

Read Safety instructions and others carefully before using the System.



**MP3/WMA**

Radio Data System

0710YOMMDWMTS

**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

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

THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

**Declaration of Conformity with regard to the EMC Directive 2004/108/EC**

**Manufacturer:**  
Kenwood Corporation  
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**EU Representative's:**  
Kenwood Electronics Europe BV  
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands



**Maintenance**

To get the best performance of the System, keep your discs and the 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 hard.
    - DO NOT wipe it with thinner or benzene.
    - 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.



**Playable disc/file types**

- This System can play back...
  - Audio CD and CD-R/CD-RW in Audio CD format
  - MP3/WMA files on a CD-R/CD-RW (ISO 9660 format) or USB mass storage class device (maximum data transfer rate: 2 Mbps)
- This System cannot play "packet write" discs.
- For MP3/WMA playback...
  - Some MP3/WMA files may not be played back due to their recording conditions.
  - Files created with the following functions provided with Windows Media™ Player 9 or after cannot be played back:
    - WMA Professional
    - WMA Lossless
    - WMA Voice
  - This System can play only discs of ISO 9660 Level 1 or Level 2.
  - This System can play back MP3/WMA recorded at the following sampling frequency and bitrate.
 

Sampling frequency:	44.1 kHz
Bitrate:	32 kbps – 320 kbps (VBR*)

 \*Audio files encoded in VBR (Variable Bitrate) may contain data outside the compatible bitrate of this system. Such audio files containing incompatible bitrates cannot be played back.
  - It is recommended to record each file at a sampling rate of 44.1 kHz and at a bitrate of 128 kbps.
  - This System can recognize a total of 999 tracks and 99 groups.
  - This System can show the Tag data.
- For playback of files on a USB mass storage class device...
  - You cannot play back files larger than 2 GB.
  - This System may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management).

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

**CAUTION: Proper Ventilation**  
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.)  
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

- Front: No obstructions and open spacing.
- Sides/Top/Back: No obstructions should be placed in the areas indicated by the dimensions in the illustration.
- 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**

Speaker      Main unit      Speaker

**Side view**

Main unit

**Specifications**

<b>Amplifier section</b>		<b>Speakers</b>	
Output Power:	5 W + 5 W at 4 Ω (10% THD)	Speaker type:	1-Way Bass-Reflex type
Speakers/Impedance:	4 Ω – 8 Ω	Speaker units:	10 cm x 1
Audio Input:	AUDIO IN: Stereo mini (ø 3.5 mm)	Impedance:	4 Ω
Digital input:	250 mV/50 kΩ	Dimensions (approx.):	140 mm x 173 mm x 170 mm (W x H x D)
Tuner	FM tuning range: 87.50 MHz – 108.00 MHz	Weight (approx.):	1.2 kg each
<b>Disc player</b>	Wow and flutter: Immeasurable	<b>Supplied accessories</b> See "Supplied accessories" in "Getting started."	
<b>USB</b>	USB specification: Compatible with USB 2.0 Full Speed	<i>Design and specifications are subject to change without notice.</i>	
Compatible device:	Mass storage class		
Compatible system:	FAT16, FAT32		
Output power:	DC 5 V = 500 mA		
<b>General</b>	Power requirement: AC 230 V ~ / 50 Hz		
Power consumption at operation:	25 W		
Power consumption in standby mode:	1 W or less		
Dimensions (approx.):	150 mm x 175 mm x 211 mm (W x H x D)		
Weight (approx.):	2.1 kg		

**Troubleshooting**

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

<b>General</b>	
Power does not come on.	➔ Power plug is not inserted securely. Plug it in securely.
Adjustments or settings are suddenly canceled before you finish.	➔ There is a time limit. Start the procedure again.
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.	➔ Headphones are connected. ➔ Set the volume control to proper sound level.
<b>FM radio</b>	
Hard to listen to broadcasts because of noise.	➔ Antenna connection is incorrect or loose. ➔ The FM antenna is not properly extended and positioned. ➔ Electrostatic discharge from your body may cause noise. If this happens, turn the System off then on again.
<b>Disc/USB</b>	
The disc/USB mass storage class device does not play.	➔ The disc is placed upside down. Place the disc with the label side facing up. ➔ The disc is recorded using "packet writing (UDF file system)." It cannot be played. ➔ The USB mass storage class device is not connected properly.
Groups and tracks are not played back as you expect.	➔ Playing order is determined when the groups and tracks are 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 recorded onto the USB mass storage class device.
Sound from the USB mass storage class device is 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.

