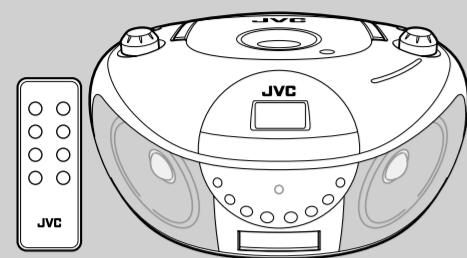# JVC

CD PORTABLE SYSTEM

RD-EZ16

MP3/WMA PLAYBACK

COMPACT disc DIGITAL AUDIO

Thank you for purchasing a JVC product.
Before operation, please read the instructions carefully.

INSTRUCTIONS

LVT1979-015A
[US]

Warnings, Cautions and Others

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
The ⏻ OFF switch in any position does not disconnect the mains line.
Disconnect the mains plug to shut the power off completely.
The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

EN
©2010 Victor Company of Japan, Limited

0910TMMMDWMTS

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.

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.

[European Union Only]

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 indicated by the dimensions in the illustration.
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.
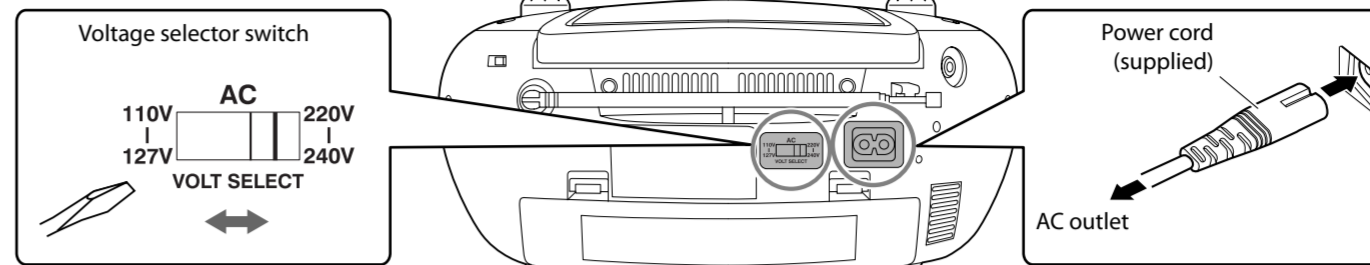
Front view

Side view
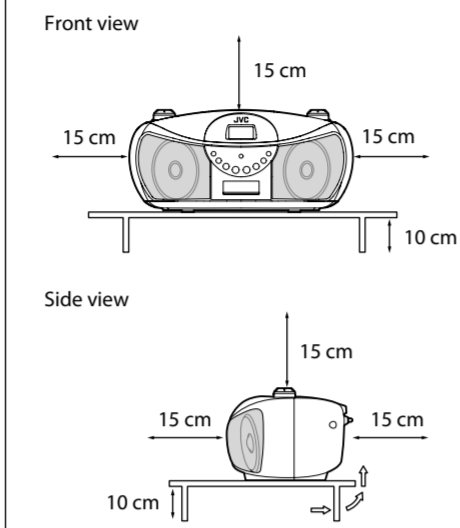
PREPARATION

Selecting the voltage for your area

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

Voltage selector switch

110V–127V AC 220V–240V
VOLT SELECT

Inserting batteries

Main unit
Match the polarities (+ and –) of the batteries.

Battery compartment

R14(SUM-2)/C(14D)
(not supplied)

NOTE
• The power will not be supplied through the batteries when the power is supplied through the AC IN ⏦ jack on the unit.
• The battery is consumed more quickly than usual when operating the unit continuously or operating it in a cold place.

CAUTION
To avoid battery leakage or explosion, handle batteries properly.
• If you are not going to use this unit for a month or more, remove the batteries from the battery compartment.
• Dispose of batteries in the proper manner, according to federal, state, and local regulations.
• Do not mix with batteries of different types or with new and old ones.
• Do not attempt to charge any batteries other than rechargeable ones.
• Discard leaky batteries immediately.
Battery leakage can cause skin burns or other personal injuries.
• If chemicals leak onto the unit, clean the unit completely.
• Battery shall not be exposed to excessive heat such as sunshine, fire or the like.

