KENWOOD

Compact Hi-Fi Component System

UD-NF7
UD-F5

INSTRUCTION MANUAL

COMPACT disc DIGITAL AUDIO

Made for
iPod iPhone iPad

AirPlay dlna™ CERTIFIED WiFi CERTIFIED

[UD-NF7 only]

Introduction

UD-NF7 and UD-F5 Compact Component system consist of the main unit (RD-UDNF7 or RD-UDF5) and the speaker system (LS-UDNF7-M or LS-UDF7-B).

Auto Power Save function (APS)

• When no operation is done in certain situations for 15 minutes, the unit turns off automatically. (p. 11)

In this manual

• The remote control buttons are used for explaining the operations unless mentioned otherwise. However, if the unit has buttons with the same or similar names, they can also be used for the operations.

• This manual uses illustrations for UD-NF7.

• In this manual, "file" and "track", "folder" and "group" are used interchangeablly when explaining operations for MP3/WMA.

IMPORTANT FOR LASER PRODUCT

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	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2007 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M LORS DE L'OUVERTURE. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視および/または不可視のクラス1M レーザー放射が出ます。光学機器で直接見ないでください。 (JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) 6V41022-001A

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

● Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC

Manufacturer:
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Kenwood Electronics Europe BV
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands

$C\epsilon$

Hereby, Kenwood declares that this unit RD-UDNF7 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Precautions

Do not cover the ventilation openings. Doing so keep the heat to remain inside of the unit, which may cause fire. Use extra cautions about the following:

• Do not place the unit on its side, upside down, or the front side facing upward.

• Do not place the unit in a place such as bookshelves, closet, etc without adequate ventilation.

• Do not cover the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.

• Do not place the unit on books or magazines.

• Do not place the unit directly on carpet.

• Ensure that the equipment is positioned in a well ventilated area and ensure that there is at least 10 cm of free space along the sides, top and back of the equipment.
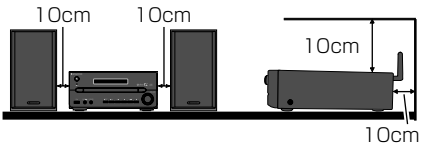
Accessories

The following accessories are included.

• Remote control x 1
  UD-NF7: RC-F0719E
  UD-F5: RC-F0517E

• "AA" size battery
  (UM/SUM-3, R6, HP-7 or similar) x 1

• FM aerial x 1

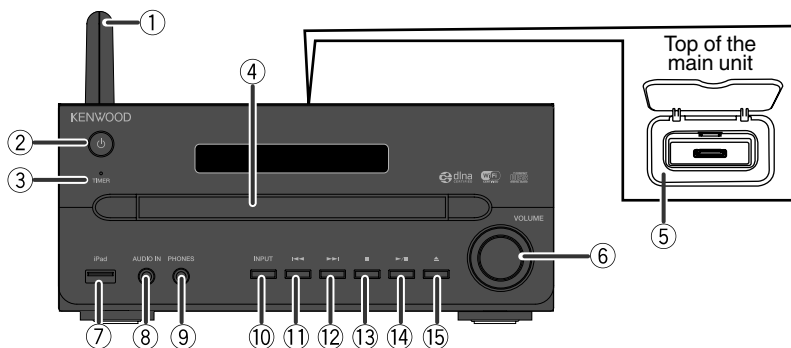• Speaker wires
  (2m x 2)

• Stand for iPad x 1

Contents

Controls and Indicators

Front Panel

Explanations can be found in the page indicated in parentheses.

UD-NF7 is illustrated.

Top of the
main unit

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② **⏻ (Power) Button**
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③ **TIMER LED (p. 38)**
④ **Disc Tray (p. 23)**
⑤ **Dock for iPod/iPhone (p. 20)**
⑥ **Volume Control (p. 10, 18, 22)**
⑦ **USB/iPad Terminal (p. 20, 29, 30)**
⑧ **AUDIO IN Terminal (p. 41)**
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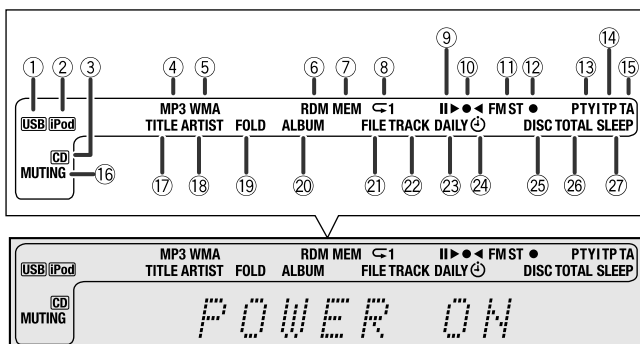
① **USB Indicator (p. 29)**
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㉖ **TOTAL Indicator (p. 27)**
㉗ **SLEEP Indicator (p. 40)**

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Remote Control

UD-NF7 is illustrated.
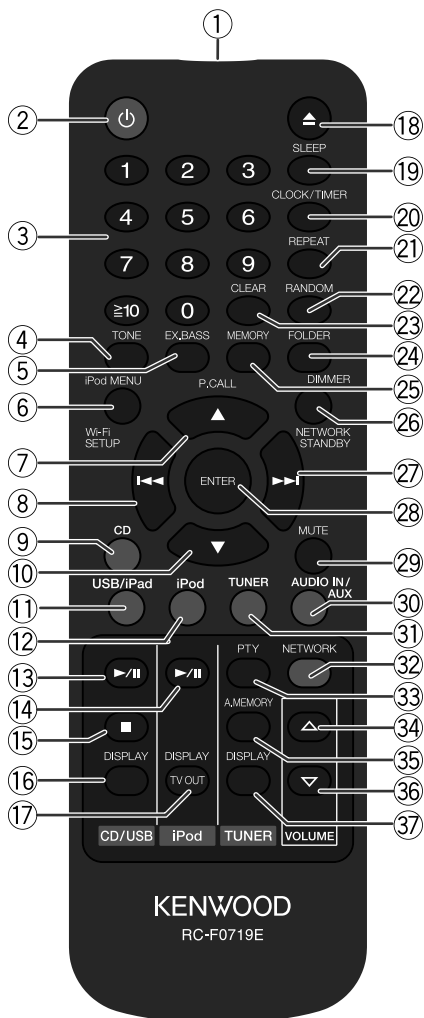
① Remote Control Transmitter (p. 9)
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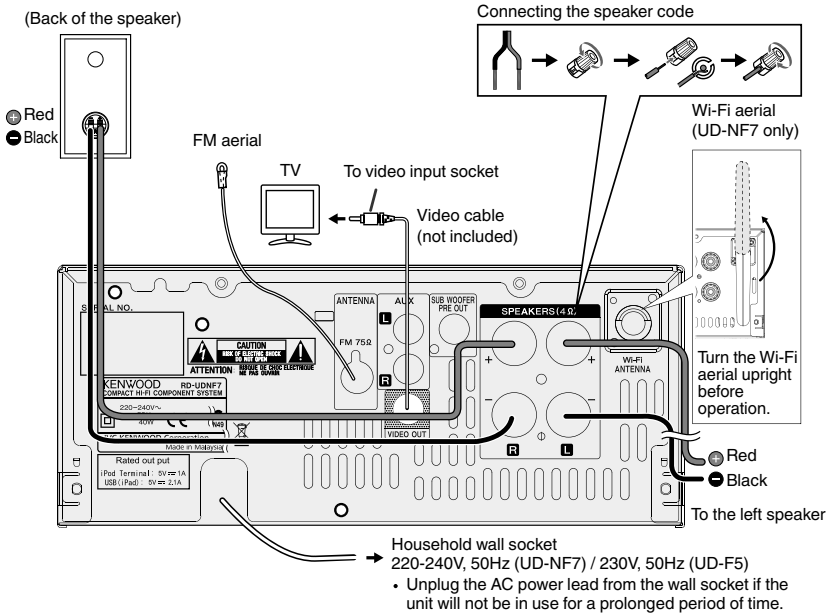⑩ ▼ Button (p. 14-16, 18, 21, 22, 26-29, 33)
⑪ USB/iPad Button (p. 11, 21, 29)
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Preparation for Use

System Connections

UD-NF7 is illustrated.

After checking all the connections have been made correctly, plug the AC power lead of this unit into the wall socket.

(Back of the speaker)

Connecting the speaker code

Red
Black

FM aerial

TV   To video input socket

Video cable (not included)

Wi-Fi aerial (UD-NF7 only)

Turn the Wi-Fi aerial upright before operation.

Red
Black

To the left speaker

Household wall socket
220-240V, 50Hz (UD-NF7) / 230V, 50Hz (UD-F5)
• Unplug the AC power lead from the wall socket if the unit will not be in use for a prolonged period of time.

Aerial connection

Included FM aerial

When connecting the FM areal to the main unit, connect it to the center of the FM areal terminal firmly.

Extend the FM aerial when connecting so that you can obtain the best reception.

External FM aerial (commercially available)

If the included FM aerial is unable to receive well, use an external FM aerial. When an external FM aerial is used, disconnect the included FM aerial wire.

Note

Placing the aerial on the unit, near the AC power or electronic devices lead may cause noise pickup. Move the aerial away from the AC power lead if it is located nearby.

Speaker connection

• Do not connect more than 2 speakers into 1 terminal.

• Do not allow the speaker wire to touch the metal part of the main unit.

• Speakers of the main unit are not designed to shield magnetics. When placing this unit near a CRT television, place it away from the television to avoid color irregularity of the television.

• Do not let the speaker wires touch each other.
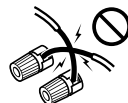
Removing saran nets

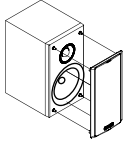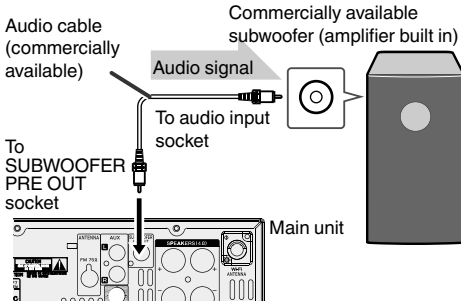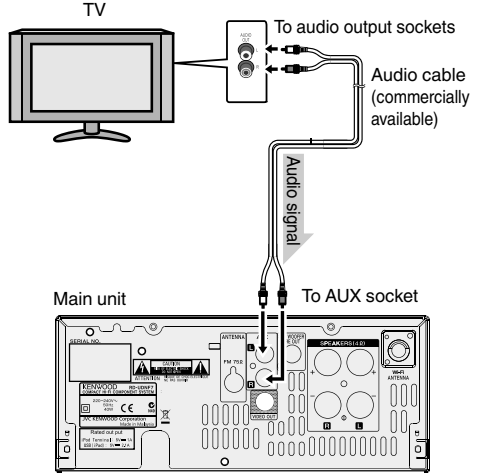Saran nets are removable.

Subwoofer pre-out connection

You can connect a subwoofer with an amplifier to the SUBWOOFER PRE OUT socket.

Audio cable (commercially available)

Commercially available subwoofer (amplifier built in)

Audio signal

To audio input socket

To SUBWOOFER PRE OUT socket

Main unit

Connecting to the external devices (TV, etc.)

This unit can output sound from external devices, such as TV, etc.

Connect to the TV using an audio cable.