If the System does not work correctly, disconnect the AC power cord from the wall outlet, wait for a while, then connect the cord again.  
Kenwood corporation bears no responsibility for any loss of data in the USB mass storage class device while using this System.

**Getting started**

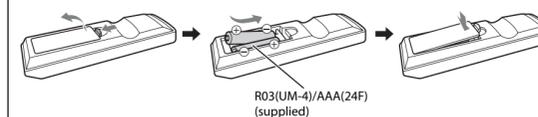
- Supplied accessories**
- After unpacking, check to make sure that you have all the following items:
- Remote control: RC-F0323E (x 1)
  - R03 (UM-4)/AAA (24F)-size batteries (x 2)
  - FM antenna (x 1)
- If anything is missing, consult your dealer immediately.

**In this manual...**

- The remote control buttons are used for explaining the operations unless mentioned otherwise. However, if the System has the same or similar button names, they can also be used for the operations.
- "File" and "track" are used interchangeably.

- Prepare the remote control**
- Insert the batteries into the remote control by matching the polarity (+ and -) correctly.

**To insert the batteries in the remote control**



- CAUTION**
- 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.
    - Do not poke the battery with tweezers or similar tools.
  - Dispose of battery in the proper manner, according to federal, state, and local regulations.
  - The battery (battery pack or battery installed) shall not be exposed to excessive heat source such as sunshine, fire or the like.
  - Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

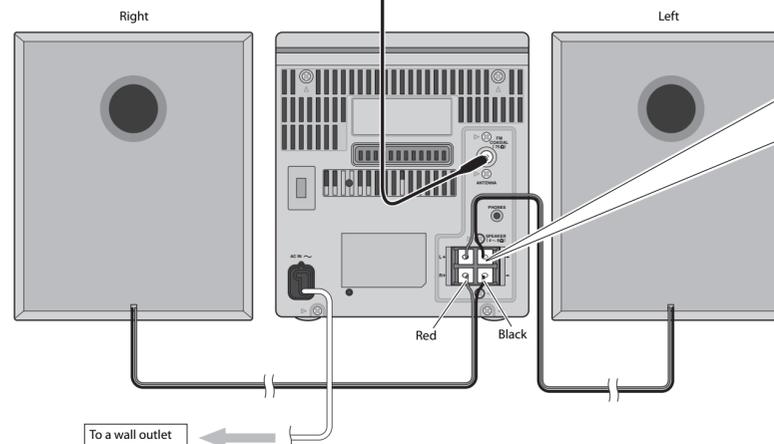
**Connections**

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

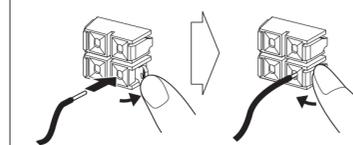
- NOTE:**
- Make sure the antenna conductors do not touch any other terminals, connecting cords or the power cord. Also, keep the antenna away from metallic parts of the System, connecting cords, and the AC power cord. Otherwise, it could cause poor reception.

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

**CAUTION for outdoor antenna installation**  
Since antenna installation necessitates skill and experience, always consult your dealer before installation. The antenna should be placed at a distance from the power distribution wires. Otherwise, an electric shock accident may occur if the antenna falls down.



**To connect the speaker cords**  
Make sure both speakers are connected correctly and firmly.



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

- CAUTIONS:**
- 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.

**NOTE:**

- If the speaker cords are covered with vinyl, remove the vinyl to expose the tip of the speaker cords by twisting the vinyl.

**Sound and other adjustments**

**Initial settings**

**Setting the clock**

You can set the clock only when the System is turned off (on standby.)



- If you have already set the clock before, press and hold **CLOCK/SLEEP** until the clock is flashing.

**2 Adjust the hour and minute.**



- The clock may gain or lose 1 to 2 minutes per month. You may need to readjust the clock periodically.

**To check the current time during playback**



The time is displayed for a few seconds.

- If there is a power failure  
The clock loses its settings and "0:00" flashes. You need to set the clock again.

**Timer**

**Sleep Timer**

You can set Sleep Timer only when the System is turned on.



**2 Specify the time (in minutes).**



- To check the remaining time until the System shuts off, press and hold **CLOCK/SLEEP**.
- To change the shut-off time, press **CLOCK/SLEEP** repeatedly.

**Display settings**

**Display information**

To display MP3(ID3)/WMA tag information During playback of MP3/WMA...



ID3 ON ← ID3 OFF

MP3(ID3)/WMA tag information is displayed automatically as follows:



**Sound adjustments**

**Fade muting**

To drop the volume in a moment



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

**Hyper Bass Sound (HBS)**

To reinforce the bass sound



**Sound Mode**

To select the sound mode suitable for your favorite music



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



# Basic operation

Turn on and off the power.

