mA.
  – Equipped with special functions such as data security functions.
  – Divided by 2 or more partitions.

• For the USB mass storage class device playback...
  – When connecting a USB mass storage class device, also refer to its manual.
  – Connect one USB mass storage class device to the System at a time. Do not use a USB hub.
  – This System is compatible with USB 2.0 Full Speed.
  – You can play back MP3/WMA files in a USB mass storage class device (maximum data transfer rate: 2 Mbps).
  – You cannot play back a file larger than 2 Gigabytes.
  – This System may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management).
• This System can recognize up to 255 groups in a disc. The total number of groups and tracks (in a disc) that can be recognized by the System is 512 (for MP3/WMA).
• This System can recognize up to 99 groups and 999 tracks (with a maximum number of 255 tracks in a group) in a USB mass storage class device.

Setting the Clock and Using Timers (see page 6)

• You cannot set the clock and Daily Timer while the ECO (Ecology) Mode is activated.
• The clock may gain or lose 1 to 2 minutes per month. If this happens, adjust the clock.
• When you unplug the AC power cord or if a power failure occurs, the clock and the timer will be canceled. You need to set the clock first, then the timer again.

Timer Priority:
• If you activate the Sleep Timer after Daily Timer starts playing the selected source, Daily Timer is canceled.

Display Information

Play mode indicators (See page 4.)

HBS indicator (See page 3.)

S.TURBO (Sound Turbo) indicator (See page 3.)

SOUND indicator (See page 3.)

Source indicator

Source indicators

REC indicator (See page 6.)

[CD ALL RND PRGM S.TURBO HBS SOUND] [AM FM]

USB / REC / MP3 WMA

SLEEP / A.STBY

1 2 3

FM reception indicators (See page 5.)

Timer mode indicators (See page 6.)

File type indicators (See page 4.)

Main display

A.STBY (Auto Standby) indicator (See page 6.)

SLEEP indicator (See page 6.)

Troubleshooting

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

General

Power does not come on.
➡ Power plug is not inserted securely. Plug in securely.

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.
➡ The batteries are exhausted.

No sound is heard.
➡ Speaker connections are incorrect or loose.
➡ Headphones are connected.

The System does not work properly.
➡ Many functions of this System are implemented by microcomputers. If the System does not work correctly, disconnect the AC power cord from the wall outlet, wait for a while, and connect the cord again.

Disc/USB Mass Storage Class Device Operations

The disc/USB mass storage class device does not play.
➡ The disc is placed upside down. Place the disc with the label side up.
➡ The USB mass storage class device is not connected properly.

MP3/WMA groups and tracks are not played back as you expect.
➡ Playing order is determined when the groups and tracks were recorded. It depends on the writing application.

The disc/USB mass storage class device sound is discontinuous.
➡ The disc is scratched or dirty.
➡ MP3/WMA files have not been properly copied into the USB mass storage class device.

Sounds from USB mass storage class device are interrupted.
➡ Noise and static electricity may stop the sound. In this case, disconnect and connect the USB mass storage class device again after turning off the System.

The disc tray does not open or close.
➡ The AC power cord is not plugged in.
➡ Disc ejection is prohibited (see page 4).

Radio Operations

Hard to listen to broadcasts because of noise.
➡ Antenna connections are incorrect or loose.
➡ The AM loop antenna is too close to the System.
➡ The FM antenna is not properly extended and positioned.
➡ Electrostatic discharge from your body may cause noise. If this happens, turn off and on the System again.

Recording and Editing Operations

Unable to record into the USB device.
➡ The capacity of the USB device is full. Erase some tracks.
➡ You have recorded 999 tracks or groups on the USB mass storage class device. Erase unwanted tracks.
➡ The USB mass storage class device is write-protected.
➡ The USB mass storage class device you connected is incompatible to this System.

Display Messages for Recording Operations

NODEVICE
• No USB mass storage class device is connected or the connected USB mass storage class device is not compatible with this System.

D. (data) FULL
• The capacity of the USB mass storage class device is full.

FILEFULL
• The USB mass storage class device has exceeded the maximum number of files it can support.

W. (write) PROT
• The USB mass storage class device is write-protected.

SCMS VLT (violation)
• You have tried to copy from a duplicated disc to the USB mass storage class device.

D. (device) FAIL
• The System failed to read the USB mass storage class device.

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.
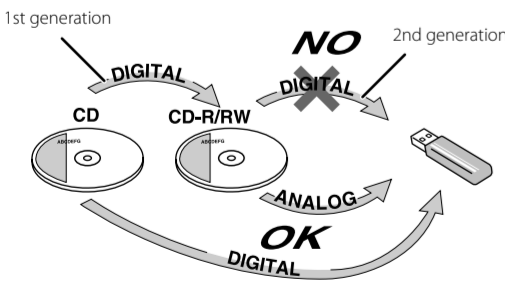

Recording Operations

Before You Start recording

• 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 program and in any literary, dramatic, musical, or artistic work embodied therein.
• The recording level is not affected by the volume.
• Hyper Bass Sound and Sound Turbo (see page 3) do not affect recordings.
• You can record up to 999 tracks per group to the USB mass storage class device. If you try to record a track after recording 999 tracks, "FILEFULL" appears on the display and the track will not be recorded.
• The tracks which are recorded to the USB mass storage class device will be converted into MP3 format (bit rate: 128 kbps).
• You cannot start recording into a USB mass storage class device while "READING" is shown on the display.
• Do not disconnect a USB mass storage class device while playing or recording. It may cause malfunction.
• During recording, the Random Play and Repeat Play will be cancelled.
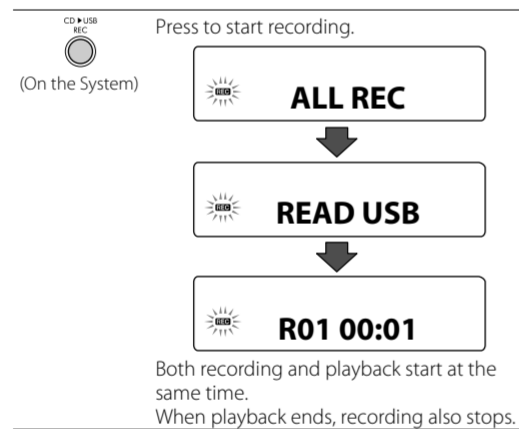
About SCMS (Serial Copy Management System)

The System uses the Serial Copy Management System which allows only first-generation digital copies to be made of prerecorded software such as regular CDs.
If you try to record from a duplicated disc into the USB mass storage class device, "SCMS VLT" appears on the display.

1st generation   2nd generation

DIGITAL → NO DIGITAL

CD   CD-R/RW

ANALOG

OK

DIGITAL

■ Recording from a Disc

You can record tracks digitally from a CD onto the USB mass storage class device.
• Do not vibrate the System while recording tracks. It may damage the recorded tracks.

CD→USB REC (On the System) — Press to start recording.

ALL REC
↓
READ USB
↓
R01 00:01

Both recording and playback start at the same time. When playback ends, recording also stops.

• If you have programmed the playing order for CD (see "Programming the Playing Order—Program Play" on page 4), the tracks are recorded in the programmed order if Program Play is activated.
• To stop recording manually, press ■.

To record the playing track

CD→USB REC — Press to start recording while playing back the track to record.

To erase tracks/groups

You can erase tracks/groups on the USB mass storage class device.
• Once the tracks are erased, you cannot recover them.
• To quit erasing, press ■.

1 Select a track/group you want to erase while playback is stopped. (See page 4.)

2 DELETE

3 ►►I or I◄◄
Select the target to erase.
TTL DEL: Delete a track.
GRP DEL: Delete a group.
DEL ALL: Delete all tracks.

4 SET

5 ►►I or I◄◄
DEL NO: Cancel erasure.
DEL YES: Continue erasure.

6 SET

Setting the Clock and Using Timers

■ Setting the Clock

Without setting the built-in clock, you cannot use Daily Timer.
• To go back to the previous step, press CANCEL.

1 CLOCK — Press to activate the clock setting mode.

↓ SET

2 ►►I or I◄◄ — Adjust the hour, then the minute.

↓ SET

■ Setting the Sleep Timer

Press repeatedly to specify the time (in minutes) as follows:

SLEEP

→10→20→30→60→90→120→150→180
│   │
└──────────── OFF ◄─────────────┘
(canceled)

The SLEEP indicator lights up and the display dims.

To check the remaining time until the System shuts off, press SLEEP once.

■ Turning Off the System Automatically —Auto Standby function (only for Disc/USB)

Press to activate the Auto Standby.
• The A.STBY indicator lights up.
• The A.STBY indicator starts flashing after playback stops.
If no operation is done for about 3 minutes, the System turns off.

AUTO STBY

To cancel this function, press the button again.

■ Setting the Daily Timer

Using Daily Timer, you can wake up with your favorite music.
• You can store three Daily Timer settings; however, you can activate only one of the Daily Timers.
• To correct a misentry during the process, press CANCEL. You can return to the previous step.

1 TIMER — Press repeatedly to select one of the timer you want to set—TIMER-1, TIMER-2, or TIMER-3.

→ TIMER-1 → TIMER-2 → TIMER-3
│   │
└──────── Canceled ◄─────────┘

2 SET

3
① Adjust the hour then the minute for on-time.
② Adjust the hour then the minute for off-time.
③ Select the playback source—"TUNER FM," "TUNER AM," "AUDIO IN," "DISC," or "USB HOST."
④ For "TUNER FM" or "TUNER AM": Select a preset channel.*
   For "DISC" or "USB HOST": Select a track. (For MP3/WMA: Select the group, then the track number.)
⑤ Select the volume.

►►I or I◄◄ / SET

4 (power) — Turn off the System (on standby).
• When the on-time comes, the System starts playing the specified source and sets the volume gradually to the preset level.

* If no preset channel is stored, "NOMEMORY" appears. When the on time comes, the System tunes in to the station last tuned in.

To exit from the timer setting, press TIMER as required.

To Turn Off the Daily Timer

① TIMER — Press repeatedly to select "TIMER-1," "TIMER-2," or "TIMER-3."

② CANCEL

To turn on the Daily Timer again, select one of the timer settings by pressing TIMER, then press SET.

Maintenance

To get the best performance of the System, keep your discs 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.
• 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.

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, 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.
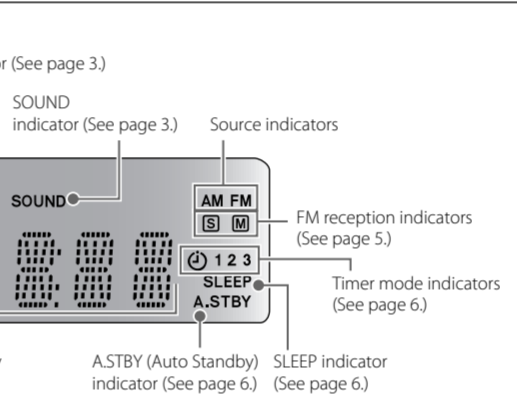
JVC bears no responsibility for any loss of data in USB mass storage class device while using this System.

Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Specifications

Amplifier section

OUTPUT POWER:
120 W (60 W + 60 W) at 8 Ω (10% THD)
Speakers/Impedance: 8 Ω – 16 Ω
Audio input AUDIO IN: 500 mV/47 kΩ (at "NORMAL")
250 mV/47 kΩ (at "HIGH")
Digital input: USB REC/PLAY

Tuner section

FM tuning range: 87.50 MHz – 108.00 MHz
AM (MW) tuning range: 522 kHz – 1629 kHz

Disc player section

Dynamic range: 80 dB
Signal-to-noise ratio: 85 dB
Wow and flutter: Immeasurable

USB storage

USB specification: Compatible with USB 2.0 Full Speed
Compatible device: Mass storage class
Compatible file system: FAT16, FAT32
Bus power supply: DC 5 V ⎓ 500 mA

General

Power requirements: AC 230 V ∿, 50 Hz
Power consumption: 36 W (power on)
5 W (standby mode)
1 W or less (ECO Mode)
Dimensions (approx.): 165 mm × 250 mm × 272 mm (W × H × D)
Mass (approx.): 3.5 kg

Speakers

Speaker units: 4 cm cone × 1
12 cm cone × 1
Impedance: 8 Ω
Dimensions (approx.): 140 mm × 250 mm × 183 mm (W × H × D)
Mass (approx.): 1.8 kg each

Specifications and appearance are subject to change without prior notice.

JVC

MICRO COMPONENT SYSTEM

UX-GN6

—Consists of CA-UXGN6 and SP-UXGN5

Made for iPod

COMPACT DIGITAL AUDIO **MP3/WMA**

USB Music Recording

Radio Data System

Thank you for purchasing a JVC product.

INSTRUCTIONS

LVT1989-004B[B]
0309RYMMDWDAT
EN

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Warnings, Cautions and Others

CAUTION
The ⏻/I button in any position does not disconnect the mains line.
Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off).
The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
• 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.

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.

Dear Customer,

This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.

European representative of Victor Company of Japan, Limited is:
JVC Technical Services Europe GmbH
Postfach 10 05 04
61145 Friedberg
Germany

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

Front view
15 cm
15 cm   1 cm   15 cm

Side view
15 cm
15 cm

10 cm   10 cm

SP-UXGN5   SP-UXGN5   CA-UXGN6
CA-UXGN6

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

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

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:** 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.

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.

Precautions

Notes on the power cord
• When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet.
• When unplugging the System from the wall outlet, always pull the plug, not the power cord.
• Do not handle the power cord with wet hands.
• Disconnect the power cord before cleaning the System or moving the System.
• Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents.
• If the cord is damaged, consult a dealer and have the power cord replaced with a new one.

Avoid moisture, water, dust, and high temperatures
• Do not place the System in moist or dusty places.
• If water gets inside the System, turn off the power and remove the plug from the wall outlet, then consult your dealer. Using the System in this state may cause a fire or electrical shock.
• Do not expose the System to direct sunlight or place it near a heating device.
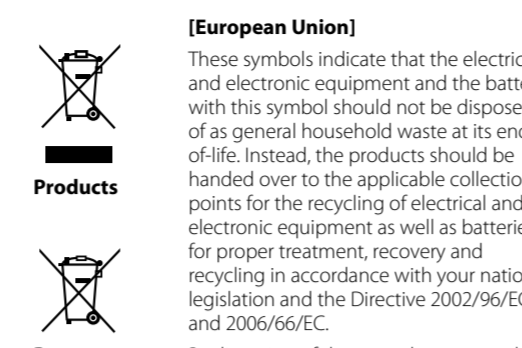
Notes on installation
• Select a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
• Do not install the System in a place subject to vibrations.
• Do not put heavy objects on the System.

To prevent malfunction or damage of the System
• Do not insert any metallic objects, such as wires, hairpins, coins, etc. into the System.
• Do not block the vents.

There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.

Information for Users on Disposal of Old Equipment and Batteries

[European Union]
These symbols indicate that the electrical and electronic equipment and the battery with this symbol should not be disposed of as general household waste at its end-of-life. Instead, the products should be handed over to the applicable collection points for the recycling of electrical and electronic equipment as well as batteries for proper treatment, recovery and recycling in accordance with your national legislation and the Directive 2002/96/EC and 2006/66/EC.

By disposing of these products correctly, you will help to conserve natural resources and will help to prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of these products.

