KENWOOD

DIGITAL AUDIO RECORDER
MGR-A7

INSTRUCTION MANUAL

Kenwood Corporation

Designed for
Windows
Media™

SD
HC™

© B60-5781-10/01 (X)

Contents

English

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, motorbike 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 adapter.**
  Otherwise, a fire or electric shock may result.
• **Always plug the power plug of the AC adapter 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 adapter 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 odour 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 discommended 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.

Notes on using through car stereo :

- Do not leave the products or batteries in the car, particularly above the dashboard, for this may lead to malfunction or damage due to solar heat.
- If the unit is connected to a car stereo using an audio cord, noise may sometimes interfere.

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℃. (without condensation)

Caution on condensation

Condensation (of dew) may occur inside the unit when there is a great difference in temperature between this unit and the outside. This unit may not function properly if condensation occurs. In this case, leave the unit for a few hours and restart the operation after the condensation has dried up.
Be specially cautious against condensation in the following circumstances:
When this unit is carried from one place to another across a large difference in temperature, when the humidity in the room where this unit is installed increases, etc.

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.

In regard to contact cleaner

Do not use contact cleaners because it could cause a malfunction. Be specially careful not to use contact cleaners containing oil, for they may deform the plastic component.

English

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.

Lock   Unlock

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English
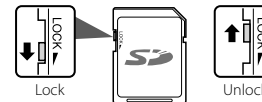
Unpacking
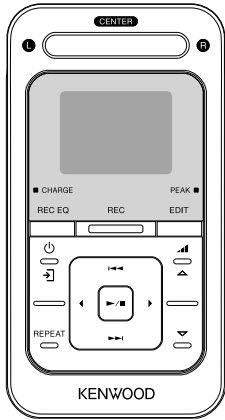
Recorder

Headphones

USB cable

Quick start manual

English

Names and functions of parts

Built-in microphones
Left mic
Right mic
Center mic

Display
Microphone input
Line input
Line output
AC adapter connector
Phones jack

① ② ③ ④ ⑤ ⑥

① EDIT button
- Press during recording to divide the recorded file at the position where the button is pressed.

② REC button
- Press to start or let pause the recording of music or voice.
- Rec indicated by the indicator

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

③ REC EQ button
- Press to set the equaliser effect to be applied to the recording of the built-in or external microphone.
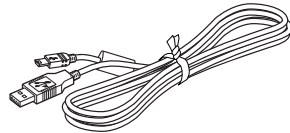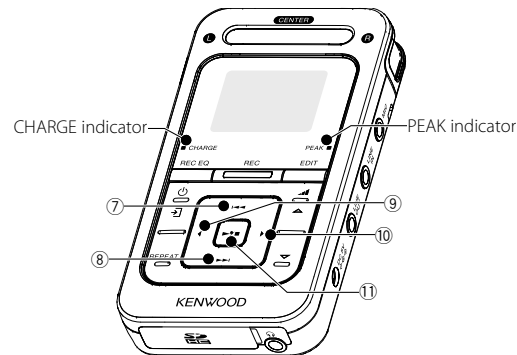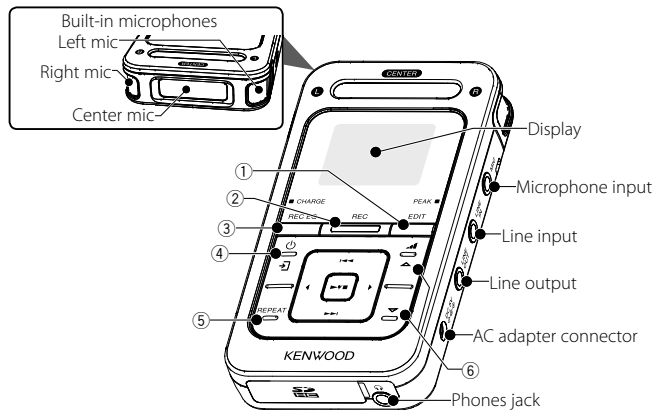
④ ⏻/⤵ Power/Menu button
- Press and hold to switch the power ON/OFF.
- Press shortly to open the pop-up menu. Pressing the button again closes the pop-up menu.
- If pressed when the display backlight is off, the backlight is turned on.

⑤ 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.

⑥ ▪◂VOLUME button
- Press to increase (△) or decrease (▽) the volume. Pressing and holding a button segment varies the volume gradually.

CHARGE indicator
PEAK indicator

⑦ ⑧ ⑨ ⑩ ⑪

⑦ |◂◂ 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).

⑧ ▸▸| 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).

⑨ ◂ 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.
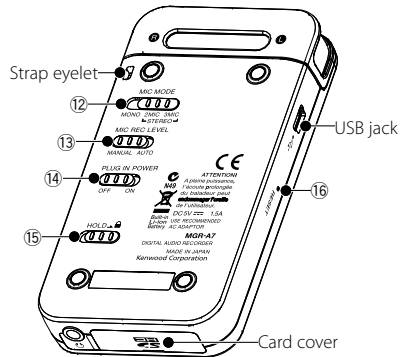- Press and hold to return to the home screen.

⑩ ▸ Right button
- Press to enter an item and advance to the next (right) item.

⑪ ▸/■ 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.

English

Strap eyelet

⑫ MIC MODE
MONO 2MIC 3MIC
STEREO

⑬ MIC REC LEVEL
MANUAL AUTO

⑭ PLUG IN POWER
OFF ON

⑮ HOLD

USB jack

ATTENTION!
A pleine puissance,
l'écoute prolongée
du baladeur peut
endommager l'oreille
de l'utilisateur.
DC 5V 1.5A
USE RECOMMENDED
AC ADAPTOR

MGR-A7
DIGITAL AUDIO RECORDER
MADE IN JAPAN
Kenwood Corporation

⑯

Card cover

⑫ **MIC MODE switch**
- When the built-in microphones are used, set the microphone mode to Monaural, 2-Microphone or 3-Microphone.
- When an external microphone is used, set the microphone mode to Monaural or Stereo.

⑬ **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.

⑭ **PLUG IN POWER switch**
- Set ON when using an external microphone with the plug-in power type.

⑮ **HOLD switch**
- Press to defeat all other buttons. This helps prevent erroneous operation of this unit when it is carried in a bag, etc.

⑯ **Reset button**
- In case of irregularity, first consult <Troubleshooting> (page 49). If an optimum remedy is not found, try pressing the reset button with the tip of a clip.

ATTENTION:
A pleine puissance,
l'écoute prolongée
du baladeur peut
endommager l'oreille
de l'utilisateur.
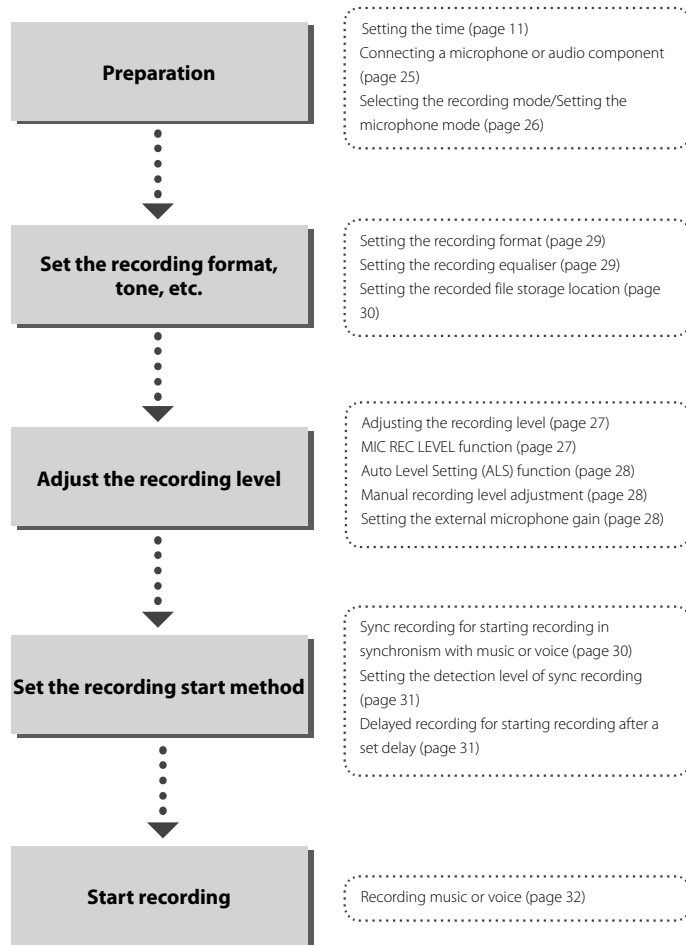DC 5V 1.5A
USE RECOMMENDED
AC ADAPTOR

MEMO • Do not pass a metallic hook or like (a key holder, etc.) through the strap eyelet. Otherwise, this unit may be damaged.
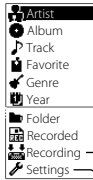
8   English

Flow for music playback

| Preparation | Connecting stereo headphones (page 12)
Canceling the HOLD function (page 12)
Switching Power ON (page 11)
Recharging Battery (page 13)
Connecting a PC (page 13) |

↓

| Preparation of music files | Capturing Music in PC (page 14) |

↓

| Transfer music files from the PC to this unit | Transferring Music from PC (page 16) |

↓

| Playback of music | Selecting music for playback (page 19)
Display during playback (page 20)
Operations available during playback (page 20-24) |

↑

| Volume and tone adjustments | Adjusting the volume (page 34)
Selecting the sound effects (page 34) |

Flow for recording of music or voice

| Preparation | Setting the time (page 11)
Connecting a microphone or audio component (page 25)
Selecting the recording mode/Setting the microphone mode (page 26) |

↓

| Set the recording format, tone, etc. | Setting the recording format (page 29)
Setting the recording equaliser (page 29)
Setting the recorded file storage location (page 30) |

↓

| Adjust the recording level | Adjusting the recording level (page 27)
MIC REC LEVEL function (page 27)
Auto Level Setting (ALS) function (page 28)
Manual recording level adjustment (page 28)
Setting the external microphone gain (page 28) |

↓

| Set the recording start method | Sync recording for starting recording in synchronism with music or voice (page 30)
Setting the detection level of sync recording (page 31)
Delayed recording for starting recording after a set delay (page 31) |

↓

| Start recording | Recording music or voice (page 32) |

English

Screen display items

Home screen

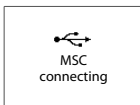Initial screen for use in starting music file selection and other settings.

- Artist
- Album
- Track
- Favorite
- Genre
- Year
- Folder
- Recorded
- Recording
- Settings

Library screen

Screen for use in selecting music for playback (page 19)

- Album title
  - Artist name
  - Artist
  - Artist name
  - Artist name
  - Artist name
  - Artist name
  - Artist name

- Favorite
  - Track title
  - Track title
  - Track title
  - Track title
  - Track title
  - Track title

(page 23)

- Folder name
  - Internal memory
  - Folder
  - Internal memory
  - SD card

(page 36)

- Album title
  - Album
  - Album title
  - Album title
  - Album title
  - Album title
  - Album title

- Album title
  - Artist name
  - Genre name
  - Genre
  - Genre name
  - Genre name
  - Genre name
  - Genre name
  - Genre name

- Track
  - Track title
  - Track title
  - Track title
  - Track title
  - Track title

- Year
  - Year
  - Year
  - Year
  - Year
  - Year
  - Year

- Line
  - Recorded
  - Line
  - Mic

(page 33)

Display during playback

(page 20)

- Artist name
- Track title
- 0:01:00/0:12:34 0001/0123
- bass

Pop-up menu

Screen for use in setting the playback-related functions

- To Home screen
- SPRM
- Sound mode
- Play mode
- Add favorite

- Item skip+
- Item skip-
- Timer setting
- Play speed
- FF/FB Speed
- Properties
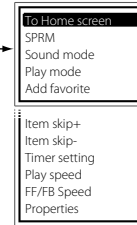
To Home screen	
SPRM	page 34
Sound mode	page 34
Play mode	page 21
Add favorite	page 23
Delete favorite	page 23
Item skip+	page 22
Item skip-	page 22
Timer setting	page 40
Play speed	page 24
FF/FB Speed	page 24
Properties (Music properties information)	

Setting screen

Screen for use in various settings.

- Settings
- Indicator
- Backlight Brightness
- Lighting time
- LCD Contrast
- Auto power off
- Beep
- Language
- Format
- Prioritized Drive
- Clock setting
- Setting reset
- System information

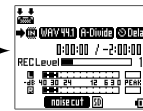|	
Indicator	page 41
Backlight Brightness	page 41
Lighting time	page 41
LCD Contrast	page 41
Auto power off	page 41
Beep	page 41
Language	page 44
Format	page 42
Prioritized Drive	page 43
Clock setting	page 11
Setting reset	page 42
System information	page 41

USB connecting message screen

Message screen indicating that this unit is connected to a PC.

MSC connecting

Display during recording

(page 27)

- WAV441 A-Divide Delay
- 0:01:00 / -2:00:00
- REC Level 10
- noise cut

- WAV441 A-Divide Delay
- II REC 0:01:00 / -2:00:00
- REC Level 10
- noise cut

(During record-pause)

- 080301123456.wav
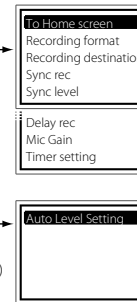- WAV441 A-Divide Delay
- REC 0:01:00 / -2:00:00
- REC Level 10
- noise cut

(During recording)

Pop-up menu

Screen for use in setting the recording-related functions

- To Home screen
- Recording format
- Recording destination
- Sync rec
- Sync level

- Delay rec
- Mic Gain
- Timer setting

- Auto Level Setting

To Home screen			
Recording format	▣	🎙 Line	page 29
Recording destination	▣	🎙 Line	page 30
Sync rec	▣	🎙 Line	page 30
Sync level	▣	🎙 Line	page 31
Delay rec	▣	🎙 Line	page 31
Mic Gain	▣	🎙 Line	page 28
Timer setting	▣	🎙 Line	page 40
Auto Level Setting	▣	🎙 Line	page 28

▣ : Built-in microphones
🎙 : External microphone input
Line : Line input

English

How to read this manual/Turning this unit on/Setting the time

This manual uses illustrations extensively to describe the operating procedures.