TV

To audio output sockets

Audio cable (commercially available)

Audio signal

Main unit

To AUX socket

To select AUX

- On main unit, press ⇨[INPUT] button repeatedly until "AUX" is displayed.

- On the remote control, press ⇨[AUDIO IN/AUX] button repeatedly until "AUX" is displayed.

Connecting iPod/iPhone to TV

Video files from iPod/iPhone can be viewed by connecting the unit to TV/monitor.

Place the iPod/iPhone to the dock, and then connect the Video input terminal of the TV or monitor and the VIDEO OUT socket at the back of this unit. Then, by press and hold the [iPod DISPLAY / TV OUT] button on the remote control, set the TV out function to On. (p. 21)
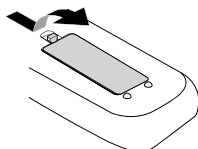
> **Note**
>
> - TV out display is not support through USB terminal.
>
> - To playback videos on iPod/iPhone screen, press [iPod DISPLAY/TV OUT] for more than 2 seconds, until "TV OUT OFF" is displayed.
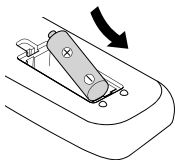
Remote Control

Battery installation

1 Open the battery cover.

2 Insert the included battery according to the terminal indicated in the battery compartment.

3 Close the cover.
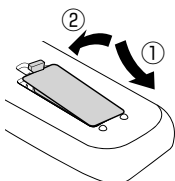
Note

- The included battery is for checking system operations. Replace it with a new one as soon as possible.
- If the range or effectiveness of the remote control decreases, replace the battery.
- Periodically clean the transmitter on the remote control and the sensor on the unit with a soft cloth.
- Exposing the sensor on the unit to strong light may interfere with operations. Change the direction of the unit if this occurs.
- Keep the remote control away from moisture, heat, shock, and vibrations.
- Read through the attached Safety Precaution to ensure the safe usage of the batteries.

Operating range of the remote control

Point the remote control directly at the remote sensor on the unit.
The remote control can be used within the range shown below:

Remote sensor

0.2 m - 6 m

15° 15°
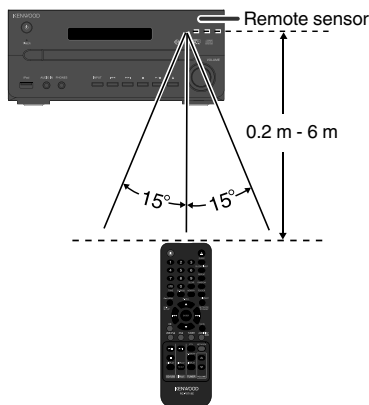
Basic Operation

Turning on the Power

1 **Press the [⏻] button.**

Press the [⏻] button to enter the power stand-by mode.

When you press any of the following buttons, the unit turns on.

- Remote control ⇨ "CD", "TUNER", "USB/iPad", "iPod", "AUDIO IN/AUX", "NETWORK"* (*UD-NF7 only)
- ⇨ [▶/⏸]⟶ button on the main unit: The unit turns on and playback of the last function will start. (CD, TUNER, USB, iPod, AUDIO IN, AUX, NETWORK*) (*UD-NF7 only)
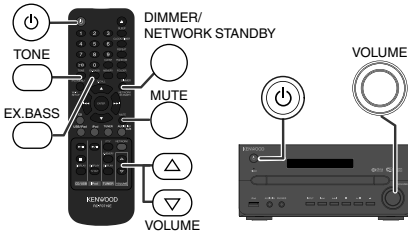
Setting the Network Standby (UD-NF7 only)

- The first time the unit is plugged in, the unit will enter NETWORK STANDBY.

```
NETWORK ST-BY
```

- Auto power on function is activated when the main unit is set to Network Standby. (p. 11)
- To cancel Network Standby, press the [DIMMER/ NETWORK STANDBY] button (remote control) during power standby mode. The unit will enter the low power consumption mode.
- To return to Network Standby, press the [DIMMER/ NETWORK STANDBY] button (remote control) again.
- When iPod or iPhone is connected to the iPod/ iPhone dock, battery charge starts and "Charge Mode" is displayed. NETWORK STANDBY is invalid during charge mode.

Volume up/down

1 **Dial the [Volume Control]. Or, press the [VOLUME▽/△] button on the remote control.**

Volume auto fade-in

If you turn off and on the main unit with the volume set to 27 or higher, the volume starts at 16. The volume fades in to the last set level.

To mute the volume temporarily

1 **Press the [MUTE] button.**

"MUTING" is flashed and the sound is muted temporarily.

- Press again to restore the volume.

Bass (EX.BASS) adjustment

1 **Press the [EX.BASS] button.**

Current EX.BASS setup is displayed.

- When the power is turned on for the first time, Bass mode is set to ON.
- Press the [EX.BASS] button to switch the Bass mode to ON or OFF.
- "EX.BASS ON"/"EX.BASS OFF" will be displayed.

Bass/Treble adjustment

1 **Press the [TONE] button to select "Bass" (bass) or "Treble" (treble).**

2 **Within 5 seconds, press the [VOLUME▽/△] button to adjust the bass/treble.**

- EX.BASS is set to OFF.

```
        Bass      0
- 5 ↔ - 4 ↔ 0 ↔ + 4 ↔ + 5
```
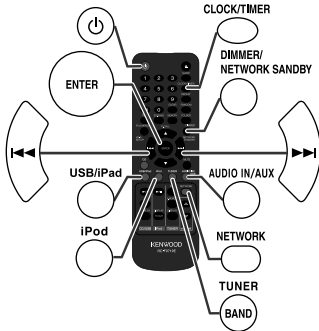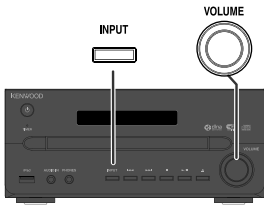
Selecting a Source

Pressing the buttons for each sound source on the remote control, or the [INPUT] button on the main unit will switch from the currently selected source to the other source. Press the [CD], [TUNER], [USB/iPad], [iPod], [AUDIO IN/AUX] or [NETWORK]* (* UD-NF7 only) on the remote control.

Select the desired source by pressing the [INPUT] button on main unit repeatedly.

```
      ┌──→ CD  ──→  FM Stereo  ──→  FM Mono ──┐
Network (UD-NF7 only)                         AM
      └── AUX ←── AUDIO IN ←── iPod ←── USB ←──┘
```

A.P.S. (Auto Power Save) Function

The main unit will enter the standby mode after 15 minutes of inactivity during:

- CD⇨: In the stop mode or no disc.
- USB⇨ In a stop mode or not connected.
- iPod⇨: Not docked.
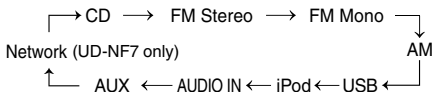- AUDIO IN/AUX⇨ No detection of input signal.

  - when AUDIO IN/AUX is selected, it may take a little while for the power of the unit to be shut off, depending on the noise condition.

Note

- When iPod/iPhone is connected to the iPod/iPhone dock, battery charge starts. "Charge Mode" will be displayed.
- If the sound source is USB and iPod/iPhone is connected to the iPod/iPhone dock (when "iPod Dock Charge Mode" is displayed), A.P.S function is not active.

Auto Power On function (UD-NF7 only)

During Network Standby, if UD-NF7 is selected by AirPlay/DLNA device and playback is started, this unit turns on the power automatically and the music is output from the speaker of this unit.

This condition applies when:

- Network has previously been set up between the unit and your AirPlay/DLNA device. (p. 14)
- This unit is set to NETWORK STANDBY. (p. 10)

Note

Press the [ENTER] button on the remote control when "Press ENTER to start streaming" is displayed.

AirPlay/DLNA Auto Switch (UD-NF7 Only)

For sources other than NETWORK, if "UD-NF7" is selected by AirPlay/DLNA device and playback is started, the source is switched to NETWORK automatically and music from AirPlay/DLNA device is played back.
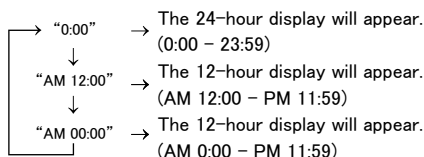
This condition applies when:

- Network has previously been set up between the unit and your AirPlay/DLNA device. (p. 14)

Note

Press the [ENTER] button on the remote control when "Press ENTER to start streaming" is displayed.

Clock Setting (Remote Control Only)

1 Press the [⏻] button to turn the power on.

2 Press the [CLOCK/TIMER] button.

3 Within 5 seconds, press the [ENTER] button.

4 To adjust the day, press the [◄◄/►►] button and then press the [ENTER] button.

5 Press the [◄◄/►►] button to select 24-hour or 12-hour display and then press the [ENTER] button.

```
┌→ "0:00"      →  The 24-hour display will appear.
│     ↓           (0:00 − 23:59)
│  "AM 12:00"  →  The 12-hour display will appear.
│     ↓           (AM 12:00 − PM 11:59)
│  "AM 00:00"  →  The 12-hour display will appear.
└                 (AM 0:00 − PM 11:59)
```

6 To adjust the hour, press the [◄◄/►►] button and then press the [ENTER] button.

 • Press the [◄◄/►►] button once to advance the time by 1 hour. The time will be changed by pressing the button repeatedly.

7 To adjust the minute, press the [◄◄/►►] button and then press the [ENTER] button.

 • Press the [◄◄/►►] button once to advance the time by 1 minute. Hold it down to advance the time by 5 minutes interval.

To confirm the time display

1 Press the [CLOCK/TIMER] button.

The time is displayed for 5 seconds.

Note

When power supply is restored after unit is plugged in again or after a power failure, time indicator will flash. Reset the clock again.

To readjust the clock

1 Perform step 1 at "Setting the clock (Remote control only)".

Step 5 (selecting 24-hour or 12-hour display) will be skipped.

To change the 24-hour or 12-hour display

1 Clear all the programmed contents.

Refer to the "Factory reset, clearing all memory" in p. 44.

2 Perform step 1 at "Clock Setting (Remote Control Only)".

Display Brightness Control

To dim the display brightness, press the [DIMMER/NETWORK STANDBY] button on the remote control.

```
┌→ Dimmer 1     (Display is dim).
│     ↓
│  Dimmer 2     (Display gets dimmer).
│     ↓
└  Dimmer Off   (Display is bright).
```
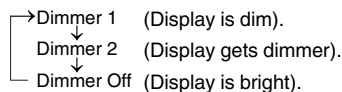
Using AirPlay / DLNA

There are two ways to connect this unit and your AirPlay/DLNA device, wireless connection (direct wireless connection) and wireless connection via wireless LAN router.

- Use of a wireless LAN router is recommended if possible.
- This unit cannot be used as a wireless LAN router. Use a wireless LAN router to connect your AirPlay/DLNA device to the internet.

Caution

- When this unit is placed too close to a wireless LAN device or microwave, noise interference may occur, causing crackling sound. It may also reduce the communication speed and cause invalid connection. Place the unit away from the wireless LAN device or microwave.
- This unit is not guaranteed to operate with all the AirPlay/DLNA compatible devices or wireless LAN routers. Please be noted in advance.

About AirPlay

With Apple AirPlay technology, you can stream your music from your Mac/Windows/iPod touch/iPhone/iPad to external speakers.