For more information about collection points and recycling of these products, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.
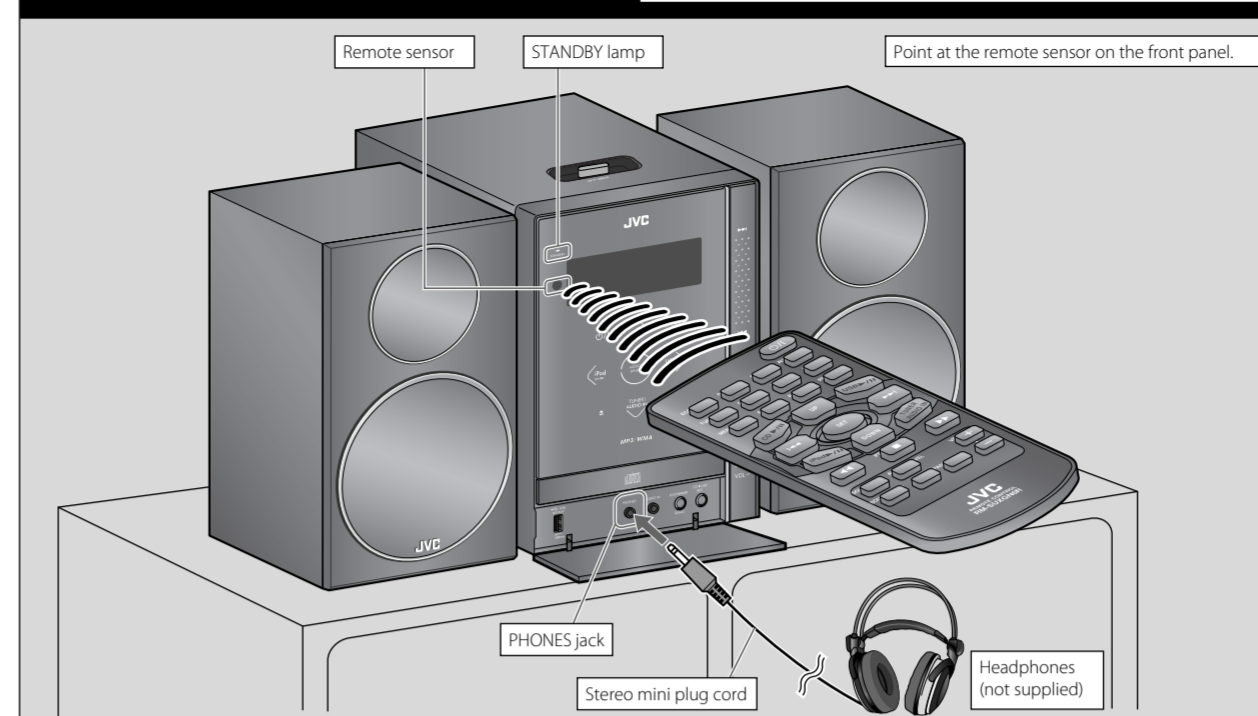
[Business users]
If you wish to dispose of this product, please visit our web page http://www.jvc.eu/ to obtain information about the take-back of the product.

[Other Countries outside the European Union]
These symbols are only valid in the European Union.
If you wish to dispose of these items, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment and batteries.

Products

Battery

Notice:
The sign Pb below the symbol for batteries indicates that this battery contains lead.

1

Basic and Common Operations

The operations on pages 4 to 7 are explained using the remote control, unless mentioned otherwise. However, if the System has the same or similar button names, they can also be used for the operations.

Remote sensor   STANDBY lamp   Point at the remote sensor on the front panel.

PHONES jack
Stereo mini plug cord   Headphones (not supplied)

Display Demonstration
When you plug in the System, the display demonstration automatically starts.
To cancel the display demonstration, press and hold DEMO until "DEMO CLR" is displayed while the System is on standby.
• When the ECO Mode is activated, the display demonstration does not work (and you cannot deactivate it).

Laser Touch Operation
You can use ⏮/⏭ and VOL +/– on the front panel by sliding your finger up or down on the illumination.
To use ⏮/⏭   To use VOL +/–

Using Headphones
Be sure to turn down the volume before connecting or putting on the headphones.
• Connecting the headphones will deactivate the speakers.
• Sound adjustments also affect the sound through the headphones.

Motion Sensor on the Front Panel
When you move your hand close to the front panel while the System is on standby, the controls on the front panel illuminate.
• When no operation is done for about 5 seconds, the illumination turns off.
• When the ECO Mode is activated, the motion sensor does not work.

Touch to turn on the System.

To	Press		Indication/Result
	Main unit	Remote	
Turn on or off (standby) the power	⏻/I	⏻/I	The STANDBY lamp on the System turns off/on.
Select a source	CD	CD ►/II	See "Playing Back a Disc/USB Mass Storage Class Device" on page 4.
	USB	USB ►/II	
	iPod	iPod ►/II	See "Listening to an iPod/Viewing Images on the iPod" on page 5.
	TUNER/AUDIO IN	TUNER/AUDIO IN	Press repeatedly to select "FM," "AM," or "AUDIO IN" as the source. ⤷ FM → AM → AUDIO IN ↲ • See "Listening to FM and AM Broadcasts" on page 5 or "Listening to Other Equipment" on page 7.
Adjust the volume	VOL +	VOLUME +	—
Drop the volume in a moment	—	FADE MUTING	**To restore the volume,** press again, or adjust the volume level.
Select the Sound Mode	—	SOUND MODE	Press repeatedly to select the desired Sound Mode. The SOUND indicator lights up. ⤷ ROCK → POP → CLASSIC → JAZZ → FLAT → SAMBA → SALSA → REGGAE ↲ (canceled)
Emphasize the sound (Sound Turbo)	S.TURBO	SOUND TURBO	The S.TURBO indicator lights up. • To cancel this function, press again.
Reinforce the bass sound (Hyper Bass Sound)	—	HBS	The HBS indicator lights up. • When Sound Turbo function is activated (see above), the HBS indicator goes off and HBS button does not work. • To cancel this function, press again.
Change the display brightness	ECO/DIMMER DEMO	ECO DIMMER	Press repeatedly when the System is turned on. ⤷ DIM ON → DIM OFF ↲ (canceled)
Turn off the display while on standby	ECO/DIMMER DEMO	ECO DIMMER	Press repeatedly while the System is on standby. ⤷ DISP OFF → ECO ON ↲ Clock DISP OFF: Turns off the display with the motion sensor on. ECO ON: Turns on the ECO (Ecology) Mode. ECO Mode reduces power consumption while the System is on standby by turning off the display and motion sensor.

NOTE:
DO NOT turn off (standby) 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.
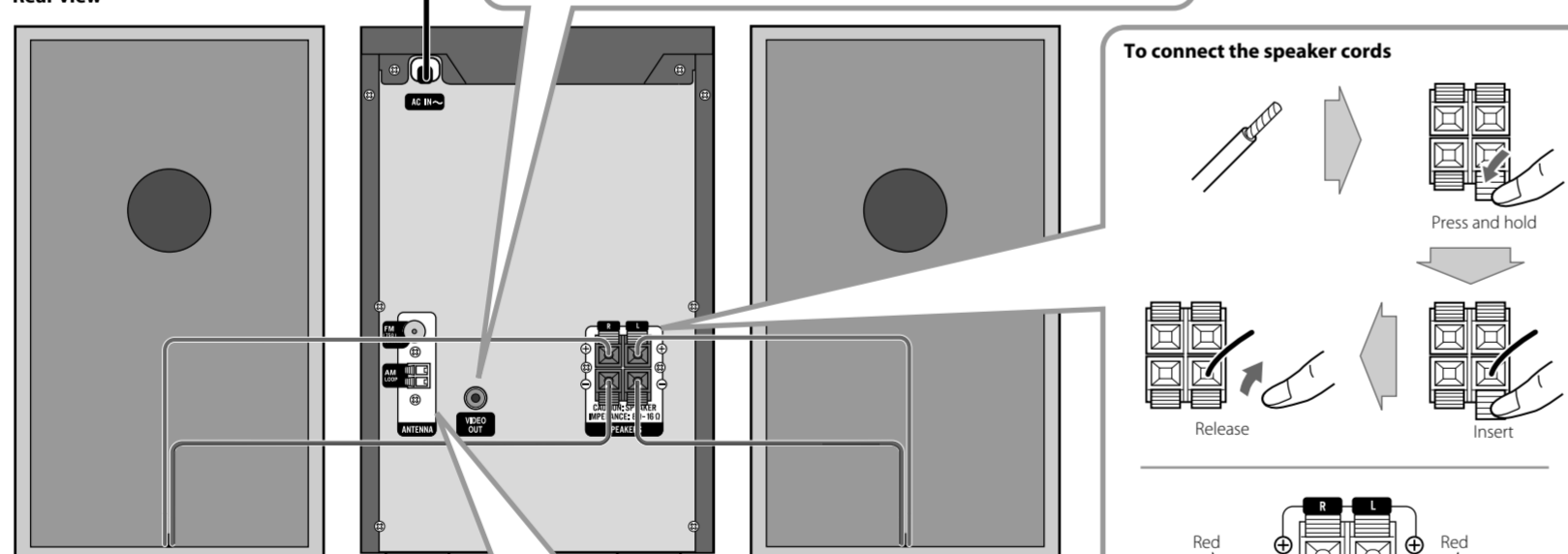
3

Getting Started

■ Supplied Accessories
After unpacking, check to be sure that you have all the following items.
• Remote control, RM-SUXGN6R (× 1)
• Lithium coin battery (× 1: installed in the remote control)
• AM loop antenna (× 1)
• FM antenna (× 1)
• Video cord (× 1)
If anything is missing, consult your dealer immediately.

■ Prepare the Remote Control
When you use the remote control for the first time, pull out the insulation sheet.

Insulation sheet

To Replace the Battery in the Remote Control
Lithium coin battery (product number: CR2025)

NOTES:
• Store the battery in a place where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
• To prevent the battery from overheating, cracking, or starting a fire:
– Do not recharge, short, disassemble or heat the battery or dispose of it in a fire.
– Do not leave the battery with other metallic materials.
– Wrap the battery with tape and insulate when throwing away or saving it.
– Do not poke the battery with tweezers or similar tools.
• Dispose of battery in the proper manner, according to federal, state, and local regulations.

CAUTION:
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

■ Connections

For iPod

To connect the monitor (not supplied)
—To view video/picture from the iPod

Video cord (supplied)   Monitor

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

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

Rear view

To connect the speaker cords

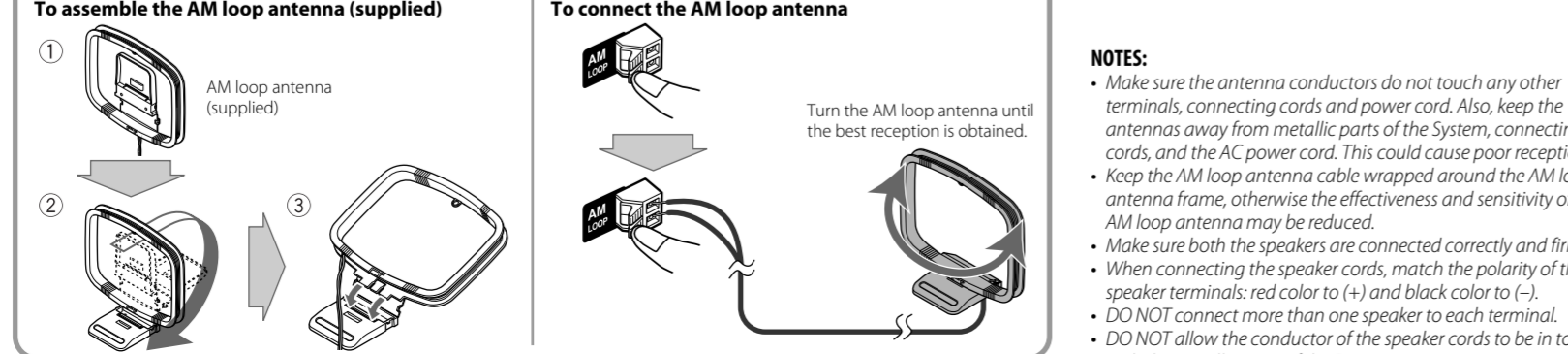Press and hold

Release   Insert

To connect the FM antenna (supplied)
Extend it so that you can obtain the best reception.

FM antenna (supplied)

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

Outdoor FM antenna (not supplied)

To assemble the AM loop antenna (supplied)
AM loop antenna (supplied)

To connect the AM loop antenna
Turn the AM loop antenna until the best reception is obtained.

Red   Red
Black   Black
From right speaker   From left speaker
CAUTION: SPEAKER IMPEDANCE: 8Ω–16Ω
SPEAKERS

NOTES:
• 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.
• Keep the AM loop antenna cable wrapped around the AM loop antenna frame, otherwise the effectiveness and sensitivity of the AM loop antenna may be reduced.
• Make sure both the speakers are connected correctly and firmly.
• When connecting the speaker cords, match the polarity of the speaker terminals: red color to (+) and black color to (–).
• 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.

2

Playing Back a Disc/USB Mass Storage Class Device

This System can play back...
– CD.
– CD-R/CD-RW recorded in audio CD format (CD-DA) or recorded MP3/WMA files in ISO 9660 format.
– USB mass storage class device containing MP3/WMA files.
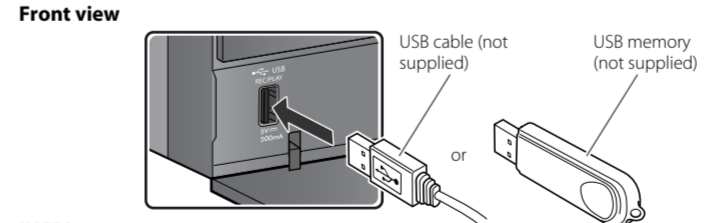• When playing back an MP3 or WMA track, corresponding indicator lights up.

■ Loading a Disc (on the System only)

1 Touch to open the disc tray.

2 • When using an 8 cm disc, place it on the inner circle of the disc tray.

3 Touch to close the disc tray.

■ Connecting a USB Mass Storage Class Device
You can connect a USB mass storage class device such as a USB flash memory device, MP3 player, multimedia card reader, etc. to the System.

Front view

USB cable (not supplied)   USB memory (not supplied)

NOTES:
• When connecting with a USB cable, use the USB 2.0 cable whose length is less than 1 m.
• USB mass storage class device is charged through the USB REC/PLAY terminal when the System is turned on and the source is "USB."
• You cannot connect a computer to the USB REC/PLAY terminal of the System.
• Do not disconnect the USB mass storage class device when the System is turned on. It may cause malfunction of both this System and the device.
• Noise and static electricity may stop the USB mass storage class device sound. In this case, disconnect the USB mass storage class device and connect it again after turning off the System.
• Depending on the shape of USB mass storage class device, the USB REC/PLAY terminal may not be fully inserted into the USB REC/PLAY terminal on the System. In such a case, use a USB extension cable (not supplied) to connect.

■ Prohibiting Disc Ejection (on the System only)
You can lock the disc tray so that no one can eject the loaded disc.
While the System is on standby...
■ + ⏏
To cancel the prohibition, repeat the same procedure.

■ Basic Disc/USB Mass Storage Class Device Operations

To	Press	Indication/Result
Play back the disc	CD ►/II	• During playback, press again to pause.
Play back the USB mass storage class device	USB ►/II	
Stop playback	PTY SEARCH ■	• While playback is stopped, total track number and total playing time (for MP3/WMA files, group number and track number) appear.
Select a track	►►I	Select the next tracks.
	I◄◄	To go back to the beginning of the current or previous tracks.
Select a group (MP3/WMA only)	UP	Select the next groups.
	DOWN	Select the previous groups.
Forward search/ Reverse search	►►	Press and hold to fast-forward the track during playback.
	◄◄	Press and hold to fast-reverse the track during playback.
Change the display information	DISPLAY	(only for USB) Press repeatedly.