Connecting the power cord

Power cord (supplied)

AC outlet

NOTE
• The power can also be supplied through the batteries (see below).
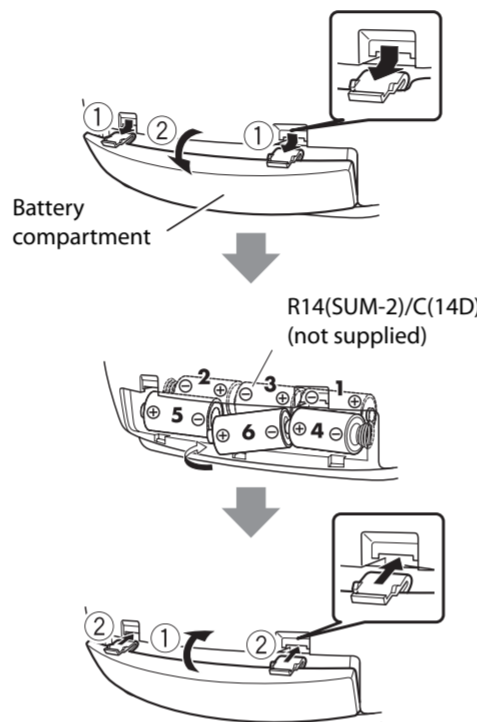• A small amount of power is always consumed even while on standby.

CAUTION
• **Only use JVC power cord provided for this unit to avoid malfunction or damage to the unit.**
• **Remove batteries when using the power cord.**
• **Be sure to unplug the power cord from the outlet when going out or when the unit is not in use for an extended period of time.**
• **If the wall outlet does not match the AC plug, use the supplied AC plug adaptor.**

Remote control

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

Insulation sheet
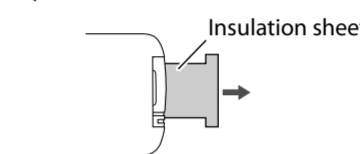
Replacing the Battery in the Remote Control
Insert the battery into the remote control by matching the polarity (+ and –) correctly.

Lithium coin battery
(product number: CR2025)
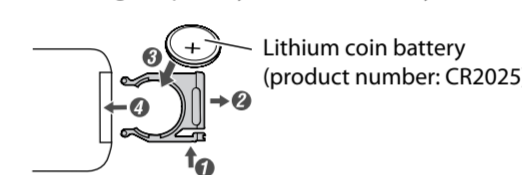
CAUTION:
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type.

NOTE
• Store the battery in a place where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately.
• Do not recharge, short, disassemble or heat the battery or dispose of it in a fire. Doing any of these things may cause the battery to give off heat, crack, or start a fire.
• Do not leave the battery with other metallic materials. Doing this may cause the battery to give off heat, crack, or start a fire.
• When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the battery may start to give off heat, crack, or start a fire.
• Do not poke the battery with tweezers or similar tools. Doing this may cause the battery to give off heat, crack, or start a fire.
• Dispose of battery in the proper manner, according to federal, state, and local regulations.
• The batteries (battery pack or batteries installed) shall not be exposed to excessive heat source such as sunshine, fire or the like.
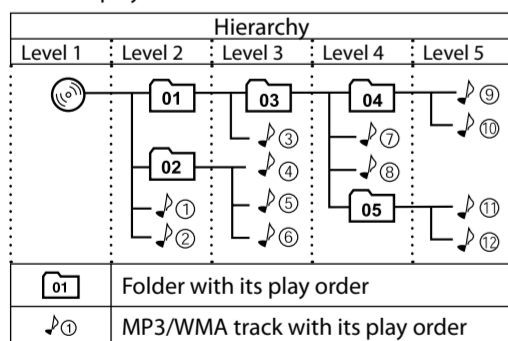

ABOUT DISC/FILE

Playable discs/files

Discs	CDs with one of the marks below on the surface.
	COMPACT disc DIGITAL AUDIO / COMPACT disc DIGITAL AUDIO Recordable / COMPACT disc DIGITAL AUDIO ReWritable
Files	• Files in audio CD format and MP3/WMA files on a finalized CD-R or CD-RW. • MP3/WMA files in a USB device.

MP3/WMA folders/tracks configuration

This unit plays back MP3/WMA tracks as follows.