AirPlay usage requires:

- iTunes version 10.2 or later (Mac/Windows PC)
- Following devices with the latest iOS update:
  - iPod touch (4th and 3rd generation)
  - iPhone 4S
  - iPhone 4
  - iPhone 3GS (iPhone 3G cannot support AirPlay)
  - iPad (3rd generation)
  - iPad 2
  - iPad

About DLNA

With DLNA technology, this unit can play back music which is stored on your PC and/or mobile devices via wireless connection.

DLNA usage requires:

- Mobile devices supporting DLNA
  - Refer to the instruction manual of your device.
- DLNA application with server function (DMS)
  - About the DMS support, refer to the help page of the installed application.
- Windows Media Player 12 (Windows 7)
  - Windows Media Player 11 or earlier version of Windows Media Player can not be used for playback.
- DLNA version 1.5

Note

- Depending on the DLNA application, you may experience malfunctions during network connection or playing back. Try another application in such a case.
- DRM files cannot be played back.
- Streaming audio sounds of the recorded videos from DLNA devices is not supported by this unit.

Direct Connection to the Main Unit (Direct Wireless Connection)

1 Press the [⏻] button.

2 Press the [NETWORK] button.

3 Press [Wi-Fi SETUP] button on the remote control.

4 Press the [▼ / ▲] button to select "Wi-Fi Setup", and then press the [ENTER] button.

5 Press the [▼ / ▲] button to select "Direct", and then press the [ENTER] button.
   - Wait until the display shows "Direct Ready" which takes about 40 seconds.

6 On iPod touch/iPhone/iPad, select "Wi-Fi" from "Settings", and then set to ON.
   - On the Android device, select "Wireless & networks" in "Settings", and then select "Wi-Fi settings".
   - On PC, open the screen for the wireless LAN network setup.
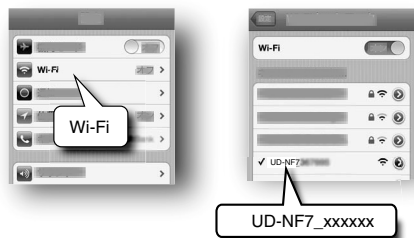
Wi-Fi

UD-NF7_xxxxxx

   - If Wi-Fi is Off, set it to On.
   - Refer to the instruction manual of your device for further detail.

7 Select "UD-NF7_xxxxxx" from the list of network.
   - "xxxxxx" is a model-specific number.

8 On iPod touch/iPhone/iPad, start a "Music" application to display the "Now Playing" screen.
   - On PC, start iTunes or Windows Media Player 12. Start DLNA compatible application on other DLNA compatible devices.
   - Refer to the instruction manual of your device for further detail.

9 Tap or click the AirPlay icon (◿) to select "UD-NF7 xxxxxx".
   - When using DLNA application, specify the files to play back, and select "UD-NF7" as the audio output device.
   - Operations may vary depending on the applications you are using. Refer to the help page of your application for further detail.

10 Play back music.

11 Press the [ENTER] button when "Press ENTER to startstreaming" is displayed.

   Audio is output from the speaker.

Note

- When "Press ENTER to start streaming" is displayed on the main unit, the main unit is waiting for the playback to be started.
- The last 6 digits xxxxxx is MAC ID. Details on checking MAC ID, refer to

UD-NF7_xxxxxx

Connection via Wireless Router with WPS

Make sure that a wireless LAN router is connected to the mobile device or PC.

1 Press the [⏻] button.

2 Press the [NETWORK] button.

3 Press [Wi-Fi SETUP] button on the remote control.

4 Press the [▼ / ▲] button to select "Wi-Fi Setup", and then press the [ENTER] button.

5 Press the [▼ / ▲] button to select "WPS", and then press the [ENTER] button.

"WPS Ready" will be displayed.

6 Press the [WPS] button on the wireless router.
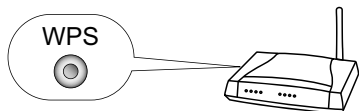
Wait until '▶ ◀' on the display stop blinking and the display shows "Successfully connected to [network name]". It takes about 2 minutes.

7 On iPod touch/iPhone/iPad, start a "Music" application to display the "Now Playing" screen.

- On PC, start iTunes or Windows Media Player 12. Start DLNA compatible application on other DLNA compatible devices.
- Refer to the help page of your device for further detail.

8 Tap or click the AirPlay icon (▱) to select "UD-NF7 xxxxxx".

- When using DLNA application, specify the files to play back, and select "UD-NF7" as the audio output device.
- Operations may vary depending on the applications you are using. Refer to the help page of your application for further detail.

9 Play back music.

Audio is output from the speaker.

Note

- If connection has failed, the display will show 'Cannot connect to Network. Please try again'. Repeat step 3 to retry.
- Once setting is completed, operations from step 3 to 6 are unnecessary.

## Connection via Wireless LAN Router without WPS Function (SSID Connection)

1 Press the [⏻] button.

2 Press the [NETWORK] button on the remote control.

3 Press the [Wi-Fi SETUP] button on the remote control.

4 Press the [▼ / ▲] button to select "Wi-Fi Setup", and then press the [ENTER] button.

5 Press the [▼ / ▲] button to select "SSID Set" , and then press the [ENTER] button.

・ Wait until the display shows "SSID Ready" which takes about 40 seconds.

6 On iPod touch/iPhone/iPad, select "Wi-Fi" from "Settings", and then set to ON.

・ On the Android device, select "Wireless & networks" in "Settings", and then select "Wi-Fi settings".

・ On PC, open the screen for the wireless LAN network setup.

・ If Wi-Fi function is Off, set it to On.

・ Refer to the instruction manual of your device for further detail.

7 Select "UD-NF7_xxxxxx" from the list of network.

・ "xxxxxx" is a model-specific number.

8 On iPod touch/iPhone/iPad, start a web browser (Safari).

・ Perform the same operation for the Android device/PC.

9 Type 192.168.1.1 at the address bar, and press the [GO] button.

The UD-NF7 configuration page is displayed.

Network Configuration
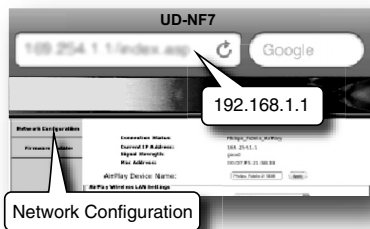
10 Select Network Configuration (Network Configuration) tab.

11 From the Service Set ID(SSID) pull down list, select SSID of your router.
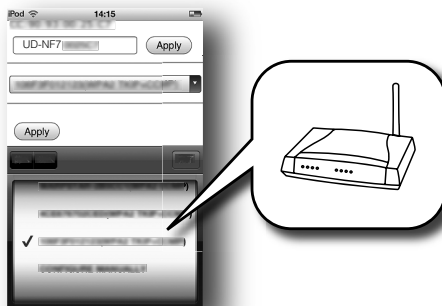
12 Enter your network password if required.

・ Depending on a router, it may be necessary to put a check mark on DHCP in the Advance Setting menu.

**13** Tap or click "Apply" at the bottom of the page to apply your settings.
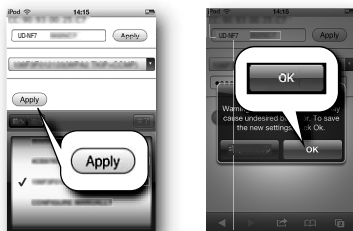
14 Tap or click "OK" to confirm your settings.

・ "Successfully connected to [network name]" →"Network" will be displayed on the main unit.

15 On iPod touch/iPhone/iPad, select "Wi-Fi" from "Settings", and then set to ON.

・ On the Android device, select "Wireless & networks" in "Settings", and then select "Wi-Fi settings".

・ On PC, open the screen for the wireless LAN network setup.

16 **Select your router from the list of available networks.**

• It may have already been chosen.
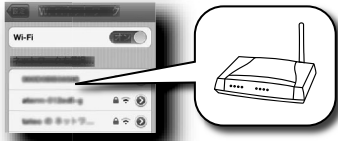
17 **On iPod touch/iPhone/iPad, start a "Music" application to display the "Now Playing" screen.**

• On PC, start iTunes or Windows Media Player 12. Start DLNA compatible application on other DLNA compatible devices.

• Refer to the instruction manual of your device for further detail.

18 **Tap or click the AirPlay icon ( ) to select "UD-NF7 xxxxxx".**

• When using DLNA application, specify the files to play back, and select "UD-NF7" as the audio output device.

• Operations may vary depending on the applications you are using. Refer to the help page of your application for further detail.

19 **Play back music.**

Audio is output from the speaker.

Note

• Once setting is completed, operations from step 3 to 16 are unnecessary.

• Try again from the beginning if connection cannot be made.

Adding AirPlay / DLNA Devices to the Same Wi-Fi Network as the Main Unit

You can add other AirPlay / DLNA devices to join the same Wi-Fi network as the unit.

1 **On the iPod touch/iPhone/iPad, select "Wi-Fi" from "Settings", and then set to ON.**

• On the Android device, select "Wireless & networks" in "Settings", and then select "Wi-Fi settings".

• On PC, open the screen for the wireless LAN network setup.

• If Wi-Fi function is Off, set it to On.

• Refer to the instruction manual of your device for further detail.

2 **Select your router SSID from the list of available wireless networks.**
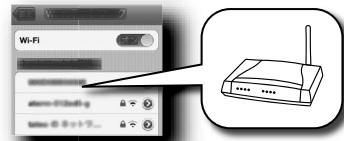
• Wait until successful Wi-Fi connection from the additional AirPlay / DLNA devices to the router.

Note

Perform the following operations if the network function is not operating correctly.

• Restart the wireless LAN router.

• Set Wi-Fi settings of the mobile device to Off, and set it to On again.

• Restart the mobile device.

• Unplug the main unit, and plug it again.

• Resetting the network setup (p. 43)

Navigating the AirPlay/DLNA Devices

Various function can be controlled from the remote control or your AirPlay / DLNA device.

Function	Main unit	Remote control	AirPlay device
Volume up/down	VOLUME (Volume Control)	△ ▽ VOLUME	✓ (Controlled)
Play/pause	►/‖	►/‖ iPod	✓
Next/previous track	◄◄ ►►	◄◄ ►►	✓
Mute	—	MUTE	✓
Repeat	—	REPEAT	✓
Shuffle	—	RANDOM	✓

Note

• Display content can be changed by pressing the [CD/USB DISPLAY] or [iPod DISPLAY/TV OUT] button.
• For DLNA compatible devices, the function control may vary depending on DLNA application used.
• Output from headphone is inactive when NETWORK is selected as a source, and "HP INVALID" is displayed.
• To enable this unit to control iTunes software, the setting below is required.

Setting iTunes on Mac PC

1 On the menu bar, click "iTunes" and select "Preferences".

2 Under "Devices" tab, check the '☑Allow iTunes audio control from remote speakers' box.

Setting iTunes on Windows PC

1 On the menu bar, click "Edit" and select "Settings".

2 Under "Devices" tab, check the '☑Allow iTunes audio control from remote speakers' box.

Playing by via Windows Media Player 12

1 Start Windows Media Player 12.

2 Select the files for playback. Drag the files to the right side of the menu screen, and drop them.
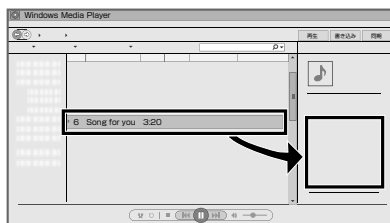
3 Click the "Remote" icon, and select the speaker (UD-NF7 xxxxxx).