Details of the operations are described in the actual operating procedure for <Setting the date and time> below.

MEMO
- When the built-in battery power is low, connect the AC adapter to this unit. (page 13)
- The illustrations of the display and panel shown in this manual are examples selected for facilitating the description of operations. They may differ from the actual displays on this unit.

Switching Power ON/OFF

1 **Switch this unit ON.**
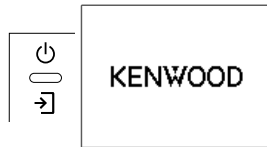
Press and hold the Power/Menu button until the KENWOOD logo is displayed.
This unit enters the mode before the last time it was switched OFF.

2 **Switch this unit OFF.**
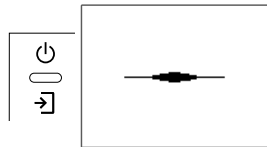
Press and hold the Power/Menu button until the display is turned off.

Setting the date and time

Adjust the date and time of this unit.
The date/time information is required for naming the recorded files. Recording is not available unless the date and time are set.

1 **Select "Settings" from the home screen.**

Artist
Album
Track
Favorite
Genre
Year

Genre
Year
Folder
Recorded
Recording
Settings
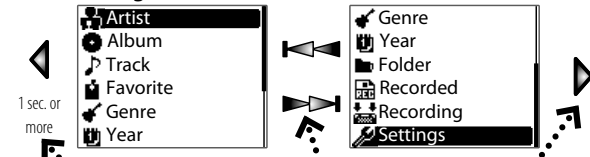
1 sec. or more

Press for 1 sec. or more.
Press and hold the button until the display changes.

Select.
Move the cursor up/down to select the desired item.

Enter.
Press to enter the selection.

2 **Select "Clock setting".**

Settings
Beep
Language
Format
Prioritized Drive
Clock setting

3 **Set Year, Month, Day and Hour.**

Clock setting
08 / 02 / 29
Y   M   D
01 : 23
H   M
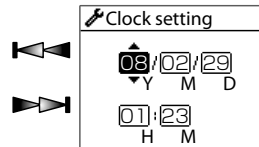
For each of Month, Day and Hour, press ◄◄ / ►►◄ to select the desired figure and press ► to move to the next item.

Year

Clock setting
08 / 02 / 29
Y   M   D
01 : 23
H   M

Month

Clock setting
08 / 02 / 29
Y   M   D
01 : 23
H   M

Day

Clock setting
08 / 02 / 29
Y   M   D
01 : 23
H   M

Hour

4 **Set Minute.**

Clock setting
08 / 02 / 29
Y   M   D
01 : 23
H   M
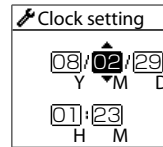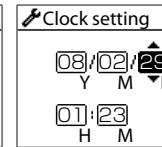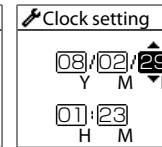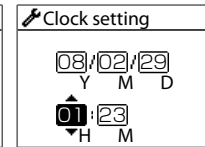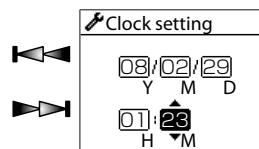
Press ►/■ to start the time count from "00" sec.

Enter

Enter.
Enter the setting.

MEMO
- Pressing ◄ during setting returns to the previous item or screen.

English

Connecting stereo headphones

Connect the provided stereo headphones to this unit.


Entanglement-prevention slider
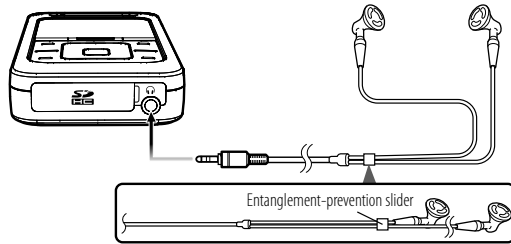
MEMO
- Always hold the headphone bodies when attaching or detaching headphones. Pulling a cord may result in malfunction.
- To prevent the headphone cord from being entangled, slide the entanglement-prevention slider to fix the headphone bodies in position.

HOLD function

The HOLD function defeats all of this unit's buttons and helps prevent erroneous operation when this unit is carried in a bag, etc.
The HOLD function should be canceled before using this unit.

HOLD canceled

HOLD
(Red indication is visible.)
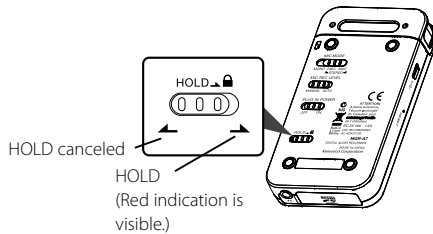
MEMO
- When HOLD is on, is displayed on the screen during playback and recording.

Inserting/removing an SD card

This unit can play music stored in an SD card or recording music in an SD card.
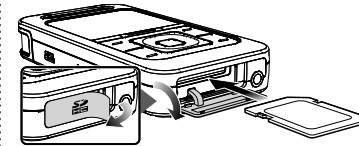
Inserting the SD card

1 **Switch this unit off.**
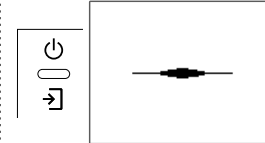
Press and hold the Power/Menu button until the display is turned off.

2 **Insert the SD card.**

Open the card cover.
Hold the SD card with the label side up and the notched section on the right, and insert it into the slot until it clicks.
Close the card cover.

Removing the SD card

1 **Switch this unit off.**

2 **Take out the SD card.**

Open the card cover.
Push the SD card until it clicks and then remove your finger from the card. The card pops up so that you can pull it out with your fingers.
Close the card cover.

MEMO
- When the SD card is inserted, is displayed on the screen during playback and recording.
- A special adapter is required to use a miniSD card, miniSDHC card or microSD card.
- The MultiMedia Card (MMC) cannot be used.

English

Recharging Battery/ Connecting a PC

This unit incorporates a rechargeable battery (hereafter referred to as "the battery"), which can be recharged from the AC adapter or from a PC connected through USB connection.
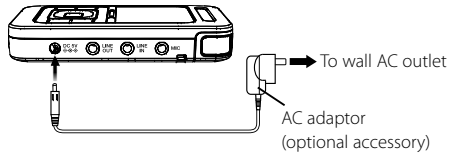
Recharging from the AC adapter
Connect the AC adapter (optinal accessory) to this unit.
Recharging is complete when the CHARGE indicator is extinguished.
Recharging completes in about 3 hours.
This unit can be used in playback and recording even when the AC adapter is connected.

→ To wall AC outlet

AC adaptor
(optional accessory)

⚠ Caution
● Refer to your Kenwood stockist for the optional AC adaptor.
● The power of this equipment will not be completely cut off from the wall outlet when the power switch is turned off. Install the equipment so that the wall outlet is easily accessible and, in case of emergency, immediately unplug the power cord from the wall outlet.

Recharging and battery indication
During recharging, the CHARGE indicator shows the recharging status. During playback and recording, the on-screen icons show the battery condition.

CHARGE indicator

ON	The indicator lights during recharging.
OFF	The indicator is extinguished when recharging completes.

On-screen icons

▮▮▮ → ▮▮ → ▮	Shows the remaining power of the battery.
▯	The battery is nearly exhausted.

MEMO • The on-screen icons are not displayed during recharging.

## Recharging from a PC connected with USB connection
This unit can be connected to a PC with USB connection in order to transfer music with the PC or recharge the battery from the PC.
Recharging is complete when the CHARGE indicator is extinguished.
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.

USB cable
(provided accessory)
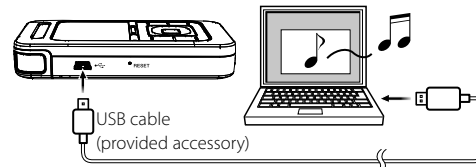
MEMO
• For the PC system requirements, see <Specifications> (page 47).
• Start up the PC before connecting this unit.
• This unit is switched ON automatically at the moment it is connected to the PC.
• When the USB connection, always use a supplied USB cable.
• This unit should be connected directly to the USB port of the PC. We cannot guarantee the operation if this unit is connected via a USB hub.

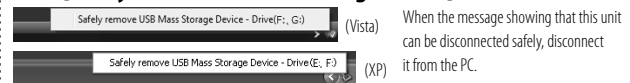## Disconnecting this unit from the PC

1 Click the [Safe To Remove Hardware] icon.

Display the indicator on the task tray if it is not displayed.

Windows Vista

Windows XP

2 Click [Safely remove USB Mass Storage Device].

Safely remove USB Mass Storage Device - Drive(F:, G:) (Vista)

Safely remove USB Mass Storage Device - Drive(E:, F:) (XP)

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

English

Capturing Music in PC

To play music files as tracks of this Player, first rip music files in the PC.

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

• MP3 (*.mp3) : MPEG-1 Audio Layer-3

Sampling frequency	22.05/ 24/ 32/ 44.1/ 48 kHz
Transfer bit rate	32k – 320 kbps
Variable Bit Rate (VBR)	32k – 320 kbps
ID3 tag	Ver. 2.2/ 2.3/ 2.4

• WMA (*.wma) : Windows Media Audio

Sampling frequency	32/ 44.1/ 48 kHz
Transfer bit rate	32k – 320 kbps
Variable Bit Rate (VBR)	32k – 355 kbps

• WAV (*.wav) : WAVE file (Linear PCM)

Sampling frequency	22.05/ 24/ 32/ 44.1/ 48 kHz
Quantization	8 bit/ 16 bit
Channel	Stereo/Monaural

Using Windows Media Player 11/10/9

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

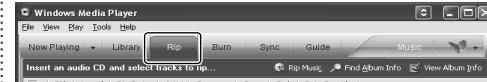(The following steps describes the operation with the Windows Media Player 11/10.)

Using Windows Media Player 11

1 Launch the Windows Media Player.

2 Click the [Rip] button on the top.

**3 Place a music CD in the CD-ROM drive of the PC.**

4 Check the checkboxes of the CD tracks to be ripped.

Checking the checkbox at the top of the list checks or unchecks all the track names listed below it.
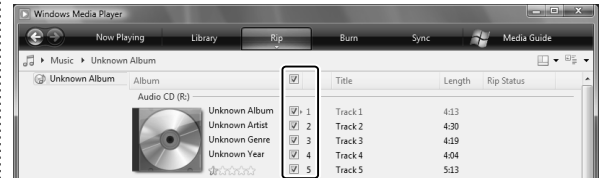
5 Click the [Start Rip] button.

When the [Rip Option] dialog box is displayed:

Select "Do not add copy protection to your music", check "I understand that music… I have copied." and then click [OK].

English

MEMO

• For the operating procedures of software including the Windows Media Player, refer to the manuals and help information for the software.

• 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.

• For selecting a destination folder or a file format, go to [Tools] menu > [Options] > [Rip Music] tab.

Using Windows Media Player 10

1 **Launch the Windows Media Player.**

2 **Click the [Rip] button on the top.**

3 **Place a music CD in the CD-ROM drive of the PC.**

4 **Check the checkboxes of the CD tracks to be ripped.**
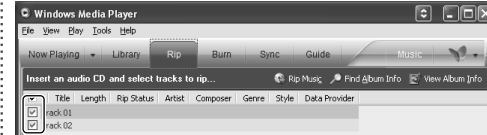
5 **Click the [Rip Music] button.**
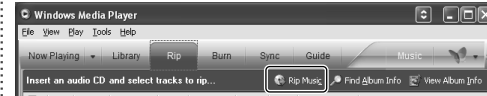
MEMO

• For selecting a destination folder or a file format, go to [Tools] menu > [Options] > [Rip music] tab.

English

Transferring Music from PC

The obtained music files can then be transferred to this unit.

Using Windows Media Player 11/10/9

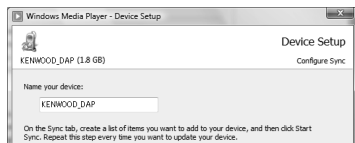(The following steps describes the operation with the Windows Media Player 11/10.)

Using Windows Media Player 11

1 | **Connect this unit to a PC.**

2 | **Launch the Windows Media Player.**

3 | **Set up the device.**
When "KENWOOD_DAP" (internal memory) or "(SD card)"/"KENWOOD_SD" (SD card) device name is displayed, click [Finish]. ("Digital Player" may be displayed.)

When the [Device Setup Manage Existing Files on Device] dialog box is displayed:
Search for the music files to be added to the library.

4 | **Click the [Sync] button on the top.**

5 | **Select "KENWOOD_DAP" (internal memory) or "(SD Card)"/"KENWOOD_SD" (SD Card). ("Digital Player" may be displayed.)**
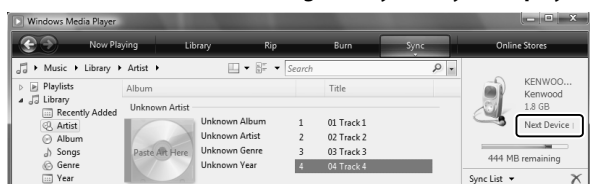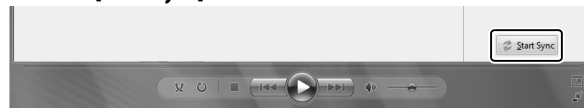

6 | **Add the music files to be transferred in the Sync List.**
Drag & drop the music file selected from the library into the sync list on the right. Alternatively, right-click to open a pop-up menu and select [Add to 'Sync List'] from it.