Hierarchy

Level 1	Level 2	Level 3	Level 4	Level 5

01	Folder with its play order
♪①	MP3/WMA track with its play order

Notes on discs/files

• MP3/WMA discs require a longer readout time than regular CDs. (It depends on the complexity of the folder/file configuration.)
• Some MP3/WMA files cannot be played back and will be skipped. This results from their recording processes and conditions.
• When making MP3/WMA discs, use ISO 9660 Level 1 for the disc format.

• This unit 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 file at a sampling rate of 44.1 kHz and at a bit rate of 128 kbps. Similarly each WMA file at a sampling rate of 44.1 kHz and at a bit rate of 96 kbps.
• Playback order of MP3/ WMA files may be different from the one you have intended when recording. If a folder does not contain MP3/ WMA files, it is ignored.
• This unit cannot play "packet write" discs.
• If a CD-RW has been recorded in a different format, erase all data on the CD-RW completely before recording on it.
• This unit can recognize up to 511 tracks and 255 folders on a disc and up to 999 tracks and 128 folders (up to 128 tracks in a folder) on a USB device. Those exceeding the maximum numbers cannot be recognized.
• The reflection factor of CD-RW is lower than that of other CDs, possibly causing CD-RW to take longer time to read.
• In this manual, "file" and "track" are interchangeably used for MP3/WMA operations.

Important for USB device

For connecting/disconnecting:
• USB Memory and DAPs compatible with the USB mass storage class specifications are connectable.
• Always set the volume to the minimum level when connecting or disconnecting a USB mass storage class device.
• When connecting with a USB cable, use the USB 2.0 cable less than 1 m in length.
• You cannot connect a computer to the USB MEMORY terminal of the unit.
• Connect one USB mass storage class device to the unit at a time. Do not use a USB hub.
• You cannot charge the USB mass storage class device through the USB MEMORY terminal.

For playing back:
• When connecting a USB mass storage class device, refer also to its manual.
• You can play back MP3/WMA files on a USB mass storage class device (maximum data transfer rate: 2 Mbps).
This unit may not play back some files even though their formats are listed above.
• While playing back a file in a USB mass storage class device, do not disconnect the USB mass storage class device. It may cause malfunction of both this unit and the device.
• This unit is compatible with USB 2.0 Full Speed.
• You cannot play back a file larger than 2 Gigabytes.
• When playing a file of a large transfer rate, sounds may be dropped during playback.
• This unit cannot recognize a USB mass storage class device whose rating is other than 5 V and does not exceed 500 mA.
• You cannot send any data to your USB mass storage class device from this unit.
• Some USB mass storage class devices may not be recognized or may not work properly.
• Some DAPs are not compatible with the unit.
• Copyrighted tracks (WMA-DRM* tracks) cannot be played back on the unit.
• Coded or encrypted tracks in a special method cannot be played on the unit.

* DRM (Digital Rights Management): Any of several technical methods used to control or restrict the use of digital media content on electronic devices with such technologies installed.

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

# REFERENCES

Care and maintenance

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

Cleaning the unit
• Disconnect the power cord before cleaning.
• Wipe off stains with a soft cloth. If the unit is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
• Since the unit 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 forcefully.
– DO NOT wipe it with thinner or benzine.
– DO NOT apply any volatile substances such as insecticides to it.
– DO NOT allow any rubber or plastic to remain in contact for a long time.

Cleaning the CD pickup lens
Keep the CD pickup lens clean, or the sound may be degraded. Use a blower (available at a camera store, etc.) to blow dust off the lens.

Blower

Lens
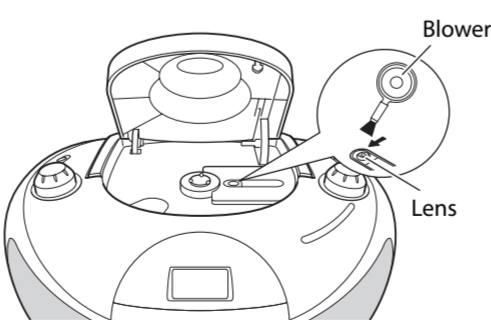
Handling discs
• Remove the disc from its case by holding it at the edge while pressing the center hole lightly.
• Do not scratch or touch the reflective recorded surface.
• Do not stick or write anything on the label side.
• Do not bend discs.
• Avoid exposure to direct sunlight, extreme temperature or moisture.
• When cleaning the disc, wipe it with a soft cloth in a straight line from center to edge. DO NOT use thinner, benzine, record cleaner or antistatic spray.