NOTES:
• If no disc is inserted or no USB mass storage class device is connected, "NO DISC" or "NO USB" appears on the main display.
• If MP3/WMA files are not recorded on the disc or in the USB mass storage class device, "NO PLAY" appears on the main display.

■ Playing Repeatedly—Repeat Play

1 REPEAT Press repeatedly to specify the repeat mode as follows:
⤷ RPT TRK → RPT GRP → RPT ALL → RPT OFF ↲

RPT TRK: Repeats the current (or specified) track. [↺1]
RPT GRP: Repeats all tracks in the current group (MP3/WMA only). [↺⊞]
RPT ALL: Repeats all tracks. [↺ALL]
RPT OFF: Normal playback

2 CD ►/II or USB ►/II

■ Programming the Playing Order—Program Play
(only for Disc)

1 CD ►/II   PTY SEARCH   Select disc as the source.

2 PROGRAM   Activate the Program Play.

3 ►►I or I◄◄   Select tracks you want for Program Play. • For MP3/WMA files only: You can also use UP or DOWN.

4 SET   Press to store the selected track.

5 Repeat steps **3** and **4** to program other tracks you want. • If you try to program a 33rd track, "PGM FULL" appears.

6 CD ►/II   The program is completed and the tracks are played back in the programmed order.

Operations for Program Play (while not playing)
• To check the programmed contents, press I◄◄ or ►►I.
• To erase the entire program, press and hold CANCEL for about 2 seconds.
• To exit from Program Play, press ■.
– The stored program is kept.

■ Playing at Random—Random Play (only for Disc)

1 CD ►/II   Select disc as the source.

2 RANDOM   Press repeatedly to select the desired Random Mode.
⤷ RND ALL → RND GRP → RND OFF ↲

RND ALL: Plays all tracks in random order. [ALL RND]
RND GRP: Plays tracks in the current group in random order. (MP3/WMA only). [RND]
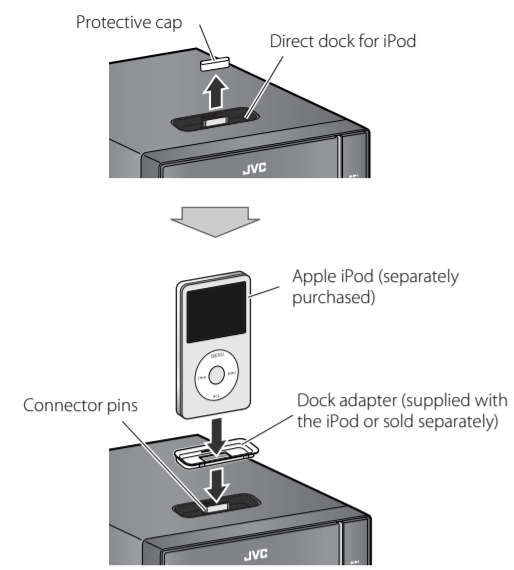RND OFF: Normal playback

3 CD ►/II   Playback starts in random order.

Operations for Random Play
• To skip a track, press ►►I.
• To go back to the beginning of the current track, press I◄◄.

4

Listening to an iPod/Viewing Images on the iPod

■ Connecting an iPod
Insert the iPod directly to the connector pins.

Protective cap

Direct dock for iPod

Apple iPod (separately purchased)

Connector pins

Dock adapter (supplied with the iPod or sold separately)

To detach the dock adapter from the dock:
Pull up the dock adapter with your fingernail or sharp pointed tool using the slot.
• Be careful not to injure your fingertips or damage the terminal of the dock.

• Be sure to reduce the volume on the System to the minimum level before connecting an iPod. Adjust the volume after starting playback.
• DO NOT connect or disconnect the iPod when the System is turned on.
• You cannot send any data to your iPod from the System.
• Do not carry the System with iPod connected. You might drop the iPod or it might cause damages to the iPod dock.
• Do not touch or hit the iPod terminal pins or connector pins in the iPod dock directly. It might cause damages to the connector part.
• Before viewing a video/picture from your iPod on your monitor, make the appropriate video setting on the iPod. For details of the setting, refer to the instruction manual for the iPod.

■ Basic iPod Operations

To	Press	Indication/Result
Play back an iPod	iPod▶/❙❙	The System detects the iPod and starts playback.
Select a track	▶▶❙	Select the next tracks.
	❙◀◀	To go back to the beginning of the current or previous tracks.
Forward search/ Reverse search	▶▶❙	Press and hold to fast-forward the track during playback.
	❙◀◀	Press and hold to fast-reverse the track during playback.
Display the menu/Go back to the previous menu	MENU/CANCEL	—
Select an item on the menu	UP or DOWN / SET	• The UP/DOWN buttons work in the same way as operating the click wheel of iPod counterclockwise/ clockwise. (Refer to the instruction manual for the iPod for details.)
Play back at random	RANDOM	• Refer to the instruction manual for the iPod for details.
Play back repeatedly	REPEAT	• Refer to the instruction manual for the iPod for details.
Change the display information	DISPLAY	Press repeatedly.

Listening to FM and AM Broadcasts

■ Basic Tuner Operations

To	Press	Indication/Result
Select FM or AM	TUNER AUDIO IN	Press repeatedly to select "FM" or "AM." • The selected frequency band appears.
Select a frequency	▶▶❙ or ❙◀◀	Press and hold for more than 2 seconds. The System starts searching for stations and stops when a station of sufficient signal strength is tuned in. • Press during searching to stop. • Press repeatedly to change the frequency step by step.
Tune in to a preset station • For presetting stations, see the right column.	UP or DOWN	Press repeatedly to select its preset number.
Change the FM reception mode (When an FM stereo broadcast is hard to receive)	TUNER MODE	Press to improve reception. The **M** (mono) indicator lights up. Stereo effect will be lost. **To restore the stereo effect,** press again. The **S** (stereo) indicator lights up.

■ Presetting Stations
You can preset 30 FM and 15 AM stations manually.

1 Tune in to a station you want to preset.
• You can also store the FM reception mode.

2 SET — Press to activate the preset number entry mode.
• Finish the following steps while the indication on the display is flashing.

3 UP or DOWN — Press to select a preset number for the station you want to store.

4 SET — Press to store the station.

Listening to Other Equipment

Front view

Digital Audio Player, etc.

Stereo mini plug cord (not supplied)

To audio output (or headphone out, etc.)

1 VOLUME + — — Turn the volume to minimum.

2 TUNER AUDIO IN — Press repeatedly to select "AUDIO IN."

3 Start playing the connected equipment.

4 VOLUME + — — Adjust the volume.

To Preset the Audio Input Level
If the sound from the equipment connected to the AUDIO IN jack is too loud or too quiet, you can change the audio input level through the AUDIO IN jack (without changing the volume level).

Press repeatedly to select the level as follows:

AUDIO IN LEVEL → NORMAL → HIGH →

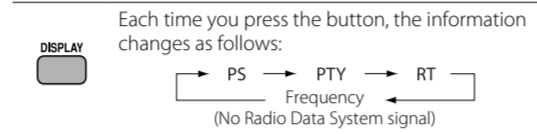NORMAL: Ordinary input level.
HIGH: Increases the input level.

■ Receiving FM Stations with Radio Data System
Radio Data System allows FM stations to send an additional signal along with their regular program signals.
With this System, you can receive the following types of Radio Data System signals.

PS (Program Service):	Shows commonly known station names.
PTY (Program Type):	Shows types of broadcast programs.
RT (Radio Text):	Shows text messages the station sends.

NOTE:
If you want to know more about Radio Data System, visit <http://www.rds.org.uk>.

■ Changing the Radio Data System Information
Each time you press the button, the information changes as follows:

DISPLAY

PS → PTY → RT
↑_____ Frequency _____↓
(No Radio Data System signal)

NOTE:
If no Radio Data System signals are sent by a station, "NO PS," "NO PTY," or "NO RT" appears.

■ Searching for Programs by PTY Codes (PTY Search)
You can locate a particular kind of program from the preset stations (see the left column) by specifying the PTY codes.
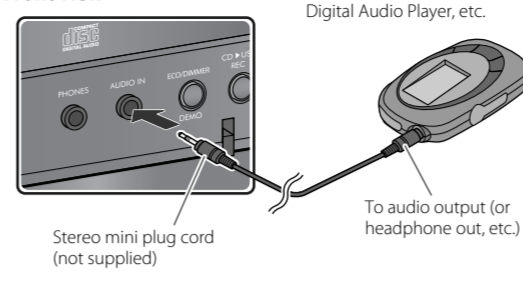
1 PTY SEARCH — Press to enter the PTY code setting mode. The PTY code and "SELECT" appear alternately.

2 UP or DOWN — Select a PTY code.

3 PTY SEARCH — The System searches for 30 preset FM stations, stops when it finds the one you have selected, and tunes in to that station.

• To stop searching, press PTY SEARCH.
• To continue searching after it stops on an unwanted station, press PTY SEARCH while the indications on the display are flashing.

NOTE:
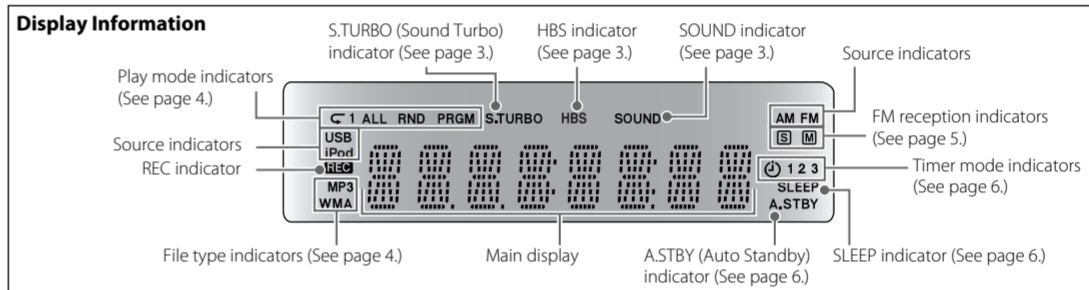*If no program is found, "NOTFOUND" appears.*

5

Learning More about This System

Basic and Common Operations (see page 3)
• Pressing one of the source buttons also turns on the System and starts playing back if the source is ready or connected.
• You cannot use the Sound Mode and Sound Turbo at the same time.

Playing Back a Disc/USB Mass Storage Class Device (see page 4)
• This System cannot play "packet write" discs.
• For MP3/WMA playback...
  – In this manual, "file" and "track" are interchangeably used.
  – This System can show the Tag data (Version 1).
  – 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 result 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> or <.wma> (regardless of the letter case—upper/lower).
  – 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 cannot play back files made at a bit rate of less than 64 kbps.
  – Playback order of MP3/WMA tracks may be different from the one you have intended while recording. If a folder (group) does not include MP3/WMA tracks, they are ignored.
• Do not use the following USB mass storage class devices...
  – Whose rating is other than 5 V and exceeds 500 mA.
  – Equipped with security functions such as data security functions.
  – Divided by 2 or more partitions.
• For the USB mass storage class device playback...
  – When connecting a USB mass storage class device, also refer to its manual.
  – Connect one USB mass storage class device to the System at a time. Do not use a USB hub.
  – This System is compatible with USB 2.0 Full Speed.
  – You can play back MP3/WMA files in a USB mass storage class device (maximum data transfer rate: 2 Mbps).
  – You cannot play back a file larger than 2 Gigabytes.
  – This System may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management)

• This System can recognize up to 255 groups in a disc. The total number of groups and tracks in a disc that can be recognized by the System is 512 (for MP3/WMA).
• This System can recognize up to 99 groups and 999 tracks (with a maximum number of 255 tracks in a group) in a USB mass storage class device.
• Prohibiting disc ejection (or canceling it) is not available when the display is turned off ("DISP OFF") or the ECO Mode is activated ("ECO ON") (see page 3).

Listening to an iPod/Viewing Images on the iPod (see page 5)
• Compatible iPod:

iPod model	Audio	Video
iPod nano 1GB/2GB/4GB	✓	–
iPod nano (2nd Generation) 2GB/4GB/8GB	✓	–
iPod nano (3rd Generation) 4GB/8GB	✓	✓
iPod nano (4th Generation) 8GB/16GB	✓	✓
iPod mini 4GB/6GB	✓	–
iPod mini (2nd Generation) 4GB/6GB	✓	–
iPod classic 80GB/160GB	✓	✓
iPod photo (4th Generation) 20GB/30GB/40GB/60GB	✓	✓
iPod video (5th Generation) 30GB/60GB/80GB	✓	✓
iPod touch 8GB/16GB	✓	✓
iPod touch (2nd Generation) 8GB/16GB	✓	✓

• If incompatible iPod is connected, the iPod may not be operated from the System.
• When an iPod is connected to the System, the battery in the iPod is charged through the iPod terminal (except when the ECO Mode is activated).
• Sound distortion may occur when playing back audio sources with high recording levels. When distortion occurs, it is recommended to turn off the equalizer of the iPod. For information on operating the iPod, see the iPod instruction manual.

Setting the Clock and Using Timers (see page 6)
• You cannot set the clock and Daily Timer while the ECO (Ecology) Mode is activated.
• The clock may gain or lose 1 to 2 minutes per month. If this happens, adjust the clock.
• When you unplug the AC power cord or if a power failure occurs, the clock and the timer will be canceled. You need to set the clock first, then the timer again.

Timer Priority:
• If you activate the Sleep Timer after Daily Timer starts playing the selected source, Daily Timer is canceled.

Maintenance

To get the best performance of the System, keep your discs 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.
• 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.

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, 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.
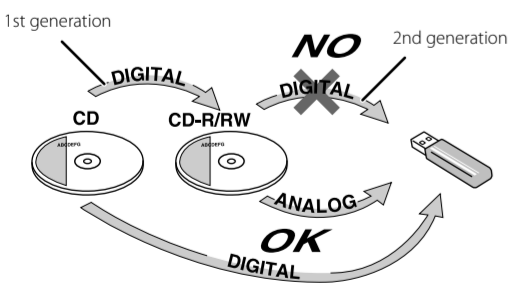 – DO NOT allow any rubber or plastic to remain in contact for a long time.

Display Information

S.TURBO (Sound Turbo) indicator (See page 3.)
HBS indicator (See page 3.)
SOUND indicator (See page 3.)
Source indicators
Play mode indicators (See page 4.)
Source indicators
REC indicator
AM FM ❙◀◀ ▶▶❙
FM reception indicators (See page 5.)
SLEEP A.STBY
Timer mode indicators (See page 6.)
File type indicators (See page 4.)
Main display
A.STBY (Auto Standby) indicator (See page 6.)
SLEEP indicator (See page 6.)

7

Recording Operations

■ Before You Start recording
• 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 program and in any literary, dramatic, musical, or artistic work embodied therein.
• The recording level is not affected by the volume.
• Hyper Bass Sound and Sound Turbo (see page 3) do not affect recordings.
• You can record up to 999 tracks per group to the USB mass storage class device. If you try to record a track after recording 999 tracks, "FILEFULL" appears on the display and the track will not be recorded.
• The tracks which are recorded to the USB mass storage class device will be converted into MP3 format (bit rate: 128 kbps).
• You cannot start recording into a USB mass storage class device while "READING" is shown on the display.
• Do not disconnect a USB mass storage class device while playing or recording. It may cause malfunction.
• During recording, the Random Play and Repeat Play will be cancelled.

