

Specifications

Built-in flash memory

: 2 GB*

Headphone output

: 3.5 mm stereo mini jack

: 6.0 + 6.0 mW/ 16 Ω

Line output

: 3.5 mm stereo mini jack

: 700 + 700 mV/ 10 kΩ

USB jack

: USB 2.0/ USB 1.1

Display

: 1.5 inch monochrome LCD

Main unit dimensions (W x H x D)

: 52.7 mm x 100.0 mm x 18.0 mm

(2-1/16 x 3-15/16 x 11/16 inch)

Weight (Net)

: Approx. 95 g

(Approx. 0.21 lbs)

Operational Temperature Range

: 5 °C – +35 °C (without condensation)

Battery type

: Built-in Li-ion rechargeable battery

AC adaptor (AC-050150A)

Power supply

: AC 100-240 V

Rated input capacity

: 0.2 A 13 W

Rated output

: DC 5 V 1.5 A

Max. recording tracks *1

: Approx. 450 tracks

Battery operation time *2

Continuous play time (Internal memory)

WAV (44.1 kHz): Approx. 19 hours

MP3 (128 kbps): Approx. 19 hours

WMA (128 kbps): Approx. 19 hours

Recording time (Built-in microphones & internal memory)

WAV (44.1 kHz): Approx. 12.5 hours

WMA (128 kbps): Approx. 12.5 hours

Recording format

: WAV (44.1/ 48 kHz: 16 bit: Monoaural/ Stereo)

: WMA (44.1 kHz: 64/ 96/ 128 kbps: Stereo)

: WMA (44.1 kHz: 32 kbps: Monoaural)

Maximum recording time (without other types of file)

	WAV		WMA	
Recording format	48 kHz	44.1 kHz	128 kbps	96 kbps
Internal memory	2h40m	2h54m	32h	42h
SD card	8c	10h40m	11h36m	128h
CEC	4c	5h20m	5h46m	64h
DL	2c	2h40m	2h54m	32h
DL	1c	1h20m	1h27m	16h
			21h	32h

(Unit: h = hour, m = minute)

* The figure shown are standard values of stereo recording.

* During continuous recording, the file is divided every 2 hours.

Playback format

MP3

Sampling rate: 22.05/ 24/ 32/ 44.1/

48 kHz

Bit rate: 32 - 320 kbps

Variable bit rate: 32 - 320 kbps

ID3 tag: ver. 2.2/ 2.3/ 2.4

WMA (DRM compatible)

Sampling rate: 32/ 44.1/ 48 kHz

Bit rate: 32 - 320 kbps

Variable bit rate: 32 - 355 kbps

(Not supported by Professional, Lossless, or Voice.)

WAV (Linear PCM)

Sampling rate: 22.05/ 24/ 32/ 44.1/

48 kHz

Bit rate: 8 bit/ 16bit

Channel: Stereo/Monoaural

SD card *5

Compatible SD card

: SD card, SDHC card, miniSD™ card,

miniSDHC™ card, microSD™ card

(Data recorded in the SD audio format cannot be played back.)

PC system configuration requirements **

OS

: Microsoft® Windows® Vista/XP (Not supported by 64 bit version OS.)

USB connector

: Compliant to USB 1.1/2.0 standard

- Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

*1 The actual available space may be smaller than specified due to the presence of the system file area.

*2 The continuous play time value is the standard value when the provided headphones are used, Supreme is "Off" and the sound mode is "NORMAL". Note that it is not the guaranteed value. The actual time may be shortened depending on the ambient temperature and other operating conditions.

The battery operation time may be shortened with certain SD cards. *3 Assuming that each tracks is in the 128 kbps MP3/WMA format with playback time of about 4 min.

*4 All of the above specified PC environment does not guarantee full operation of this unit. Use a PC in which either OS mentioned above is preinstalled. Operation is not guaranteed on a PC running an upgraded OS or a PC assembled by yourself.

*5 This unit is capable of recording/playback of SD/SDHC memory cards complying with the SD or SDHC standard.

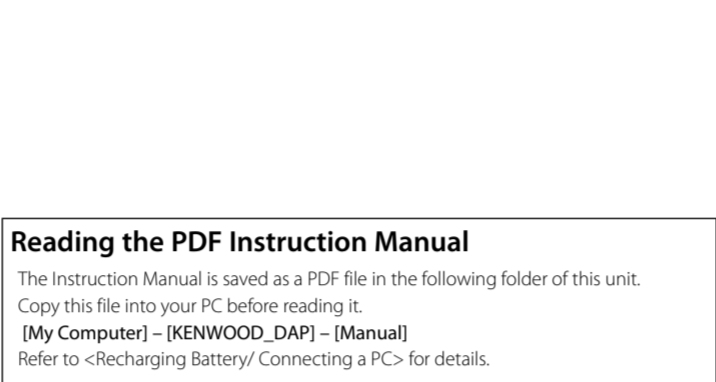
KENWOOD

DIGITAL AUDIO RECORDER

MGR-A7

QUICK START MANUAL

Kenwood Corporation



Reading the PDF Instruction Manual

The Instruction Manual is saved as a PDF file in the following folder of this unit. Copy this file into your PC before reading it.