Troubleshooting

If you have a problem with this unit, check this list for a possible solution before calling for service.

General

Power does not come on.
➡ No power is supplied. Check the power cord connection or battery power.

Playback sound is at a very low level.
➡ When power is supplied with batteries:
Batteries are run down. Replace the batteries with new ones.

Unable to operate the unit from the remote control.
➡ The path between the remote control and the remote sensor on the unit is blocked.
➡ Battery in the remote control is run down. Replace the battery with new one.
➡ The FUNCTION selector is not set to CD/USB.

No sound is heard.
➡ The volume is set to minimum.
➡ Headphones are connected. Disconnect the headphones.

Radio operations

Hard to listen to broadcasts because of noise.
➡ Direction of the antenna is inappropriate. Adjust the antenna correctly.

Disc/USB device operations

The disc does not play.
➡ The selected source is other than CD.
➡ The disc is placed upside down. Place the disc with the label side facing up.
➡ The disc or the lens is dirty. Clean the disc or the lens.
➡ There is moisture condensation. Turn the unit on and wait a few hours before use.

The sound is discontinuous.
➡ The disc is scratched or dirty.
➡ MP3/WMA files are not made properly.

The USB device does not play.
➡ The selected source is other than USB.
➡ The USB device is not connected properly.

The USB device's sound stops.
➡ Noise and static electricity may stop the sound. In this case, disconnect and then connect the USB device again after turning off the unit.

Other equipment operations

The sound from the other equipment cannot be heard.
➡ The FUNCTION selector is not set to AUDIO IN.
➡ Check the connection.

SPECIFICATIONS

CD player

CD capacity:	1CD
Signal-to-noise ratio:	60 dB
Dynamic range:	60 dB

USB section

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

Tuner

FM tuning range:	88 MHz – 108 MHz
AM tuning range:	530 kHz – 1 600 kHz
Antennas:	Telescopic antenna for FM
	Ferrite core antenna for AM

General

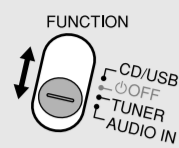|	
Speakers:	9 cm cone x 2
Speaker impedance:	4 Ω
Terminals:	USB MEMORY x 1 AUDIO IN (φ 3.5) x 1 PHONES (φ 3.5) x 1
Power supply:	AC 110 V - 127 V/AC 220 V - 240 V ⎓ (adjustable with the voltage selector), 50 Hz/60 Hz DC 9 V (R14(SUM-2)/C(14D)-size batteries x 6)
Power consumption:	16 W (at operation) 1 W or less (on standby)
Dimensions:	306 mm x 140 mm x 238 mm (W/H/D)
Mass:	Approx. 1.8 kg (without batteries)
Accessories provided:	Power cord x 1 Remote control x 1 Lithium coin battery CR2025 x 1 (The battery has been installed when shipped from the factory.) AC plug adaptor x 1

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

Design and specifications are subject to change without notice.

GENERAL CONTROLS

Selecting the source to play

Slide the FUNCTION selector to select CD/USB, TUNER or AUDIO IN.

Volume knob and function selector

Disc holder

Radio controls

Display

Disc/USB controls

Input terminals for USB device and external equipment

CD/USB:
To play back a disc/USB device. (See "DISC/USB OPERATIONS.")
• Switch the source between CD and USB by pressing CD or USB.
  – To switch the source to CD:

Main unit | Remote control
CD | CD
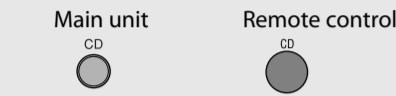
  – To switch the source to USB:

Main unit | Remote control
USB | USB

TUNER:
To listen to the radio broadcast. (See "TUNER OPERATIONS.")

AUDIO IN:
To listen to the other equipment connected to the AUDIO IN jack. (See "LISTENING TO OTHER EQUIPMENT.")