7 | **Click the [Start Sync] button.**

Using Windows Media Player 10

1 | **Connect this unit to a PC.**

2 | **Launch the Windows Media Player.**

3 | **Click the [Sync] button on the top.**

English

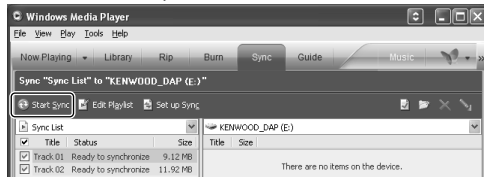**4** Select "KENWOOD_DAP" (internal memory) or "(SD Card)"/ "KENWOOD_SD" (SD Card).

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

6 Click the [Start Sync] button.


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. Copy & paste can also be used for data transfer.

1 Open the removable disk corresponding to this Player.

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

2 Open the folder storing the desired music file.

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

English
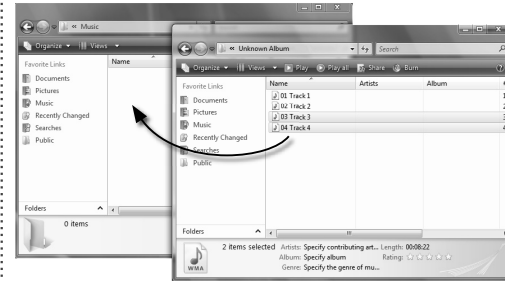
Deleting tracks

The music files transferred from the PC to this unit can be deleted from this unit.

Using Windows Media Player 11/10/9

(The following steps describes the operation with the Windows Media Player 11/10.)

Using Windows Media Player 11

1 **Connect this unit to a PC.**

2 **Launch the Windows Media Player.**

3 **Click the [Sync] button on the top.**

4 **Select "KENWOOD_DAP" (internal memory) or "(SD Card)"/ "KENWOOD_SD" (SD Card). ("Digital Player" may be displayed.)**

5 **Select the music file to be deleted, right-click to open a pop-up menu, and select [Delete] from it.**
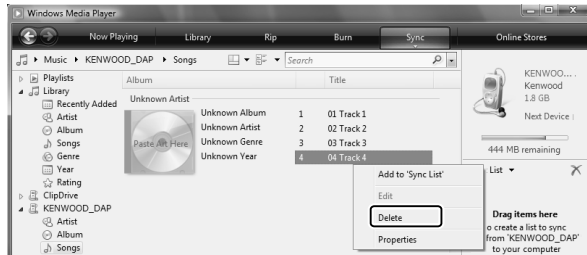
Using Windows Media Player 10

1 **Connect this unit to a PC.**

2 **Launch the Windows Media Player.**

3 **Click the [Sync] button on the top.**

4 **Select "KENWOOD_DAP" (internal memory) or "(SD Card)"/ "KENWOOD_SD" (SD Card).**
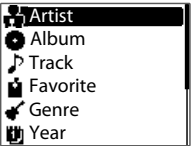
5 **Click the [Delete] icon.**
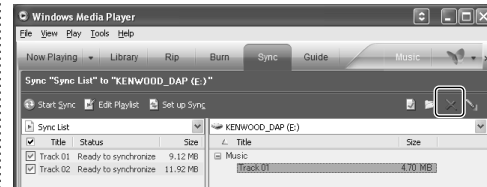
Selecting music for playback
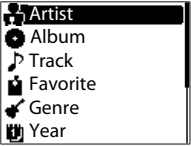
Select and play the desired track.

🎤	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. (page 23)
🎸	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. (page 33)

When a major item is selected, the list of intermediate items located below it is displayed.
When a track is selected from the album title, the tracks are played in order they are recorded in the album. When a track is selected from other item, the tracks are played in order of track titles.

1
Connect headphones and switch this unit ON.
See page 11, 12.

2
Open the home screen.

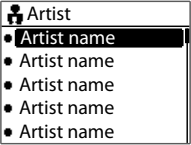Press and hold the Left button until the home screen appears.

1 sec. or more

🎤 Artist
💿 Album
🎵 Track
⭐ Favorite
🎸 Genre
📅 Year

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

🎤 Artist
💿 Album
🎵 Track
⭐ Favorite
🎸 Genre
📅 Year

The list of the major items is displayed.

Pressing ►/□ now starts playback of all of the files in the library.
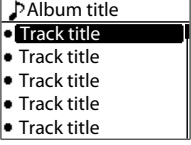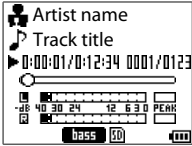
4
Select an intermediate item ("Artist name", for example).

🎤 Artist
• Artist name
• Artist name
• Artist name
• Artist name
• Artist name

The list of the intermediate items is displayed.

Pressing ►/□ now starts playback of all of the files in the selected artist.

5
Select an intermediate item ("Album title", for example).

💿 Artist name
• Album title
• Album title
• Album title
• Album title
• Album title

The list of the intermediate items is displayed.

Pressing ►/□ now starts playback of all of the files in the selected album.

6
Select a track ("Track title", for example).

🎵 Album title
• Track title
• Track title
• Track title
• Track title
• Track title

🎤 Artist name
🎵 Track title
►0:00:01/0:12:34 0001/0123

-dB 40 30 24   12 6 3 0 PEAK
R
bass SD

MEMO
• When an SD card is inserted, the music files in it are displayed together with those in the internal memory.
• A track that does not contain tag information is classified as "Unknown".
• The music tracks are played back in either order described below.
  Track number: Order of track numbers in the tag information. When there is no track number, the tracks are played in order of track titles or file names.
  Track title: Order of track titles or file names in the tag information.

English

Display during playback

The display shows various information during playback.

Mode
► : Play
None: Stop

Track title

♣ : Artist name
◉ : Album title

Artist name
♪ Track title

Elapsed play time/
Total play time

Track No./ Number of
selected tracks

Time progress bar

Playback speed
(page 24)
+2: Faster
+1: ：
None: Normal
−1: ：
−2: Slower

Remaining battery
power (page 13)

HOLD switch (page 12)
⬛ : HOLD
None: HOLD canceled

Repeat mode
(page 21)

Play mode
(page 21)

SPRM (Supreme)/
Sound mode
(page 34)

Sleep timer/ Alarm timer (page 40)
⏰ : Alarm timer on
☾ : Sleep timer on
None: Timer off

Presence of SD card
(page 12)

Operations available during playback

Left button
Tapping shortly:
Displays the previous list.
**Pressing and holding for
more than 1 sec.:**
Displays the home screen.

Power/Menu button
Displays the pop-up menu.
When the backlight is off,
turns it on.

Repeat button
Tapping shortly:
Selects the repeat mode.
**Pressing and holding for
more than 1 sec.:**
Sets an A-B repeat point.

Play/Stop button
Play mode:
Stops playback.
Stop mode:
Resumes playback.
During menu display:
Enter the setting.

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.
During menu display:
Moves 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.
During menu display:
Moves 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 (page 41).
• 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.

English

Various play modes

The order of playing music files can be selected as shown in the following table.

Play mode

Normal	Plays music in a list.
Random	Playback of all of the tracks in the list in a random order, playing every track once.
Intro	Playback of the introduction parts of all of the tracks in the list, playing the first 10 seconds of every track.

Repeat mode

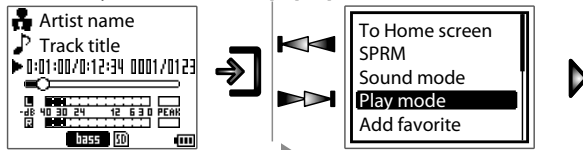| Repeat off	Playback stops after having played the tracks in the list.
Repeat one	Playback of the same track repeatedly.
Repeat all	Playback of all of the tracks in the list repeatedly.

A-B Repeat mode

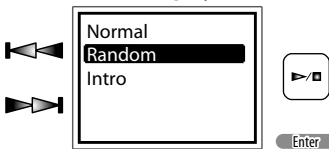| A-B Repeat	Repeat playback of the section between points A-B set within a track.

The tracks in the list vary depending on the item used for selecting the track being played. (page 19)

Play mode

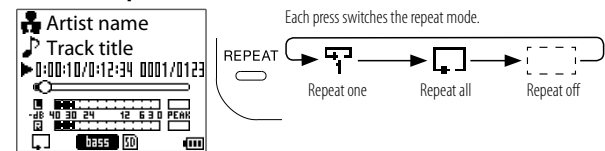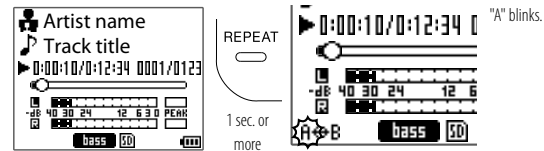**1** **Select "Play mode" from the pop-up menu.**

To Home screen
SPRM
Sound mode
Play mode
Add favorite

2 **Select the desired play mode.**

Normal
Random
Intro

Repeat mode

1 **Select the repeat mode.**

Each press switches the repeat mode.

REPEAT

Repeat one   Repeat all   Repeat off

A-B Repeat mode

1 **Enter the A-B repeat mode.** (the current repeat mode should be "Off")

REPEAT

1 sec. or more

"A" blinks.

2 **Set the start point (point A).**

REPEAT

"A" lights steadily and "B" starts to blink.

English

3

Set the end point (point B).

REPEAT

Track title
▶ 0:05:00/0:12:34 0

L
-dB 40 30 24   12 6
R

A↔B   bass SD
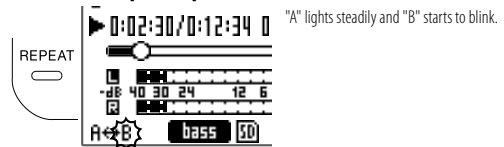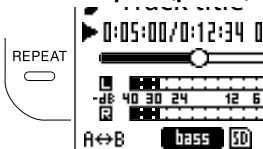
"A ↔ B" lights up.

When the next file is selected before setting the end point (point B), the A-B repeat mode is canceled.

4

To cancel A-B Repeat.

🎵 Artist name
♪ Track title
▶ 0:05:00/0:12:34 0001/0123

L
-dB 40 30 24   12 6 3 0 PEAK
R

A↔B   bass SD

REPEAT

Track title
▶ 0:05:00/0:12:34 0

L
-dB 40 30 24   12 6
R

bass SD

"A ↔ B" disappears.

To skip an item

Played tracks can be skipped on a per-item basis as shown below.

Artist skip	When a file is selected with the artist name, Artist skip can be used to switch the artists.
Album skip	When a file is selected with the album title, Album skip can be used to switch the albums.
Genre skip	When a file is selected with the genre, Genre skip can be used to switch the genre.
Year skip	When a file is selected with the release year, Year skip can be used to switch the year.

The item to be skipped is determined according to the item used to select the track being played. (page 19)
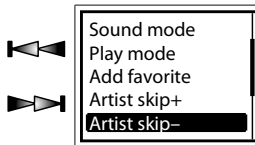
1

Open the pop-up menu during playback.

🎵 Artist name
♪ Track title
▶ 0:01:00/0:12:34 0001/0123

L
-dB 40 30 24   12 6 3 0 PEAK
R

bass SD

Press when the display during playback is shown.

2

Select "Artist skip+" or "Artist skip-".

|◄◄

►►|

Sound mode
Play mode
Add favorite
Artist skip+
Artist skip–

►/■

The displayed items vary to "Artist skip", "Album skip", "Genre skip" or "Year skip" depending on the item used to select the track being played.

MEMO
• The A-B repeat mode is canceled when another file is selected or the fast forward/fast reverse operation is performed.
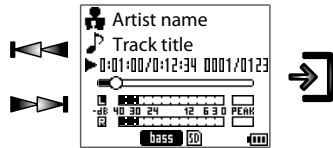• The A-B repeat mode cannot be entered unless the current repeat mode is "Off".

MEMO
• The item skip operation described above is not available if the music being played was selected from "File", "Favorite", "Folder" or "Recorded" in the home screen.

English

Adding to/Deleting from the Favorite
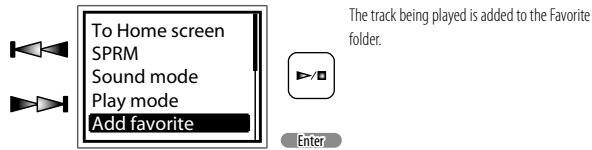
Tracks you are particularly fond of can be registered in the Favorite folder for playing only the favorite tracks later.

Adding to the Favorite

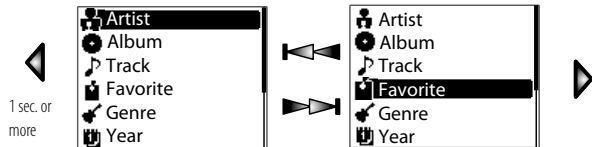**1** **Play a track you like and open the pop-up menu.**

⚙ Artist name
♪ Track title
▶0:01:00/0:12:34 0001/0123

2 **Select "Add favorite".**

To Home screen
SPRM
Sound mode
Play mode
Add favorite

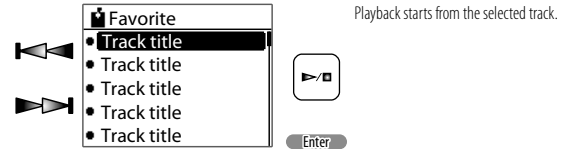The track being played is added to the Favorite folder.

