KENWOOD

COMPACT HI-FI COMPONENT SYSTEM

M-313 **INSTRUCTION MANUAL** 

**ENGLISH** 

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LVT2193-002A [E]

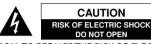
Read Safety instructions and others carefully before using the System.



MP3/WMA

Radio Data System

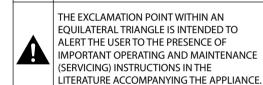
0710YOMMDWMTS



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.



**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



### **Specifications** Amplifier section

Power requirement

Power consumption at operation:

**⚠** CAUTION: Proper Ventilation

height of 10 cm or more.

Front view

Speaker

. Front: No obstructions and open spacing.

newspaper or cloth, etc., the heat may not be able to get out.)

Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a

Sides/Top/Back: No obstructions should be placed in the areas indicated by the dimensions in the illustration.

8. Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

**Output Power:**  $5 W + 5 W at 4 \Omega (10\% TH)$ Speakers/Impedance: AUDIO IN: Stereo mini (ø 3.5 mn **Audio Input:** 250 mV/50 l USB MEMOR Digital input:

Main unit

FM tuning range 87.50 MHz - 108.00 MHz Disc player Wow and flutter: Immeasurable

Compatible with USB 2.0 Full Speed USB specification: Compatible device Mass storage class Compatible system: FAT16, FAT32 DC 5 V === 500 mA Output power: General

1 W or less Power consumption in standby mode Dimensions (approx.):  $150 \text{ mm} \times 175 \text{ mm} \times 211 \text{ mm}$ Weight (approx.):

| Speakers  |                         |
|---|-------------------------|
| ID) Speaker type: 1-Way Bass                    | -Reflex type            |
| 3Ω Speaker units:                               | 10 cm x 1               |
| m) Impedance:                                   | 4 Ω                     |
| $k\Omega$ Dimensions (approx.): 140 mm × 173 mr | m × 170 mm              |
| RY  | $(W \times H \times D)$ |
| Weight (approx.):                               | 1.2 kg each             |

Main unit

### See "Supplied accessories" in "Getting started."

Side view

Design and specifications are subject to change without

### Maintenance

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

### · 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
- 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 benzine.
- DO NOT apply any volatile substances such as insecticides to it.
- DO NOT allow any 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
- format) or USB mass storage class device (maximum data transfer rate: 2 Mbps)

- MP3/WMA files on a CD-R/CD-RW (ISO 9660

- 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:
- 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
- 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
- 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).

### **Troubleshooting**

Power does not come on.

General

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

AC 230 V  $\sim$  / 50 Hz

| 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.            | <ul> <li>→ The path between the remote control and the remote sensor on the System is blocked.</li> <li>→ The batteries are exhausted.</li> </ul>  |
| No sound is heard.   | <ul> <li>→ Headphones are connected.</li> <li>→ Set the volume control to proper sound level.</li> </ul>   |
| FM radio   |  |
| Hard to listen to broadcasts because of noise.                   | <ul> <li>→ Antenna connection is incorrect or loose.</li> <li>→ The FM antenna is not properly extended and positioned.</li> <li>→ Electrostatic discharge from your body may cause noise. If this happens, turn the System off then on again.</li> </ul>                  |
| Disc/USB   |  |
| The disc/USB mass storage class device does not play.            | <ul> <li>→ The disc is placed upside down. Place the disc with the label side facing up.</li> <li>→ The disc is recorded using "packet writing (UDF file system)." It cannot be played.</li> <li>→ The USB mass storage class device is not connected properly.</li> </ul> |
| 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.   | <ul> <li>→ The disc is scratched or dirty.</li> <li>→ MP3/WMA files have not been properly recorded onto the USB mass storage class device.</li> </ul>   |
| Sound from the USB mass storage class device is interrupted.     | → Noise and static electricity may stop the sound. In this case, disconner<br>and connect the USB mass storage class device again after turning off<br>the System.   |

→ Power plug is not inserted securely. Plug it in securely.