Adjusting the volume

Turn the VOLUME knob to increase or decrease the volume.
• Set the volume to minimum when you turn on the unit.

VOLUME
Decrease — Increase
MIN   MAX
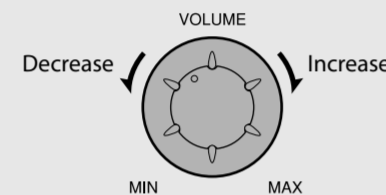
Turning the unit off

Slide the FUNCTION selector to ⏻ OFF.

FUNCTION
CD/USB
OFF
TUNER
AUDIO IN
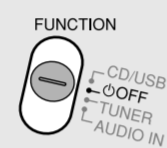
Listening with the headphones

Connect the headphones with the stereo mini plug (3.5 mm diameter) to the PHONES jack on the rear.
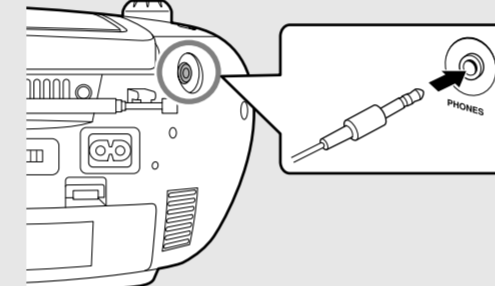
• While the headphones are connected, no sound comes out from the speakers.
• Before connecting the headphones, make sure to set the volume to minimum.

TUNER OPERATIONS
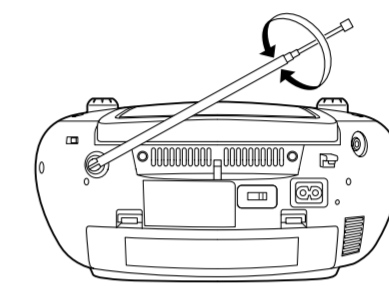
Improving the FM reception

When an FM stereo (FM ST) broadcast is hard to receive or noisy, select the monaural reception (MONO).

FM ST → MONO
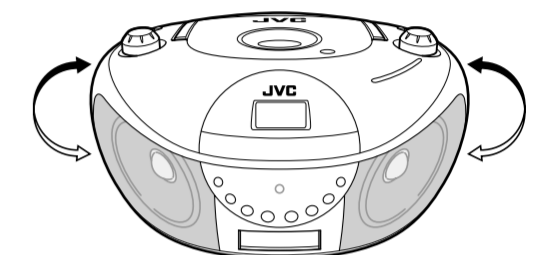
• To restore stereo reception, switch to FM ST.
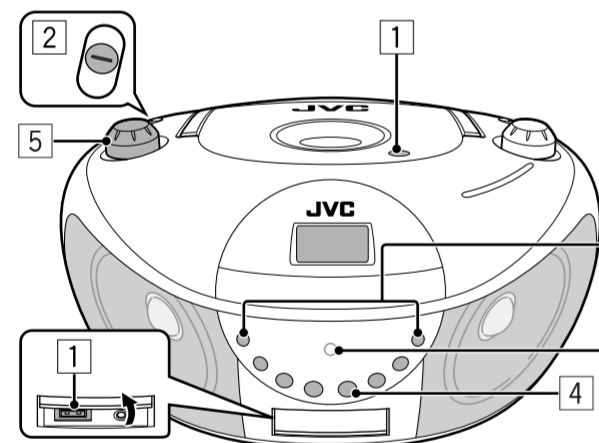
Adjusting the antenna

FM

AM
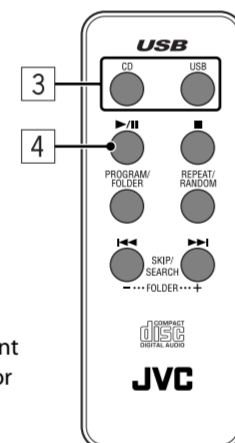The AM antenna is built in, so adjusting the position of the unit may help AM reception.

Basic procedure

1 Set the source to TUNER.

FUNCTION
CD/USB
OFF
TUNER
AUDIO IN
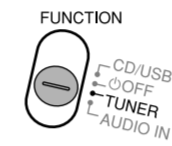
2 Select the band—FM or AM.