[My Computer] – [KENWOOD_DAP] – [Manual]

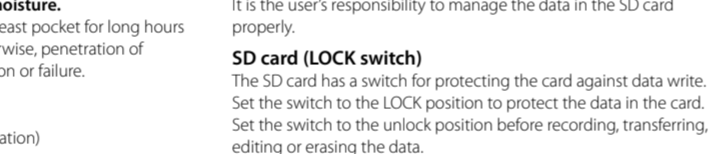
Refer to <Recharging Battery/ Connecting a PC> for details.



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

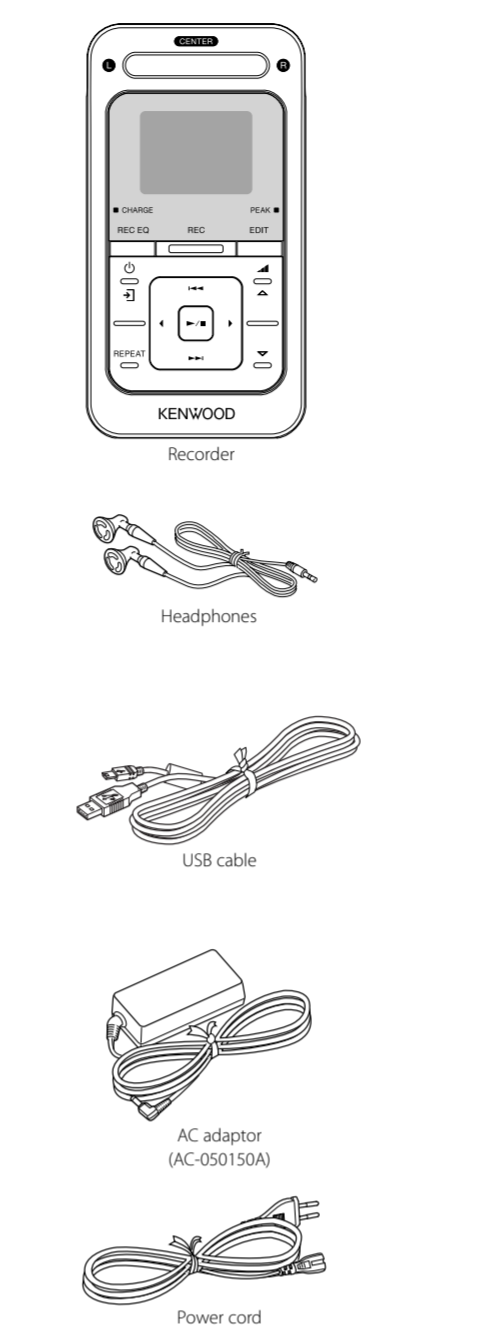
Manufacturer:
Kenwood Corporation
2967-3 Ishikawa-machi, Hachioji-shi, Tokyo, 192-8525 Japan

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

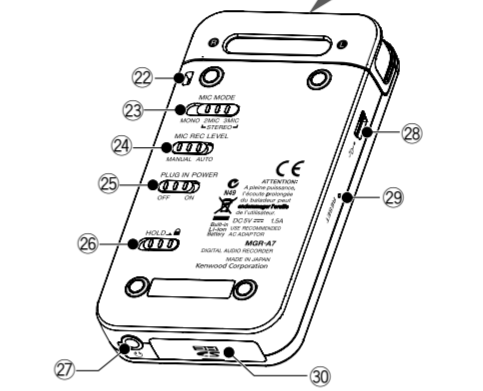
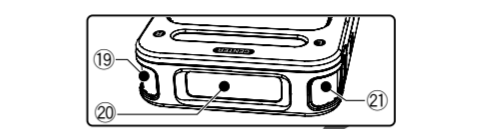
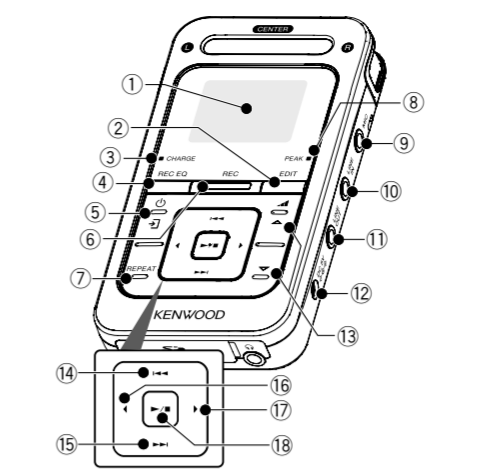


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Unpacking



Names and functions of parts



① **Display**

② **EDIT button**

- Press during recording to divide the recorded file at the position where the button is pressed.

③ **CHARGE indicator**

④ **REC EQ button**

- Press to set the equaliser effect to be applied to the recording of the built-in or external microphone.