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

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

### **Getting started**

### O Supplied accessories

- After unpacking, check to make sure that you have all

- Remote control: RC-F0323E (× 1)
- R03 (UM-4)/AAA (24F)-size batteries (× 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

- 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**

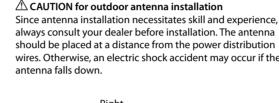
### Do not connect the AC power cord until all other connections have been made.

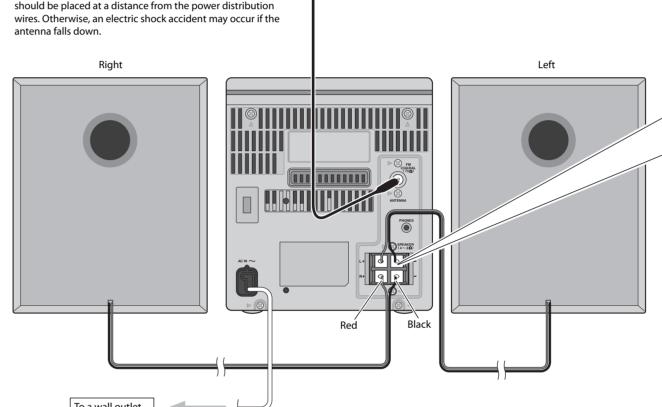
R03(UM-4)/AAA(24F)

(supplied)

• 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.

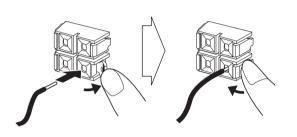
FM antenna (supplied): Extend it so that you can obtain the best reception.





### 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 (+).

 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.

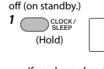
• If the speaker cords are covered with vinyl, remove the vinyl to expose the tip of the speaker cords by twisting the vinyl.

# Sound and other adjustments

### **Initial settings**

### **Setting the clock**

You can set the clock only when the System is turned



• If you have already set the clock before, press and

hold **CLOCK/SLEEP** until the clock is flashing.

You may need to readjust the clock periodically.

The clock may gain or lose 1 to 2 minutes per month.

## To check the current time during playback



### If there is a power failure

The clock loses its settings and "0:00" flashes. You need to set the clock again.

# **○ Timer**

You can set Sleep Timer only when the System is turned



→ SLEEP 10 → SLEEP 20 → SLEEP 30 —

### OFF ← SLEEP 90 ← · · · • To check the remaining time until the System shuts

off, press and hold CLOCK/SLEEP. To change the shut-off time, press **CLOCK/SLEEP** 

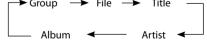
# ID3 ON ←→ ID3 OFF

MP3(ID3)/WMA tag information is displayed

O Display settings

During playback of MP3/WMA...