BAND
FM
AM

3 Select a station.

TUNING
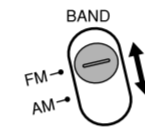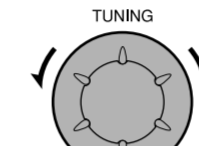
Moves to indicate the current frequency

MHz	x10kHz
108	160
106	140
104	120
	100
100	80
96	70
92	60
88	53
FM	AM

4 Adjust the volume.
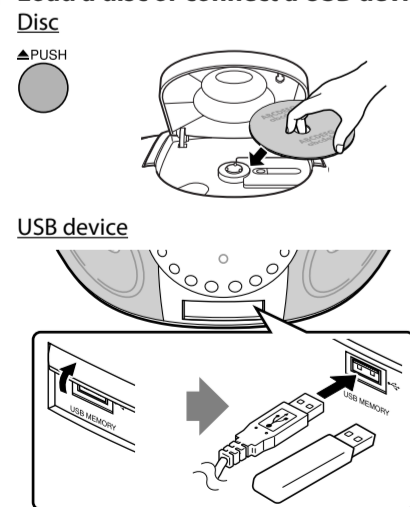

DISC/USB OPERATIONS

Main unit

Remote control

When using the remote control, point at the remote sensor directly.

Basic procedure

1 Load a disc or connect a USB device.

Disc
▲ PUSH

USB device

2 Set the source to CD/USB.

Main unit ONLY

FUNCTION
CD/USB
OFF
TUNER
AUDIO IN

3 Switch the source to CD or USB.

Disc

Main unit | Remote control
CD | CD

USB device
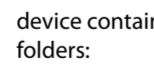
Main unit | Remote control
USB | USB
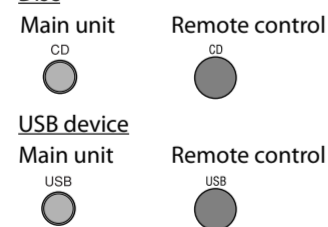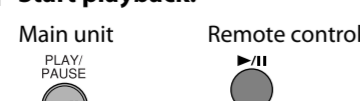
For a disc or USB device containing no folders:
1 1 4
The total number of tracks
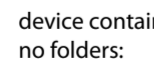
For a disc or USB device containing folders:
FOLDER
28
The total number of folders

4 Start playback.

Main unit
PLAY/PAUSE
►/II

Remote control
►/II

5 Adjust the volume.

Display during playback

• USB : lights up while selecting USB as the source.
• MP3 : lights up while playing back an MP3 file.
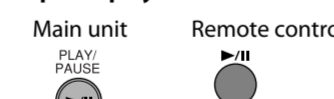• WMA : lights up while playing back a WMA file.
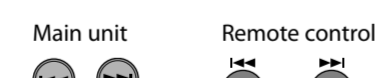
0 0 1

The current track number

To stop playback

Main unit
STOP
■

Remote control
■

• To start playback, press PLAY/PAUSE ►/II on the main unit or ►/II on the remote control.

To pause playback

Main unit
PLAY/PAUSE
►/II

Remote control
►/II

0 0 3

• To resume, press the same button again.

To select a track

Main unit
I◄◄ ►►I

Remote control
I◄◄ ►►I
SKIP/SEARCH
FOLDER +

To select a folder (for MP3/WMA)

During playback...

Main unit
PROGRAM
0 0 1
I◄◄ ►►I
Folder number

Remote control
PROGRAM/FOLDER
0 0 1
I◄◄ ►►I SKIP/SEARCH FOLDER +
Folder number
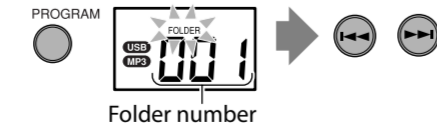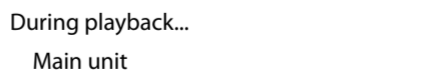
To locate a desired position on the disc/USB device

During playback...