⑤ **Power/Menu button**

- Press and hold to switch the power ON/OFF.
- Press shortly to open the pop-up menu.
- Press when the backlight is off to turn it on.

⑥ **REC button**

- Press to start or let pause the recording of music or voice.
- Status indicated by the REC indicator

Steady lighting	Record mode
Blink	Record-pause mode
Extinguished	Stop mode

⑦ **REPEAT button**

- Press to select the repeat mode.
- During playback, press and hold for more than 1 second to set the A-B Repeat points.

⑧ **PEAK indicator**

⑨ **MIC input jack**

⑩ **LINE-IN jack**

⑪ **LINE-OUT jack**

⑫ **DC jack**

⑬ **VOLUME button**

- Press to increase (▲) or decrease (▼) the volume. Pressing and holding a button segment varies the volume gradually.

⑭ **Up button**

- Press to move the cursor upward.
- Press during playback to skip to the beginning of the current track. Pressing the button at the beginning of a track skips to the beginning of the previous track.
- Press and hold to fast reverse the music.
- Press during playback to increase the recording level (provided that the MANUAL recording level adjustment is selected).

⑮ **Down button**

- Press to move the cursor downward.
- Press during playback to skip to the beginning of the next track.
- Press and hold to fast forward the music.
- Press during playback to decrease the recording level (provided that the MANUAL recording level adjustment is selected).

⑯ **Left button**

- Press to return to the previous (left) display. This can be used for example to return from the playback display to the track list.
- Press and hold to return to the home screen.

⑰ **Right button**

- Press to enter an item and advance to the next (right) item.

⑱ **Play/Stop button**

- Press to play a track or let it stop.
- Press while the menu is displayed to enter a selected item.
- Press during recording to stop it.

⑲ **Microphone**

⑳ **Center microphone**

㉑ **Left microphone**

㉒ **Strap eyelet**

- Pass the strap through this hole.
- Do not pass a metallic hook or link (a key holder, etc.) through the strap eyelet. Otherwise, this unit may be damaged.

㉓ **MIC MODE switch**

- When the built-in microphones are used, set the microphone mode to Monoaural, 2-Microphone or 3-Microphone.
- When an external microphone is used, set the microphone mode to Monoaural or Stereo.

㉔ **MIC REC LEVEL switch**

- When the built-in microphones or an external microphone is used, set the recording level adjustment method to either MANUAL or AUTO.

㉕ **PLUG-IN POWER switch**

- Set ON when using an external microphone with the plug-in power type.

㉖ **HOLD switch**

- Press to defeat all other buttons. This helps prevent erroneous operation of this unit when it is carried in a bag, etc.

㉗ **Phones jack**

- Connect the provided stereo headphones.

㉘ **USB jack**

- Connect to a PC using the provided USB cable to transfer music files or recharge the battery.

㉙ **Reset button**

- In case of irregularity, first consult <Troubleshooting> (the PDF manual). If an optimum remedy is not found, try pressing the reset button with the tip of a clip.



㉚ **SD card slot cover**

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 _____

Safety precautions

IMPORTANT SAFETY INSTRUCTIONS

⚠ Caution:

Read this page carefully to ensure safe operation.

Read Instructions – All the safety and operating instructions should be read before the product is operated.

Retain Instructions – The safety and operating instructions should be retained for future reference.

Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.

Follow Instructions – All operating and use instructions should be followed.

WARNING :

- Do not use headphones during riding/driving a vehicle or walking.**

Otherwise, a traffic accident may result. Never use headphones when you ride a bicycle or driving an automobile or motorbike. If this unit is used during walking, the ambient sounds will be cut and you may have difficulties in hearing various warning sounds.

- Do not operate this unit during riding or driving a vehicle.** Do not operate this unit when you drive or ride an automobile, motorcycle or bicycle. Otherwise, a traffic accident may result. Be sure to stop the vehicle in a safe place before operating this unit.

- Do not stare at the display screen during riding or driving a vehicle.**

- Otherwise, a traffic accident may result.
- Always use the designated AC adaptor.** Otherwise, a fire or electric shock may result.
- Always plug the power plug of the AC adaptor into an outlet supplying the specified voltage.** Otherwise, a fire or electric shock may result.

Precautions :

- Do not insert or drop a metallic object or an easily flammable object inside this unit through an opening. Otherwise, a fire hazard or battery leak may result.
- When connecting ancillary equipment to this unit, read the instruction for the equipment, switch this unit off and connect the equipment as instructed. Also be sure to use the specified cord for the connection. Inappropriate connection, use of a non-specified cord or extension of the cord may cause heat generation and a burn or other injuries.

Do not use or place the product in the following locations:

- A place with high humidity, such as in a bathroom or shower room. Also do not use this unit in a place subject to water splashes. Otherwise, a fire hazard or battery leak may result.
- Do not approach this unit to heating equipment (a stove, iron, etc.). Otherwise, a fire hazard or battery leak may result.
- Do not place this unit in a place subject to soot or vapor, for example in a kitchen or near an air humidifier, or in a place subject to excessive humidity or dust. Otherwise, a fire hazard or battery leak may result.
- Do not leave this unit in a place where the temperature may rise abnormally high, for example in a closed automobile or under direct sunlight. Otherwise, this unit or its parts may deteriorate or a fire hazard or battery leak may result.