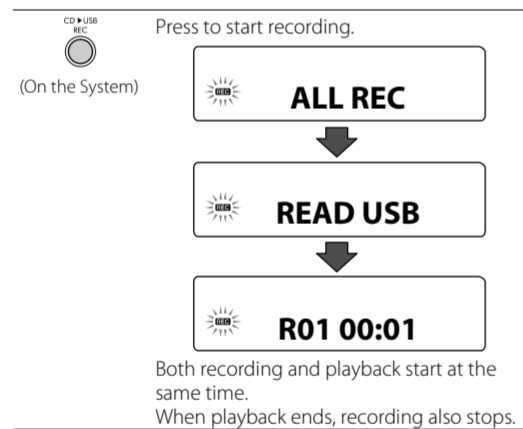## About SCMS (Serial Copy Management System)
The System uses the Serial Copy Management System which allows only first-generation digital copies to be made of prerecorded software such as regular CDs.
If you try to record from a duplicated disc into the USB mass storage class device, "SCMS VLT" appears on the display.

1st generation

CD → DIGITAL → NO DIGITAL (2nd generation)

CD → DIGITAL → CD-R/RW → ANALOG → OK → DIGITAL

■ Recording from a Disc
You can record tracks digitally from a CD onto the USB mass storage class device.
• Do not vibrate the System while recording tracks. It may damage the recorded tracks.

CD ▶/❙❙ + REC Press to start recording.
(On the System)

🔆 ALL REC
↓
🔆 READ USB
↓
🔆 R01 00:01

Both recording and playback start at the same time.
When playback ends, recording also stops.

• If you have programmed the playing order for CD (see "Programming the Playing Order—Program Play" on page 4), the tracks are recorded in the programmed order if Program Play is activated.
• To stop recording manually, press ■.

■ To record the playing track
▶/❙❙ + REC Press to start recording while playing back the track to record.

■ To erase tracks/groups
You can erase tracks/groups on the USB mass storage class device.
• Once the tracks are erased, you cannot recover them.
• To quit erasing, press ■.

1 Select a track/group you want to erase while playback is stopped. (See page 4.)

2 DELETE

3 UP or DOWN / Select the target to erase.
TTL DEL: Delete a track.
GRP DEL: Delete a group.
DEL ALL: Delete all tracks.

4 SET

5 ▶▶❙ or ❙◀◀ / DEL NO: Cancel erasure.
DEL YES: Continue erasure.

6 SET

Setting the Clock and Using Timers

■ Setting the Clock
Without setting the built-in clock, you cannot use Daily Timer.
• To go back to the previous step, press MENU/CANCEL.

1 CLOCK / SET — Press to activate the clock setting mode.

⟶ 0:00

2 ▶/❙❙ or ❙◀◀ — Adjust the hour, then the minute.

■ Setting the Sleep Timer
Press repeatedly to specify the time (in minutes) as follows:

SLEEP → 10 → 20 → 30 → 60 → 90 → 120 → 150 → 180
↑_____ OFF ←_____↓
(canceled)

The SLEEP indicator lights up and the display dims.

To check the remaining time until the System shuts off, press SLEEP once.

■ Turning Off the System Automatically —Auto Standby function (only for Disc/USB/iPod)
Press to activate the Auto Standby.
• The A.STBY indicator lights up.
• The A.STBY indicator starts flashing after playback stops.
AUTO STBY If no operation is done for about 3 minutes, the System turns off.

To cancel this function, press the button again.

Setting the Daily Timer
Using Daily Timer, you can wake up with your favorite music.
• You can store three Daily Timer settings; however, you can activate only one of the Daily Timers.
• To correct a misentry during the process, press MENU/ CANCEL. You can return to the previous step.

1 TIMER — Press repeatedly to select one of the timer you want to set—TIMER-1, TIMER-2, or TIMER-3.

TIMER-1 → TIMER-2 → TIMER-3

2 SET

3 ① Adjust the hour then the minute for on-time.
② Adjust the hour then the minute for off-time.
③ Select the playback source— "DISC," "USB HOST," "TUNER FM," "TUNER AM," "AUDIO IN," or "IPOD."
④ For "TUNER FM" or "TUNER AM": Select a preset channel.*
For "DISC" or "USB HOST": Select a track. (For MP3/WMA: Select the group, then the track number.)
⑤ Select the volume.

▶/❙❙ or ❙◀◀ / SET

4 ⏻ — Turn off the System (on standby).
• When the on-time comes, the System starts playing the specified source and sets the volume gradually to the preset level.

* *If no preset channel is stored, "NOMEMORY" appears. When the on time comes, the System tunes in to the station last tuned in.*
To exit from the timer setting, press TIMER as required.

To Turn Off the Daily Timer
① TIMER / MENU CANCEL — Press repeatedly to select "TIMER-1," "TIMER-2," or "TIMER-3."
②

To turn on the Daily Timer again, select one of the timer settings by pressing TIMER, then press SET.

6

Troubleshooting

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

General
Power does not come on.
➡ Power plug is not inserted securely. Plug in securely.

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.
➡ The batteries are exhausted.

No sound is heard.
➡ Speaker connections are incorrect or loose.
➡ Headphones are connected.

The System does not work properly.
➡ Many functions of this System are implemented by microcomputers. If the System does not work correctly, disconnect the AC power cord from the wall outlet, wait for a while, and connect the cord again.

Disc/USB Mass Storage Class Device Operations
The disc/USB mass storage class device does not play.
➡ The disc is placed upside down. Place the disc with the label side up.
➡ The USB mass storage class device is not connected properly.

MP3/WMA groups and tracks are not played back as you expect.
➡ Playing order is determined when the groups and tracks were recorded. It depends on the writing application.

The disc/USB mass storage class device sound is discontinuous.
➡ The disc is scratched or dirty.
➡ MP3/WMA files have not been properly copied into the USB mass storage class device.

Sounds from USB mass storage class device are interrupted.
➡ Noise and static electricity may stop the sound. In this case, disconnect and connect the USB mass storage class device again after turning off the System.

The disc tray does not open or close.
➡ The AC power cord is not plugged in.
➡ Disc ejection is prohibited (see page 4).

iPod Operations
The iPod does not play, but "CONNECT" appears on the display.
➡ The iPod battery is low or exhausted. Charge the iPod battery.

The video/picture from the iPod is not displayed on the monitor.
➡ The video settings on the iPod is incorrect. Refer to the instruction manual for the iPod.

Radio Operations
Hard to listen to broadcasts because of noise.
➡ Antenna connections are incorrect or loose.
➡ The AM loop antenna is too close to the System.
➡ The FM antenna is not properly extended and positioned.
➡ Electrostatic discharge from your body may cause noise. If this happens, turn off and on the System again.

Recording Operations
Unable to record into the USB device.
➡ The capacity of the USB device is full. Erase some tracks.
➡ You have recorded 999 tracks or groups on the USB mass storage class device. Erase unwanted tracks.
➡ The USB mass storage class device is write-protected.
➡ The USB mass storage class device you connected is incompatible to this System.

Display Messages for Recording Operations
NODEVICE
• No USB mass storage class device is connected or the connected USB mass storage class device is not compatible with this System.
D. (data) FULL
• The capacity of the USB mass storage class device is full.
FILEFULL
• The USB mass storage class device has exceeded the maximum number of files it can support.
W. (write) PROT
• The USB mass storage class device is write-protected.
SCMS VLT (violation)
• You have tried to copy from a duplicated disc to the USB mass storage class device.
D. (device) FAIL
• The System failed to read the USB mass storage class device.

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.

Specifications

Amplifier section
OUTPUT POWER:
60 W per channel, min. RMS, driven into 4 Ω at 1 kHz with no more than 10% total harmonic distortion
Speakers/Impedance: 8 Ω – 16 Ω
Audio input AUDIO IN: 500 mV/50 kΩ (at "NORMAL")
250 mV/50 kΩ (at "HIGH")
Digital input: USB REC/PLAY

Tuner section
FM tuning range: 87.50 MHz - 108.00 MHz
AM tuning range: 522 kHz - 1 629 kHz

Disc player section
Dynamic range: 80 dB
Signal-to-noise ratio: 85 dB
Wow and flutter: Immeasurable

USB storage
USB specification: Compatible with USB 2.0 Full Speed
Compatible device: Mass storage class
Compatible file system: FAT16, FAT32
Bus power supply: DC 5 V ⎓ 500 mA

iPod section
iPod output power: DC 5 V ⎓ 500 mA
VIDEO OUT: Composite

General
Power requirements: AC 230 V ∼, 50 Hz
Power consumption: 36 W (power on)
5 W (standby mode)
1 W or less (ECO Mode)
Dimensions (approx.): 165 mm × 250 mm × 272 mm (W × H × D)
Mass (approx.): 3.5 kg

Speakers
Speaker units: 4 cm cone × 1
12 cm cone × 1
Impedance: 8 Ω
Dimensions (approx.): 140 mm × 250 mm × 183 mm (W × H × D)
Mass (approx.): 1.8 kg each

Specifications and appearance are subject to change without prior notice.

JVC bears no responsibility for any loss of data in USB mass storage class device while using this System.

Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

JVC

MICRO COMPONENT SYSTEM

UX-GN5
—Consists of CA-UXGN5 and SP-UXGN5

COMPACT disc DIGITAL AUDIO
MP3/ WMA
USB Music Recording

Thank you for purchasing a JVC product.

INSTRUCTIONS

Warnings, Cautions and Others

CAUTION
The ⏻/I button in any position does not disconnect the mains line.
Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off).
The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
• 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.

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

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

Front view
15 cm   15 cm   1 cm   15 cm
SP-UXGN5   SP-UXGN5
CA-UXGN5
110 cm

Side view
15 cm
15 cm
10 cm
CA-UXGN5

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: 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.

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.

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

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

[European Union only]

Precautions

Notes on the power cord
• When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet.
• When unplugging the System from the wall outlet, always pull the plug, not the power cord.
• Do not handle the power cord with wet hands.
• Disconnect the power cord before cleaning the System or moving the System.
• Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents.
• If the cord is damaged, consult a dealer and have the power cord replaced with a new one.

Avoid moisture, water, dust, and high temperatures
• Do not place the System in moist or dusty places.
• If water gets inside the System, turn off the power and remove the plug from the wall outlet, then consult your dealer. Using the System in this state may cause a fire or electrical shock.
• Do not expose the System to direct sunlight or place it near a heating device.

Notes on installation
• Select a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
• Do not install the System in a place subject to vibrations.
• Do not put heavy objects on the System.

To prevent malfunction or damage of the System
• Do not insert any metallic objects, such as wires, hairpins, coins, etc. into the System.
• Do not block the vents.

There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.

Basic and Common Operations

The operations on pages 4 to 6 are explained using the remote control, unless mentioned otherwise. However, if the System has the same or similar button names, they can also be used for the operations.

Remote sensor   STANDBY lamp
Point at the remote sensor on the front panel.

PHONES jack
Stereo mini plug cord
Headphones (not supplied)

Display Demonstration
When you plug in the System, the display demonstration automatically starts.
To cancel the display demonstration, press and hold DEMO until "DEMO CLR" is displayed while the System is on standby.
• When the ECO Mode is activated, the display demonstration does not work (and you cannot deactivate it).

Laser Touch Operation
You can use ⏮◀◀/▶▶⏭ and VOL +/– on the front panel by sliding your finger up or down on the illumination.

To use ⏮◀◀/▶▶⏭   To use VOL +/–

Using Headphones
Be sure to turn down the volume before connecting or putting on the headphones.
• Connecting the headphones will deactivate the speakers.
• Sound adjustments also affect the sound through the headphones.

Motion Sensor on the Front Panel
When you move your hand close to the front panel while the System is on standby, the controls on the front panel illuminate.
• When no operation is done for about 5 seconds, the illumination turns off.
• When the ECO Mode is activated, the motion sensor does not work.

Touch to turn on the System.

To	Press		Indication/Result
	Main unit	Remote	
Turn on or off (standby) the power	⏻/I	⏻/I	The STANDBY lamp on the System turns off/on.
Select a source	CD	CD ▶/II	See "Playing Back a Disc/USB Mass Storage Class Device" on page 4.
	USB	USB ▶/II	
	TUNER	TUNER	Press repeatedly to select "FM" or "AM" as the source. • See "Listening to FM and AM Broadcasts" on page 5.
	AUDIO IN	AUDIO IN	See "Listening to Other Equipment" on page 5.
Adjust the volume	VOL +/–	VOLUME +/–	—
Drop the volume in a moment	—	FADE MUTING	**To restore the volume,** press again, or adjust the volume level.
Select the Sound Mode	—	SOUND MODE	Press repeatedly to select the desired Sound Mode. The SOUND indicator lights up. ROCK → POP → CLASSIC → JAZZ → FLAT → SAMBA → SALSA → REGGAE (canceled)
Emphasize the sound (Sound Turbo)	S.TURBO	SOUND TURBO	The S.TURBO indicator lights up. **To cancel this function,** press again.
Reinforce the bass sound (Hyper Bass Sound)	—	HBS	The HBS indicator lights up. • When Sound Turbo function is activated (see above), the HBS indicator goes off and HBS button does not work. **To cancel this function,** press again.
Change the display brightness	ECO/DIMMER DEMO	ECO/DIMMER	Press repeatedly when the System is turned on. DIM ON → DIM OFF (canceled)
Turn off the display while on standby	ECO/DIMMER DEMO	ECO/DIMMER	Press repeatedly while the System is on standby. DISP OFF → ECO ON → Clock **DISP OFF:** Turns off the display with the motion sensor on. **ECO ON:** Turns on the ECO (Ecology) Mode. ECO Mode reduces power consumption while the System is on standby by turning off the display and motion sensor.

NOTE:
DO NOT turn off (standby) 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.

1

3

Getting Started

■ Supplied Accessories
After unpacking, check to be sure that you have all the following items.
• Remote control, RM-SUXGN5U (× 1)
• Lithium coin battery (× 1: installed in the remote control)
• AM loop antenna (× 1)
• FM antenna (× 1)
• AC plug adapter (× 1) (not supplied for Hong Kong)
If anything is missing, consult your dealer immediately.

■ Prepare the Remote Control
When you use the remote control for the first time, pull out the insulation sheet.

Insulation sheet

To Replace the Battery in the Remote Control
Lithium coin battery (product number: CR2025)

NOTES:
• Store the battery in a place where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
• To prevent the battery from overheating, cracking, or starting a fire:
  – Do not recharge, short, disassemble or heat the battery or dispose of it in a fire.
  – Do not leave the battery with other metallic materials.
  – Wrap the battery with tape and insulate when throwing away or saving it.
  – Do not poke the battery with tweezers or similar tools.
• Dispose of battery in the proper manner, according to federal, state, and local regulations.

CAUTION:
Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

■ Connections

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

To a wall outlet
Plug the AC power cord only after all connections are complete.
• If the wall outlet does not match the AC plug, use the supplied AC plug adapter (not applicable for Hong Kong).

Rear view

To connect the FM antenna (supplied)
Extend it so that you can obtain the best reception.

FM antenna (supplied)

For better FM reception
Disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 Ω wire with coaxial type connector.

Outdoor FM antenna (not supplied)

To assemble the AM loop antenna (supplied)
AM loop antenna (supplied)

To connect the AM loop antenna
Turn AM loop antenna until the best reception is obtained.

To connect the speaker cords
Press and hold
Release   Insert

Red   Red
Black   Black
From right speaker   From left speaker

CAUTION: SPEAKER IMPEDANCE: 8Ω–16Ω
SPEAKERS

NOTES:
• 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.
• Keep the AM loop antenna cable wrapped around the AM loop antenna frame, otherwise the effectiveness and sensitivity of the AM loop antenna may be reduced.
• Make sure both the speakers are connected correctly and firmly.
• When connecting the speaker cords, match the polarity of the speaker terminals: red cord to (+) and black cord to (–).
• 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.

2

Playing Back a Disc/USB Mass Storage Class Device

This System can play back...
– CD.
– CD-R/CD-RW recorded in audio CD format (CD-DA) or recorded MP3/WMA files in ISO 9660 format.
– USB mass storage class device containing MP3/WMA files.
• When playing back an MP3 or WMA track, corresponding indicator lights up.