Audio is output from the speaker.
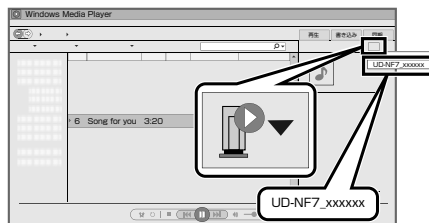
Checking the IP Address/Mac ID/ SSID

1 Press [Wi-Fi SETUP] button on the remote control.

2 Press [▼/▲] button on the remote control repeatedly.

The display will toggle as below:

Wi-Fi Setup → SSID (when using router) → Mac ID → IP address → Wi-Fi Setup
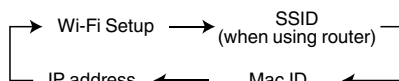
Listening to iPod/iPhone/iPad

Connecting iPod/iPhone/iPad

Supporting iPod/iPhone/iPad

- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPad (3rd generation)
- iPad 2
- iPad

Caution

- **You cannot send any data from this unit to iPod/iPhone/iPad.**
- To check the latest supporting status of iPod/iPhone/iPad, refer to the product information on our home page.
- If iPod/iPhone/iPad does not play correctly, update the software of iPod/iPhone/iPad to the latest version.
- Please visit Apple's homepage for further information about iPod/iPhone/iPad. <http://www.apple.com/>
- Do not carry the unit with iPod/iPhone/iPad connected. Doing so might cause damage to the dock or you might drop iPod/iPhone/iPad.
- Do not touch the terminals of the main unit, or hit these with objects. Doing so may cause malfunctions.

Note

- iPod/iPhone/iPad is charged in the following conditions:

Condition	Connection via iPod/iPhone dock	Connection via USB/iPad Terminal
When USB is selected as a source	○	○ (when iPod/iPhone is not connected to iPod/iPhone dock)
When other sources are selected (CD/TUNER/iPod/AUDIO IN/AUX/NETWORK)	○	×
On standby	○	×

- Perform operations on iPod/iPhone/iPad itself during menu screen operations by certain iPod/iPhone/iPad.
- Sound distortion may occur when playing back audio sources with high recording levels. If distortion occurs, it is recommended to turn off the equalizer of iPod/iPhone/iPad.
- Operate iPod touch/iPhone/iPad itself in the following cases:
  - when operating the home button
  - when selecting application icons on the home screen
  - when dragging the slider.
- Check the following if "This accessory is not supported by iPhone" is displayed on iPhone screen.
  - iPhone battery is low.
  - iPhone is not properly docked (eg. slanting).
- While iPod/iPhone/iPad is connected to the main unit, audio won't be output from headphones connected to the main unit.
- For information on operating iPod/iPhone/iPad, see the instruction manual for iPod/iPhone/iPad.

Connecting iPod/iPhone/iPad via USB/iPad terminal

Do not connect or disconnect iPod/iPhone/iPad when the unit is turned on.

1 **Insert a connector to iPod/iPhone/iPad.**

iPad

Connector
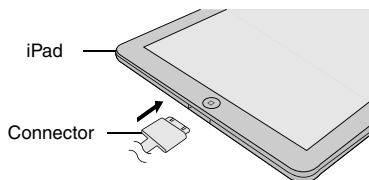
• Place iPad to the stand for iPad.

iPad

Stand for iPad
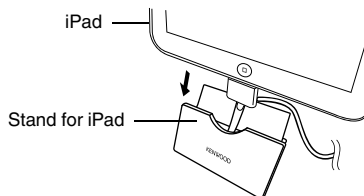
2 **Insert a connector to USB/iPad terminal of this unit.**
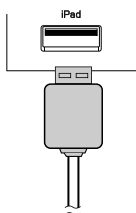
iPad

Removing iPod/iPhone/iPad from the USB/iPad terminal

1 **Turn off the power of the main unit.**

2 **Remove iPod/iPhone/iPad from the USB/iPad terminal.**

Connecting iPod/iPhone to the dock for iPod/iPhone

• Do not connect or disconnect iPod/iPhone when the unit is turned on.
• Remove all the accessories before connecting iPod/iPhone to the dock for iPod/iPhone.
• Connect iPod/iPhone firmly.
• Keep iPod/iPhone in a straight position while connecting/disconnecting it.

1 **Open the dock for iPod/iPhone by pulling up the cover.**

2 **Connect iPod/iPhone**

iPhone

iPhone (bottom)

Dock connector

iPod/iPhone Connector

Dock for iPod/iPhone

Playing back iPod/iPhone/iPad

Playing back iPod/iPhone

1 Insert iPod/iPhone unit into the iPod/iPhone dock of main unit.

2 Press the [⏻] button to turn on the power.

3 Press the [iPod] button on the remote control or [INPUT] button repeatedly on main unit to select [iPod] function.

4 Press [iPod ▶/❙❙] button on the remote control, or [▶/❙❙] on main unit.

Playback will start.

Playing back iPod/iPhone/iPad via the USB/iPad terminal

1 Connect iPod/iPhone/iPad via USB/iPad terminal.

・ Place iPad to the stand for iPad.

2 Press the [⏻] button to turn on the power.

3 Press the [USB/iPad] button on the remote control or [INPUT] button repeatedly on main unit to select [USB] function.

"USB/iPod" will be displayed.

4 Press the [CD/USB ▶/❙❙] button on the remote control, or [▶/❙❙] on main unit.

Playback starts.
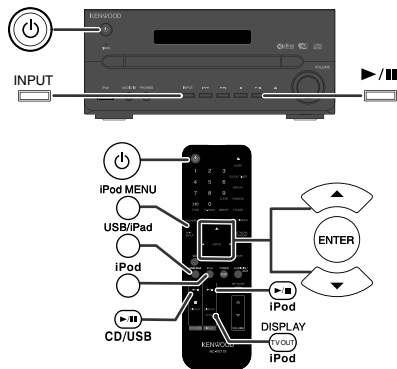
Note

・ [■] is not active while playing back iPod/iPhone/iPad.

・ Display content can be changed by pressing the [iPod DISPLAY/TV OUT] button.

(About iPhone)

・ Incoming calls will pause the playback.

・ Conversations on the phone is only output from the iPhone speaker. Start talking on the phone after turning on the iPhone speaker, or removing iPhone from the dock for iPod/iPhone.

・ You may also experience brief audio interference during incoming calls to your iPhone.

Watching videos on a TV connected to iPod/iPhone

1 Press the [iPod DISPLAY/TV OUT] button for more than 2 seconds until "TV OUT ON" appear on display.

・ The video is automatically displayed on the TV screen.

Note

・ TV out display is not support through USB terminal.

・ Set the video signal for iPod/iPhone to NTSC. Please visit Apple's homepage for further information.

・ To playback videos on iPod/iPhone screen, press [iPod DISPLAY/TV OUT] for more than 2 seconds, until "TV OUT OFF" is displayed.

Navigating the iPod/iPhone menus

1 Press the [iPod MENU] button.

・ Press it again to go back to previous menu.

2 Use the [▼/▲] button to select an item on the menu and then press [ENTER] button.

Navigating iPod/iPhone/iPad from the main unit

Only iPod/iPhone can be connected to the dock. iPod/iPhone/iPad can be connected via USB connection.

Operation	Main unit	Remote control		Note
	Dock connection/USB connection	Dock connection	USB connection	
Play/pause	▶/❚❚	▶/❚❚ iPod	▶/❚❚ CD/USB	Press in the pause mode.
Pause				Press in the playback mode.
Track up/down	⏮ ⏭	⏮ ⏭	⏮ ⏭	Press in the playback or pause mode.
				If you press the button in the pause mode, press the [▶/❚❚] button to start the desired track.
Fast reverse/ forward				Press and hold down in the playback mode.
				Release the button to resume playback.
Repeat	-	REPEAT	REPEAT	Press to toggle repeat mode. (p. 25)
Shuffle	-	RANDOM	RANDOM	Press to toggle shuffle mode. (p. 26)
Menu	-	iPod MENU	iPod MENU	Press to view the iPod/iPhone menu.
				Operation cannot be performed on iPad.
Cursor Up/ Down	-	⌃ ⌄	⌃ ⌄	Press to select the iPod/iPhone menu.
				Operation cannot be performed on iPad.
Enter	-	ENTER	ENTER	Press to confirm the iPod/iPhone menu.
				Operation cannot be performed on iPad.

Note

- Display content can be changed by pressing the [iPod DISPLAY/TV OUT] button.
- Operations described here depend on the generation iPod/iPhone/iPad you are using.

Do not press any buttons on iPod/iPhone/iPad when operating iPod/iPhone/iPad from the remote control. The volume level is adjusted by turning the volume knob on the main unit, or by pressing the [VOLUME△/▽] button on the remote control. Adjusting the volume on iPod/iPhone/iPad units give no effect.

System off (standby operation):

When the main unit is turned to standby mode, connected iPod/iPad unit will automatically turn to standby mode. (it may take longer time.)

Listening to CD, MP3/WMA discs
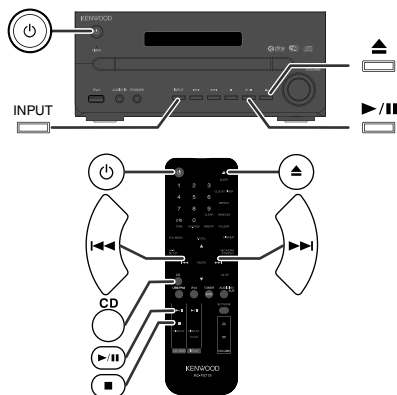
This unit can play back normal CD, CD-R/RW (in CD format), and CD-R/RW that includes MP3/WMA files.

Disc Playback

1 Press the [⏻] button to turn on the power.

2 Press the [CD] button on the remote control or [INPUT] button repeatedly on main unit to select CD function.

3 To open the disc tray, press [⏏] button on the remote control, or [⏏] on main unit.

4 Place the disc on the disc tray, label side up.
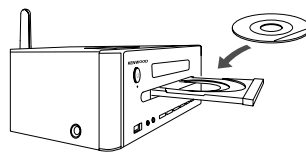
5 To close the disc tray, press [⏏] button on the remote control, or [⏏] on main unit.

6 Press the [CD/USB ▶/❙❙] button on the remote control, or [▶/❙❙] on main unit.

Playback will start.

・ After the last track is played, the unit will stop automatically.

- Do not place two discs in one disc tray.
- Do not play discs of special shapes (heart, octagon, etc). It may cause malfunctions.
- Do not push the disc tray while it is moving.
- If the power fails while the tray is open, wait until the power is restored.
- If TV or radio interference occurs during CD operation, move the unit away from the TV or radio.
- Be sure to place 8 cm disc in the middle of the disc tray.
- Due to the structure of the disc information, it takes longer to read an MP3/WMA disc than a normal CD.

- Depending on the recording condition and encoding method, some CD-R or CD-RW may not be played back.

- "MP3" indicator or "WMA" indicator flashes when this unit reads information on MP3/WMA disc.
- When the end of the last track on CD is reached during fast forward, "END" will appear on the display and CD operation will be paused.
- Multi-session discs can also be played back on this unit.