Notes on AC adapter

- Do not plug or unplug the power plug with a wet hand. Otherwise, an electric shock may result.
- In case a thunder begins to rumble, do not touch the AC adapter or the power plug. Otherwise, an electric shock may result.
- In case a thunder begins to rumble when you are using this unit outdoors, immediately stop using it. Otherwise, an electric shock may result.
- Clean the power plug and AC adaptor plug periodically. If dirt is attached on these plugs, deterioration of insulation due to moisture may result in a fire or electric shock. To clean the power plug, unplug it from the power outlet and wipe dirty with a dry cloth.
- Do not damage the power cord by scratching, modifying, bending forcibly, twisting, stretching, heating or fixing it with a staple or nail. Also do not place a heavy object on the power cord or lay it below this unit. If you cover the power cord with a carpet, etc., you run the risk of placing a heavy object on it. Damage to the cord may result in a fire or electric shock. Using the damaged power cord may result in a fire or electric shock.

- In case of an abnormality with this unit, unplug the power plug. In case of water or a foreign object penetrates inside this unit, or it produces smoke, abnormal colour or noise, immediately switch off this unit and unplug the power cord from the power outlet. Continuing the use of the equipment may result in a fire or electric shock. After the smoke, abnormal odour or noise disappears, consult your dealer or a Kenwood service agent for servicing.
- If you drop the AC adapter or this unit, unplug the power cord. If equipment is dropped or the cover or case is damaged, switch off this unit, unplug the AC adapter from the power outlet. Continuing the use of the equipment may result in a fire or electric shock.
- Do not open the case of or modify the AC adapter or this unit. These incorporate high voltage parts inside and opening or modifying them may result in a fire or electric shock.

Notes on using through headphones:

- Do not start listening with too high a volume. Otherwise, sudden output of a high-volume sound may cause hearing failure, etc.
- Do not listen to the audio with an extremely high volume for long hours. Otherwise, your hearing ability may be damaged.
- Do not use headphones if an abnormality is felt on the skin. Otherwise, skin inflammations may result. Should any abnormality be felt on the skin or ears during use of headphones, immediately stop using them and see a doctor.

- A person with an ear disease is recommended to use headphones. Otherwise, the disease may worsen. Should any abnormality be felt on the skin or ears during use of headphones, immediately stop using them and see a doctor.
- Attach and detach headphones around the ears gently and slowly. Violent attaching or detaching may injure the ear.

Handling

- Do not apply an excessive force to the display part. Otherwise, it may be damaged.
- Avoid storing this unit in a bag together with a hard object. Otherwise, this unit may be damaged when the bag is pushed.
- Do not expose this unit to an insecticide or other volatile substance or bring this unit in extended contact with a rubber or vinyl material. Otherwise, discoloration or peeling of the surface finish may result.
- Do not put this unit in a pocket of trousers. Otherwise, it may be damaged due to a strong impact when you sit down, etc.

- Protect this unit against sweat and moisture.** Do not use this unit by putting it in a breast pocket for long hours in the summer or during exercise. Otherwise, penetration of moisture or sweat may cause malfunction or failure.

Operating conditions

Temperature: 5 to 35°C. (without condensation)

Maintenance of the unit

- When the front panel or case becomes dirty, wipe with a soft, dry cloth.
- Do not use thinner, benzine, alcohol, etc. for these agents may cause discoloration.

Note on the built-in battery

- For the replacement of the built-in battery, contact your dealer.
- The battery built into this unit discharges spontaneously even when this unit is not used. This means that the built-in battery may be exhausted completely when this unit is left unused for a long period. If this happens, recharge the battery before using this unit.

- The battery recharging time is variable depending on the condition of the battery and ambient temperature.
- The available playback time reduces when this unit is used under low temperatures.
- The built-in battery can be recharged for about 500 times. (This is a reference value and is not guaranteed.)
- The built-in battery is a consumable part, and the available playback time reduces gradually after repeated use. If the available playback time becomes very short even after the battery has been recharged fully, the battery may be degraded; replace it with new one.

- Kenwood will not assume any liabilities for the alteration or loss of data caused due to complete discharging of the built-in battery.
- The built-in battery is a lithium ion battery. It is free from the memory effect of Ni-Cd and nickel-hydrogen batteries, with which the capacity decreases if the battery is charged or discharged incompletely for several times. The built-in battery therefore accepts additional charging before it has exhausted completely.

Storage and maintenance of SD card

Before storage

- Be sure to put the SD card in the case before storing it.
- Do not leave the SD card in a place with extremely high temperature (under direct sunlight, etc.) or extremely high humidity.

When the SD card gets dirty

- Wipe lightly with a soft cloth, etc.
- Do not use lacquer thinner, benzine or alcohol.