Enter

Playing Favorite

The tracks in the Favorite folder can be played in the order they were added to it.
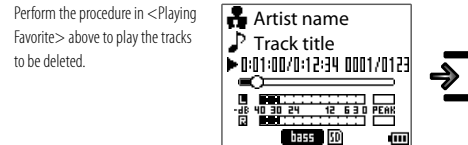
1 **Select "Favorite" from the home screen.**

⚙ Artist
💿 Album
♪ Track
📁 Favorite
✦ Genre
📅 Year

1 sec. or more

⚙ Artist
💿 Album
♪ Track
📁 Favorite
✦ Genre
📅 Year

2 **Select a track.**

📁 Favorite
● Track title
● Track title
● Track title
● Track title
● Track title

Playback starts from the selected track.

Enter

Deleting from the Favorite

1 **Play the track to be deleted from Favorite and open the pop-up menu.**

Perform the procedure in <Playing Favorite> above to play the tracks to be deleted.

⚙ Artist name
♪ Track title
▶0:01:00/0:12:34 0001/0123

2 **Select "Delete favorite".**

To Home screen
SPRM
Sound mode
Play mode
Delete favorite

The track being played is deleted from the Favorite folder.

Enter

MEMO • Up to 30 tracks can be added to the Favorite folder.
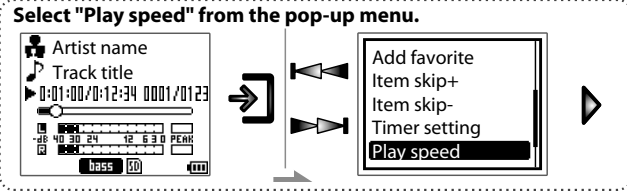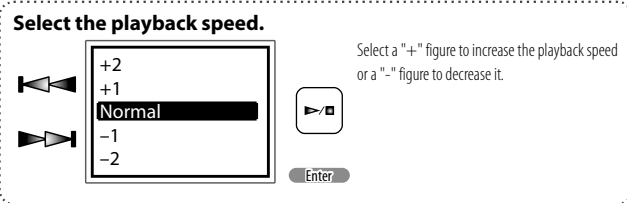• Addition to or deletion from the Favorite folder is also possible by selecting the desired track from the list in the library screen.
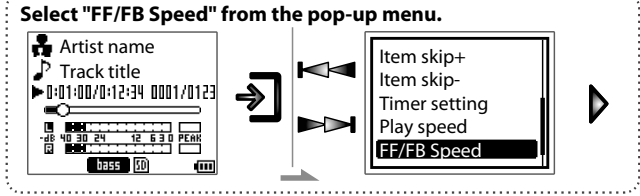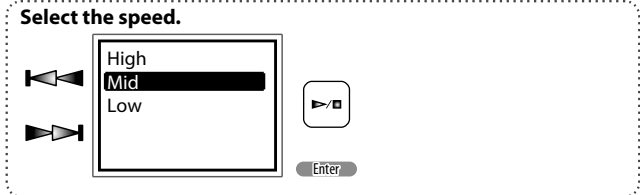
English

Varying the playback speed

The playback speed can be varied in 5 steps.

The fast forward and fast reverse speed can also be varied in 3 steps.

Varying the playback speed

1 **Select "Play speed" from the pop-up menu.**

2 **Select the playback speed.**

Select a "+" figure to increase the playback speed or a "-" figure to decrease it.

Varying the fast forward/fast reverse speed

1 **Select "FF/FB Speed" from the pop-up menu.**
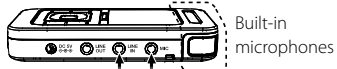

2 **Select the speed.**

MEMO • The default FF/FB speed set before this unit left the factory is "Mid".

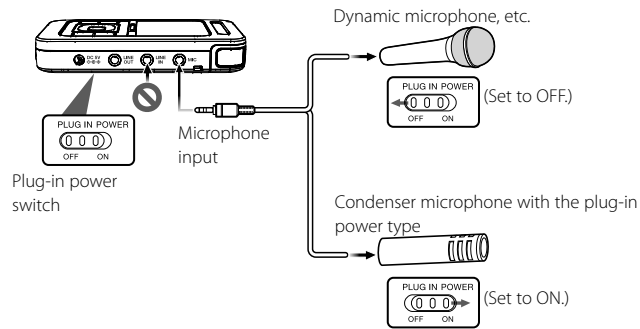English

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.

❶ **Recording from the built-in microphones**

Built-in microphones

Do not connect anything.

❷ **Recording from an external microphone**

Plug-in power switch

Microphone input

Dynamic microphone, etc.

PLUG IN POWER
OFF ON
(Set to OFF.)

Condenser microphone with the plug-in power type

PLUG IN POWER
OFF ON
(Set to ON.)

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

Musical instrument, etc. (Line output)

Line input

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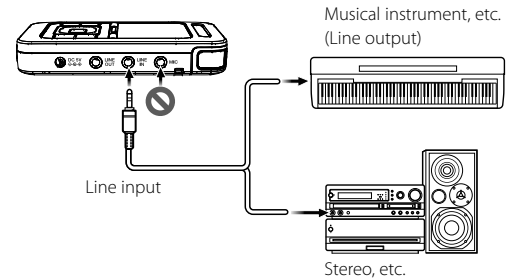
MEMO
- Prepare the required adapters, such as a standard stereo plug cable or RCA pin plug – stereo miniplug adapter (commercially available in audio stores), according to the output terminals of the external microphone or audio component.
- When connecting a condenser microphone with built-in battery,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

English

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.

|		
❶	MIC MODE (3MIC)	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.
	MIC MODE (2MIC)	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.
	MIC MODE (MONO)	Monaural recording mode using only the Center (unidirectional) built-in microphone. This mode can record audio with high directivity in the front direction.
❷	MIC MODE MIC MODE (STEREO)	Stereo recording using an external stereo microphone.
	MIC MODE (MONO)	Monaural recording using an external monaural microphone.
❸	Line —	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)

If microphone recording is interfered with by wind noise, it can sometimes be reduced by setting the recording equalizer properly (page 29). The wind noise during recording with the built-in microphones may sometimes be reduced by switching the microphone mode from monaural (Center microphone) to 2MIC stereo mode (L and R microphones).

2 **Select "Recording" from the home screen.**

Artist
Album
Track
Favorite
Genre
Year

1 sec. or more

Genre
Year
Folder
Recorded
Recording
Settings

Enter

English
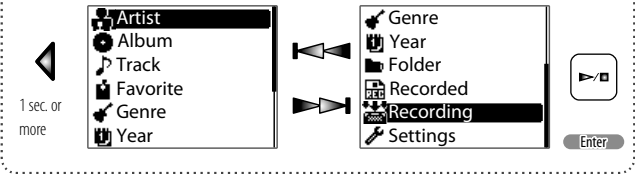
Display during recording

During recording from built-in microphones or external microphone

Recording mode indicator (page 26)

Recorded file name

Recording format (page 29)

Recording destination (page 30)

Sync recording (page 30)

Delayed recording (page 31)

080229123456.wav

Status
● : Recording
❙❙ : Pause
None: Stop

Elapsed recording time/Remaining recording time

Recording level setting "Auto" : Automatic microphone recording level

Level meter

Recording equalizer (page 29)

Remaining battery power (page 13)

Presence of SD card (page 12)

HOLD switch (page 12)

Sleep timer/ Alarm timer (page 40)

During recording from the line input

Line 080301123456.wma

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

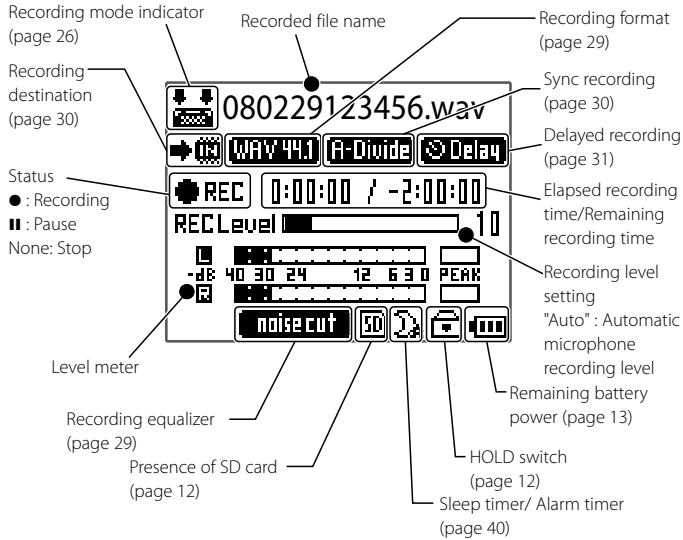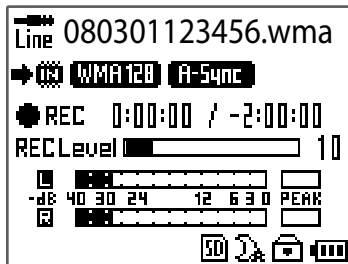When recording a speech with the built-in microphones or an external microphone, this function records the voice so that the volume level is as uniform as possible all over the recording.

AUTO	This setting records audio at as uniform as possible level and is therefore suitable for recording of a speech, etc.
MANUAL	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)

MIC REC LEVEL
MANUAL   AUTO

0:00:00 / -i
REC Level:Auto

English
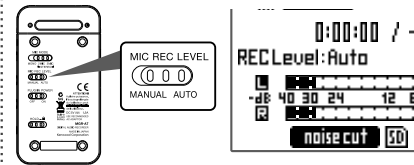
Auto Level Setting (ALS) function

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".**

2 **This unit enters the ALS mode and sets the recording level according to the maximum input level.**

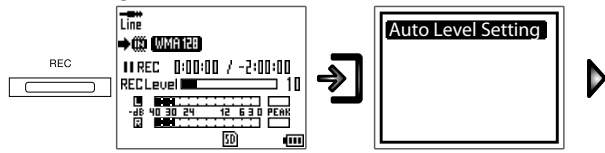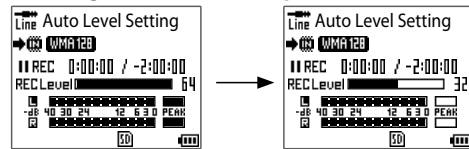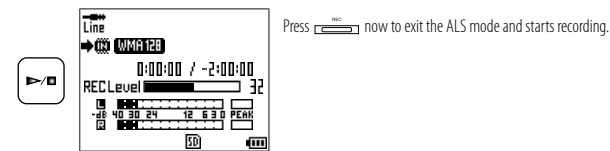**3** **Exit the ALS mode.**

Press [REC] now to exit the ALS mode and starts recording.

MEMO
- When using the built-in microphones or an external microphone, it is required to set the MIC REC LEVEL switch on the rear panel of this unit to "MANUAL".
- If the ALS mode is exited immediately after a loud sound, the recording level may not be adjusted properly. Exit the ALS mode at least 2 seconds after a loud sound.

Manual recording level adjustment

The recording level can also be adjusted manually.

1 **Adjust the recording level.**

Observe the level meter, adjust the recording level between 0 and 64 so that the recording level does not exceed 0 dB (so that the PEAK indicators do not light).
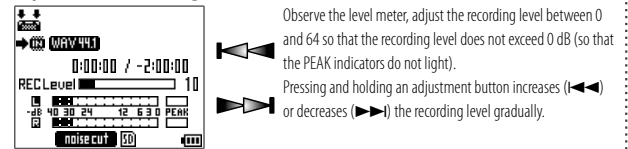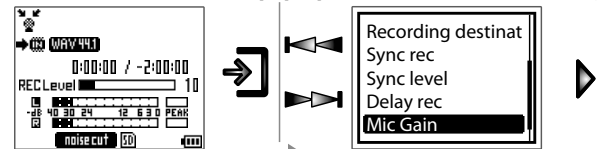Pressing and holding an adjustment button increases (I◄◄) or decreases (►►I) the recording level gradually.

MEMO
- When using the built-in microphones or an external microphone, it is required to set the MIC REC LEVEL switch on the rear panel of this unit to "MANUAL".
- Manual adjustment is not available when the Auto Level Setting (ALS) function is activated. (page 28)

External microphone gain setting

If the input sensitivity of the external microphone is low or the sound recorded using the external microphone is low even when the recording level is adjusted to a high level, the recording level can be enhanced by increasing the gain of the external microphone input.

1 **Select "Mic Gain" from the pop-up menu.** (External microphone only)

Recording destinat
Sync rec
Sync level
Delay rec
Mic Gain

2 **Select the microphone input gain.**

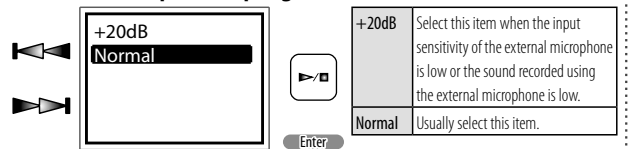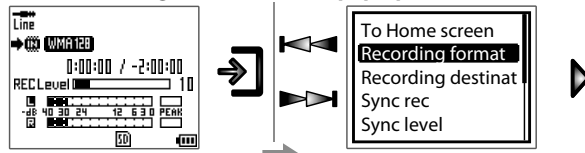| +20dB	Select this item when the input sensitivity of the external microphone is low or the sound recorded using the external microphone is low.
Normal	Usually select this item.

Setting the recording format

The format and bit rate of the recorded file can be selected according to the audio quality requirement.

WAV 44.1	WAV 44.1kHz	Non-compressed audio is recorded with the 44.1 kHz sampling frequency. This setting is suitable for recording audio for use in creating a music CD, etc.
WAV 48	WAV 48kHz	Non-compressed audio is recorded with the 48 kHz sampling frequency. This setting is suitable for recording audio of a video movie, etc.
WMA 64	WMA 64kbps	Recorded audio is compressed in the WMA format. This setting enables long-hour recording.
WMA 96	WMA 96kbps	Recorded audio is compressed in the WMA format.
WMA 128	WMA 128kbps	Recorded audio is compressed in the WMA format.