■ Loading a Disc (on the System only)

1 ⏏ Touch to open the disc tray.

2 • When using an 8 cm disc, place it on the inner circle of the disc tray.

3 ⏏ Touch to close the disc tray.

■ Connecting a USB Mass Storage Class Device
You can connect a USB mass storage class device such as a USB flash memory device, MP3 player, multimedia card reader, etc. to the System.

Front view

USB cable (not supplied)   USB memory (not supplied)
or

NOTES:
• When connecting with a USB cable, use the USB 2.0 cable whose length is less than 1 m.
• USB mass storage class device is charged through the USB REC/PLAY terminal when the System is turned on and the source is "USB."
• You cannot connect a computer to the USB REC/PLAY terminal of the System.
• Do not disconnect the USB mass storage class device when the System is turned on. It may cause malfunction of both this System and the device.
• Noise and static electricity may stop the USB mass storage class device sound. In this case, disconnect the USB mass storage class device and connect it again after turning off the System.
• Depending on the shape of USB mass storage class device, the USB terminal may not be fully inserted into the USB REC/PLAY terminal on the System. In such a case, use a USB extension cable (not supplied) to connect.

■ Prohibiting Disc Ejection (on the System only)
You can lock the disc tray so that no one can eject the loaded disc.
While the System is on standby...

■ + ⏏   **To cancel the prohibition,** repeat the same procedure.

■ Basic Disc/USB Mass Storage Class Device Operations

To	Press	Indication/Result
Play back the disc	CD ▶/II	• During playback, press again to pause.
Play back the USB mass storage class device	USB ▶/II	
Stop playback	■	• While playback is stopped, total track number and total playing time (for MP3/WMA files, group number and track number) appear.
Select a track	▶▶⏭	Select the next tracks.
	⏮◀◀	To go back to the beginning of the current or previous tracks.
Select a group (MP3/WMA only)	UP	Select the next groups.
	DOWN	Select the previous groups.
Forward search/ Reverse search	▶▶	Press and hold to fast-forward the track during playback.
	◀◀	Press and hold to fast-reverse the track during playback.
Change the display information	DISPLAY	(only for USB) Press repeatedly.

NOTES:
• If no disc is inserted or no USB mass storage class device is connected, "NO DISC" or "NO USB" appears on the main display.
• If MP3/WMA files are not recorded on the disc or in the USB mass storage class device, "NO PLAY" appears on the main display.

■ Playing Repeatedly—Repeat Play

1 REPEAT Press repeatedly to specify the repeat mode as follows:
RPT TRK → RPT GRP → RPT ALL → RPT OFF

RPT TRK: Repeats the current (or specified) track. [↺1]
RPT GRP: Repeats all tracks in the current group (MP3/WMA only). [↺]
RPT ALL: Repeats all tracks. [↺ALL]
RPT OFF: Normal playback

2 CD ▶/II or USB ▶/II

■ Programming the Playing Order—Program Play
(only for Disc)

1 CD ▶/II ■   Select disc as the source.

2 PROGRAM   Activate the Program Play.

3 ▶▶⏭ or ⏮◀◀   Select tracks you want for Program Play. • For MP3/WMA files only: You can also use UP or DOWN.

4 SET   Press to store the selected track.

5 Repeat steps **3** and **4** to program other tracks you want. • If you try to program a 33rd track, "PGM FULL" appears.

6 CD ▶/II   The program is completed and the tracks are played back in the programmed order.

Operations for Program Play (while not playing)
• To check the programmed contents, press ⏮◀◀ or ▶▶⏭.
• To erase the entire program, press and hold CANCEL for about 2 seconds.
• To exit from Program Play, press ■.
  – The stored program is kept.

■ Playing at Random—Random Play (only for Disc)

1 CD ▶/II   Select disc as the source.

2 RANDOM   Press repeatedly to select the desired Random Mode.
RND ALL → RND GRP → RND OFF

RND ALL: Plays all tracks in random order. [ALL RND]
RND GRP: Plays tracks in the current group in random order. (MP3/WMA only). [RND]
RND OFF: Normal playback

3 CD ▶/II   Playback starts in random order.

Operations for Random Play
• To skip a track, press ▶▶⏭.
• To go back to the beginning of the current track, press ⏮◀◀.

4

Listening to FM and AM Broadcasts

■ Selecting AM Tuner Interval Spacing (on the System only)

Some countries space AM stations 9 kHz apart, and other countries use 10 kHz spacing. Before operating the tuner, select the appropriate AM tuner interval spacing used for your area.
• You cannot change the AM tuner interval spacing while the ECO (Ecology) Mode is activated.

1 [TUNER] Select AM as the source.

2 [⏻/I] Turn off (standby) the System.

3 [CD ▶USB] Press and hold to change the AM tuner interval spacing.

9K STEP ⟷ 10K STEP

■ Basic Tuner Operations

To	Press	Indication/Result
Select FM or AM	[TUNER]	Press repeatedly. • The selected frequency band appears.
Select a frequency	[▶▶I] or [I◀◀]	Press and hold for more than 2 seconds. The System starts searching for stations and stops when a station of sufficient signal strength is tuned in. • Press during searching to stop. • Press repeatedly to change the frequency step by step.
Tune in to a preset station • For presetting stations, see below.	[UP] or [DOWN]	Press repeatedly to select its preset number.
Change the FM reception mode (When an FM stereo broadcast is hard to receive)	[TUNER MODE]	Press to improve reception. The M (mono) indicator lights up. Stereo effect will be lost. **To restore the stereo effect,** press again. The S (stereo) indicator lights up.

■ Presetting Stations

You can preset 30 FM and 15 AM stations manually.

1 Tune in to a station you want to preset.
• You can also store the FM reception mode.

2 [SET] Press to activate the preset number entry mode.
• Finish the following steps while the indication on the display is flashing.

3 [UP] or [DOWN] Press to select a preset number for the station you want to store.

4 [SET] Press to store the station.

Listening to Other Equipment

Front view

To audio output (or headphone out, etc.)

Digital Audio Player, etc.

Stereo mini plug cord (not supplied)

1 [VOLUME +/−] Turn the volume to minimum.

2 [AUDIO IN] Press to select "AUDIO IN."

3 Start playing the connected equipment.

4 [VOLUME +/−] Adjust the volume.

To Preset the Audio Input Level

If the sound from the equipment connected to the AUDIO IN jack is too loud or too quiet, you can change the audio input level through the AUDIO IN jack (without changing the volume level).

[AUDIO IN LEVEL] Press repeatedly to select the level as follows:
↳ NORMAL → HIGH ↲

NORMAL: Ordinary input level.
HIGH: Increases the input level.

Learning More about This System

Basic and Common Operations (see page 3)

• Pressing one of the source buttons also turns on the System and starts playing back if the source is ready or connected.
• You cannot use the Sound Mode and Sound Turbo at the same time.

Playing Back a Disc/USB Mass Storage Class Device (see page 4)

• This System cannot play "packet write" discs.
• For MP3/WMA playback...
– In this manual, "file" and "track" are interchangeably used.
– This System can show the Tag data (Version 1).
– 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 result 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> or <.wma> (regardless of the letter case—upper/lower).
– 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 cannot play back files made at a bit rate of less than 64 kbps.
– Playback order of MP3/WMA tracks may be different from the one you have intended while recording. If a folder (group) does not include MP3/WMA tracks, they are ignored.
• Do not use the following USB mass storage class devices...
– Whose rating is other than 5 V and exceeds 500 mA.
– Equipped with special functions such as data security functions.
– Divided by 2 or more partitions.

• For the USB mass storage class device playback...
– When connecting a USB mass storage class device, also refer to its manual.
– Connect one USB mass storage class device to the System at a time. Do not use a USB hub.
– This System is compatible with USB 2.0 Full Speed.
– You can play back MP3/WMA files in a USB mass storage class device (maximum data transfer rate: 2 Mbps).
– You cannot play back a file larger than 2 Gigabytes.
– This System may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management).
• This System can recognize up to 255 groups in a disc. The total number of groups and tracks (in a disc) that can be recognized by the System is 512 (for MP3/WMA).
• This System can recognize up to 99 groups and 999 tracks (with a maximum number of 255 tracks in a group) in a USB mass storage class device.
• Prohibiting disc ejection (or canceling it) is not available when the display is turned off ("DISP OFF") or the ECO Mode is activated ("ECO ON") (see page 3).

Setting the Clock and Using Timers (see page 6)

• You cannot set the clock and Daily Timer while the ECO (Ecology) Mode is activated.
• The clock may gain or lose 1 to 2 minutes per month. If this happens, adjust the clock.
• When you unplug the AC power cord or if a power failure occurs, the clock and the timer will be canceled. You need to set the clock first, then the timer again.

Timer Priority:
• If you activate the Sleep Timer after Daily Timer starts playing the selected source, Daily Timer is canceled.

Display Information

Play mode indicators (See page 4.)
S.TURBO (Sound Turbo) indicator (See page 3.)
HBS indicator (See page 3.)
SOUND indicator (See page 3.)
Source indicators
Source indicator
FM reception indicators (See page 5.)
REC indicator (See page 6.)
File type indicators (See page 4.)
Main display
A.STBY (Auto Standby) indicator (See page 6.)
SLEEP indicator (See page 6.)
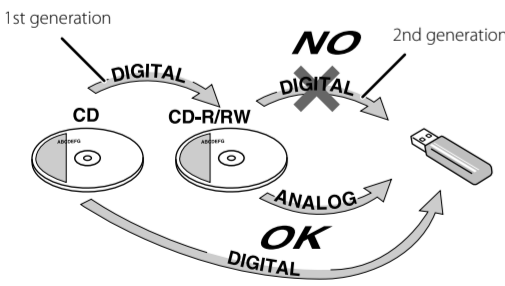Timer mode indicators (See page 6.)

Recording Operations

Before You Start recording

• 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 program and in any literary, dramatic, musical, or artistic work embodied therein.
• The recording level is not affected by the volume.
• Hyper Bass Sound and Sound Turbo (see page 3) do not affect recordings.
• You can record up to 999 tracks per group to the USB mass storage class device. If you try to record a track after recording 999 tracks, "FILEFULL" appears on the display and the track will not be recorded.
• The tracks which are recorded to the USB mass storage class device will be converted into MP3 format (bit rate: 128 kbps).
• You cannot start recording into a USB mass storage class device while "READING" is shown on the display.
• Do not disconnect a USB mass storage class device while playing or recording. It may cause malfunction.
• During recording, the Random Play and Repeat Play will be cancelled.

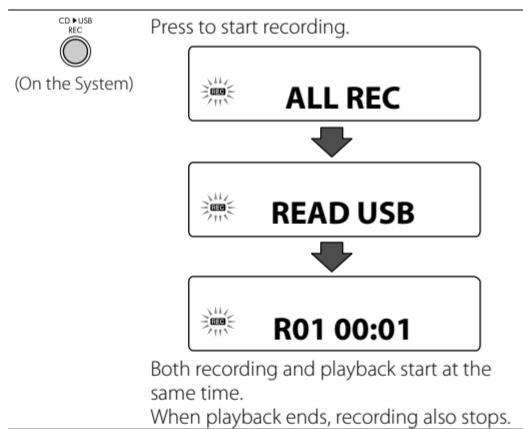### About SCMS (Serial Copy Management System)

The System uses the Serial Copy Management System which allows only first-generation digital copies to be made of premastered software such as regular CDs.
If you try to record from a duplicated disc into the USB mass storage class device, "SCMS VLT" appears on the display.

■ Recording from a Disc

You can record tracks digitally from a CD onto the USB mass storage class device.
• Do not vibrate the System while recording tracks. It may damage the recorded tracks.

[CD ▶USB REC] (On the System) Press to start recording.

ALL REC
↓
READ USB
↓
R01 00:01

Both recording and playback start at the same time.
When playback ends, recording also stops.

• If you have programmed the playing order for CD (see "Programming the Playing Order—Program Play" on page 4), the tracks are recorded in the programmed order if Program Play is activated.
• **To stop recording manually,** press ■.

To record the playing track

[CD ▶USB REC] Press to start recording while playing back the track to record.
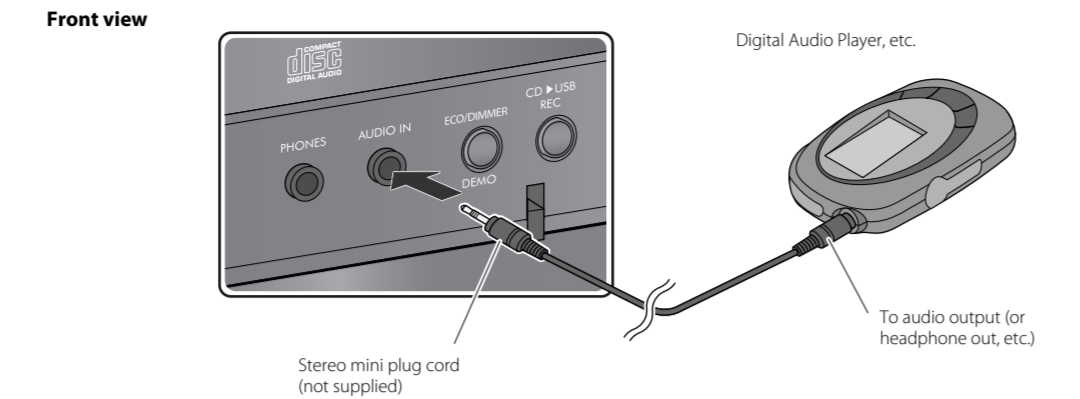
To erase tracks/groups

You can erase tracks/groups on the USB mass storage class device.
• Once the tracks are erased, you cannot recover them.
• To quit erasing, press ■.

1 Select a track/group you want to erase while playback is stopped. (See page 4.)

2 [DELETE]

3 [▶▶I] or [I◀◀] Select the target to erase.
TTL DEL: Delete a track.
GRP DEL: Delete a group.
DEL ALL: Delete all tracks.

4 [SET]
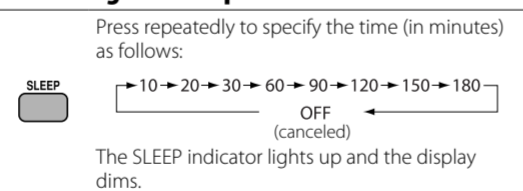
5 [▶▶I] or [I◀◀]
DEL NO: Cancel erasure.
DEL YES: Continue erasure.

6 [SET]

Setting the Clock and Using Timers

■ Setting the Clock

Without setting the built-in clock, you cannot use Daily Timer.
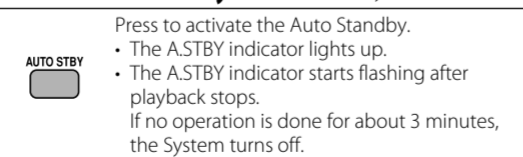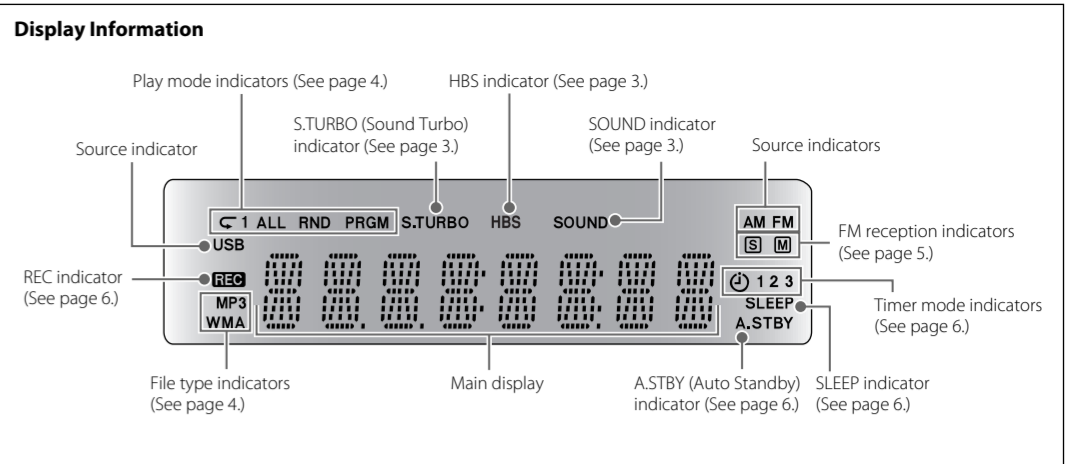• To go back to the previous step, press CANCEL.