Other cautions

- Do not open or modify the SD card.
- Do not peel off the label from the SD card.
- Do not attach a label or sticker on the SD card.
- Do not touch the metallic terminals on the backside with a finger or metallic object.

Note on disposal/transfer of SD card

- The "Format" and "Delete" functions of this unit or a PC simply change the file management information and do not erase the data in the SD card completely. Before disposing of or transferring the SD card, it is recommended to destroy it physically or erase the internal data completely using commercially available PC data erasing software.

It is the user's responsibility to manage the data in the SD card properly.

SD card (LOCK switch)

The SD card has a switch for protecting the card against data write. Set the switch to the LOCK position to protect the data in the card. Set the switch to the unlock position before recording, transferring, editing or erasing the data.

Connecting a PC/ Recharging Battery

Recharging from a PC connected with USB connection

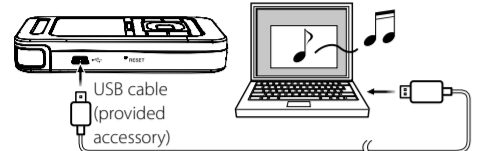
Using the provided USB cable, connect this unit to a PC. This makes it possible to transfer music from the PC to this unit and to recharge its battery.

Recharging is complete when the CHARGE indicator turns off.

Recharging completes in about 3.5 hours.

When the USB cable is connected, this unit enter the data transfer mode and does not accept user operations on it.

For how to disconnect the PC from this unit, see <Disconnecting this unit from the PC> below.



- MEMO**
- Start up the PC before connecting this unit.
 - This unit is switched ON automatically at the moment it is connected to the PC.
 - When the USB connection, always use a supplied USB cable.
 - This unit should be connected directly to the USB port of the PC. We cannot guarantee the operation if this unit is connected via a USB hub.

Reading the PDF Instruction Manual

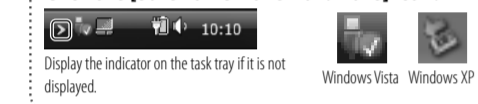
The instruction Manual is saved as a PDF file in the following folder of this unit. Copy this file into your PC before reading it.

[My Computer] – [KENWOOD_DAP] – [Manual]

After copying, you may delete the PDF file to increase the space for transferring more files. If you delete the PDF file by mistake, you can transfer it from the Kenwood website.

Disconnecting this unit from the PC

1 Click the [Safe To Remove Hardware] icon.



Selecting music for playback

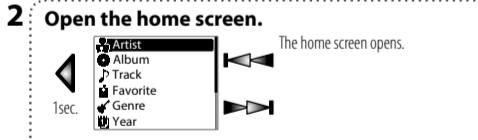
Select and play the desired track.

Artist	Select Artist name → Album title → Track title
Album	Select Album title → Track title.
Track	Select Track title directly.
Favorite	Select one of the tracks registered as favorite tracks.
Genre	Select Genre → Artist name → Album title → Track title
Year	Select Year of release → Track title.
Folder	Select Folder and then follow the hierarchy to select the music file for the desired Track.
Recorded	Select music in one of the recorded files.

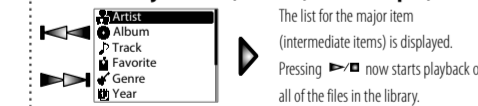
When a major item is selected, the list of intermediate items located below it is displayed.

Press the Play/Stop button when the item to be played (Track or item name) is displayed starts its playback.

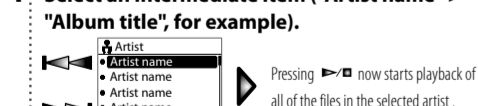
1 Connect headphones and switch this unit ON.



2 Open the home screen.



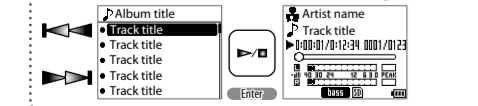
3 Select a major item ("Artist", for example).



4 Select an intermediate item ("Artist name" > "Album title", for example).



5 Select a track ("Track title", for example).



- MEMO**
- A track that does not contain tag information is classified as "Unknown".
 - Press the Left button to return to the previous display page.

2 Click [Safely remove USB Mass Storage Device].



When the message showing that this unit can be disconnected safely, disconnect it from the PC.

Capturing Music in PC/ Transferring Music from PC

To play music files as tracks of this Player, first rip music files in the PC and then transfer them from the PC to this Player.

This unit can play the following 3 types of music files.

- MP3 (*.mp3) : MPEG-1 Audio Layer-3
- WMA (*.wma) : Windows Media Audio
- WAV (*.wav) : WAV file (Linear PCM)

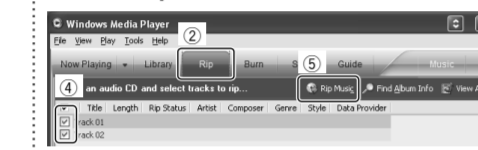
For detailed specifications, see <Specifications>.

Using Windows Media Player 11/10/9

A music CD can be ripped into the PC using the Windows Media Player 11/10/9.

(The following steps describes the operation with the Windows Media Player 10.)