Various disc functions

Function	Main unit	Remote control	Note
Play	►/❙❙	►/❙❙ CD/USB	Press in the stop mode.
Stop	■	■	Press in the playback mode.
Pause	►/❙❙	►/❙❙ CD/USB	Press in the playback mode. Press the [►/❙❙] button to resume playback from the paused point.
Track up/down	◄◄ ►►	◄◄ ►►	Press in the playback or stop mode. If you press the button in the stop mode, press the [►/❙❙] button to start the desired track.
Fast forward/ reverse	◄◄ ►►	◄◄ ►►	Press and hold down in the playback mode. Release the button to resume playback.

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Useful Functions for Disc Playback
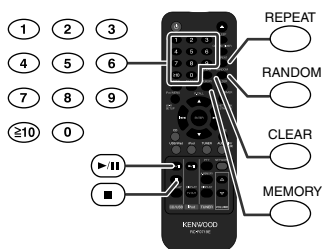
Direct track search

By using the numeric buttons, desired tracks on the current disc can be played.

- [1]-[9] buttons allow you to select up to number 9.
- When selecting number 10 or higher, use the [≧10] button.

For example, to choose 13

1 Press the [≧10] button once.

2 Press the [1] button.

3 Press the [3] button.

Selected track number
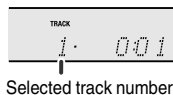
For example, to choose 130

1 Press the [≧10] button twice.

2 Press the [1] button.

3 Press the [3] button.

4 Press the [0] button.

> **Caution**
>
> - A track number higher than the number of tracks on the disc cannot be selected.
> - During random play, direct search is not possible.

Repeat play

Repeat play can play one track, all tracks or a programmed sequence continuously.

To repeat one track

1 Press the [REPEAT] button repeatedly until "Repeat One" appears.

2 Press [CD/USB ▶/❙❙] button on the remote control, or [▶/❙❙] on main unit.

To repeat all tracks

1 Press the [REPEAT] button repeatedly until "Repeat All" appears.

2 Press [CD/USB ▶/❙❙] button on the remote control, or [▶/❙❙] on main unit.

To repeat desired tracks

1 Perform steps in "Programmed play" to specify the order of tracks (p. 26).

2 Press the [REPEAT] button repeatedly until "Repeat All" appears.

To cancel repeat play

1 Press the [REPEAT] button repeatedly until "Normal" appears.

⮎ indicator disappears, and repeat play is cancelled.
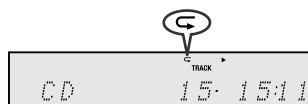
Random

The tracks on the disc can be played in random order automatically.

To random play all tracks

1 **Press [RANDOM] button on the remote control until "Random" appears.**

2 **Press [CD/USB ▶/❚❚] button on the remote control, or [▶/❚❚] on main unit.**

Repeat play is cancelled automatically after all the tracks are played.

To cancel random play

1 **Press the [RANDOM] button again.**

"RDM" indicator disappears, and random play is cancelled.

RDM   TRACK ▶
CD   1· 001

Note

If you press the [▶▶|] button during random play, you can move to the track selected next by the random operation. By pressing the [|◀◀] button, the beginning of the track currently being played will be located. You can't go back to the previous track being played.

Programmed play (CD)

Up to 32 tracks can be programmed.

1 **Press the [MEMORY] button on the remote control during the stop mode.**

"MEM" indicator flashes.

MEM
P01

2 **Press the numeric buttons from [0] to [9] and [≧10] to select a desired track.**

MEM TRACK
P01   1· 431

Selected track number

3 **Repeat step 2 for other tracks.**

• Press [MEMORY] repeatedly to check the programmed tracks.

• Program can be cancelled by pressing the [CLEAR] button.

4 **Press the [CD/USB ▶/❚❚] button on the remote control, or [▶/❚❚] on main unit.**

Playback will start.

Note

Programmed play (MP3/WMA)

Up to 32 tracks can be programmed.

1 **Press the [MEMORY] button on the remote control during the stop mode.**

MP3 WMA   MEM
P01

2 **Press the [▼/▲] button to select desired playback folder.**

MP3 WMA FOLD   MEM FILE   TOTAL
P01   1   5SONGS

3 **Press the numeric buttons from [0] to [9] and [≧10] to select the desired track.**

MP3 WMA FOLD   MEM FILE   ▶
P01   2   5WE AR

4 **Repeat step 2 and 3 to specify other folders or track numbers.**

5 **Press [CD/USB ▶/❚❚] button on the remote control, or [▶/❚❚] on main unit.**

Playback will start.
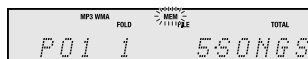
Note

To add tracks in the programmed order

1 **Press the [MEMORY] button.**

"MEM" indicator flashes if the previous programme is stored.

2 **Repeat step 2 for other tracks.**

To cancel the programmed play mode

1 **During programmed stop mode, press the [CD/USB ■] button on the remote control, or [■] on main unit.**

The display will show "Memory Clear" and all the programmed contents will be cleared.

Note

· When a disc is ejected, the programme is automatically cancelled.

· Programme is cancelled if the power of the main unit is turned off, or the source is switched from CD to others.

· During the programme operation, random play is not possible.

About the Files

MP3

MP3 is a type of audio code which is processed by significant compression from the original audio source with very little deterioration in sound quality.

· During VBR file playback, time counter in the display may differ from its actual playback time.

WMA

WMA files are advanced system format files that include audio files which are compressed with Windows Media Audio codec. WMA is developed by Microsoft as an audio format file for Windows Media Player.

MP3/WMA Folder Mode (Only for MP3/WMA Files)

You can select the folder that contains the music you want to listen.

Procedure to playback MP3/WMA disc with folder mode on
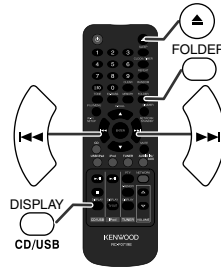
1 **Press the [⏏] button to open the disc tray, and insert the MP3/WMA disc.**

2 **Press the [FOLDER] button.**

"FOLD" indicator flashes when the folder mode is set to On.

MP3 indicator — WMA indicator — DISC TOTAL Indicator

Total number of folder — Total number of files

3 **Press the [▼/▲] button repeatedly to select desired playback folder.**

FOLDER indicator
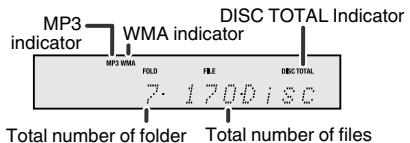
FOLDER number — First track number in the folder
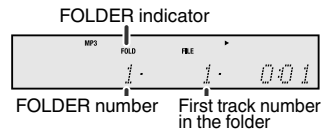
4 **Press the [◄◄/►►] button repeatedly to select desired playback folder.**

27

5 **Press the [CD/USB ▶/❙❙] button on the remote control, or [▶/❙❙] on main unit.**

• Title, Artist and Album name are displayed if they are recorded on the disc. (only alphanumeric characters)

• Displayed contents can be switched by pressing the [CD/USB DISPLAY] buttons repeatedly.

File name display ———————▶ Folder display
↑ ↓
Counter display Title display
└─ Album name ◀——— Artist name ↵
display display

Note

• "Not Support" is displayed for the WMA files with copyright protection, or files formatted in which this unit does not support.

• If no playable files are available in the selected folder, such folder is skipped.

• By pressing the [FOLDER] button, On/Off of the folder mode is switched.

• Files that are played when folder mode is set to the on position, may differ from those played back when folder mode is turned off.

About folder playback order

When playing back MP3/WMA files, tracks in the Root folder are played back.

The following figure illustrates the order of audio files selected by this unit.
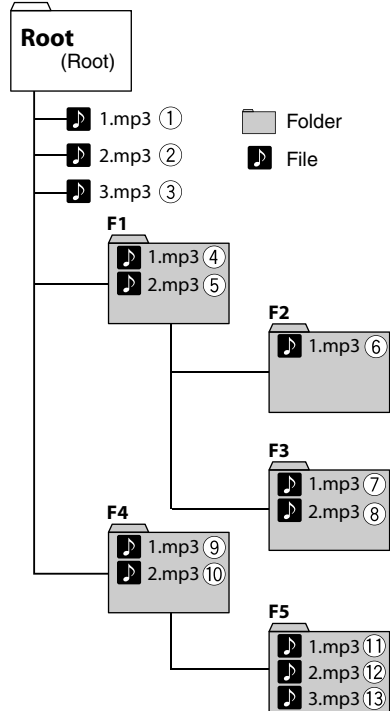
Caution

• Actual playback order may vary depending on the recorded order of the track and software being used.

• During playback, tracks are played from the folder being created earlier. Within the folder, tracks are played from the one being recorded earlier.

• Playback orders may be changed if the folder name and file names are changed.

• For MP3/WMA, 512 numbers of folders and files inclusive of the folders which have non playable files can be read.

• Maximum of 255 files can be read.

Listening to the USB Mass Storage Device

INPUT

iPad

FOLDER

USB/iPad

ENTER

DISPLAY

CD/USB
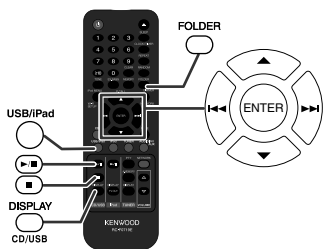
Playing back the USB Mass Storage Device

1 Press the [⏻] button to turn on the power.

2 Press the [USB/iPad] button on the remote control or [INPUT] button repeatedly on main unit to select "USB" function.

3 Connect the USB memory device that has MP3/WMA format files on the unit.

   When the USB memory is connected to the main unit, the device information will be displayed.

   iPad
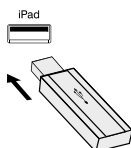
4 Press the [I◀◀/▶▶I] button repeatedly to select desired playback folder.

5 Press the [CD/USB ▶/❙❙] button on the remote control, or [▶/❙❙] on main unit.

   ・ Title, Artist and Album name are displayed if they are recorded in the USB memory device.

   ・ Displayed contents can be switched by pressing the [CD/USB DISPLAY] buttons repeatedly.

USB function is disabled when iPod or iPhone is connected to the iPod/iPhone dock. Remove iPod/iPhone from the dock to play music via USB connection.

To pause playback

1 Press the [CD/USB ▶/❙❙] button on the remote control, or [▶/❙❙] on main unit.

To stop playback

1 Press the [CD/USB ■] button on the remote control, or [■] on main unit.

Playing back USB/audio player with folder mode on

1 Press the [⏻] button to turn on the power.

2 Press the [USB/iPad] button on the remote control or [INPUT] button repeatedly on main unit to select "USB" function.

3 Connect the USB memory device that has MP3/WMA format files on the unit.

   When the USB memory is connected to the main unit, the device information will be displayed.

4 Press the [FOLDER] button.

5 Press the [▼/▲] button to select desired playback folder.

6 Press the [I◀◀/▶▶I] button repeatedly to select desired playback folder.

7 Press the [CD/USB ▶/❙❙] button on the remote control, or [▶/❙❙] on main unit.

   ・ Title, Artist and Album name are displayed if they are recorded on the file.

   ・ Displayed contents can be switched by pressing the [CD/USB DISPLAY] buttons repeatedly.