1 Select "Recording format" from the pop-up menu.

To Home screen
Recording format
Recording destinat
Sync rec
Sync level

2 Select the recording format.

WAV44.1kHz
WAV48kHz
WMA64kbps
WMA96kbps
WMA128kbps

Enter

MEMO
- When "WMA 64kbps", "WMA 96kbps" or "WMA 128kbps" is selected for recording from microphones and the microphone mode (page 26) is set to "MONO", the audio is recorded in the WMA 32kbps monaural format. This format provides sound quality equivalent to the WMA 64kbps format.
- The default recording format set before this unit left the factory is "WAV 44.1 kHz".

Setting the recording equalizer

When recording music or voice using the built-in microphones or an external microphone, the recording equalizer can be set according to the recorded sound in order to reduce ambient noise, etc.

	Off	Recording without using the equalizer effect.
music	Music	Optimum setting for music performance. Recording of natural sound with a feeling of expansion.
vocal	Vocal	When used in recording of music, recording focused on the vocal part in the middle frequencies is possible.
voice	Voice	When used in recording of a conference, etc., the voices of speakers can be captures from a wide area.
noise cut	Noise Cut	Recording by reducing dark noise from an air conditioner, air duct, etc. is possible.
low cut 1	Low Cut 1	Recording by cutting the low-frequency noise is possible.
low cut 2	Low Cut 2	Recording by cutting a wider range of low-frequency noise than "Low Cut 1".

1 Select the recording equalizer.
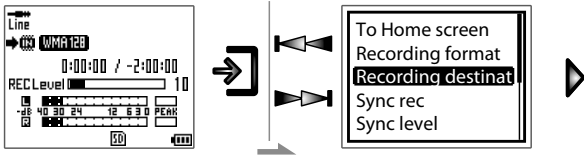(Built-in microphones or external microphone only)

REC EQ

Each press of the button switches the recording equalizer.

Setting the file recording destination
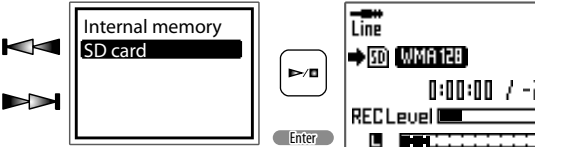
Select the location for storing the recorded file.

➡️	Internal memory	Stores the recorded files in the internal memory.
➡️	SD card	Stores the recorded files in the SD card.

1 | **Select "Recording destination" from the pop-up menu.**

To Home screen
Recording format
Recording destinat
Sync rec
Sync level

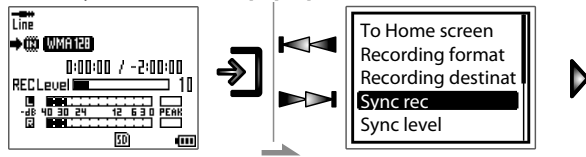**2** | **Select the recording destination.**

Internal memory
SD card

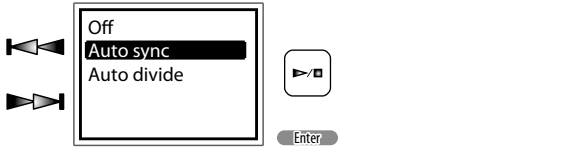# Sync recording for starting recording in synchronism with music or voice

This function starts recording or divides the current recorded file into two at the same time as the start of music or voice input.

	Off	Sync recording disabled.
A-Sync	Auto sync	Recording starts automatically at the start of music and pauses when no-input status has lasted for 2 seconds. A new recorded file is created every time recording is started.
A-Divide	Auto divide	The current recorded file is divided automatically at the start of music.
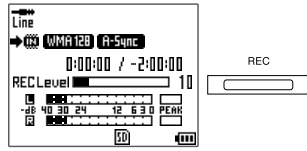
1 | **Select "Sync rec" from the pop-up menu.**

To Home screen
Recording format
Recording destinat
Sync rec
Sync level

2 | **Select the sync mode.**

Off
Auto sync
Auto divide

3 | **Start recording.**

See page 32.

REC

MEMO
- Simply setting sync recording does not start actual recording.
- The default sync recording setting before this unit left the factory is "Off".
- Start of music or voice is detected only after no-input status has lasted for 2 seconds or more.
- When recording using the built-in microphones or an external microphone, the detection level of the start of music or voice can be adjusted. (page 31)

English

Setting the detection level of sync recording

When sync recording using the built-in microphones or an external microphone is set, the level at which recording starts can be set as described below.

The default sync detection level set before this unit left the factory is "Low". In an environment with high ambient noise (in which the no-input status cannot be detected), set the detection level to "Mid" or "High".
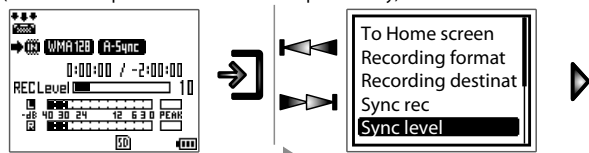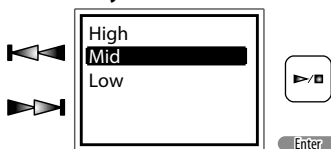
High	When the ambient noise is high, etc., increases the level at which the start of music is detected.
Mid	⋮
Low	Detects the start of music at a low level.

1 **Select "Sync level" from the pop-up menu.**
(Built-in microphones or external microphone only)

2 **Select the sync level.**

Delayed recording for starting recording after a set delay

When recording audio using the built-in microphones or an external microphone, the start of recording can be delayed from the moment the record button is performed. This makes it possible to avoid recording the button operation sound, etc.

1 **Select "Delay rec" from the pop-up menu.**
(Built-in microphones or external microphone only)
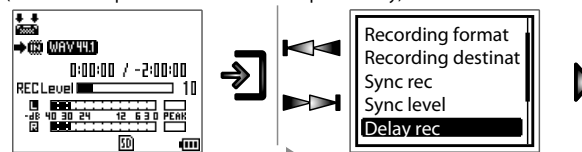
2 **Specify the timer period.**

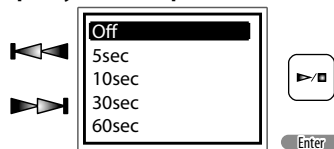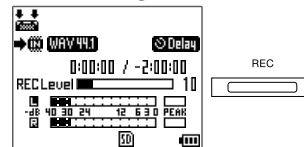Set from 5, 10, 30 and 60 seconds.
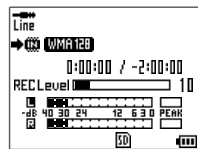
3 **Start recording.**

See page 32.

MEMO
• To deactivate the delay recording, select "Off" in step 2.
• The default delayed recording mode set before this unit left the factory is "Off".

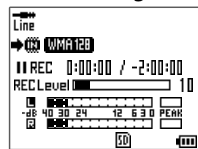English

Recording music or voice

The music or voice input from microphones or an audio component can be recorded as described below.
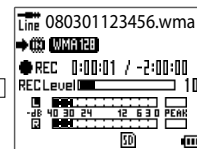
1 Set this unit to record-pause mode.

The record-pause (**II REC**) indicator lights up.

2 Start recording.

The recorded file name is displayed.

When sync recording is set to "Auto sync" (page 30):
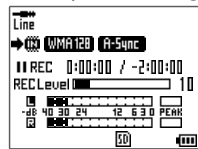
Recording starts automatically when music starts, and pauses when music ends.

A new recorded file is created at the start of recording.

The **A-Sync** indicator blinks during record-pause.

When delayed recording is set (page 31):
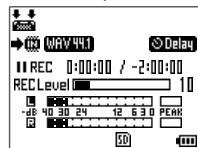
The **Delay** indicator blinks and recording starts when the set delay time has elapsed.

3 To pause recording:
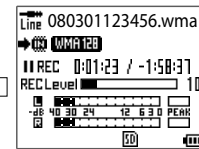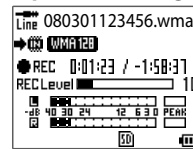
Pressing the button again to resume recording.

4 To divide a recorded file:
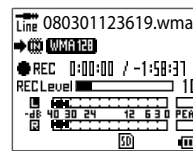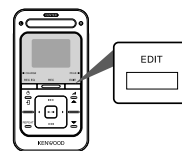
Recording is continued on a new recorded file.

The sound may be interrupted at the point the recorded file changes.

5 Stop recording.

MEMO
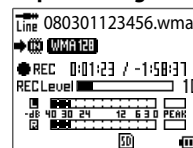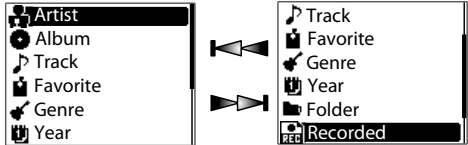
- The maximum recording time available per file is 2 hours.
  When the maximum recording time is reached, recording is continued on a new recorded file. The sound may be interrupted at the point the recorded file changes.
- The recorded file is not divided even when recording pauses temporarily.
- The recorded file is named after the date and time the recording is started. (file name: Year-Month-Day-Hour-Minute-second)
- The recorded file can be deleted anytime. (page 37)
- To play a recorded file, select it from "Recorded" file list in the home screen. (page 33)
- 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

English
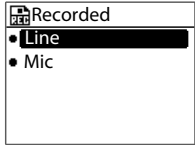
Playing recorded music or voice
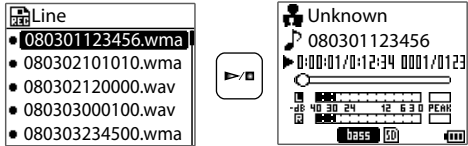
The music or voice recorded from microphones or the line input can be played back as described below.
The files are recorded in order of the filenames (recording start date/time).

1 **Select "Recorded" from the home screen.**

1 sec. or more

| Artist |
| Album |
| Track |
| Favorite |
| Genre |
| Year |

| Track |
| Favorite |
| Genre |
| Year |
| Folder |
| Recorded |

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

Recorded
• Line
• Mic

If ►/■ is pressed in this step, playback starts from the first file of the files recorded from microphones or the line input.

3 **Select the recorded file.**

Line
• 080301123456.wma
• 080302101010.wma
• 080302120000.wav
• 080303000100.wav
• 080303234500.wma

Unknown
♪ 080301123456
►0:00:01/0:12:34 0001/0123

-dB 40 30 24   12 6 3 0 PEAK
bass SD

MEMO

• When an SD card is inserted, the music files in it are displayed together with those in the internal memory.
• If the filename of a recorded file is renamed on the PC, the file can no longer be selected from the "Recorded" file list.

English

Adjusting the audio

Adjusting the volume
Adjust the listening volume as follows.

1 Select the volume level.
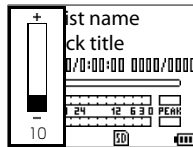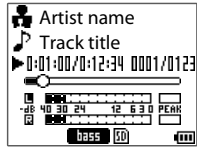
Pressing and holding a button segment varies the volume gradually.

Selecting the sound effects
Select one of the 9 modes.

SPRM (Supreme)

	On	Kenwood-original tone improvement technology, which creates realistic sound by interpolating the high-frequency components that are lost in MP3/WMA (44.1 kHz) audio compression.
SiP		

Sound mode

	NORMAL	Playback in normal tone.
bass pops rock jazz dance voice	BASS/ POPS/ ROCK/ JAZZ/ DANCE/ VOICE	Playback in a tone matching the genre of music.
custom	Custom sound	Desired tone can be set using a 5-band custom equalizer.

SPRM (Supreme)

1 Select "SPRM" from the pop-up menu.
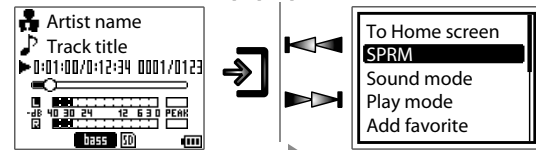
2 Select the Supreme setting.

English
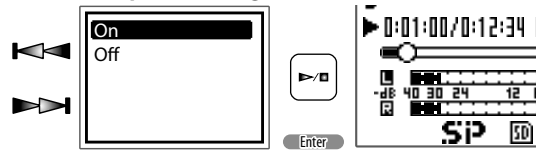
Sound mode

1 Select "Sound mode" from the pop-up menu.

Artist name
Track title
0:01:00/0:12:34 0001/0123
-dB 40 30 24 12 6 3 0 PEAK
SiP SD

To Home screen
SPRM
Sound mode
Play mode
Add favorite

2 Select the Sound mode.

NORMAL
BASS
POPS
ROCK
JAZZ

Enter

Track title
0:01:00/0:12:34 0
-dB 40 30 24 12 6
bass SD
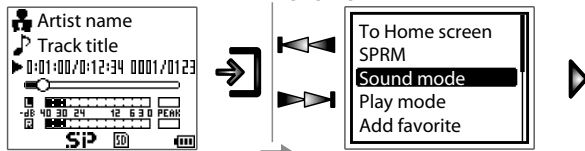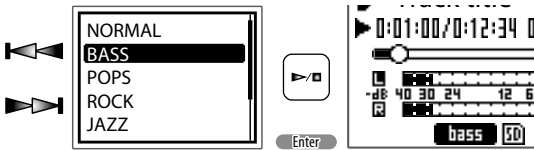
To select "Custom sound":

3 Select the frequency band to be adjusted.

+6
0
-6
63 Hz   250 Hz   1 KHz   4 KHz   16 KHz

4 Set the response level.

+6
0
-6
63 Hz   250 Hz   1 KHz   4 KHz   16 KHz
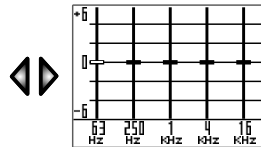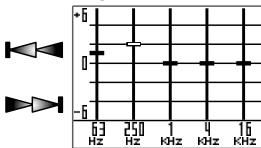
5 Enter the selection.