- Launch the Windows Media Player.
- Click the [Rip] button on the top.
- Place a music CD in the CD-ROM drive of the PC.
- Check the checkboxes of the CD tracks to be ripped.
- Click the [Rip Music] button.



For details, refer to the Instruction Manual in the PDF file.

6 Click the [Sync] button on the top.

7 Select the the removable disk ([KENWOOD_DAP] (internal memory), [KENWOOD_SD] (SD card), or [Digital Player]) corresponding to this Player.

8 Add the music files to be transferred in the Sync List.

9 Click the [Start Sync] button.



For details, refer to the Instruction Manual in the PDF file.

Data transfer by drag & drop

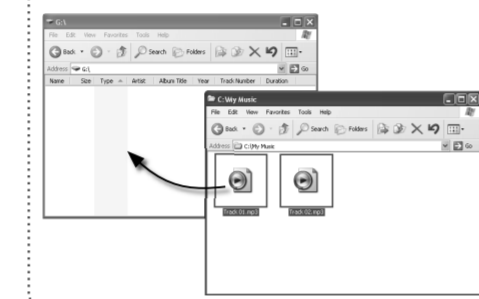
Open the Windows Explorer and drag & drop the desired file from the PC's hard disk drive to this Player (expressed as [KENWOOD_DAP] (internal memory) or [KENWOOD_SD] (SD card) on Windows). Copy & paste can also be used for data transfer.

1 Open the removable disk corresponding to this Player.

Click [Start] – [My Computer] – [KENWOOD_DAP] (internal memory) or [KENWOOD_SD] (SD card).

2 Open the folder storing the desired music file.

3 Drag & drop the music file into the removable disk.



- MEMO**
- If copy protection is set, when capturing tracks of a music CD into the PC using the Windows Media Player, transferring the music file to this unit is limited only to the Windows Media Player. The music files which are transferred using drag & drop or copy & paste cannot be played.
 - Before transferring a music file, view it with the Windows Media Player to confirm that the genre, artist name, album title and track title are set correctly.

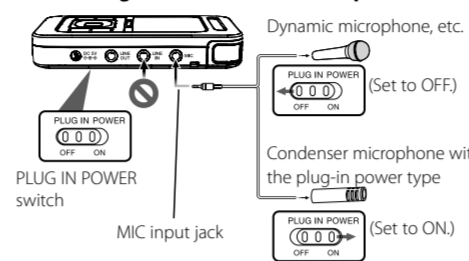
Connecting a microphone or audio component

In addition to the built-in microphones, an external microphone or audio component can be connected to this unit for recording the music and voice input from it.

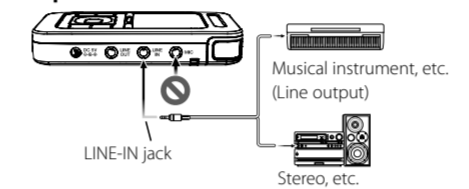
① Recording from the built-in microphones



② Recording from an external microphone



③ Recording from an external audio component or musical instrument connected to the line input



- MEMO**
- Prepare the required adapters, such as a standard stereo plug cable or RCA pin plug – stereo miniplug adapter (commercially available in audio stores), according to the output terminals of the external microphone or audio component.
 - When connecting a condenser microphone with built-in battery, set the PLUG IN POWER switch to OFF.

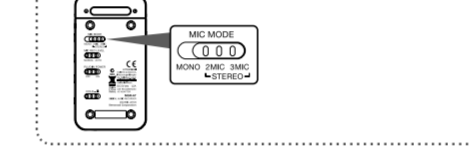
Selecting the recording mode/ Setting the microphone mode

Recording is possible from the built-in microphones, an external microphone or an external device. The microphone mode should be set when recording from microphones.

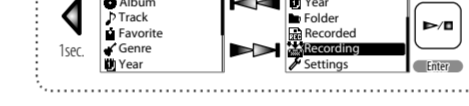
	Stereo recording mode using the L/R (omnidirectional) and Center (unidirectional) built-in microphones. This mode can record audio with high directivity in the front direction while restricting the ambient noise.
	Stereo recording mode using the L/R (omnidirectional) built-in microphones that are installed at an angle of 120°. This mode can record stereo audio with a rich feeling of expansion.
	Monoaural recording mode using only the Center (unidirectional) built-in microphone. This mode can record audio with high directivity in the front direction.
	Stereo recording using an external stereo microphone.
	Monoaural recording using an external monoaural microphone.
	Recording of the line input.

The recording source is switched automatically when a cable is connected to the line input or microphone input terminal. During recording from the built-in microphones or an external microphone, the displayed icon changes according to the microphone mode set on the rear panel of this unit.

1 Set the microphone mode. (Built-in microphones or external microphone only)

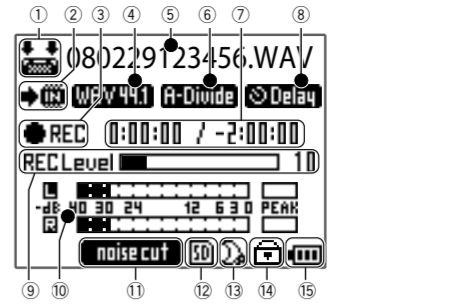


2 Select "Recording" from the home screen.



Display during recording

The display shows various information during recording.