Navigating the USB device from the main unit

Operation	Main unit	Remote control	Note
Play	►/❚❚	►/❚❚ CD/USB	Press in the stop mode.
Stop	■	■	Press in the playback mode.
Pause	►/❚❚	►/❚❚ CD/USB	Press in the playback mode. Press the [►/❚❚] button to resume playback from the paused point.
Track up/down	◄◄ ►►	◄◄ ►►	Press in the playback or stop mode. If you press the button in the stop mode, press the [►/❚❚] button to start the desired track.
Fast forward/ reverse	◄◄ ►►	◄◄ ►►	Press and hold down in the playback mode. Release the button to resume playback.

To remove USB memory device

1 **To stop playback, press the [CD/USB ■] button on the remote control, or [■] on main unit.**

2 **Disconnect the USB device from the USB/ iPad terminal.**

iPad
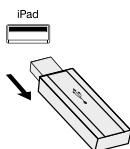
Note

If USB memory device is not connected, "USB No Media" will be shown on the display.

Caution

- You cannot send any data from the unit to the USB device.
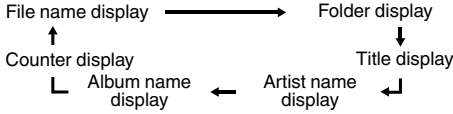- It is recommended to use USB mass storage class devices with 4 GB or less storage capacity.
- Disable security function of the USB device.
- When the source is set to "USB", this unit starts charring the battery of the USB device.
- Disconnect the USB device after stopping playback. Disconnecting the USB device during playback may cause some problem of the USB device and its files.
- We will not be held liable for the loss of data while the USB memory device is connected to the audio system. Please be noted in advance.

- AAC files cannot be played back.
- DRM files cannot be played back.
- This product can play WMA and MP3 files. It will automatically detect the file type being played. If unplayable file is played on this unit, "Not Support" is indicated and the file will be automatically skipped. This operation takes few seconds. Turn off the power of this unit and turn back on again if unusual display is found due to the unplayable files.
- MTP connection is not supported by this unit.
- This unit is not guaranteed to operate with all the USB devices. Please be noted in advance.
- Do not connect the USB device to the main unit via USB cable. Use of USB cable will affect the performance of this audio system. iPod/iPhone/iPad is not prone to this condition.
- Do not use a USB hub.
- USB/iPad terminal of this unit cannot be used for PC connection.
- Playback from the external HDD storage is not supported.
- Depending on the connected devices, malfunction may occur. Turn off the power of this unit and turn back on again.
- This unit support the USB devices which are formatted in FAT16 or FAT32.
- If the data inside the USB memory is large, it may take longer time for the data to be read.

Advanced USB Playback

For the following features, operation methods are the same as these for the disc.

- **"Direct track search" (p. 25)**
- **"Repeat play" (p. 25)**
- **"Random" (p. 26)**
- **"Programmed play (MP3/WMA)" (p. 26)**

Note

- The ID3TAG information supported is title, artist and album only. (only alphanumeric characters)
- The WMA tags supported are title, artist and album only. (only alphanumeric characters)
- This unit can display Folder Name or File Name up to 32 characters.
- This unit supports MPEG-1 Audio Layer-3(MP3) files. (Sampling Frequency is 32, 44.1, 48kHz.)
- Bitrate which is supported by MP3 is 32 - 320 kbps. Bitrate which is supported by WMA is 64 - 160 kbps.
- For MP3/WMA files, please put .mp3 or .wma extension. Files cannot be played back without these extensions..
- WMA files with copyright protection cannot be played.
- The unit cannot play back a file larger than 2 GB.
- When playing back the Variable Bitrate (VBR) files, playback time may not be displayed correctly.
- Playback order of the MP3/WMA files may vary depending on the writing software being used.
- Playlists are not supported on this unit.
- Total number of folders read is 999 including folder with non-playable file. However, the display shows only folder with MP3/WMA files.
- Maximum of 255 files per folder is read.
- Maximum total number of MP3/WMA files this unit can recognise is 65,025.
- If the USB device is divided into multiple partitions, this unit recognises the first partition.

Listening to the Radio

Connect the aerial in advance. (p. 7)
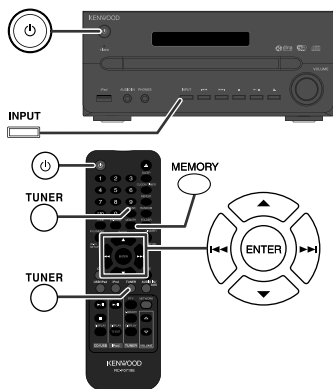
Tuning

Manual tuning

1 Press the [⏻] button to turn on the power.

2 Press the [INPUT] button on the main unit or [TUNER] button on the remote control repeatedly to select FM Stereo or FM Mono.

3 Press the [I◄◄/►►I] button on the remote control repeatedly to tune in to the desired station.

Auto tuning

1 Press the [⏻] button to turn on the power.

2 Press the [INPUT] button on the main unit or [TUNER] button on the remote control repeatedly to select FM Stereo or FM Mono.

3 Press the [I◄◄/►►I] button on the remote control for more than 0.5 seconds.

Scanning will start automatically and the tuner will stop at the first receivable broadcast station.

Note

- In case of poor reception of radio wave, auto tuning may stop.
- Auto scan tuning will skip stations remitting weak signal.
- To stop the auto tuning, press the [I◄◄/►►I] button again.
- When an Radio Data System station is tuned in, the frequency is displayed first, followed by the name of the station.

To receive an FM stereo transmission

1 Press the [TUNER] button repeatedly until "FMST" appears.

"ST" indicator flashes. ►●◄ and/or ● indicator flashes when a broadcast is in stereo.

- If the FM reception is weak, press the [TUNER] button to extinguish the "ST" indicator. The reception changes to monaural, and the sound becomes clearer.

Memorising the Broadcasting Stations

You can store 40 stations in memory.

1 **Tune in to a station you want to preset.**

2 **Press the [MEMORY] button.**

```
   MEM            ▶●◀ FM ST ●

  1 0 3 . 6 0 M H z      1
```
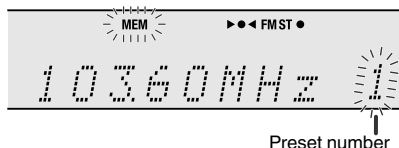
Preset number

3 **Within 30 seconds, press the [▼/▲] button to select the preset channel number.**

· Store the stations in memory, in order, starting with preset channel 1.

4 **Within 30 seconds, press the [MEMORY] button to store that station in memory.**

· If the "MEM" and preset number indicators disappear before the station is memorised, repeat the operation from step 2.

5 **Repeat steps 1 - 4 to set other stations, or to change a preset station.**

· When a new station is stored in the memory, the station previously memorised for that preset channel number will be erased.

Note

Backup function protects the memorised stations for a few hours should there be a power failure or the AC power lead become disconnected.

To recall stations in memory

1 **Press the [▼/▲] button to select the desired station.**

To scan the preset stations

Stations saved in the memory can be scanned automatically. (Preset memory scan)

1 **Press the [▼/▲] button for more than 0.5 seconds.**

· The preset number will flash and the programmed stations will be tuned in sequentially, for 5 seconds each.

2 **Press the [▼/▲] button again when the desired station is located.**

To erase entire preset memory

1 **Press the [⏻] button to enter the standby mode.**

2 **While pressing down the [|◀◀] button, press the [⏻] button.**

"Tuner Clear" will be displayed.

```
|◀◀  ⇨  (⏻)        Tuner  Clear
```
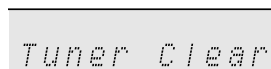
Radio Data System

Using Radio Data System

Increasing number of FM stations has started providing the Radio Data System service. These FM stations send additional signals along with their regular programme signals. They send their station names, and information about the type of programme such as sport, music, etc.

"TP" (Traffic Programme) will appear on the display when the received broadcast carries traffic information, and "TA" (Traffic Announcement) will appear while a traffic information is on air.

PTYI (Dynamic PTY Indicator) will appear while the Dynamic PTY station is received.

PTYI TP TA

```
FM      8880MHz
```
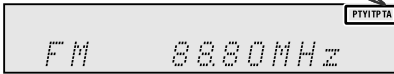
You can control the Radio Data System by using the buttons on the remote control only.

Information Provided by Radio Data System

Each time the [Radio Data System DISPLAY] button is pressed, the display will switch as follows:


```
BBC R1
```
Station name (PS) ⇨
```
NEWS
```
Programme type (PTY)
⇧ ⇩
```
FM      9880MHz
```
Frequency ⇦
```
UK WEATH
```
Radio text (RT)
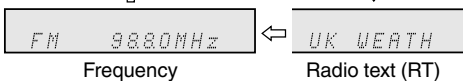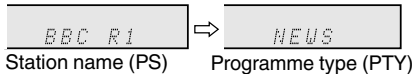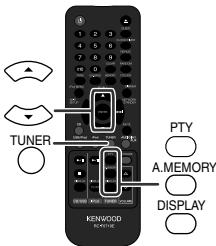
When tuning in to a station other than an Radio Data System station or to an Radio Data System station which sends weak signal, the display will change in the following order:

No PS ⟶ No PTY

FM 98.80 MHz ⟵ No RT
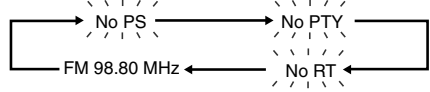
Using the Auto Preset Memory

While in the Auto Preset Memory mode, the tuner will automatically search for new Radio Data System stations. Up to 40 stations can be stored.

If you have already stored some stations in memory, the number of new stations you can store will be less.

1   Press the [TUNER] button on the remote control or [INPUT] button repeatedly on main unit to select "TUNER" function.

2   Press and hold down the [A.MEMORY] button on the remote control.

  • After "AUTO PRESET" has flashed for about 4 seconds, scanning will start (87.50 - 108.00 MHz).

```
AUTO PRESET
```
⇨
```
FM      8750MHz
```
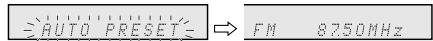
  • The station is saved once the Radio Data System is found.

  • After scanning, the number of stations stored in memory will be displayed for 4 seconds, and then "END" will appear for 4 seconds.

```
08 MEMORY
```
⇨
```
END
```

To stop the Auto Preset Memory operation before it is complete

1   Press the [A.MEMORY] button while it is scanning for stations.

The stations which are already stored in memory will be kept there.

- If the same station is broadcasting on different frequencies, the strongest frequency will be stored in memory.
- Any station which has the same frequency as the one stored in memory will not be stored.
- If 40 stations have already been stored in memory, the scan will be aborted. If you want to redo the Auto Preset Memory operation, erase the preset memory.
- If no station have been stored in memory, "END" will appear for about 4 seconds.
- If the Radio Data System signals are very weak, station names may not be stored in memory.
- The same station name can be stored in different channels.
- In a certain area or during certain time periods, the station names may temporarily be different.

Notes for Radio Data System Operation

If any of the following events occur, it does not mean that the unit is faulty:

- "PS", "No PS" and a station name appear alternately, and the unit may not operate properly.
- If a particular station is not broadcasting properly or a station is conducting tests, the Radio Data System reception function may not work properly.
- When you receive an Radio Data System station whose signal is too weak, information like the station name may not be displayed.
- "No PS", "No PTY" or "No RT" will flash for about 5 seconds, and then the frequency will be displayed.