1

STANDBY lamp

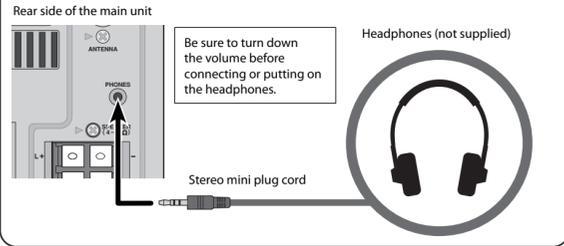


Select a source.

2

Adjust the volume.

3



Be sure to turn down the volume before connecting or putting on the headphones.

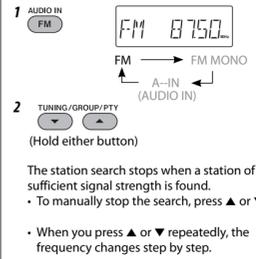
Headphones (not supplied)

Stereo mini plug cord

**DO NOT turn off the System with the volume set to an extremely high level;** otherwise, the sudden blast of sound may damage your hearing, speakers, and headphones when you turn on the System or start playback.

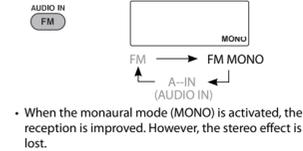
## FM radio

### Searching for stations



### Improving the reception

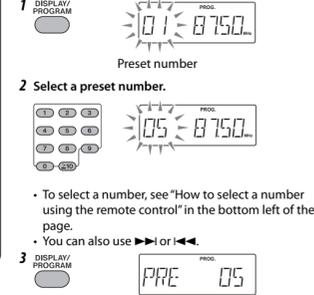
When an FM stereo broadcast is hard to listen...



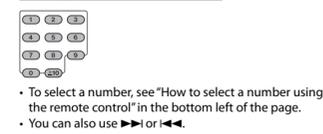
### Presetting stations

You can preset up to 20 FM stations.

While listening to a target station...



### Tuning in to a preset station

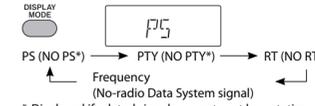


### Receiving FM stations with Radio Data System

Radio Data System allows FM stations to send an additional signal along with their regular program signals.

- If you want to know more about Radio Data System, visit <a href="http://www.rds.org.uk">http://www.rds.org.uk</a>.

To display the Radio Data System information



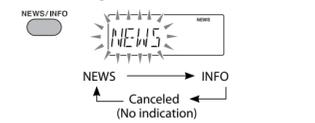
PS (Program Service)	Commonly known station names.
PTY (Program Type)	Types of broadcast programs.
RT (Radio Text)	Text messages the station sends.

### Switching temporarily to a program of your choice automatically

The Enhanced Other Networks function allows the System to switch temporarily to a preset FM station broadcasting a program of your choice (NEWS or INFO).

- This function works while listening to the FM station providing the required signals.

While listening to the FM station...



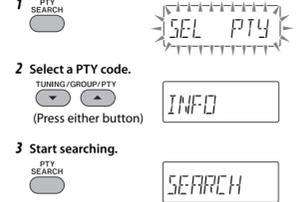
NEWS	News.
INFO	Program the purpose of which is to impart advice in the widest sense.

\*NEWS\* or \*INFO\* starts flashing when a station is broadcasting a program of your choice.

### PTY search

You can search for a program from the preset stations by specifying PTY code.

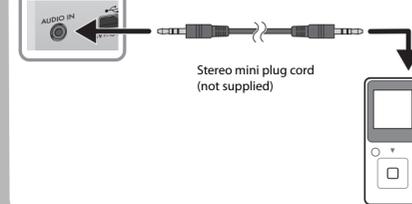
While listening to a station...



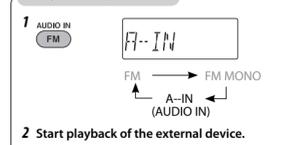
When the System finds the one you have selected, that station is tuned in.

- To stop searching, press PTY SEARCH.
- To search for another station after an unwanted station has been found, press PTY SEARCH while the indications are flashing.
- If no program is found, "NO FOUND" appears.