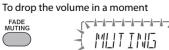
**Display information** 



To display MP3(ID3)/WMA tag information

## O Sound adjustments

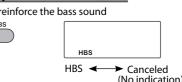
## Fade muting



To restore the volume, press again or adjust the

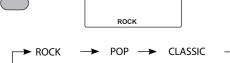
## **Hyper Bass Sound (HBS)**

To reinforce the bass sound

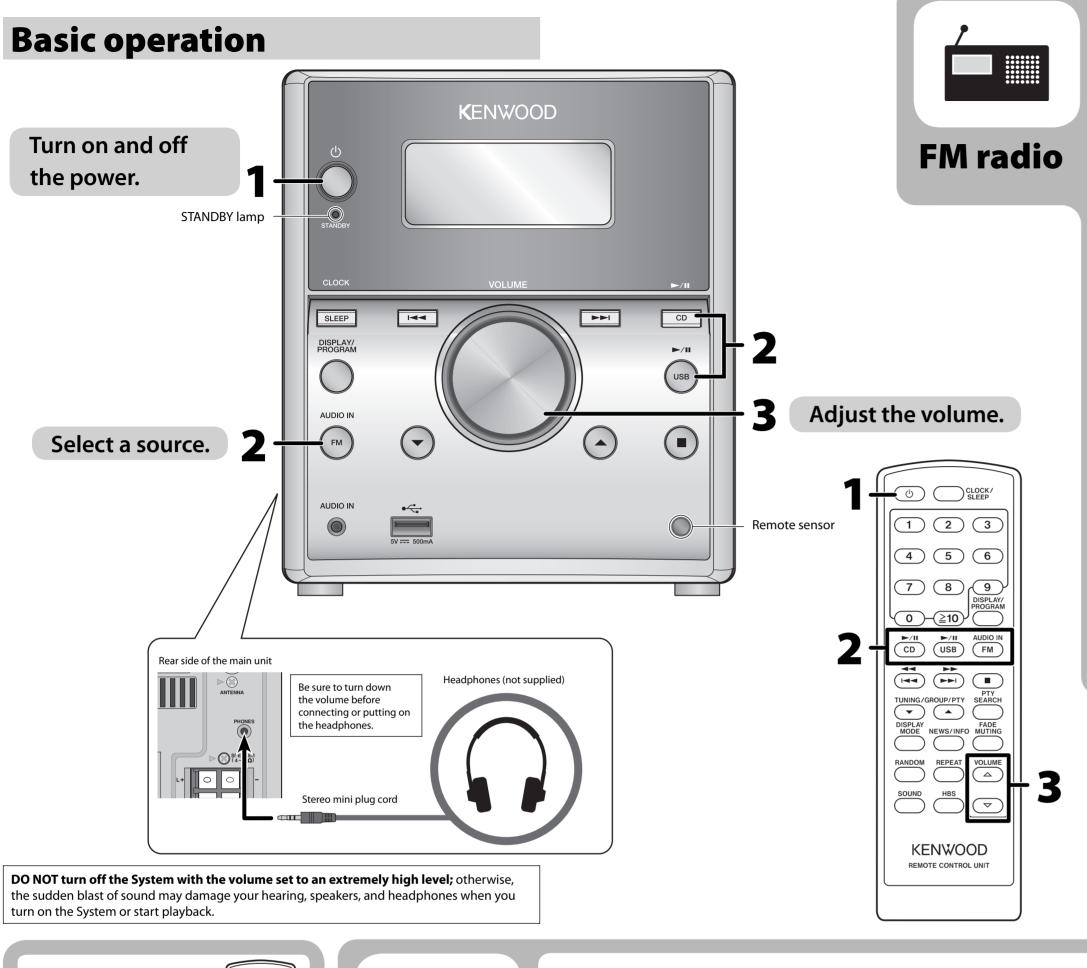


### **Sound Mode**

To select the sound mode suitable for your favorite



Canceled (No indication)





FM → FM MONO ← A--IN ←

TUNING/GROUP/PTY (Hold either button)

> The station search stops when a station of sufficient signal strength is found.

To manually stop the search, press ▲ or ▼.

 When you press ▲ or ▼ repeatedly, the frequency changes step by step.

### Improving the reception

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

FM FM FM → FM MONO ← A--IN ←

• When the monaural mode (MONO) is activated, the reception is improved. However, the stereo effect is

You can preset up to 20 FM stations.

While listening to a target station... 10 | - 8 750... Preset number

2 Select a preset number.

1 2 3 4 5 6 7 8 9 0 €10

• To select a number, see "How to select a number using the remote control" in the bottom left of the

You can also use ►►I or I◄◄.

# 8

#### Tuning in to a preset station

123 4 5 6 7 8 9

0 €10

- To select a number, see "How to select a number using the remote control" in the bottom left of the page.
- You can also use ►►I or I◄◄.

## **Receiving FM stations with Radio Data**

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

• If you want to know more about Radio Data System, visit <http://www.rds.org.uk>. To display the Radio Data System information

PS (NO PS\*) → PTY (NO PTY\*) → RT (NO RT\*)

Frequency (No-radio Data System signal) \* Displayed if related signals are not sent by a station

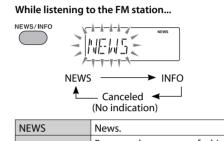
PS (Program Commonly known station names. Service) PTY (Program Types of broadcast programs. RT (Radio Text) Text messages the station sends.

· When a Radio Data System signal is not received, the frequency is displayed.

#### 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.



### PTY search

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

#### While listening to a station...



2 Select a PTY code **T** 

INFO (Press either button)

3 Start searching.

SEARCH

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.

While Program Play is stopped...