▶/■

MEMO
• If the headphone volume is increased too much, you will be unable to hear the sounds from outside. Be careful not to increase the volume too much.
• With the default condition set at the factory, Supreme is set to "Off" and Sound mode is set to "NORMAL".
• Supreme and Sound mode cannot be used simultaneously.

35

English

Viewing files

The list of the music files stored in this unit can be displayed.
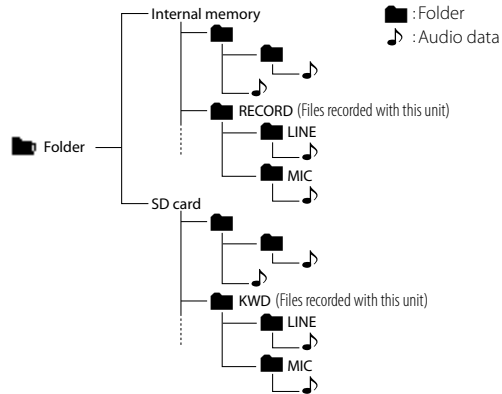
Internal memory
■ : Folder
♪ : Audio data

Folder

RECORD (Files recorded with this unit)
LINE
MIC

SD card

KWD (Files recorded with this unit)
LINE
MIC

1 **Select "Folder" from the home screen.**

1 sec. or more

Artist
Album
Track
Favorite
Genre
Year

Album
Track
Favorite
Genre
Year
Folder

2 **Select either Internal memory or SD card.**
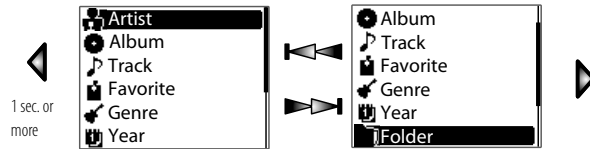
■Folder
• Internal memory
• SD card
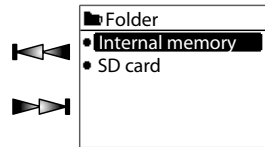
3 **Select the folder in the lower level.**

■Internal memory
■ Folder1
■ RECORD
♪ File001.mp3
♪ File002.mp3
♪ File003.mp3
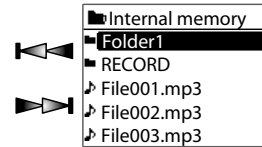
Files and folders in the selected folder are displayed.

Pressing ▶/■ plays all of the files in the selected folder.

4 **Playback starts when a file is selected.**

■Internal memory
■ Folder1
■ RECORD
♪ File001.mp3
♪ File002.mp3
♪ File003.mp3
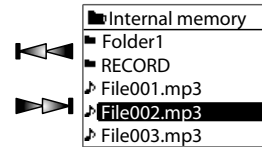
The files on the folder are played from the selected file.

If there is a folder in the lower level, the files in the folder are also played back.

MEMO
• The folder configuration under "Folder" is variable depending on how this unit is used and the number of hierarchical levels is also variable. As a result, when you want to display a file list, it may be necessary to repeat the operation in step 3 according to the number of hierarchical levels.
• The files in each folder are played in order of filenames (unicode).

English

Deleting tracks

The files in this unit can be deleted as described below.
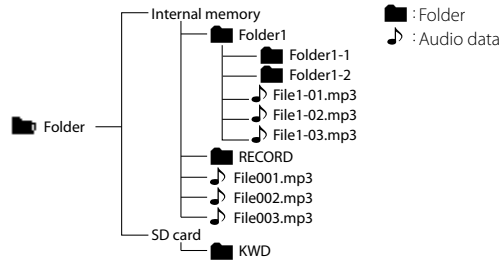
```
Internal memory
    Folder1                    ■ : Folder
        ■ Folder1-1            ♪ : Audio data
        ■ Folder1-2
        ♪ File1-01.mp3
        ♪ File1-02.mp3
■ Folder                       ♪ File1-03.mp3
        ■ RECORD
        ♪ File001.mp3
        ♪ File002.mp3
        ♪ File003.mp3
    SD card
        ■ KWD
```

1 **Select "Folder" from the home screen.**

Artist	● Album
● Album	♪ Track
♪ Track	■ Favorite
■ Favorite	✔ Genre
✔ Genre	☷ Year
☷ Year	■ Folder

1 sec. or more

2 **Select either Internal memory or SD card.**
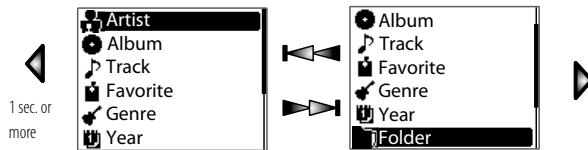
■ Folder
• Internal memory
• SD card
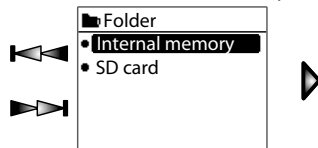
3 **Select the file to be deleted.**
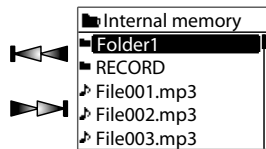
■ Internal memory
■ Folder1
■ RECORD
♪ File001.mp3
♪ File002.mp3
♪ File003.mp3

The folder configuration under "Folder" is variable depending on how this unit is used and the number of hierarchical levels is also variable. As a result, when you want to display a file list, it may be necessary to repeat the operation in step 3 according to the number of hierarchical levels.

4 **Place the cursor on the file to be deleted.**

■ Folder1
■ Folder1-1
■ Folder1-2
♪ File1-01.mp3
♪ File1-02.mp3
♪ File1-03.mp3

5 **Select "Yes" from the edit menu.**

EDIT

Delete file?
● No
● Yes

Enter
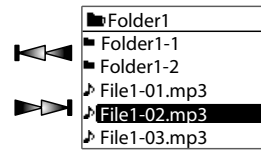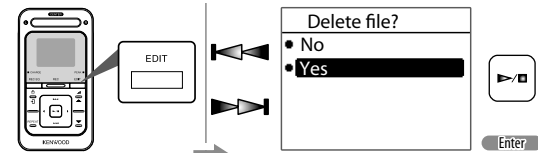
MEMO
• A file can be deleted only when it is selected by selecting "Folder" in the home screen.
• The folders cannot be deleted.
• Files cannot be deleted if the LOCK switch on the SD card is set to the "LOCK" position. (page 5)

English

Moving a recorded file

The files recorded with this unit can be moved between the internal memory and SD card. When a file is moved, the file in the original location is deleted.

Line
└ 080301123456.wma
Recorded   When the file is stored in the internal memory:

Move file
● No
● To SD card

Mic
└ 080301130000.wav
When the file is stored in the SD card:

Move file
● No
● To internal memo
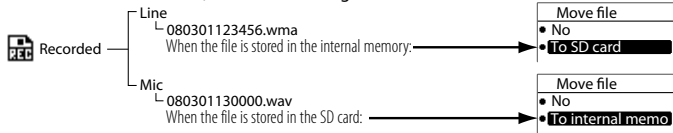
Operation for confirming the recorded files by selecting "Folder" in the home screen

Folder
- Internal memory
  - RECORD
    - LINE
      - ♪ 080301123456.wma
    - MIC
      - ♪ 080310130000.wav
- SD card
  - KWD
    - LINE
      - ♪ 080301123456.wma
    - MIC
      - ♪ 080310130000.wav

📁 : Folder
♪ : Audio data

1 Select "Recorded" from the home screen.

🎵 Artist
● Album
♪ Track
★ Favorite
🎸 Genre
📅 Year

1 sec. or more

♪ Track
★ Favorite
🎸 Genre
📅 Year
📁 Folder
🔴 Recorded
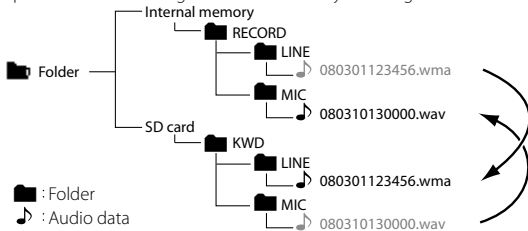
2 Select whether the file to be moved has been recorded from the microphones or the line input.
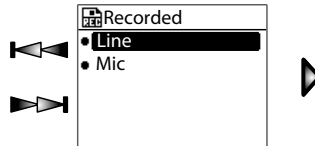
🔴 Recorded
● Line
● Mic

3 Select the recorded file to be moved.

🔴 Line
● 080301123456.wma
● 080302101010.wma
● 080302120000.wav
● 080303000100.wav
● 080303234500.wma
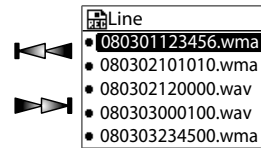
Place the cursor on the file to be moved.

4 Select "To SD card" or "To internal memory" from the edit menu.

EDIT

Move file
● No
● To SD card

Enter

MEMO
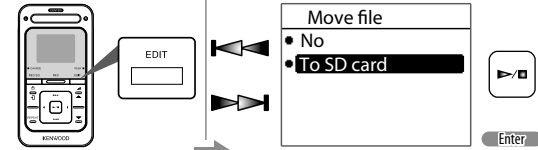
- A file can be moved only when it is selected by selecting "Recorded" in the home screen.
- Recorded files can be moved between the specified folders. When the recorded files are confirmed by selecting "Folder" in the home screen, they can be found in either location below.
  LINE: "Internal memory" - "RECORD" - "LINE" ⇄ "SD Card" - "KWD" - "LINE"
  MIC: "Internal memory" - "RECORD" - "MIC" ⇄ "SD Card" - "KWD" - "MIC"
- Files cannot be moved if the LOCK switch on the SD card is set to the "LOCK" position. (page 5)

Dividing a recorded file

A music or voice file in the WAV format recorded with this unit can be divided by creating another file and adding numbers to the files newly created by division.

Recorded ┬ Line
         └ Mic
              └ 080301130000.wav

♪
♪01   ♪02
        ♪02 ♪03
              ♪04 ····· ♪99
♪0101   ♪0102
          ····· ♪0199
♪010101 ♪010102

1 Select "Recorded" from the home screen.

1 sec. or more

♪ Artist
⊙ Album
♪ Track
♪ Favorite
✦ Genre
♪ Year

♪ Track
♪ Favorite
✦ Genre
♪ Year
♪ Folder
REC Recorded
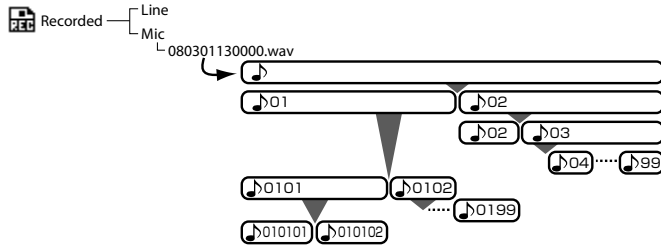
2 Select whether the file to be divided has been recorded from the microphones or the line input.

REC Recorded
● Line
● Mic

3 Play the file (.wav) to be divided.

Mic
● 080301130000.wav
● 080302101010.wav
● 080302120000.wav
● 080303000100.wma
● 080303234500.wma

Unknown
♪ 080301130000
▶0:00:01/0:12:34 0001/0123
L -dB 40 30 24   12 6 3 0 PEAK
R
bass SD

4 Divide the recorded file.

Unknown
♪ 080301130000
▶0:06:01/0:12:34 0001/0123
L -dB 40 30 24   12 6 3 0 PEAK
R
bass SD

EDIT

The file is divided at the position where the EDIT button is pressed.

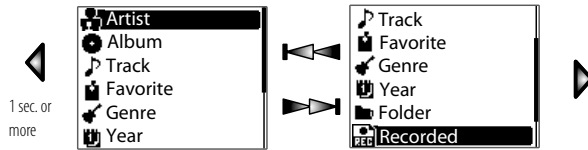## 5 Select "Yes" from the edit menu.

Divide?
● No
● Yes

Enter

MEMO
• A file can be divided only when it is a WAV-format file selected by selecting "Recorded" in the home screen.
• The files recorded in the WMA format cannot be divided.
• Free space which is more than the size of the file to be divided is necessary for dividing a file.
• When a file is divided, 2-digit numbers are added to the filenames of the two files obtained by division. File division is possible from "01" until "99" is reached. When the first file created by division is divided again, 2-digit numbers are added to the filenames of the files obtained by the second division, for example "0101". The first file created by first division can be divided for a total of three times, until the added numbers become 6-digit numbers such as "010101".
• Files cannot be divided if the LOCK switch on the SD card is set to the "LOCK" position. (page 5)

English

Sleep timer and alarm timer

The sleep timer makes it possible to switch this unit OFF after the set period of time.
The alarm timer makes it possible to generate an alarm (beep tone) after the set period of time.

1   **During playback or recording, select "Timer setting" from the pop-up menu.**

Artist name
Track title
▶ 0:01:00/0:12:34 0001/0123

Play mode
Add favorite
Album skip+
Album skip–
Timer setting
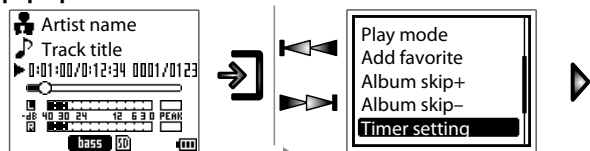
2   **Select the timer to be set.**

Off
Sleep timer
Alarm timer

To set the alarm timer:

3   **Specify the timer period.**

Alarm Timer
120 min

Set in the range from 1 to 180 minutes, in 1-minute steps.

Enter
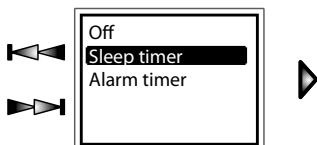
To set the sleep timer:

3   **Specify the timer period.**

Sleep Timer
120 min

Set in the range from 1 to 180 minutes, in 1-minute steps.