1 [CLOCK] Press to activate the clock setting mode.

2 [SET]

3 [▶▶I] or [I◀◀] Adjust the hour, then the minute.

4 [SET]

■ Setting the Sleep Timer

Press repeatedly to specify the time (in minutes) as follows:
↳ 10 → 20 → 30 → 60 → 90 → 120 → 150 → 180
OFF (canceled)

The SLEEP indicator lights up and the display dims.

To check the remaining time until the System shuts off, press SLEEP once.

■ Turning Off the System Automatically —Auto Standby function (only for Disc/USB)

Press to activate the Auto Standby.
• The A.STBY indicator lights up.
• The A.STBY indicator starts flashing after playback stops.
If no operation is done for about 3 minutes, the System turns off.

[AUTO STBY]

To cancel this function, press the button again.

■ Setting the Daily Timer

Using Daily Timer, you can wake up with your favorite music.
• You can store three Daily Timer settings; however, you can activate only one of the Daily Timers.
• To correct a misentry during the process, press CANCEL. You can return to the previous step.

1 [TIMER] Press repeatedly to select one of the timer you want to set—TIMER-1, TIMER-2, or TIMER-3.
↳ TIMER-1 → TIMER-2 → TIMER-3
Canceled

2 [SET]

3 [▶▶I] or [I◀◀]
① Adjust the hour then the minute for on-time.
② Adjust the hour then the minute for off-time.
③ Select the playback source—"TUNER FM," "TUNER AM," "AUDIO IN," "DISC," or "USB HOST."
④ For "TUNER FM" or "TUNER AM": Select a preset channel.*
For "DISC" or "USB HOST": Select a track. (For MP3/WMA: Select the group, then the track number.)
⑤ Select the volume.

[SET]

4 [⏻/I] Turn off the System (on standby).
• When the on-time comes, the System starts playing the specified source and sets the volume gradually to the preset level.

* If no preset channel is stored, "NOMEMORY" appears. When the on time comes, the System tunes in to the station last tuned in.
To exit from the timer setting, press TIMER as required.

To Turn Off the Daily Timer

① [TIMER] Press repeatedly to select "TIMER-1," "TIMER-2," or "TIMER-3."
② [CANCEL]

To turn on the Daily Timer again, select one of the timer settings by pressing TIMER, then press SET.

Troubleshooting

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

General

Power does not come on.
➡ Power plug is not inserted securely. Plug in securely.

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.
➡ The batteries are exhausted.

No sound is heard.
➡ Speaker connections are incorrect or loose.
➡ Headphones are connected.

The System does not work properly.
➡ Many functions of this System are implemented by microcomputers. If the System does not work correctly, disconnect the AC power cord from the wall outlet, wait for a while, and connect the cord again.

Disc/USB Mass Storage Class Device Operations

The disc/USB mass storage class device does not play.
➡ The disc is placed upside down. Place the disc with the label side up.
➡ The USB mass storage class device is not connected properly.

MP3/WMA groups and tracks are not played back as you expect.
➡ Playing order is determined when the groups and tracks were recorded. It depends on the writing application.

The disc/USB mass storage class device sound is discontinuous.
➡ The disc is scratched or dirty.
➡ MP3/WMA files have not been properly copied into the USB mass storage class device.

Sounds from USB mass storage class device are interrupted.
➡ Noise and static electricity may stop the sound. In this case, disconnect and connect the USB mass storage class device again after turning off the System.

The disc tray does not open or close.
➡ The AC power cord is not plugged in.
➡ Disc ejection is prohibited (see page 4).

Radio Operations

Hard to listen to broadcasts because of noise.
➡ Antenna connections are incorrect or loose.
➡ The AM loop antenna is too close to the System.
➡ The FM antenna is not properly extended and positioned.
➡ Electrostatic discharge from your body may cause noise. If this happens, turn off and on the System again.

Recording and Editing Operations

Unable to record into the USB device.
➡ The capacity of the USB device is full. Erase some tracks.
➡ You have recorded 999 tracks or groups on the USB mass storage class device. Erase unwanted tracks.
➡ The USB mass storage class device is write-protected.
➡ The USB mass storage class device you connected is incompatible to this System.

Display Messages for Recording Operations
NODEVICE
• No USB mass storage class device is connected or the connected USB mass storage class device is not compatible with this System.
D. (data) FULL
• The capacity of the USB mass storage class device is full.
FILEFULL
• The USB mass storage class device has exceeded the maximum number of files it can support.
W. (write) PROT
• The USB mass storage class device is write-protected.
SCMS VLT (violation)
• You have tried to copy from a duplicated disc to the USB mass storage class device.
D. (device) FAIL
• The System failed to read the USB mass storage class device.

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.

Maintenance

To get the best performance of the System, keep your discs 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.
• 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.

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, 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.

JVC bears no responsibility for any loss of data in USB mass storage class device while using this System.

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Specifications

Amplifier section

OUTPUT POWER:
120 W (60 W + 60 W) at 8 Ω (10% THD)
Speakers/Impedance: 8 Ω – 16 Ω
Audio input AUDIO IN: 500 mV/47 kΩ (at "NORMAL")
250 mV/47 kΩ (at "HIGH")
Digital input: USB REC/PLAY

Tuner section

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

Disc player section

Dynamic range: 80 dB
Signal-to-noise ratio: 85 dB
Wow and flutter: Immeasurable

USB storage

USB specification: Compatible with USB 2.0 Full Speed
Compatible device: Mass storage class
Compatible file system: FAT16, FAT32
Bus power supply: DC 5 V ⎓ 500 mA

General

Power requirements: AC 110 V – 240 V ∼, 50 Hz/60 Hz
Power consumption: 36 W (power on)
5 W (standby mode)
1 W or less (ECO Mode)
Dimensions (approx.): 165 mm x 250 mm x 272 mm (W x H x D)
Mass (approx.): 3.5 kg

Speakers

Speaker units: 4 cm cone x 1
12 cm cone x 1
Impedance: 8 Ω
Dimensions (approx.): 140 mm x 250 mm x 183 mm (W x H x D)
Mass (approx.): 1.8 kg each

Specifications and appearance are subject to change without prior notice.

JVC

MICRO COMPONENT SYSTEM

UX-GN6

—Consists of CA-UXGN6 and SP-UXGN5

Made for iPod

COMPACT DIGITAL AUDIO

USB Music Recording   MP3/WMA

Thank you for purchasing a JVC product.

INSTRUCTIONS

Warnings, Cautions and Others

CAUTION
The ⏻/I button in any position does not disconnect the mains line.
Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off).
The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
• 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.

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

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

Front view

15 cm   1 cm   15 cm
15 cm
SP-UXGN5   CA-UXGN6   SP-UXGN5

Side view

15 cm
15 cm
10 cm   10 cm
CA-UXGN6

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:** 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.

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.

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

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

[European Union only]

Precautions

Notes on the power cord
• When you are away on travel or otherwise for an extended period of time, remove the plug from the wall outlet.
• When unplugging the System from the wall outlet, always pull the plug, not the power cord.
• Disconnect the power cord before cleaning the System or moving the System.
• Do not handle the power cord with wet hands.
• Do not alter, twist or pull the power cord, or put anything heavy on it, which may cause fire, electric shock, or other accidents.
• If the cord is damaged, consult a dealer and have the power cord replaced with a new one.

Avoid moisture, water, dust, and high temperatures
• Do not place the System in moist or dusty places.
• If water gets inside the System, turn off the power and remove the plug from the wall outlet, then consult your dealer. Using the System in this state may cause a fire or electrical shock.
• Do not expose the System to direct sunlight or place it near a heating device.

Notes on installation
• Select a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
• Do not install the System in a place subject to vibrations.
• Do not put heavy objects on the System.

To prevent malfunction or damage of the System
• Do not insert any metallic objects, such as wires, hairpins, coins, etc. into the System.
• Do not block the vents.

There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.

Basic and Common Operations

The operations on pages 4 to 7 are explained using the remote control, unless mentioned otherwise. However, if the System has the same or similar button names, they can also be used for the operations.

Remote sensor   STANDBY lamp   Point at the remote sensor on the front panel.

PHONES jack

Stereo mini plug cord   Headphones (not supplied)

To	Press		Indication/Result
	Main unit	Remote	
Turn on or off (standby) the power	⏻/I	⏻/I	The STANDBY lamp on the System turns off/on.
Select a source	CD	CD ▶/II	See "Playing Back a Disc/USB Mass Storage Class Device" on page 4.
	USB	USB ▶/II	
	iPod	iPod ▶/II	See "Listening to an iPod/Viewing Images on the iPod" on page 5.
	TUNER/AUDIO IN	TUNER AUDIO IN	Press repeatedly to select "FM," "AM," or "AUDIO IN" as the source. FM → AM → AUDIO IN. See "Listening to FM and AM Broadcasts" on page 5 or "Listening to Other Equipment" on page 7.
Adjust the volume	VOL +	VOLUME + −	—
Drop the volume in a moment	—	FADE MUTING	To restore the volume, press again, or adjust the volume level.
Select the Sound Mode	—	SOUND MODE	Press repeatedly to select the desired Sound Mode. The SOUND indicator lights up. ROCK → POP → CLASSIC → JAZZ → FLAT → SAMBA → SALSA → REGGAE (canceled)
Emphasize the sound (Sound Turbo)	S.TURBO	SOUND TURBO	The S.TURBO indicator lights up. To cancel this function, press again.
Reinforce the bass sound (Hyper Bass Sound)	—	HBS	The HBS indicator lights up. When Sound Turbo function is activated (see above), the HBS indicator goes off and HBS button does not work. To cancel this function, press again.
Change the display brightness	ECO/DIMMER DEMO	ECO DIMMER	Press repeatedly when the System is turned on. DIM ON → DIM OFF (canceled)
Turn off the display while on standby	ECO/DIMMER DEMO	ECO DIMMER	Press repeatedly while the System is on standby. DISP OFF → ECO ON → Clock. DISP OFF: Turns off the display with the motion sensor on. ECO ON: Turns on the ECO (Ecology) Mode. ECO Mode reduces power consumption while the System is on standby by turning off the display and motion sensor.

NOTE:
DO NOT turn off (standby) 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.

Display Demonstration
When you plug in the System, the display demonstration automatically starts.
To cancel the display demonstration, press and hold DEMO until "DEMO CLR" is displayed while the System is in standby.
• When the ECO Mode is activated, the display demonstration does not work (and you cannot deactivate it).

Laser Touch Operation
You can use ◀◀/▶▶ and VOL +/− on the front panel by sliding your finger up or down on the illumination.
To use ◀◀/▶▶   To use VOL +/−

Using Headphones
Be sure to turn down the volume before connecting or putting on the headphones.
• Connecting the headphones will deactivate the speakers.
• Sound adjustments also affect the sound through the headphones.

Motion Sensor on the Front Panel
When you move your hand close to the front panel while the System is on standby, the controls on the front panel illuminate.
• When no operation is done for about 5 seconds, the illumination turns off.
• When the ECO Mode is activated, the motion sensor does not work.

Touch to turn on the System.

Getting Started

■ Supplied Accessories
After unpacking, check to be sure that you have all the following items.
• Remote control, RM-SUXGN6U (× 1)
• Lithium coin battery (× 1: installed in the remote control)
• AM loop antenna (× 1)
• FM antenna (× 1)
• Video cord (× 1)
If anything is missing, consult your dealer immediately.

■ Prepare the Remote Control
When you use the remote control for the first time, pull out the insulation sheet.