## External device



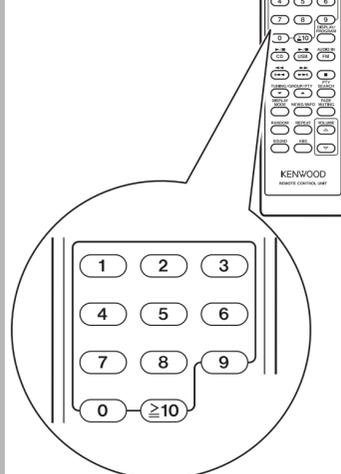
### Playback operation



**Notes on external device connection**

- Always set volume to the minimum level when connecting or disconnecting the external device.

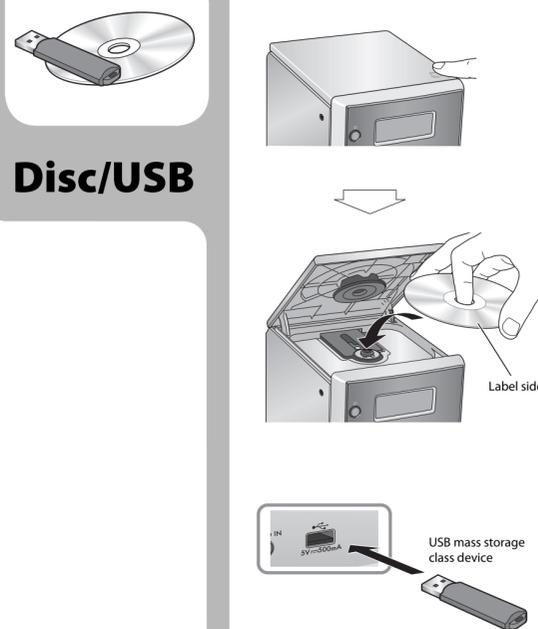
### How to select a number using the remote control



**Examples:**

Number	Operation
5	Press 5.
20	Press ≥10, 2, then 0 (when "--" appears). or Press ≥10, 0, 2, then 0 (when "--" appears).
125	Press ≥10, 1, 2, then 5.

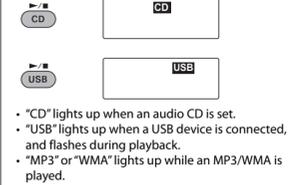
## Disc/USB



- Notes on USB mass storage class device connection**
- Connect or disconnect a USB mass storage class device when the System is turned off to prevent malfunction.
  - Do not use a USB hub.
  - When connecting with a USB cable, use a USB 2.0 cable whose length is less than 1 m.
  - The USB mass storage class device is charged through ◀ terminal when "USB" is selected as the source. (Some USB mass storage class devices may not be charged through ◀ terminal even if "USB" is selected as the source.)
  - You cannot connect a computer to ◀ terminal of the System.
  - Electrostatic shock at connecting a USB mass storage class device may cause abnormal playback of the device. In this case, disconnect the USB mass storage class device then reset the System and the USB mass storage class device.
  - While playing back a file onto a USB mass storage class device, do not disconnect the device. Doing so may cause malfunction on both the System and the device.
  - You cannot send any data to your USB mass storage class device from this System.
  - Always set volume to the minimum level when connecting or disconnecting the USB mass storage class device.

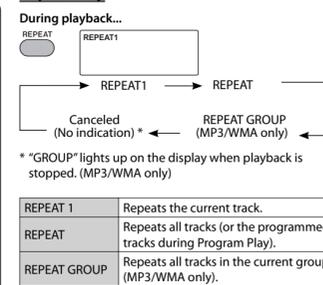
### Playback operations

To play back/pause a disc or a USB mass storage class device



- To open the CD lid Press ▲ PUSH on the CD lid.
- To select a track Press ►► or ◀◀
- To fast-forward a track Press and hold ►►
- To fast-reverse a track Press and hold ◀◀
- To select a group (MP3/WMA only) Press TUNING/GROUP/PTY (either button)
- To stop playback Press ■

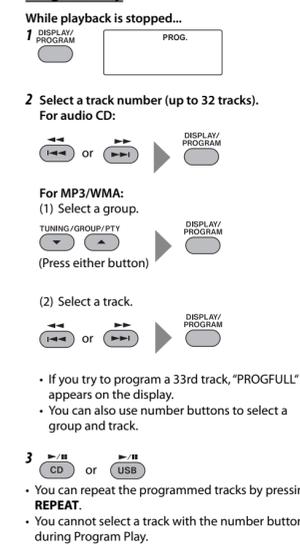
### Repeat Play



### Random Play



### Program Play



- While Program Play is stopped...
- To check the programmed tracks, press DISPLAY/PROGRAM repeatedly.
  - To add tracks, press DISPLAY/PROGRAM repeatedly until "00" appears on the display. Then repeat the steps 1 and 2 above.
  - To erase the entire program, press ■.