Enter

MEMO

• To deactivate the timer, select "Off" in step 2.
• The sleep timer and alarm timer cannot be activated simultaneously.
• The alarm generated by the alarm timer can be stopped by pressing any button.
• The timer setting is canceled when this unit is switched OFF.

English

Various setups
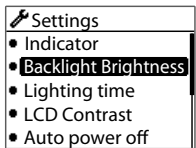
Some function items of this unit including the display brightness and auto power OFF function can be set as desired.

1 **Select "Settings" from the home screen.**

1 sec. or more

- Artist
- Album
- Track
- Favorite
- Genre
- Year

- Genre
- Year
- Folder
- Recorded
- Recording
- Settings
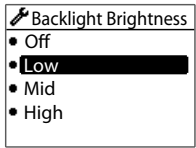
2 **Select the item to be set.**

Settings
- Indicator
- Backlight Brightness
- Lighting time
- LCD Contrast
- Auto power off

For example, to dim the display brightness, select "Backlight Brightness" to view the setting options.

3 **Select the desired option.**

Backlight Brightness
- Off
- Low
- Mid
- High

After the desired option is set, the Settings menu appears again.

Enter

Function items that can be set

- **Indicator**
Sets whether the REC and PEAK indicators are displayed red.

On*/ Off

- **Backlight Brightness**
Selects the display brightness.

Off	Extinguished
Low	Dark
Mid*	⋮
High	Bright

- **Lighting time**
Selects the time after which the display backlight is turned off when no operation has been performed.

5 sec., 10 sec.*, 30 sec., 60 sec., Continuous

- **LCD Contrast**
Adjusts the display contrast.

10 steps
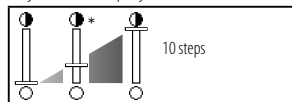
- **Auto power off**
Select the time until this unit is switched OFF when no operation including playback is performed.

3min/ 5min*/ 10min/ 30min

- **Operation tone (Beep)**
Select whether or not a beep is generated when a button is pressed.

On*/ Off

- **Language**
Select the language used for the displayed menus, etc.

日本語/ ENGLISH*/ DEUTSCH/ FRANCAIS/ ESPAÑOL/ ITALIANO/ NEDERLANDS

- **Format**
Formats either the internal memory or SD card. (page 42)
- **Prioritized Drive**
Sets the prioritized drive for USB connection. (page 43)
- **Clock setting**
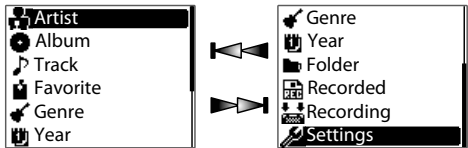Sets the date and time. (page 11)
The date/time information is required for naming the recorded files.
- **Setting reset**
Resets the settings of this unit to the default settings made at the factory. (page 42)
- **System information**
Displays the system information of this unit (model ID, firmware version, available memory capacity, total memory capacity, total number of files).
Press the Play/Stop button to hide the system information display.

MEMO • Pressing the Left button returns to the previous display without selecting an option.

(* indicates the factory setting.)

English
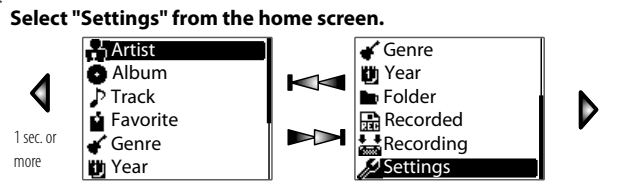
Formatting/Resetting the settings

Formatting can be used to delete all of the music and other files stored in this unit. Resetting is used to reset the settings performed using the setting menus to the settings made before this unit left the factory.

Caution
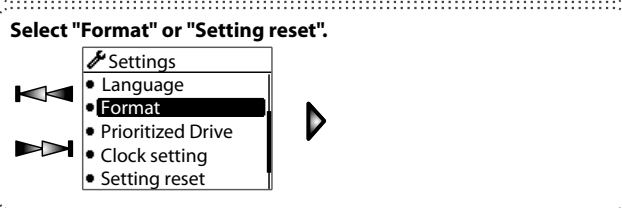
- Formatting deletes all of the files in this unit. It also deletes demonstration music, which cannot be restored later. It does not alter the settings made with the Settings menu.
- Resetting resets the settings made using menus to the factory settings. It does not delete the music data, etc.
- Once formatted, the memory cannot be restored to the previous condition. Be cautious when performing formatting.

1 **Select "Settings" from the home screen.**

1 sec. or more

Artist	Genre
Album	Year
Track	Folder
Favorite	Recorded
Genre	Recording
Year	Settings
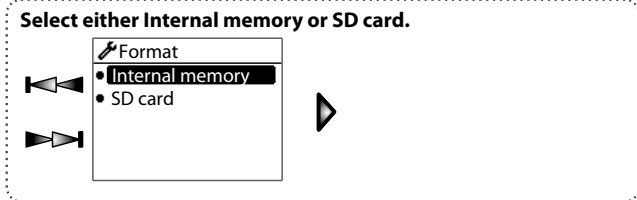
2 **Select "Format" or "Setting reset".**

Settings
- Language
- Format
- Prioritized Drive
- Clock setting
- Setting reset
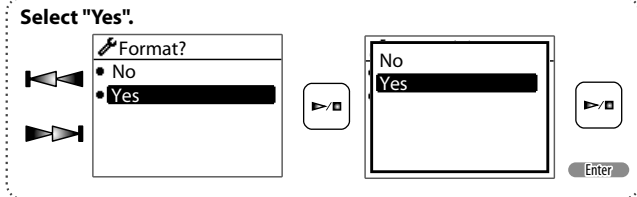
To format this unit:

3 **Select either Internal memory or SD card.**

Format
- Internal memory
- SD card

4 **Select "Yes".**

Format?
- No
- Yes

No
Yes

Enter
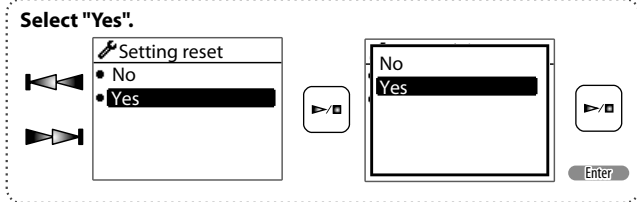
To reset the settings:

3 **Select "Yes".**

Setting reset
- No
- Yes

No
Yes

Enter

MEMO
- Resetting this unit settings does not delete the music data stored in this unit. To delete music data, delete individual files (pages 37 and 18) or format this unit.
- Do not attempt to format this unit from the PC.
- This unit cannot be formatted if the LOCK switch on the SD card is set to the "LOCK" position. (page 5)

English

Setting the prioritized drive
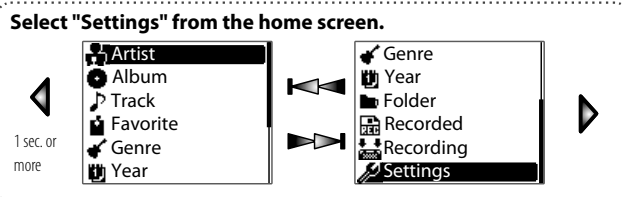
When this unit is connected with USB connection, the internal memory and the SD card are recognized as separate drives.
When this unit is connected to a USB-compatible stereo component and this can recognize only either the internal memory or the SD card, the unrecognized drive can be recognized by changing the prioritized drive.
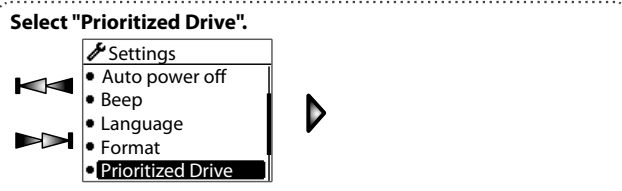
Caution
• When the connected USB device can recognize both drives, for example when it is a PC, changing this setting changes the order of displaying the drive names.

1 **Select "Settings" from the home screen.**

◀ 1 sec. or more

| Artist |
| Album |
| Track |
| Favorite |
| Genre |
| Year |

◀◀ / ▶▶

| Genre |
| Year |
| Folder |
| Recorded |
| Recording |
| Settings |

▶
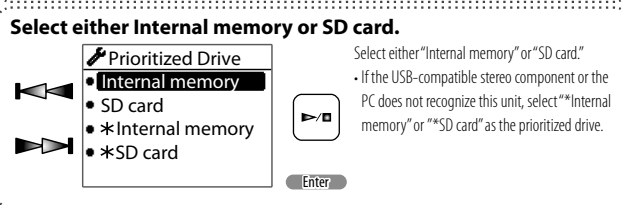
2 **Select "Prioritized Drive".**

◀◀ / ▶▶

Settings
• Auto power off
• Beep
• Language
• Format
• Prioritized Drive

▶

3 **Select either Internal memory or SD card.**

◀◀ / ▶▶

Prioritized Drive
• Internal memory
• SD card
• ✳Internal memory
• ✳SD card

▶/■ Enter

Select either "Internal memory" or "SD card."
• If the USB-compatible stereo component or the PC does not recognize this unit, select "✳Internal memory" or "✳SD card" as the prioritized drive.
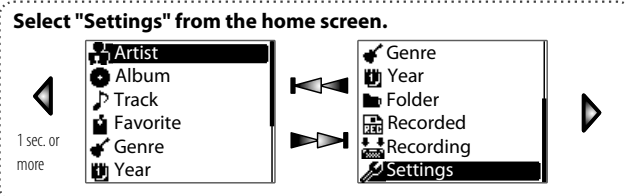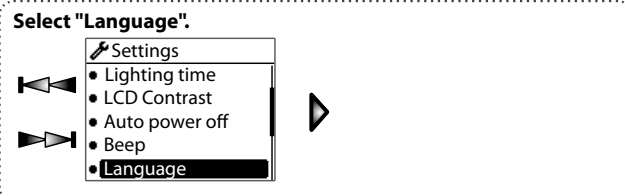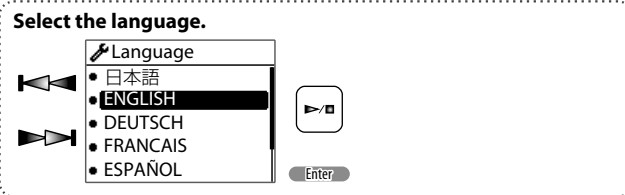
MEMO
• The default prioritized drive set before this unit left the factory is "Internal memory".
• When the selected prioritized drive is "✳Internal memory" or "✳SD card", message "This device can perform faster." may be displayed at the moment this unit is connected to the PC. However, this is not a failure of this unit or a device driver recognition error. The message is displayed because the connection of this unit to the PC is fixed at the full-speed mode (USB1.1 compatible).

English

Setting the menu language

Select the language used for the display.

1 **Select "Settings" from the home screen.**

1 sec. or more

♬ Artist	♪ Genre
● Album	♫ Year
♪ Track	■ Folder
♫ Favorite	▦ Recorded
♪ Genre	♫ Recording
♫ Year	♪ Settings

2 **Select "Language".**

Settings
- Lighting time
- LCD Contrast
- Auto power off
- Beep
- Language

3 **Select the language.**

Language
- 日本語
- ENGLISH
- DEUTSCH
- FRANCAIS
- ESPAÑOL

Enter

44

English

Connection of external components

The Line output can be used to connect an external component such as a speaker with built-in amplifier.
The USB connector can be used to connect an external component such as a stereo set with USB capability.

Connecting to the Line outout

Speaker with built-in amplifier

Stereo amplifier/ Car stereo

AUX IN
L
R

Cable with stereo mini-plugs

FM transmitter
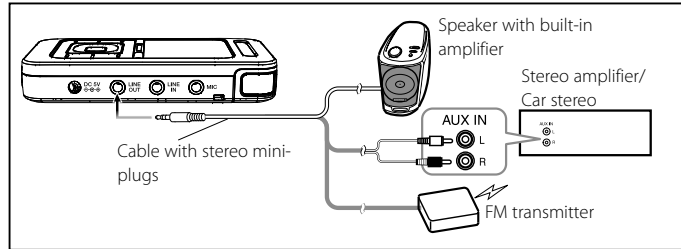
MEMO
- When the Line output is used, the sound mode is set automatically to "NORMAL". (page 34)
- Prepare an optimum audio cable (commercially available) according to the input terminal of the connected external component.
- When using a FM transmitter, noise may be interfered depending the installation environment, including the vehicle model, devices in the surroundings and the antenna positioning.

Connecting to the USB connector

USB cable

USB-compatible stereo/ USB-compatible car stereo
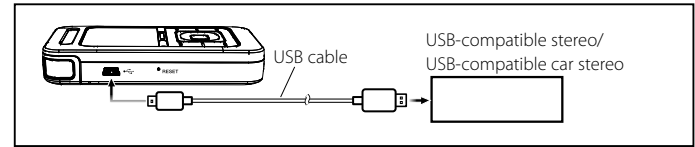
MEMO
- For the operating procedure and the playable files, read the instruction manual for the connected stereo set.
- Do not use or leave this unit or connected component in an automobile compartment with high temperatures. Otherwise, equipment failure may result.
- The internal memory and the SD card are recognized as separate drives. If a drive cannot be selected from USB-compatible stereo component, change the "Prioritized Drive" setting. (page 43)
- When the stereo component is switched off, the input selector is switched or the USB cable is disconnected, the USB connection is canceled and the database of this unit is updated. If you want to connect the stereo component with USB connection again, wait until the database updating finishes.

English

Digital Audio Player Link

When this unit is connected to a Kenwood audio component with the Digital Audio Player Link compatibility, playback of this unit can be controlled from the external audio component.