Insulation sheet

To Replace the Battery in the Remote Control
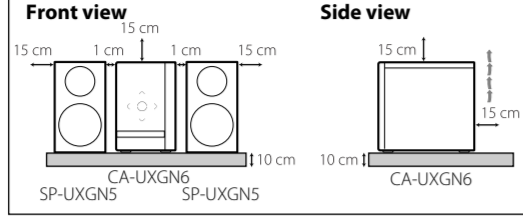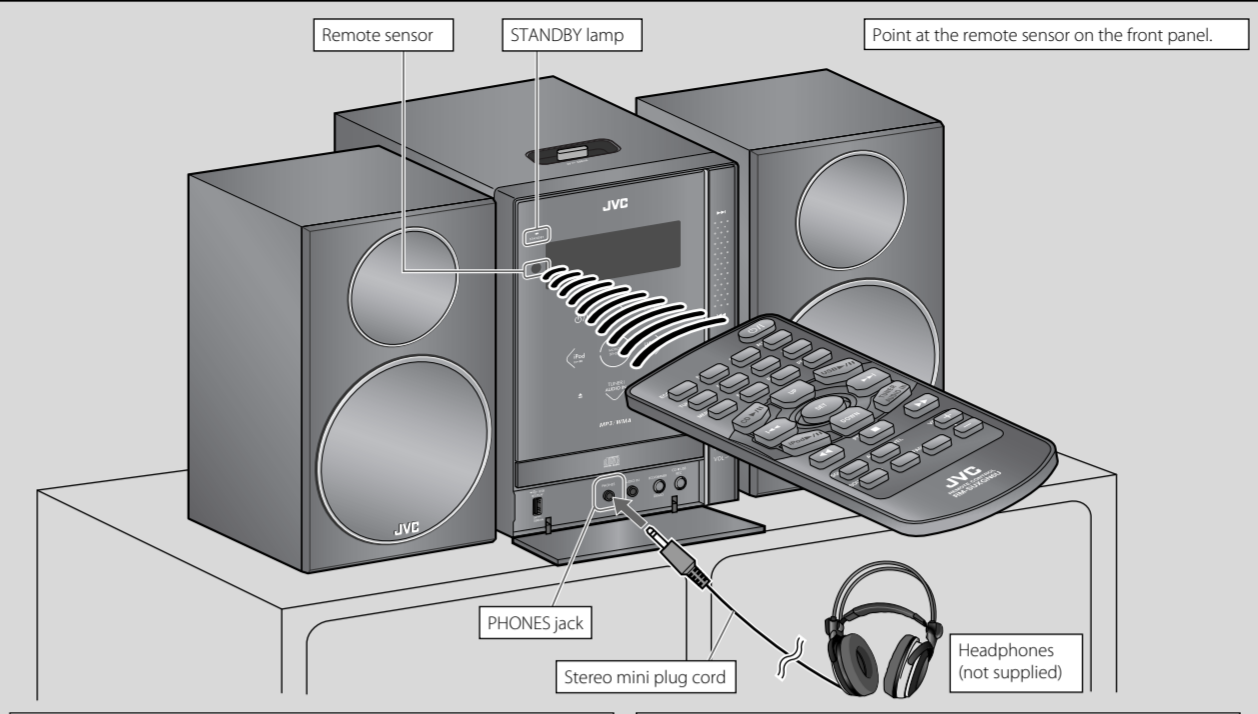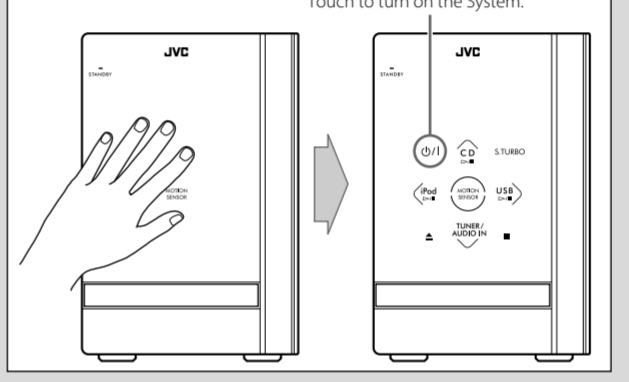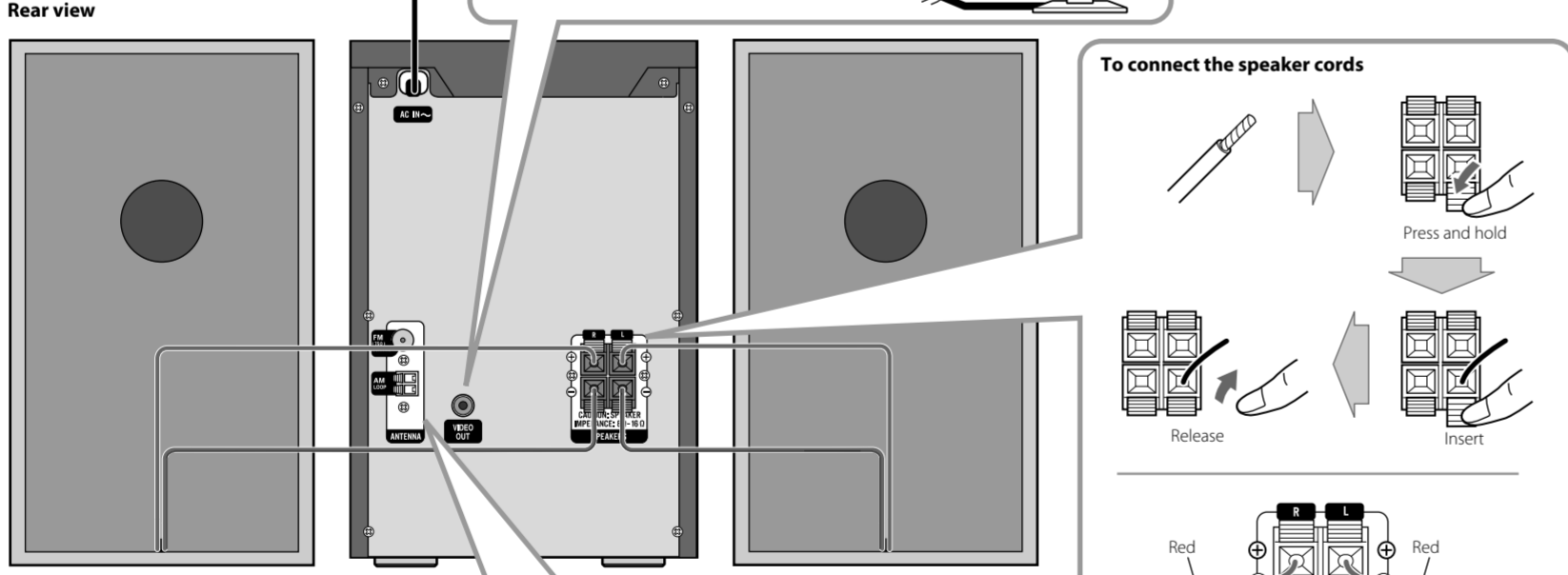Lithium coin battery (product number: CR2025)

NOTES:
• Store the battery in a place where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
• To prevent the battery from overheating, cracking, or starting a fire:
  – Do not recharge, short, disassemble or heat the battery or dispose of it in a fire.
  – Do not leave the battery with other metallic materials.
  – Wrap the battery with tape and insulate when throwing away or saving it.
  – Do not poke the battery with tweezers or similar tools.
• Dispose of the battery in the proper manner, according to federal, state, and local regulations.

CAUTION:
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

■ Connections

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

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

Rear view

For iPod

To connect the monitor (not supplied)
—To view video/picture from the iPod

Video cord (supplied)   Monitor   VIDEO OUT

To connect the FM antenna (supplied)
Extend it so that you can obtain the best reception.

FM antenna (supplied)

For better FM reception
Disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 Ω wire with coaxial type connector.

Outdoor FM antenna (not supplied)

To assemble the AM loop antenna (supplied)

AM loop antenna (supplied)

To connect the AM loop antenna

Turn the AM loop antenna until the best reception is obtained.

Black
Gray

To connect the speaker cords

Press and hold

Release   Insert

Red   Red
Black   Black
From right speaker   From left speaker

CAUTION: SPEAKER IMPEDANCE: 8Ω–16Ω
SPEAKERS

NOTES:
• 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.
• Keep the AM loop antenna cable wrapped around the AM loop antenna frame, otherwise the effectiveness and sensitivity of the AM loop antenna may be reduced.
• Make sure both the speakers are connected correctly and firmly.
• When connecting the speaker cords, match the polarity of the speaker terminals: red color to (+) and black color to (–).
• 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.

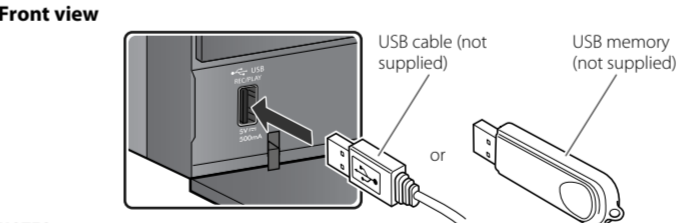## Playing Back a Disc/USB Mass Storage Class Device

This System can play back...
– CD.
– CD-R/CD-RW recorded in audio CD format (CD-DA) or recorded MP3/WMA files in ISO 9660 format.
– USB mass storage class device containing MP3/WMA files.
• When playing back an MP3 or WMA track, corresponding indicator lights up.

■ Loading a Disc (on the System only)
1. Touch to open the disc tray.
2. • When using an 8 cm disc, place it on the inner circle of the disc tray.
3. Touch to close the disc tray.

■ Connecting a USB Mass Storage Class Device
You can connect a USB mass storage class device such as a USB flash memory device, MP3 player, multimedia card reader, etc. to the System.

Front view

USB cable (not supplied)   USB memory (not supplied)

NOTES:
• When connecting with a USB cable, use the USB 2.0 cable whose length is less than 1 m.
• USB mass storage class device is charged through the USB REC/PLAY terminal when the System is turned on and the source is "USB."
• You cannot connect a computer to the USB REC/PLAY terminal of the System.
• Do not disconnect the USB mass storage class device when the System is turned on. It may cause malfunction of both this System and the device.
• Noise and static electricity may stop the USB mass storage class device sound. In this case, disconnect the USB mass storage class device and connect it again after turning off the System.
• Depending on the shape of USB mass storage class device, the USB REC/PLAY terminal may not be fully inserted into the USB REC/PLAY terminal on the System. In such a case, use a USB extension cable (not supplied) to connect.

■ Prohibiting Disc Ejection (on the System only)
You can lock the disc tray so that no one can eject the loaded disc.
While the System is on standby...
■ + ⏏   **To cancel the prohibition,** repeat the same procedure.

■ Basic Disc/USB Mass Storage Class Device Operations

To	Press	Indication/Result
Play back the disc	CD ▶/II	During playback, press again to pause.
Play back the USB mass storage class device	USB ▶/II	
Stop playback	■	While playback is stopped, total track number and total playing time (for MP3/WMA files, group number and track number) appear.
Select a track	▶▶I	Select the next tracks.
	I◀◀	To go back to the beginning of the current or previous tracks.
Select a group (MP3/WMA only)	UP	Select the next groups.
	DOWN	Select the previous groups.
Forward search/ Reverse search	▶▶	Press and hold to fast-forward the track during playback.
	◀◀	Press and hold to fast-reverse the track during playback.
Change the display information	DISPLAY	(For MP3/WMA) Press repeatedly.

NOTES:
• If no disc is inserted or no USB mass storage class device is connected, "NO DISC" or "NO USB" appears on the main display.
• If MP3/WMA files are not recorded on the disc or in the USB mass storage class device, "NO PLAY" appears on the main display.

■ Playing Repeatedly—Repeat Play
1. REPEAT   Press repeatedly to specify the repeat mode as follows:
RPT TRK → RPT GRP → RPT ALL → RPT OFF

RPT TRK: Repeats the current (or specified) track. [↺1]
RPT GRP: Repeats all tracks in the current group (MP3/WMA only). [↺]
RPT ALL: Repeats all tracks. [↺ALL]
RPT OFF: Normal playback

2. CD ▶/II or USB ▶/II

■ Programming the Playing Order—Program Play
(only for Disc)

1. CD ▶/II → ■   Select disc as the source.
2. PROGRAM   Activate the Program Play.
3. ▶▶I or I◀◀   Select tracks you want for Program Play. For MP3/WMA files only: You can also use UP or DOWN.
4. SET   Press to store the selected track.
5. Repeat steps 3 and 4 to program other tracks you want. If you try to program a 33rd track, "PGM FULL" appears.
6. CD ▶/II   The program is completed and the tracks are played back in the programmed order.

Operations for Program Play (while not playing)
• To check the programmed contents, press I◀◀ or ▶▶I.
• To erase the entire program, press and hold CANCEL for about 2 seconds.
• To exit from Program Play, press ■.
– The stored program is kept.

■ Playing at Random—Random Play (only for Disc)
1. CD ▶/II   Select disc as the source.
2. RANDOM   Press repeatedly to select the desired Random Mode.
RND ALL → RND GRP → RND OFF

RND ALL: Plays all tracks in random order. [ALL RND]
RND GRP: Plays tracks in the current group in random order. (MP3/WMA only). [RND]
RND OFF: Normal playback

3. CD ▶/II   Playback starts in random order.
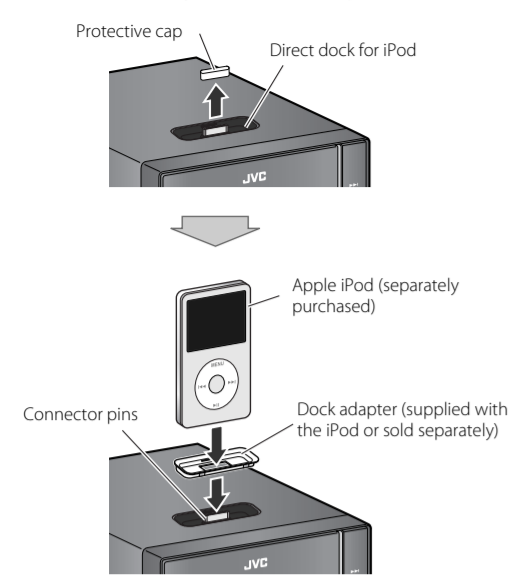
Operations for Random Play
• To skip a track, press ▶▶I.
• To go back to the beginning of the current track, press I◀◀.

Connecting an iPod

Insert the iPod directly to the connector pins.

Protective cap

Direct dock for iPod

Apple iPod (separately purchased)

Connector pins

Dock adapter (supplied with the iPod or sold separately)

To detach the dock adapter from the dock:
Pull up the dock adapter with your fingernail or sharp pointed tool using the slot.
• Be careful not to injure your fingertips or damage the terminal of the dock.

• Be sure to reduce the volume on the System to the minimum level before connecting an iPod. Adjust the volume after starting playback.
• DO NOT connect or disconnect the iPod when the System is turned on.
• You cannot send any data to your iPod from the System.
• Do not carry the System with iPod connected. You might drop the iPod or it might cause damages to the iPod dock.
• Do not touch or hit the iPod terminal pins or connector pins in the iPod dock directly. It might cause damages to the connector part.
• Before viewing a video/picture from your iPod on your monitor, make the appropriate video setting on the iPod. For details of the setting, refer to the instruction manual for the iPod.

Basic iPod Operations

To	Press	Indication/Result
Play back an iPod	iPod▶/❙❙	The System detects the iPod and starts playback.
Select a track	▶▶❙	Select the next tracks.
	❙◀◀	To go back to the beginning of the current or previous tracks.
Forward search/ Reverse search	▶▶❙	Press and hold to fast-forward the track during playback.
	❙◀◀	Press and hold to fast-reverse the track during playback.
Display the menu/Go back to the previous menu	MENU/CANCEL	—
Select an item on the menu	UP or DOWN, SET	• The UP/DOWN buttons work in the same way as operating the click wheel of iPod counterclockwise/clockwise. (Refer to the instruction manual for the iPod for details.)
Play back at random	RANDOM	• Refer to the instruction manual for the iPod for details.
Play back repeatedly	REPEAT	• Refer to the instruction manual for the iPod for details.
Change the display information	DISPLAY	Press repeatedly.

Selecting AM Tuner Interval Spacing

(on the System only)
Some countries space AM stations 9 kHz apart, and other countries use 10 kHz spacing. Before operating the tuner, select the appropriate AM tuner interval spacing used for your area.
• You cannot change the AM tuner interval spacing while the ECO (Ecology) Mode is activated.

1 Select AM as the source.

2 Turn off (standby) the System.

3 Press and hold to change the AM tuner interval spacing.

9K STEP ◀━▶ 10K STEP

Basic Tuner Operations

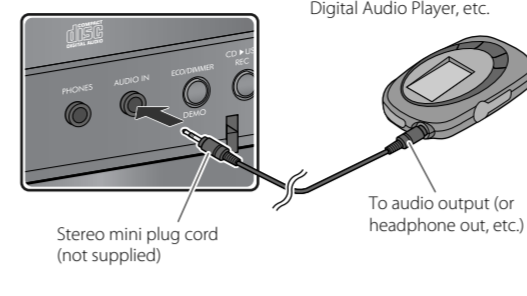| To	Press	Indication/Result
Select FM or AM	TUNER AUDIO IN	Press repeatedly to select "FM" or "AM." • The selected frequency band appears.
Select a frequency	▶▶❙ or ❙◀◀	Press and hold for more than 2 seconds. The System starts searching for stations and stops when a station of sufficient signal strength is tuned in. • Press during searching to stop. • Press repeatedly to change the frequency step by step.
Tune in to a preset station • For presetting stations, see the right column.	UP or DOWN	Press repeatedly to select its preset number.
Change the FM reception mode (When an FM stereo broadcast is hard to receive)	TUNER MODE	Press to improve reception. The M (mono) indicator lights up. Stereo effect will be lost. **To restore the stereo effect,** press again. The S (stereo) indicator lights up.

Presetting Stations

You can preset 30 FM and 15 AM stations manually.

1 Tune in to a station you want to preset.
• You can also store the FM reception mode.

2 SET — Press to activate the preset number entry mode.
• Finish the following steps while the indication on the display is flashing.

3 UP or DOWN — Press to select a preset number for the station you want to store.

4 SET — Press to store the station.

Front view

Digital Audio Player, etc.

Stereo mini plug cord (not supplied)

To audio output (or headphone out, etc.)

1 VOLUME + — Turn the volume to minimum.

2 TUNER AUDIO IN — Press repeatedly to select "AUDIO IN."

3 Start playing the connected equipment.

4 VOLUME + — Adjust the volume.

To Preset the Audio Input Level

If the sound from the equipment connected to the AUDIO IN jack is too quiet, you can change the audio input level through the AUDIO IN jack (without changing the volume level).

AUDIO IN LEVEL — Press repeatedly to select the level as follows:

NORMAL ▶ HIGH

NORMAL: Ordinary input level.
HIGH: Increases the input level.