Main unit
I◄◄ ►►I

Remote control
I◄◄ ►►I
SKIP/SEARCH
FOLDER +

Press and hold
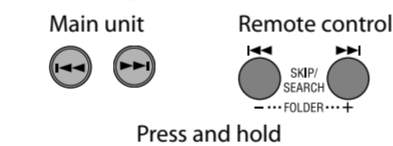
Program playback

Up to 20 tracks can be programmed to play in a desired order.
• You can program only within tracks on the disc, or tracks on the USB device.
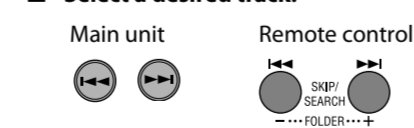
To program the playing order
While the disc/USB device playback is stopped...
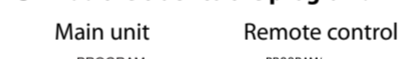
1 Show the program creation display.

Main unit
PROGRAM

Remote control
PROGRAM/FOLDER

P 0 1 → 0 0 0
Program number   Track number
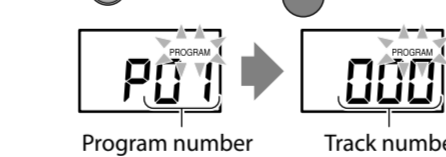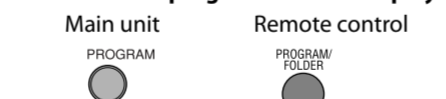
• Now you can select the first track of the program.

2 Select a desired track.

Main unit
I◄◄ ►►I

Remote control
I◄◄ ►►I SKIP/SEARCH FOLDER +

3 Add the track to the program.

Main unit
PROGRAM

Remote control
PROGRAM/FOLDER
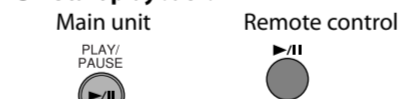SKIP/SEARCH

P 0 2 → 0 0 0
Program number   Track number

• The next program number appears on the display, then track selection display is shown.

4 Repeat steps 2 and 3.
• When the 20th track is programmed, "FUL" appears on the display and the 21th track cannot be programmed.

5 Start playback.

Main unit
PLAY/PAUSE

Remote control
►/II

To edit the program
1 While playback is stopped, press PROGRAM repeatedly to select the program number of the track you want to replace.
  • To add a track at the end of the program, press PROGRAM repeatedly until "000" is shown on the display.
2 Perform steps **2** and **3** on the left column to select a new track.

To erase the entire program
Press ■ while playback is stopped. The PROGRAM indicator disappears from the display.
• The entire program is also erased in the following cases:
  – when you open the disc cover (during disc playback).
  – when the unit is turned off.
  – when you select another source.

Repeat/Random playback

Select the desired playback mode.

Main unit
REPEAT/RANDOM

Remote control
REPEAT/RANDOM
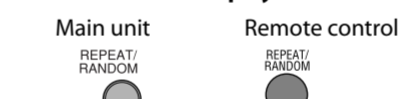
REPEAT
0 0 1

Playback mode indicator (See below.)

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

| Indicator	Playback mode
REPEAT1	Repeats the current track/file.
REPEAT FOLDER	Repeats files in a folder. (For MP3/WMA only)
REPEAT	Repeats all tracks/files.
RANDOM	Plays tracks/files at random.

To cancel, press the same button repeatedly until the indicator above disappears from the display.

• Repeat/Random playback is also canceled if the playback is stopped.
• Random playback cannot be used during program playback. If you program the playing order during random playback, random playback is canceled.
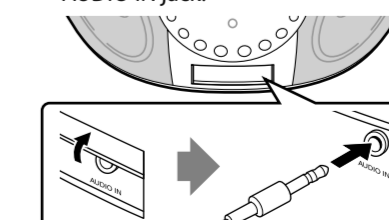

LISTENING TO OTHER EQUIPMENT

Basic procedure

1 Turn the volume to minimum.
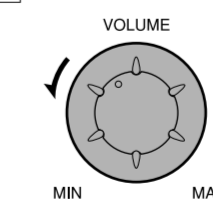
VOLUME
MIN   MAX

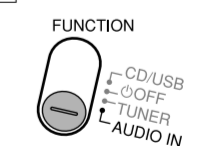**2 Connect the equipment.**
• Connect the equipment with the stereo mini plug (3.5 mm diameter) to the AUDIO IN jack.

3 Set the source to AUDIO IN.

FUNCTION
CD/USB
OFF
TUNER
AUDIO IN

4 Start playing the equipment.

5 Adjust the volume.