Digital Audio Player Link-compatible stereo

Digital audio input

Special cable

Line output
LINE OUT terminal

1 Switch this unit ON.
2 Set the input selector of the connected stereo set to "Digital Audio".
• This unit operations including "Play/Pause" and "Skip Up/Down" can be controlled from the main unit and remote control unit of the connected stereo.
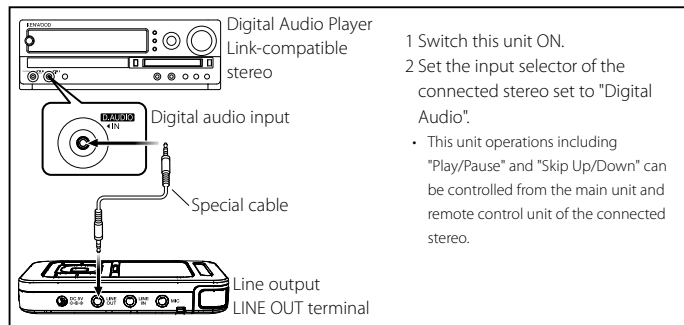
* Examples of Digital Audio Player Link-compatible stereo models
    : AX-7, C-707I, K-501USB, R-K1, R-K1000 (as of March 2008)
* The Digital Audio Player Link cannot be used for recording. Use the line input for recording or transfer music through USB connection.

MEMO
• For details and operating method of the Digital Audio Player Link, refer to the instruction manual for a Digital Audio Player Link-compatible audio component.
• When the "folder skip" operation is performed on the external audio component, this unit performs the item skip operation. (page 22)

English

Specifications

Built-in flash memory *¹
: 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

Interface
: USB 2.0 Full Speed
(USB 1.1 compatible)

Display
: 1.5 inch LCD *²

Max. recording tracks *²
: Approx. 450 tracks

Main unit dimensions (W × H × D)
: 52.7 mm×100.0 mm×18.0 mm
(1-1/2 × 3-5/8 × 7/16 inch)

Weight (Net)
: Approx. 95 g (Approx. 0.08 lbs)

Operational Temperature Range
: 5 °C – +35 °C
(without condensation)

Battery type
: Built-in Li-ion rechargeable battery

Recharging time
AC adapter: Approx. 3 hours
USB: Approx. 3.5 hours

AC adapter (optional accessory)
Power
: AC240V
Rated output
: DC5V 0.6A

Battery operation time*³
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, Monaural/Stereo)
: WMA (44.1 kHz, 64/96/128 kbps, Stereo)
: WMA (44.1 kHz, 32 kbps, Monaural)

Maximum recording time (without other types of file)

Recording format	WAV		WMA		
	48 kHz	44.1 kHz	128 kbps	96 kbps	64 kbps
Internal memory	2h40m	2h54m	32h	42h	64h
SD card 8G	10h40m	11h36m	128h	168h	256h
SD card 4G	5h20m	5h48m	64h	84h	128h
SD card 2G	2h40m	2h54m	32h	42h	64h
SD card 1G	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
Extension: .mp3
Sampling rate: 22.05/ 24/ 32/ 44.1/ 48 kHz
Bit rate: 32 - 320 kbps
Variable bit rate*⁴: 32 - 320 kbps
ID3 tag: ver. 2.2/ 2.3/ 2.4
WMA (DRM9 compatible)
Extension: .wma
Sampling rate: 32/ 44.1/ 48 kHz
Bit rate: 32 - 320 kbps
Variable bit rate*⁴: 32 - 355 kbps
(Not supported by Professional, Lossless, or Voice.)
WAV (Linear PCM)
Extension: .wav
Sampling rate: 22.05/ 24/ 32/ 44.1/ 48 kHz
Quantization: 8/ 16 bit
Channel: Stereo/Monaural

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 *⁶
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.
*1 The actual available space may be smaller than specified due to the presence of the system file area.
*2 Assuming that each tracks is in the 128 kbps MP3/ WMA format with playback time of about 4 min.
*3 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.
*4 Audio data with variable bit rate (VBR) may sometimes go beyond the bit rate range of this unit. In this case, this unit cannot play the audio data.
*5 This unit is capable of recording/ playback of SD/SDHC memory cards complying with the SD or SDHC standard.
*6 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.

English

Glossary

DRM (Digital Rights Management):
Technology for protecting the copyright of digital audio and video data by limiting the number of duplications.

MP3:
An international data compression standard of MPEG, which is a working group in ISO (International Standardization Organization). It offers compression rates between about 1/10 and 1/12.

MSC (Mass Storage Class):
USB device type that is classified as a large-capacity storage device, the examples of which include a hard disk drive and CD drive.
When an MSC device is connected to a PC, the PC recognizes the device just like a removable disk, with which files can be exchanged easily using the standard drag & drop operation.

Tag data:
Information on each audio file, including the music title, artist name, album name and genre name.

WMA (Windows Media Audio):
An audio compressed encoding format developed by Microsoft Corporation. Also the extension used with audio files created using WMA.

Error messages

Message	Remedy
File system error	An error occurred in the file system of this unit. Format this unit (page 42).
Unsupported file	An attempt is made to play a file that is not supported by this unit. For the file formats supported by this unit, see <Specifications> (page 47).
No contents	This unit does not store a playable music file such as the ones transferred from the PC.
Please wait	The music information in the memory is being updated. Wait until the updating completes.
Low battery	The remaining battery capacity is low. Recharge the battery.
Recorded files are full.	The maximum number of files that can be managed with this unit is reached and no more recording is possible. If you want to record more files, delete the unnecessary files. (page 37)
Memory full	The memory is full and this unit cannot record more data. If you want to record more data, delete the unnecessary files. (page 37)
Clock not set	Recording is impossible unless the clock is set. Set the date and time. (page 11)
Can't divided	You attempted to divide a WMA-format file. Only the WAV-format files can be divided. (page 39)
	You attempted to divide a file other than a recorded file. A file can be divided only when it is a WAV-format file selected by selecting "Recorded" in the home screen. (page 39)

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English

Troubleshooting

In the case of a trouble such as the impossibility of switching this unit ON, spontaneous power shutdown or erroneous display, press the Reset button (page 8).
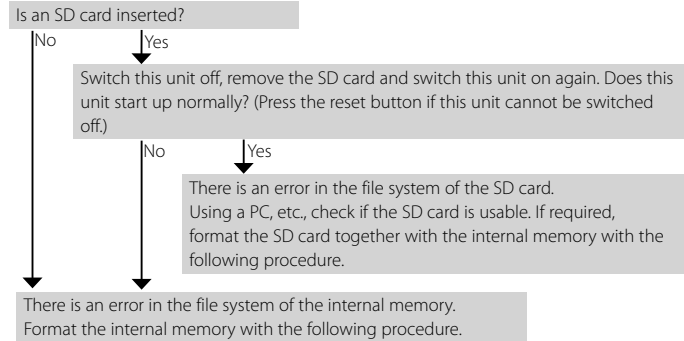For details, refer to the support information in our website by visiting:

http://www.kenwood.com/

Symptom	Remedy
Power cannot be switched ON or pressing a button does not start an operation.	The HOLD function is ON. Cancel the HOLD function with the HOLD switch on this unit (page 12).
	The battery is nearly exhausted. Connect the provided AC adapter to this unit to recharge the battery. (page 13)
	Press and hold the power button until this unit is switched on.
	This unit is being connected to the PC. This unit is inoperable when it is connected to the PC in the storage mode.
The remaining battery power drops soon after recharging.	The rechargeable battery is degraded. Replace it with a brand-new rechargeable battery. For the battery replacement, contact your nearest Kenwood service agent.
Audio is not heard.	Headphones are connected improperly. Connect headphones correctly to this unit.
Battery cannot be recharged.	USB cable is connected improperly. Check the connections on both this unit and PC sides.
	The ambient temperature is outside the operating temperature range. The battery should be recharged within the operating temperature range. (page 47)
PC does not recognize this unit.	USB cable is defective. Purchase and use another USB cable.
	This unit is connected to the PC improperly. Check the connection between this unit and PC.
Recording on the SD card, file movement on/from it or file deletion from it is impossible.	The LOCK switch on the SD card is set to the "LOCK" position. Unlock the write protection of the SD card. (page 5)

Symptom	Remedy
Recording from a line input is impossible.	A plug is connected to the microphone input. Do not connect anything to the microphone input terminal. (page 25)
Recording from an external microphone is impossible.	The PLUG IN POWER switch is set to OFF. A condenser microphone with the plug-in power compatibility needs an external power supply. Set the PLUG IN POWER switch to ON when using such a microphone. (page 25)
	A plug is connected to the line input. Do not connect anything to the line input terminal. (page 25)
Recording from the built-in microphones is impossible.	A plug is connected to the line input or microphone input. Do not connect anything to the line input and microphone input terminals. (page 25)
Only the left (Lch) audio of the external microphone can be recorded.	A monaural microphone is connected. When the connected microphone is monaural, set the microphone mode to "MONO". (page 26)
Message "Please wait" keeps on displayed.	An error occurred in the file system of this unit. Perform forced formatting of this unit. (page 50)
	The SD card contains a large number of files or folder levels. This unit checks all of the files in the SD card in the beginning, so it may take a long time if the SD card contains a large number of files.
This unit does not hold the conditions before the power is switched off.	The resume function does not work. An SD card is inserted. When an SD card is inserted, this unit checks the files in it so the resume function does not work.
	USB connection has been used. When USB connection is disconnected, this unit updates the internal database so the resume function does not work.

English

Forced formatting

When this unit displays a message such as "Please wait" and does not accept the user operation, there may be an error in the file system. In this case, perform forced formatting of this unit to return it to the default status.

Before forced formatting

Is an SD card inserted?

No   Yes

Switch this unit off, remove the SD card and switch this unit on again. Does this unit start up normally? (Press the reset button if this unit cannot be switched off.)

No   Yes

There is an error in the file system of the SD card.
Using a PC, etc., check if the SD card is usable. If required, format the SD card together with the internal memory with the following procedure.

There is an error in the file system of the internal memory.
Format the internal memory with the following procedure.

Forced formatting procedure

If an SD card is inserted, this procedure formats it together with the internal memory.

Caution

• Formatting results in deleting all of the files. The memory contents cannot be recovered once they have been formatted.

1. Switch this unit off.

Press and hold the power/menu button. If this unit cannot be switched off using the power/menu button, press the reset button. (page 8)

2. Forcefully format this unit.

While holding the volume ▽ button, press and hold the power/menu button.
The format confirmation screen will be displayed.

3. Select "Yes".

Press the I◄◄ or ►►I button to select "Yes".
Press the ►/■ button to start formatting.

4. Switch this unit off then on again.

First press and hold the power/menu button to switch this unit off. Then press and hold the power/menu button again to switch it on.

English

Notes on Disposal

Recycling the Built-in Battery

This unit uses a lithium ion rechargeable battery cell as the built-in battery. The lithium ion rechargeable battery is a recyclable resource. When disposing of the Transmitter, take out the built-in battery and bring it to your local recycling business.

WARNING

- **Do not heat excessively the built-in battery, open it, modify it or throw it in fire or water.**
  Excessive heat generation, explosion or fire ignition may cause a fire.
- **Do not leave the built-in battery near fire or under direct sunlight.**
  A fire, explosion or excessive heat generation may result.
- **Attach insulating tape on the connectors of the built-in battery.**
  A fire or explosion may result if the battery electrodes are short-circuited.
- **Do not leave the built-in battery within the reach of children.**
  Injury or other accidents may result.
- **If the built-in battery fluid leaks and enters your eyes, immediately rinse your eyes with fresh water and call a doctor.**
 If the fluid is left in your eyes, an eye injury may result.

Removing the Rechargeable Battery (Built-in Battery) Before Disposal

IMPORTANT:

Never attempt to open this unit besides when disposing of it.
For replacement of the built-in battery, contact your nearest Kenwood service agent.

① Open the SD card cover.
② Remove the 2 screws from the panel using a precision Phillips screwdriver (+).
③ Slide and remove the front case of this unit.
④ Disconnect the built-in battery connector and 3 microphone connectors.

⑤ Using a precision screwdriver (+), remove the 3 screws and remove the circuit board.
⑥ Using the precision screwdriver (+), remove 2 screws and remove the built-in battery mount.
⑦ Take out the built-in battery.
⑧ Attach a piece of insulating tape on the connector at the end of the cable from the built-in battery, and put it in a plastic bag, etc.
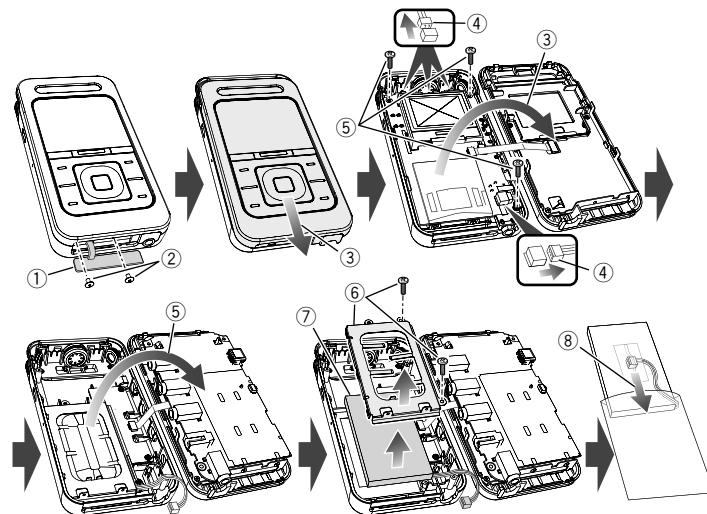
MEMO
- Remove the built-in battery after having confirmed that it is completely discharged.
- Once the built-in battery is disconnected, do not attempt to reconnect it to the connector on the circuit board.
- Bring the removed built-in battery to a rechargeable battery recycling business as early as possible.

English

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