• To erase the entire program, press ■

**PROGRAM** repeatedly.

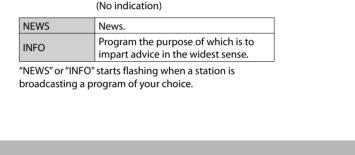
1 and 2 above.

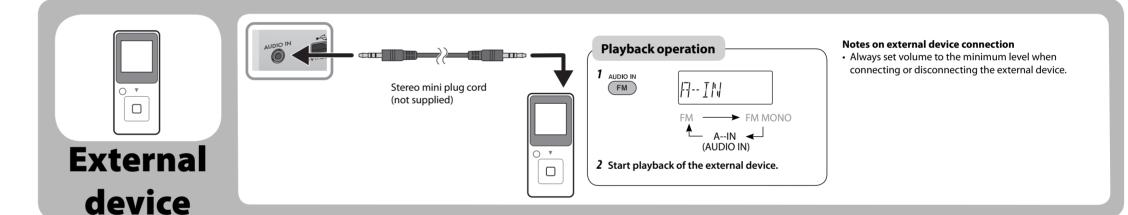
• To check the programmed tracks, press **DISPLAY**/

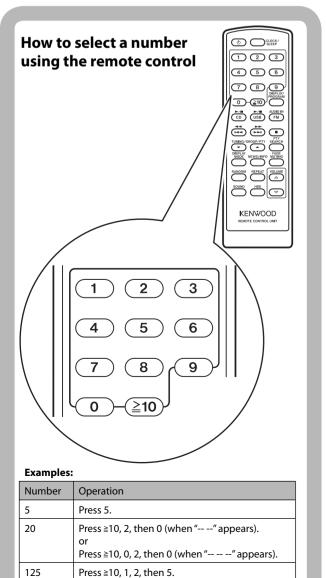
• To add tracks, press **DISPLAY/PROGRAM** repeatedly

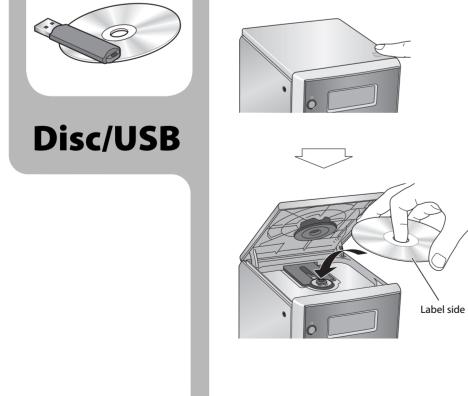
until "00" appears on the display. Then repeat the steps

• If no program is found, "NO FOUND" appears.









USB mass storage

#### 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
- 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

# **Playback operations**

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



- "CD" lights up when an audio CD is set.
- "USB" lights up when a USB device is connected, and flashes during playback.

USB

MP3" or "WMA" lights up while an MP3/WMA is

To open the CD lid Press **≜ PUSH** on the CD lid.

To select a track Press or I

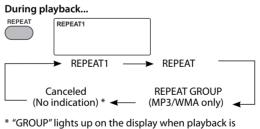
To fast-forward a track Press and hold

To fast-reverse a track Press and hold

To select a group (MP3/WMA only) Press (either button)

To stop playback Press <a> </a>

### Repeat Play



stopped. (MP3/WMA only) Repeats the current track

| 1 | REPERT       | repeats the current track.  |
|---|--------------|---|
|   | REPEAT       | Repeats all tracks (or the programme tracks during Program Play). |
|   | REPEAT GROUP | Repeats all tracks in the current grou (MP3/WMA only).            |
|   |              |   |

### Random Play





Playback starts in a random order Random Play ends when all tracks have been played.

 You cannot select a track with the number buttons during Random Play.

### **Program Play**



2 Select a track number (up to 32 tracks). For audio CD:



(1) Select a group.

(Press either button)

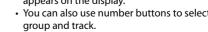
(2) Select a track.



- If you try to program a 33rd track, "PROGFULL" appears on the display.
- You can also use number buttons to select a



- You cannot select a track with the number buttons during Program Play.





You can repeat the programmed tracks by pressing