Notes for radio text:

- The first 14 characters of the radio text will appear for 4 seconds and then they will scroll across the display.
- If you tune in to an Radio Data System station which is not broadcasting any radio text, "No RT" will be displayed when you switch to the radio text position.
- While radio text data is received or when the text contents change, "RT" will be displayed.

Programme Type (PTY) Search

To specify programmed types and select stations (PTY search)

You can search a station by specifying the programme type (news, sports, traffic programme, etc. ... see page 36) from the stations in memory.

1 Press the [TUNER] button on the remote control or [INPUT] button repeatedly on main unit to select "TUNER" function.

2 Press the [PTY](Radio Data System) button on the remote control.

SELECT	⇔	PTY TI

"SELECT" and "PTY TI" will appear alternately for about 6 seconds.

3 Within 6 seconds, press the [◄◄/►►] button to select the programme type.

News
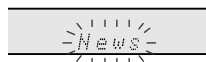
Each time the button is pressed, the programme type will appear. If the button is held down for more than 0.5 seconds, the programme type will appear continuously.

4 While the selected programme type is flashing (within 6 seconds), press the [PTY] button again.

News	⇨	SEARCH

After the selected programme type has been lit for 2 seconds, "SEARCH" will appear, and the search operation will start.

- If the display has stopped flashing, start again from step 2. If the unit finds a desired programme type, the corresponding channel number will lit for about 8 seconds, and then the station name will remain it.

- If you want to listen to the same programme type of another station, press the [PTY] button while the channel number or station name is flashing. The unit will look for the next station.

- If no station can be found, "Not Found" will appear for 4 seconds.

If you select the traffic programme:

If you select the traffic programme (TP) in step 3, "TP" will appear.

(This does not mean that you can listen to the traffic information at that time.)

When the traffic information is broadcast, "TA" will appear.

Descriptions of the PTY (Programme Type) codes, TP (Traffic Programme) and TA (Traffic Announcement)

You can search for and receive the following PTY, TP and TA signals.

NEWS	Short accounts of facts, events and publicly expressed views, reportage and actuality.
AFFAIRS	Topical programme expanding or enlarging upon the news, generally in different presentation style or concept, including debate, or analysis.
INFO	Programmes whose purpose is to impart advice in the widest sense.
SPORT	Programme concerned with any aspect of sport.
EDUCATE	Programme intended primarily to educate, of which the formal element is fundamental.
DRAMA	All radio plays and serials.
CULTURE	Programmes concerned with any aspect of national or regional culture, including language, theatre, etc.
SCIENCE	Programmes about the natural sciences and technology.
VARIED	Used for mainly speech-based programmes usually of light entertainment nature, not covered by other categories. Examples include: quizzes, panel games, personality interviews.
POP M	Commercial music, which would generally be considered to be of current popular appeal, often featuring in current or recent record sales charts.
ROCK M	Contemporary modern music, usually written and performed by young musicians.
EASY M	Current contemporary music considered to be "easy-listening", as opposed to Pop, Rock or Classical, or one of the specialised music styles, Jazz, Folk or Country. Music in this category is often but not always, vocal, and usually of short duration.
LIGHT M	Classical music for general, rather than specialist appreciation. Examples of music in this category are instrumental music, and vocal or choral works.
CLASSICS	Performances of major orchestral works, symphonies, chamber music, etc., and including Grand Opera.
OTHER M	Musical styles not fitting into any of the other categories. Particularly used for specialist music of which Rhythm & Blues and Reggae are examples.
WEATHER	Weather reports and forecasts and meteorological information.
FINANCE	Stock Market reports, commerce, trading, etc.

CHILDREN	For programmes targeted at a young audience, primarily for entertainment and interest, rather than where the objective is to educate.
SOCIAL	Programmes about people and things that influence them individually or in groups. Includes: sociology, history, geography, psychology and society.
RELIGION	Any aspect of beliefs and faiths, involving a God or Gods, the nature of existence and ethics.
PHONE IN	Involving members of the public expressing their views either by phone or at a public forum.
TRAVEL	Features and programmes concerned with travel to near and far destinations, package tours and travel ideas and opportunities. Not for use for announcements about problems, delays, or roadworks affecting immediate travel where TP/TA should be used.
LEISURE	Programmes concerned with recreational activities in which the listener might participate. Examples include, Gardening, Fishing, Antique collecting, Cooking, Food & Wine, etc.
JAZZ	Polyphonic, syncopated music characterised by improvisation.
COUNTRY	Songs which originate from, or continue the musical tradition of the American Southern States. Characterised by a straightforward melody and narrative story line.
NATION M	Current Popular Music of the Nation or Region in that country's language, as opposed to International "Pop" which is usually US or UK inspired and in English.
OLDIES	Music from the so-called "golden age" of popular music.
FOLK M	Music which has its roots in the musical culture of a particular nation, usually played on acoustic instruments. The narrative or story may be based on historical events or people.
DOCUMENT	Programme concerned with factual matters, presented in an investigative style.
TEST	Broadcast when testing emergency broadcast equipment or receivers.
ALARM!	Emergency announcement made under exceptional circumstances to give warning of events causing danger of a general nature.
NONE	No programme type (receive only).
TP	Broadcasts which carry traffic announcements.
TA	Traffic announcements are being broadcast.

Using the Timer
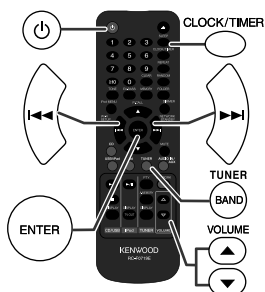
Timer Playback

This unit turns on and plays the desired source (CD, TUNER, USB, iPod, AUDIO IN, AUX) at a preset time.

This unit has 2 types of timer.

Once timer

Once timer play works for one time only at a preset time, to play the selected source.

(⏲ Indicator)

Daily timer

Daily timer play works for several times of the preset time and dates, to play the selected source. For example, this timer can be set as an alarm clock every morning.

("DAILY" Indicator)

To set the timer playback

Before setting timer:

- Check that the clock is set to the correct time. (p. 12)
- Connect the USB device, iPod.iPhone/iPad, or set the disc to be used for the Timer playback.

1 Press the [⏻] button to turn on the power.

2 Press and hold the [CLOCK/TIMER] button.

3 Within 10 seconds, press the [|◄◄/►►|] button to select Once Timer or Daily Timer, and then press the [ENTER] button.

4 Within 10 seconds, press the [|◄◄/►►|] button to select "Timer Set", and then press the [ENTER] button.

5 Press the [|◄◄/►►|] button to select the timer playback source (CD, TUNER, USB, iPod, AUDIO IN, AUX), and then press the [ENTER] button.

- After selecting "TUNER", press the [|◄◄/►►|] repeatedly to select the preset broadcasting channel, and then press the [ENTER] button.
- "No Preset" indicator is displayed if the broadcasting is not preset, and the timer setting is cancelled.

6 Press the [|◄◄/►►|] buttons to set the date, and then press the [ENTER] button.

- If "Once" is selected in step 3, select the date.
- If "Daily" is selected in step 3, select the starting and ending dates.
  Example) To set from Monday to Friday, select "Mon–Fri".

7 Press the [|◄◄/►►|] buttons to set the hour, and then press the [ENTER] button.

8 Press the [|◄◄/►►|] buttons to set the minute, and then press the [ENTER] button.

9 Set the time to finish as in steps 7 and 8 above.

10 Adjust the volume with the [VOLUME ▽/△] button, and then press the [ENTER] button.

- Do not turn the volume up too high.

11 Press the [⏻] button to enter the standby mode.

TIMER LED lights up and the unit is ready for timer playback.

- When the preset time is reached, playback will start. The volume will increase gradually until it reaches the preset volume. "TIMER LED" will blink during timer playback.
- When the timer end time is reached, this unit will enter the standby mode automatically.

Once timer

The timer will be cancelled after the timer operation is completed.

Daily timer

Timer setup will be continued until cancelled. Cancel the setting when it is not in use.

Using Once timer and Daily timer together

For example, Once timer can be used to listen to the radio, and Daily timer can be set as an alarm.

1 Press the [⏻] button to turn on the power.

2 Set the Daily timer.
   • Perform steps 2 - 10 in "To set the timer playback".

3 Set the Once timer.
   • Perform steps 2 - 10 in "To set the timer playback".

```
                ( Intervals of 1 minute or longer )
                        ┌ ─ ─ ─ ─ ┐
┌──────────────┐        │         │        ┌──────────────┐
│  Daily Timer │        │         │        │  Once Timer  │
└──────────────┘ ─ ─ ─ ─┘         └ ─ ─ ─ ─└──────────────┘
( Start )      ( Stop )          ( Start )      ( Stop )
```
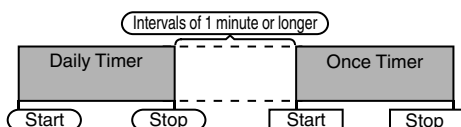
4 Press the [⏻] button to enter the standby mode.

To check the timer setting

1 Press [⏻], and then press and hold down the [CLOCK/TIMER] button.

2 Within 10 seconds, press the [◄◄/►►] button to select Once Timer or Daily Timer, and then press the [ENTER] button.

3 Within 10 seconds, press the [◄◄/►►] button to select "Timer Call", and then press the [ENTER] button.

To cancel the timer setting

1 Press [⏻], and then press and hold down the [CLOCK/TIMER] button.

2 Within 10 seconds, press the [◄◄/►►] button to select Once Timer or Daily Timer, and then press the [ENTER] button.

3 Within 10 seconds, press the [◄◄/►►] button to select "Timer Off", and then press the "ENTER" button.

   The timer will be cancelled. (Setting will not be cancelled.)

To use the memorised timer setting

The timer setting will be memorised once it is entered. To reuse the same setting, perform the following operations.

1 Press [⏻], and then press and hold down the [CLOCK/TIMER] button.

2 Within 10 seconds, press the [◄◄/►►] button to select Once Timer or Daily Timer, and then press the [ENTER] button.

3 Within 10 seconds, press the [◄◄/►►] button to select "Timer On", and then press the [ENTER] button.

4 Press the [⏻] button to enter the standby mode.

Sleep Operation

This unit will enter the standby mode after the set time has elapsed.

1 **Play back the desired sound source.**

2 **Press the [SLEEP] button.**

3 **Within 5 seconds, press the numeric buttons from [0] to [9] to set the time. (1 minute to 99 minutes)**

"SLEEP" will be displayed.

The unit will enter the power standby mode automatically after the preset time has elapsed. The volume will be turned down 1 minute before the sleep operation finishes.

To confirm the remaining sleep time

1 **While "SLEEP" is indicated, press the [SLEEP] button.**

To cancel the sleep operation:

1 **While "SLEEP" is indicated, press the [⏻] button to enter the standby mode.**

To cancel the sleep operation without setting the unit to the standby mode, proceed as follows.

1 **While "SLEEP" is indicated, press the [SLEEP] button.**

2 **Within 5 seconds, press the [0] button twice.**

"SLEEP 00" will be displayed.

Using the Timer and the Sleep Operation Together

Sleep and timer playback

For example, you can fall asleep listening to the radio and wake up to CD in the next morning.

1 **Set the sleep timer.**

2 **Set the timer playback.**

Sleep timer setting   Timer playback setting   End time

| 1-99 minutes | | Desired time |

Sleep operation will automatically stop   Timer playback start time
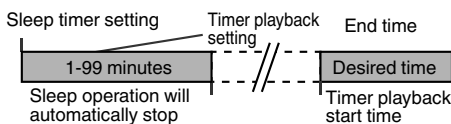
Connecting Other Devices and Headphones

Headphones and connection code are not included in this unit.