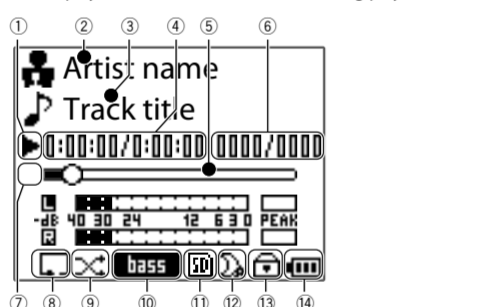


- Recording Mode
- Recording destination
- Mode
 - Recording
 - Pause
 - None : Stop
- Recording format
- Recorded file name
- Sync recording
- Elapsed recording time/ Remaining recording time
- Delay recording
- Recording level setting
- Level meter
- Recording equalizer
- Presence of SD card
- Sleep timer/ Alarm timer
 - Alarm timer on
 - Sleep timer on
 - None: Timer off
- HOLD switch
 - HOLD
 - None:HOLD canceled
- Remaining battery power time

MEMO For details, refer to the Instruction Manual in the PDF file.

Display during playback

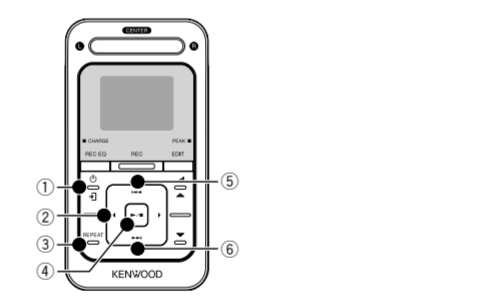
The display shows various information during playback.



- Mode
 - Play
 - None : Stop
- Artist name
 - Album title
- Track title
- Elapsed play time/ Total play time
- Song time progress bar
- Track No./Number of selected tracks
- Play speed
- Repeat mode
- Repeat mode
- Repeat mode
- SPRM/ Sound mode
 - Presence of SD card
 - Sleep timer/ Alarm timer
 - Alarm timer on
 - Sleep timer on
 - None: Timer off
 - HOLD switch
 - HOLD
 - None: HOLD canceled

MEMO For details, refer to the Instruction Manual in the PDF file.

Operations available during playback



- Power/Menu button
 - Displays the pop-up menu.
 - Press when the backlight is off to turn it on.
- Left button
 - Displays the previous list.
 - Pressing and holding for more than 1 sec.: Open the home screen.
- REPEAT button
 - Press briefly: Each press switches the repeat mode.
 - Pressing and holding for more than 1 sec.: Sets an A-B repeat point.
- Play/Stop button
 - Play mode: Lets playback stop temporarily.
 - Stop mode: Resumes playback.
 - Pop-up menu: Press while the menu is displayed to enter a selected item.
- Up button
 - Play mode: Each press skips to the beginning of the current track or of the previous track (Skip-down). Press and hold to fast reverse the track.
 - Stop mode: Each press skips to the beginning of the current track or of the previous track (Skip-down). Press and hold to skip to the previous tracks one after another.
 - Pop-up menu: Press to move the cursor upward.
 - Down button
 - Play mode: Each press plays the next track (Skip-up). Press and hold to fast forward the music.
 - Stop mode: Each press skips to the beginning of the next track (Skip-up). Press and hold to skip to the subsequent tracks one after another.
 - Pop-up menu: Press to move the cursor downward.

Resume function

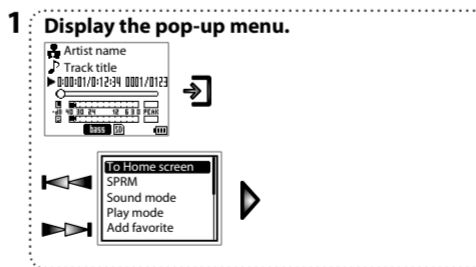
This unit holds the conditions before the power is switched off. When this unit is switched on the next time, it resumes playback from the position where it was stopped.

- MEMO**
- This unit switches OFF automatically after it has been left in stop mode for a certain period of time (Auto Power-OFF). The time until Auto Power-OFF occurs can be changed.
 - The resume function is disabled in the following cases. The home screen is displayed when this unit is switched on.
 - When the SD card is inserted.
 - When the USB cable is connected.

Pop-up menu during playback

Set up functions related to playback.	
To Home screen	Return to the home screen.
SPRM	Set the Supreme function.
Sound mode	Adjust the sound quality.
Play mode	Set the play mode such as random play.
Add favorite/ Delete favorite	Add as Favorite or delete from Favorite.
Item skip+	Skip through the selected item.
Item skip-	Skip through the selected item.
Timer setting	Set the timer.
Play speed	Set the playback speed.
FF/FB Speed	Set the speed for fast-forward/fast-back.
Properties	Display the file information.