Basic and Common Operations (see page 3)
• Pressing one of the source buttons also turns on the System and starts playing back if the source is ready or connected.
• You cannot use the Sound Mode and Sound Turbo at the same time.

Playing Back a Disc/USB Mass Storage Class Device (see page 4)
• This System cannot play "packet write" discs.
• For MP3/WMA playback...
– In this manual, "file" and "track" are interchangeably used.
– This System can show the Tag data (Version 1).
– 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 result 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> or <.wma> (regardless of the letter case—upper/lower).
– 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 cannot play back files made at a bit rate of less than 64 kbps.
– Playback order of MP3/WMA tracks may be different from the one you have intended while recording. If a folder (group) does not include MP3/WMA tracks, they are ignored.
• Do not use the following USB mass storage class devices...
– Whose rating is other than 5 V and exceeds 500 mA.
– Equipped with special functions such as data security functions.
– Divided by 2 or more partitions.
• For the USB mass storage class device playback...
– When connecting a USB mass storage class device, also refer to its manual.
– Connect one USB mass storage class device to the System at a time. Do not use a USB hub.
– This System is compatible with USB 2.0 Full Speed.
– You can play back MP3/WMA files in a USB mass storage class device (maximum data transfer rate: 2 Mbps).
– You cannot play back a file larger than 2 Gigabytes.
– This System may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management)
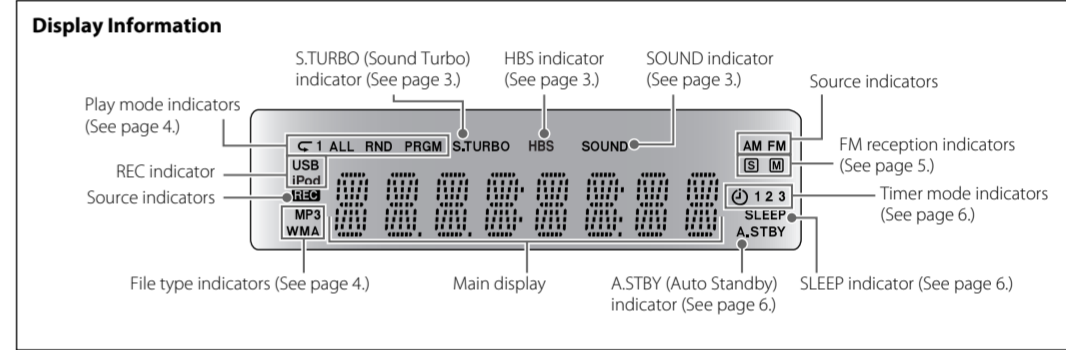• This System can recognize up to 255 groups in a disc. The total number of groups and tracks (in a disc) that can be recognized by the System is 512 (for MP3/WMA).
• This System can recognize up to 99 groups and 999 tracks (with a maximum number of 255 tracks in a group) in a USB mass storage class device.
• Prohibiting disc ejection (or canceling it) is not available when the display is turned off ("DISP OFF") or the ECO Mode is activated ("ECO ON") (see page 3).

Listening to an iPod/Viewing Images on the iPod (see page 5)
• Compatible iPod:

iPod model	Audio	Video
iPod nano 1GB/2GB/4GB	✓	–
iPod nano (2nd Generation) 2GB/4GB/8GB	✓	–
iPod nano (3rd Generation) 4GB/8GB	✓	✓
iPod nano (4th Generation) 8GB/16GB	✓	✓
iPod mini 4GB/6GB	✓	–
iPod mini (2nd Generation) 4GB/6GB	✓	–
iPod (4th Generation) 20GB/40GB	✓	–
iPod classic 80GB/160GB	✓	✓
iPod photo (4th Generation) 20GB/30GB/40GB/60GB	✓	✓
iPod video (5th Generation) 30GB/60GB/80GB	✓	✓
iPod touch 8GB/16GB	✓	✓
iPod touch (2nd Generation) 8GB/16GB	✓	✓

• If incompatible iPod is connected, the iPod may not be operated from the System.
• When an iPod is connected to the System, the battery in the iPod is charged through the iPod terminal (except when the ECO Mode is activated).
• Sound distortion may occur when playing back audio sources with high recording levels. When distortion occurs, it is recommended to turn off the equalizer of the iPod. For information on operating the iPod, see the iPod instruction manual.

Setting the Clock and Using Timers (see page 6)
• You cannot set the clock and Daily Timer while the ECO (Ecology) Mode is activated.
• The clock may gain or lose 1 to 2 minutes per month. If this happens, adjust the clock.
• When you unplug the AC power cord or if a power failure occurs, the clock and the timer will be canceled. You need to set the clock first, then the timer again.

Timer Priority:
• If you activate the Sleep Timer after Daily Timer starts playing the selected source, Daily Timer is canceled.

JVC bears no responsibility for any loss of data in USB storage class device while using this System.

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Display Information

S.TURBO (Sound Turbo) indicator (See page 3.)
HBS indicator (See page 3.)
SOUND indicator (See page 3.)
Source indicators
Play mode indicators (See page 4.)
REC indicator
Source indicators
File type indicators (See page 4.)
Main display
A.STBY (Auto Standby) indicator (See page 6.)
SLEEP indicator (See page 6.)
FM reception indicators (See page 5.)
Timer mode indicators (See page 6.)

Recording Operations

Before You Start recording

• 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 program and in any literary, dramatic, musical, or artistic work embodied therein.
• The recording level is not affected by the volume.
• Hyper Bass Sound and Sound Turbo (see page 3) do not affect recordings.
• You can record up to 999 tracks per group to the USB mass storage class device. If you try to record a track after recording 999 tracks, "FILEFULL" appears on the display and the track will not be recorded.
• The tracks which are recorded to the USB mass storage class device will be converted into MP3 format (bit rate: 128 kbps).
• You cannot start recording into a USB mass storage class device while "READING" is shown on the display.
• Do not disconnect a USB mass storage class device while playing or recording. It may cause malfunction.
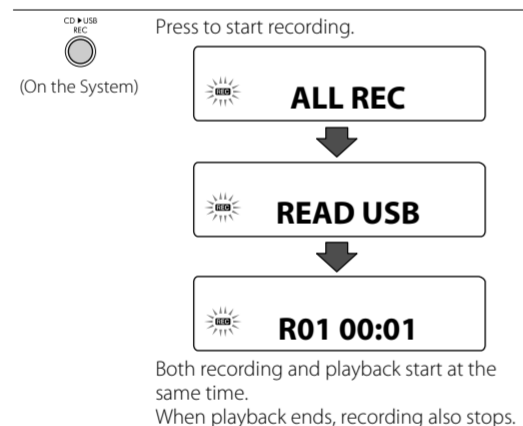• During recording, the Random Play and Repeat Play will be cancelled.

About SCMS (Serial Copy Management System)

The System uses the Serial Copy Management System which allows only first-generation digital copies to be made of premastered software such as regular CDs.
If you try to record from a duplicated disc into the USB mass storage class device, "CAN NOT COPY" appears on the display.
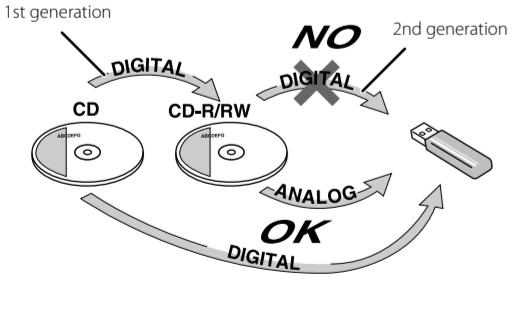
1st generation   2nd generation

DIGITAL NO
CD CD-R/RW DIGITAL
ANALOG
OK
DIGITAL

Recording from a Disc

You can record tracks digitally from a CD onto the USB mass storage class device.
• Do not vibrate the System while recording tracks. It may damage the recorded tracks.

Press to start recording.
(On the System)

ALL REC
↓
READ USB
↓
R01 00:01

Both recording and playback start at the same time.
When playback ends, recording also stops.
• If you have programmed the playing order for CD (see "Programming the Playing Order—Program Play" on page 4), the tracks are recorded in the programmed order if Program Play is activated.
• To stop recording manually, press ■.

To record the playing track

Press to start recording while playing back the track to record.

To erase tracks/groups

You can erase tracks/groups on the USB mass storage class device.
• Once the tracks are erased, you cannot recover them.
• To quit erasing, press ■.

1 Select a track/group you want to erase while playback is stopped. (See page 4.)

2 DELETE

3 SET or ❙◀◀ — Select the target to erase.
TTL DEL: Delete a track.
GRP DEL: Delete a group.
DEL ALL: Delete all tracks.

4 SET

5 ▶▶❙ or ❙◀◀
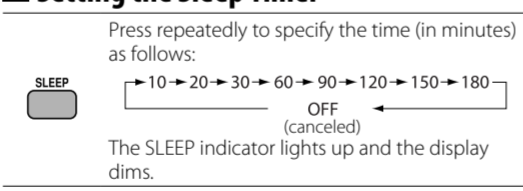DEL NO: Cancel erasure.
DEL YES: Continue erasure.

6 SET

Setting the Clock and Using Timers

Setting the Clock

Without setting the built-in clock, you cannot use Daily Timer.
• To go back to the previous step, press MENU/CANCEL.

1 CLOCK — Press to activate the clock setting mode.

00:00

2 ▶▶❙ or ❙◀◀ — Adjust the hour, then the minute.

3 SET

Setting the Sleep Timer

Press repeatedly to specify the time (in minutes) as follows:

SLEEP ▶10 ▶20 ▶30 ▶60 ▶90 ▶120 ▶150 ▶180
OFF (canceled)

The SLEEP indicator lights up and the display dims.

To check the remaining time until the System shuts off, press SLEEP once.

Turning Off the System Automatically —Auto Standby function (only for Disc/USB/iPod)

Press to activate the Auto Standby.
AUTO STBY — • The A.STBY indicator lights up.
• The A.STBY indicator starts flashing after playback stops.
If no operation is done for about 3 minutes, the System turns off.

To cancel this function, press the button again.

Setting the Daily Timer

Using Daily Timer, you can wake up with your favorite music.
• You can store three Daily Timer settings; however, you can activate only one of the Daily Timers.
• To correct a misentry during the process, press MENU/CANCEL. You can return to the previous step.

1 TIMER — Press repeatedly to select one of the timer you want to set—TIMER-1, TIMER-2, or TIMER-3.
TIMER-1 ▶ TIMER-2 ▶ TIMER-3
Canceled ◀

2 SET

3 ▶▶❙ or ❙◀◀
① Adjust the hour then the minute for on-time.
② Adjust the hour then the minute for off-time.
③ Select the playback source—"DISC," "USB HOST," "TUNER FM," "TUNER AM," "AUDIO IN," or "IPOD."
④ For "TUNER FM" or "TUNER AM": Select a preset channel.* For "DISC" or "USB HOST": Select a track. (For MP3/WMA: Select the group, then the track number.)
⑤ Select the volume.

4 ⏻/❙ — Turn off the System (on standby).
• When the on-time comes, the System starts playing the specified source and sets the volume gradually to the preset level.

* If no preset channel is stored, "NOMEMORY" appears. When the on-time comes, the System tunes in to the station last tuned in.
To exit from the timer setting, press TIMER as required.

To Turn Off the Daily Timer

① TIMER — Press repeatedly to select "TIMER-1," "TIMER-2," or "TIMER-3."
② MENU/CANCEL

To turn on the Daily Timer again, select one of the timer settings by pressing TIMER, then press SET.

Maintenance

To get the best performance of the System, keep your discs 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.
• 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.

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, 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.

Troubleshooting

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

General

Power does not come on.
➡ Power plug is not inserted securely. Plug in securely.

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.

Radio Operations

Hard to listen to broadcasts because of noise.
➡ Antenna connections are incorrect or loose.
➡ The AM loop antenna is too close to the System.
➡ The FM antenna is not properly extended and positioned.
➡ Electrostatic discharge from your body may cause noise. If this happens, turn off and on the System again.

Recording Operations

Unable to record into the USB device.
➡ The capacity of the USB device is full. Erase some tracks.
➡ You have recorded 999 tracks or groups on the USB mass storage class device. Erase unwanted tracks.
➡ The USB mass storage class device is write-protected.
➡ The USB mass storage class device you connected is incompatible to this System.

Display Messages for Recording Operations
NODEVICE
• No USB mass storage class device is connected or the connected USB mass storage class device is not compatible with this System.
D. (data) FULL
• The capacity of the USB mass storage class device is full.
FILEFULL
• The USB mass storage class device has exceeded the maximum number of files it can support.
W. (write) PROT
• The USB mass storage class device is write-protected.
CAN NOT COPY
• You have tried to copy from a duplicated disc to the USB mass storage class device.
D. (device) FAIL
• The System failed to read the USB mass storage class device.

iPod Operations

The iPod does not play, but "CONNECT" appears on the display.
➡ The iPod battery is low or exhausted. Charge the iPod battery.

The video/picture from the iPod is not displayed on the monitor.
➡ The video settings on the iPod is incorrect. Refer to the instruction manual for the iPod.

Disc/USB Mass Storage Class Device Operations

The disc/USB mass storage class device does not play.
➡ The disc is placed upside down. Place the disc with the label side up.
➡ The USB mass storage class device is not connected properly.

MP3/WMA groups and tracks are not played back as you expect.
➡ Playing order is determined when the groups and tracks were recorded. It depends on the writing application.

The disc/USB mass storage class device sound is discontinuous.
➡ The disc is scratched or dirty.
➡ MP3/WMA files have not been properly copied into the USB mass storage class device.

Sounds from USB mass storage class device are interrupted.
➡ Noise and static electricity may stop the sound. In this case, disconnect and connect the USB mass storage class device again after turning off the System.

The disc tray does not open or close.
➡ The AC power cord is not plugged in.
➡ Disc ejection is prohibited (see page 4).

The System does not work properly.
➡ Many functions of this System are implemented by microcomputers. If the System does not work correctly, disconnect the AC power cord from the wall outlet, wait for a while, and connect the cord again.

No sound is heard.
➡ Speaker connections are incorrect or loose.
➡ Headphones are connected.

Unable to operate the System from the remote control.
➡ The path between the remote control and the remote sensor on the System is blocked.
➡ The batteries are exhausted.

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.

Specifications

Amplifier section
OUTPUT POWER:
120 W (60 W+60 W) at 8 Ω (10% THD)
Speakers/Impedance: 8 Ω – 16 Ω
Audio input AUDIO IN: 500 mV/50 kΩ (at "NORMAL")
250 mV/50 kΩ (at "HIGH")
Digital input: USB REC/PLAY

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

Disc player section
Dynamic range: 80 dB
Signal-to-noise ratio: 85 dB
Wow and flutter: Immeasurable

USB storage
USB specification: Compatible with USB 2.0 Full Speed
Compatible device: Mass storage class
Compatible file system: FAT16, FAT32
Bus power supply: DC 5 V ⎓ 500 mA

iPod section
iPod output power: DC 5 V ⎓ 500 mA
VIDEO OUT: Composite

General
Power requirements: AC 240 V ∿, 50 Hz
Power consumption: 36 W (power on)
5 W (standby mode)
1 W or less (ECO Mode)
Dimensions (approx.): 165 mm x 250 mm x 272 mm (W x H x D)
Mass (approx.): 3.5 kg

Speakers
Speaker units: 4 cm cone x 1
12 cm cone x 1
Impedance: 8 Ω
Dimensions (approx.): 140 mm x 250 mm x 183 mm (W x H x D)
Mass (approx.): 1.8 kg each

Specifications and appearance are subject to change without prior notice.

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