AUDIO IN — AUDIO IN

PHONES — PHONES

Stereo mini plug

Portable audio player, etc.

Audio cable (not included)

Headphones (commercially available)

To listen to the portable audio player

1 Use an audio cable to connect the portable audio player, etc., to the AUDIO IN terminal.
  - When using video equipment, connect the audio output to this unit and the video output to a television.

2 Press the [⏻] button to turn on the power.

3 Press the [AUDIO IN/AUX] button on the remote control or [INPUT] button repeatedly on main unit to select "AUDIO IN" function.

4 Play back the connected devices
  - If volume level of the connected device is too high, sound distortion may occur. Should this happen, lower the volume of the connected device. If volume level is too low, increase the volume of the connected device.

To listen by using headphones
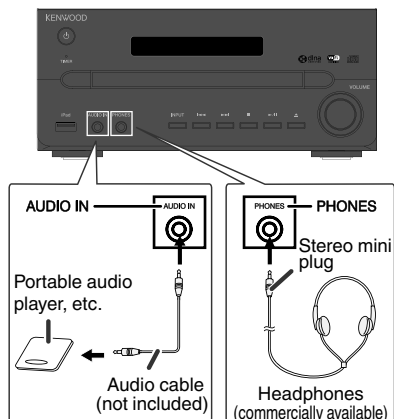
1 Connect the headphones to the PHONE terminal
  - Be sure to turn down the volume before connecting or putting on the headphones.
  - Connecting the headphones deactivates the speakers.

Troubleshooting

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

If the following operations won't resolve malfunctions:

This unit works using a built-in microprocessor. If buttons are not operative, disconnect the AC power cord from the all outlet, wait for a while, then connect the cord again.

General

Clock is not set to the correct time.

➡ Did a power failure occur? Reset the clock again. (p. 12)

No sound is produced.

➡ Is the volume level set to "Min"?

➡ Are the headphones connected?

Remote Control

The remote control does not operate.

➡ Is the battery polarity correct?

➡ Is the battery dead?

➡ Is the distance or angle incorrect?

➡ Does the remote control sensor receive strong light?

iPod/iPhone/iPad

No sound is produced.

➡ iPod/iPhone/iPad is not playing.

➡ iPod/iPhone/iPad is not properly connected to the unit.

Unable to play back or recognise iPod/iPhone/iPad

➡ Reset iPod/iPhone/iPad when disconnected from the main unit, and unplug the power of the main unit and plug in again. (Please visit the Apple homepage for further information about resetting iPod/iPhone/iPad.)

iPod/iPhone/iPad won't be charged.

➡ iPod/iPhone/iPad is not making full contact with the connector.

➡ Your iPod may not be supported by the main unit.

"This accessory is not supported by iPhone" appears on the iPhone screen.

➡ Battery is low. Please charge the iPhone.

➡ iPhone is not properly docked.

USB

Device cannot be detected.

➡ Is there any MP3/WMA file available?

➡ Is the device properly connected?

Playback does not start.

➡ Is it a copyright protected WMA file?

➡ Is it a false MP3 file?

➡ Is iPod/iPhone connected to the iPod/iPhone dock? Remove iPod/iPhone from the iPod/iPhone dock to playback the USB device.

Wrong time display. Wrong file name display.

➡ Is Variable Bitrate file being played back?

Radio

Radio is making unusual noises continuously.

➡ Is the unit placed near the TV or computer?

➡ Is the FM aerial placed properly? Move the aerial away from the AC power lead if it is located nearby.

CD Player

Playback does not start. Playback stops in the middle or is not performed properly.

➡ The disc is placed upside down.

➡ Does the disc satisfy the standards?

➡ Is the disc distorted or scratched?

Playback sounds are skipped, or stopped in the middle of a track.

➡ Is the unit located near excessive vibrations?

➡ Is the disc very dirty?

➡ Has condensation formed inside the unit?

AirPlay / DLNA

No AirPlay icon on AirPlay device or iTunes in my PC.

➡ Is the unit joined to the network?

➡ Is the "Bonjour" service in your Mac/PC enabled before you open iTunes?

AirPlay/DLNA connection failed with PC.

➡ Firewalls and security software must be disabled.

➡ Is your network speed fast enough? You may need to turn off other devices that are connected to the router.

Breaking of music streaming.

➡ Restart your AirPlay / DLNA device or this unit.

➡ Enable the Auto Channel Scan Option on the Wi-Fi router if available.

➡ Enable the Wireless Intelligent Stream Handling (WISH) option on the Wi-Fi router if available.

➡ Enable the Quality of Service (QoS) option on the Wi-Fi router if available.

➡ Other home routers must be turned off.

Wi-Fi Connection

Wi-Fi network connection failed.

➡ Is your router Wi-Fi certified?

➡ WPS Pin and WPS-PBC routers is not supported by this unit.

➡ Do not use special characters like '%, #, *' to rename your router or the AirPlay device in the setting menu.

➡ Is the unit placed near a potential source of interference, such as microwave ovens?

Unable to select tracks. The name of this unit won't be displayed on the AirPlay/DLNA devices.

➡ Use an application that support the Digital Media Server (DMS). Check the downloaded softer about DMS support.

Direct wireless connection has failed.

➡ Move this unit closer to the AirPlay/DLNA device.

➡ Try another application if playback has failed.

Caution

We do not guarantee that this unit is connected to or operated correctly with all the applications. Please be noted in advance.

Resetting the Network Setup

If the Network function operates incorrectly, do the reset operation as below:

1 Press and hold the [CLEAR] button while using NETWORK. (about 10 seconds)

"Network Clear" will be displayed.
("Network Clear" won't be displayed during playback, and name of the track remains displayed.)

・ This operation will erase the current network setting.

Other

Factory Reset, Clearing All Memory

1 **Press the [⏻] button of this unit to turn off the power.**

2 **While pressing down the [⏏] button, press the [⏻] button.**

"Clear All" will be displayed.

⏏ ⇨ ⏻   *Clear All*

Caution

By this operation, all data inside of the memory (clock, timer setting, TUNER preset, etc) is deleted, and factory reset is complete.

Before transporting the unit

Remove iPod/iPhone/iPad, USB devices or eject a CD from the unit, and shut off the power of this unit. Keep iPod/iPhone/iPad or USB devices connected or a CD being left inside the disc tray may cause malfunction.

About DLNA Devices

• About the Digital Media Server (DMS)

- Files stored in the Network Attached Storage (NAS) or PC can be played back by the Digital Media Renderer (DMR) being connected to the network.

• About the Digital Media Renderer (DMR)

- It is used to play back files transmitted from the Digital Media Controller (DMC) and the Digital Media Server (DMS) via wireless music speaker.

- Digital Media Renderer (DMR) can be connected to the DLNA device without using a wireless LAN router. (Direct wireless connection.)

• About the Digital Media Controller (DMC)

- It is used to find contents that are stored in the Digital Media Server (DMS), and to play back the contents via tablet devices (connected to the internet), Wi-Fi supporting digital camera, mobile information terminal (PDA), etc.

• Smartphone and PC (DMS+DMC)

- Before using DLNA function, download and install a DLNA application for the Android device.

- Some smartphones have already installed a DLNA application (DMS+DMC). Check the specification of your smartphone.

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

- "Made for iPod," "Made for iPhone," "Made for iPad" means that an electronic accessory has been designed to connect specifically to iPod, iPhone or iPad respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone or iPad may affect wireless performance.

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- Android is a registered trademark of Google Inc..

- For part of the software that is included in this product, copyright of Ubiquitous Corp. exists.
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- "Made for iPod,""Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
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Specifications

Main unit (RD-UDNF7, RD-UDF5)

General

Power source	AC 220 V - 240 V, - 50 Hz (RD-UDNF7) / AC 230 V, - 50 Hz (RD-UDF5)
Power consumption	Power on: 40 W
	Power standby: 0.4 W (*)
Dimensions	Width: 215 mm
	Height: 96 mm
	136 mm (with Wi-Fi aerial upright) (RD-UDNF7)
	Depth: 335 mm
Weight	2.8 kg (RD-UDNF7)
	2.7 kg (RD-UDF5)

(*) This power consumption value is obtained when NETWORK STANDBY is cancelled in the power standby mode. Refer to p. 10 to cancel NETWORK STANDBY.

Amplifier

Output power	RMS: 100 W (50 W +50 W) (10% T.H.D.)
	RMS: 66 W (33 W + 33 W) (1% T.H.D.)
Output terminals	Speakers: 4 ohms, 20 Hz - 20 kHz
	Subwoofer output (audio signal): 200mV/10k ohms at 70 Hz.
	Video output: 1Vp-p
	Phones: 16ohms (recommended: 32 ohms)
Input terminals	Audio In (Audio signal): 500 mV/47 k ohms
	AUX (Analogue input): 500 mV/47 k ohms

CD player

Type	Music CD, CD-R/RW
Signal readout	Non-contact, 3-beam semiconductor laser pickup
D/A converter	Multi bit D/A converter
Support file	CD-DA
	MPEG 1 Layer 3(MP3)
	WMA (Non DRM)
Bitrate support	MP3 (32 - 320 kbps)
	WMA (64 - 160 kbps)
Other	Maximum numbers of MP3/WMA files (including the folder numbers): 999
	Maximum total number of folders is 255 INCLUSIVE of root directory.
	Maximum number of folder layers: 6
	The ID3TAG information supported are TITLE, ARTIST and ALBUM only.
	Supports ID3TAG version 1 and version 2.

iPod/iPhone/iPad

iPod/iPhone dock terminal	Rated voltage/current: DC 5V ⎓ 1A
	Connection: Digital
USB terminal for iPod/ iPhone/iPad	Rated voltage/current: DC 5V ⎓ 2.1A

USB (MP3 / WMA)

USB host interface	Complies with USB 1.1 (Full Speed)/2.0 Mass Storage Class.
	Support Bulk only and CBI protocol.
Support file	MPEG 1 Layer 3(MP3)
	WMA (Non DRM)
Bitrate support	MP3 (32 - 320 kbps)
	WMA (64 - 160 kbps)
Other	Maximum total number of MP3/WMA files is 65025.
	Maximum total number of folders is 999 INCLUSIVE of root directory.
	Maximum number of folder layers: 6
	The ID3TAG information supported are TITLE, ARTIST and ALBUM only.
	Supports ID3TAG version 1 and version 2.
File system support	Support USB devices with Microsoft Windows/DOS/FAT 12/FAT 16 /FAT 32.
	2 kbyte block length per each sector.

Tuner

Frequency range	FM: 87.50 - 108.00 MHz
Preset	40

Wi-Fi (RD-UDNF7 only)

Wireless LAN standard	IEEE 802.11b/g
Frequency range	2.4 GHz range

Speaker (LS-UDNF7-M, LS-UDNF7-B)

Type	2 way Bass-Reflex type
	2.5 cm Tweeter
	12 cm Woofer
Power handling capacity	100 W
Impedance	4 ohms
Dimensions	Width: 148 mm
	Height: 262 mm
	Depth: 195 mm
Weight	2.5 kg/each

Specifications and appearance of this unit are subject to change without prior notice for improvement.

KENWOOD

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model _____

Serial Number