For details, refer to the Instruction Manual in the PDF file.



Adjusting the recording level

When recording voice of a speech from microphones, the recording level can be adjusted so that the volume level is uniform all over the recording (MIC REC LEVEL function). The recording level can be adjusted either automatically according to the maximum input level (ALS function) or manually.

The setting items vary depending on the recording source.

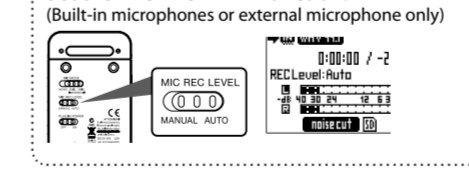
	Built-in microphones	External microphone	Line input
MIC REC LEVEL function	✓	✓	—
Auto Level Setting (ALS) function	✓	✓	✓
Manual recording level adjustment	✓	✓	✓
External microphone gain setting	—	✓	—

MIC REC LEVEL function

When recording a speech with the built-in microphones or an external microphone, this function records the voice so that the volume level is as uniform as possible all over the recording.

	AUTO	MANUAL
This setting records audio at as uniform as possible level and is therefore suitable for recording of a speech, etc.	✓	—
The recording level can be adjusted either using the ALS function or manually.	—	✓

1 Set the MIC REC LEVEL function. (Built-in microphones or external microphone only)

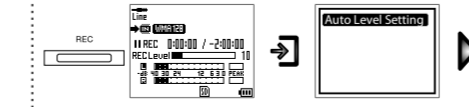


Auto Level Setting (ALS) function

The recording level is set according to the maximum input level.

For instance, to record a music CD with the optimum recording level, play the section with the largest volume and set the ALS function.

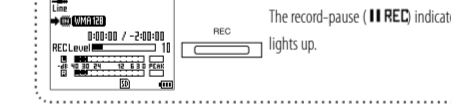
1 Display the pop-up menu during record-pause and select "Auto Level Setting".



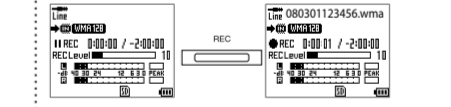
Recording music or voice

The music or voice input from microphones or an audio component can be recorded as described below.

1 Set this unit to record-pause mode.

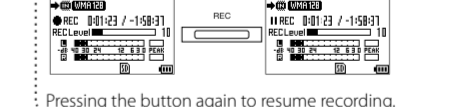


2 Start recording.



The recorded file name is displayed. (file name: Year-Month-Day-Hour-Minute-second)

3 To pause recording:



Pressing the button again to resume recording.

4 To divide a recorded file:



Recording is continued on a new recorded file. The sound may be interrupted at the point the recorded file changes.

5 Stop recording.



- MEMO**
- The maximum recording time available per file is 2 hours. When the maximum recording time is reached, recording is continued on a new recorded file. The sound may be interrupted at the point the recorded file changes.
 - The recorded file is not divided even when recording pauses temporarily.
 - The recorded file is named after the date and time the recording is started.
 - The recorded file can be deleted anytime.
 - To play a recorded file, select it from "Recorded" file list in the home screen.
 - The recorded file can be copied in the PC. The recorded file is stored in either folder below.
 - Internal memory: "Computer" — "KENWOOD_DAP" — "RECORD" folder
 - SD card: "Computer" — "SD card" — "KWD" folder

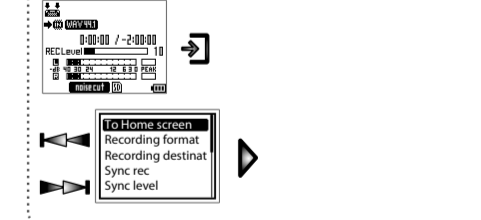
Pop-up menu during recording

Set up functions related to recording.

To Home screen	Return to the home screen.
Recording format	Set the recording format.
Recording destination	Set the destination for the recorded files to be saved.
Sync rec	Set the synchronized recording which the recording starts automatically as music starts.
Sync level	Set the detection level of synchronized recording in microphone mode.
Delay rec	Start recording after the set time has elapsed in microphone mode.
Mic Gain +20dB	Raise the recording level of external microphone level.
Timer setting	Set the timer.
Auto Level Setting	Set the recording level according to the maximum input level.

For details, refer to the Instruction Manual in the PDF file.

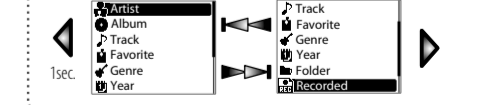
1 Display the pop-up menu.



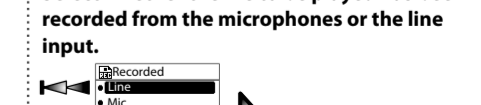
Playing recorded music or voice

The music or voice recorded from microphones or the line input can be played back as described below.

1 Select "Recorded" from the home screen.



2 Select whether the file to be played has been recorded from the microphones or the line input.



3 Select the recorded file.

