

# KENWOOD

DIGITAL AUDIO PLAYER

## M1GC7

## INSTRUCTION MANUAL

Kenwood Corporation



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## Safety precautions

### **Caution:**

Read this page carefully to ensure safe operation.

### **WARNING :**

TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

## ***IMPORTANT SAFETY INSTRUCTIONS***

**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.

**1. Powersources** – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

**2. Enclosure removal** – Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.

**3. Drop** – Do not drop the unit or apply strong shock to it. (Damage due to dropping the unit is not covered by the warranty.)

**4. Ventilation** – Avoid hindering the ventilation of the appliance by covering it with a cloth, etc.

**5. Abnormal smell** – If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service center.

**6. Heat** – Avoid placing the appliance under direct sunlight or near a source of heat such as heating equipment. Particularly, never leave it in an automobile or on the dashboard.

**7. Temperature** – The appliance may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5°C (41°F).

**8. Water and moisture** – The appliance shall not be exposed to dripping and splashing — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc. Do not place an object containing liquid, such as a flower vase, on the appliance.

**9. Dust and moisture** – Avoid places where is dusty or where the humidity is high.

**10. Vibrations** – Avoid placing the appliance on an unstable place such as a shelf or in a place subject to vibrations.

**11. Magnetic fields** – Keep the appliance away from sources of magnetic fields such as TV sets, speaker systems, radios, motorized toys or magnetized objects.

**12. Cleaning** – Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzine, etc. to clean the cabinet. Use a clean dry cloth.

**13. Nonuse periods** – The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.

**14. Damage requiring service** – The appliance should be serviced by qualified service personnel when :

- A.** The power-supply cord or the plug has been damaged.
- B.** Objects have fallen, or liquid has been spilled into the appliance.
- C.** The appliance has been exposed to rain.
- D.** The appliance does not appear to operate normally or exhibits a marked change in performance.
- E.** The appliance has been dropped, or the enclosure damaged.

**15. Servicing** – The user should not attempt to service the unit beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

## Safety precautions

### 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.

### ***Information on Disposal of Old Electrical and Electronic Equipment (applicable for EU countries that have adopted separate waste collection systems)***



Products with the symbol (crossed-out wheeled bin) cannot be disposed as household waste.

Old electrical and electronic equipment should be recycled at a facility capable of handling these items and their waste byproducts.

Contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

## Operating Precautions

### Handling

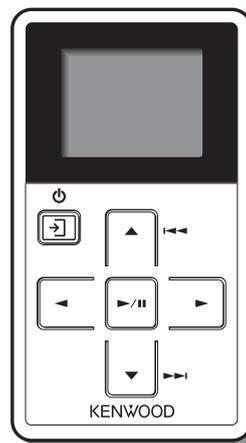
- Do not apply an excessive force to the display part. Otherwise, it may be damaged.
- Avoid storing the player in a bag together with a hard object. Otherwise, the player may be damaged when the bag is pushed.
- Do not expose the player to an insecticide or other volatile substance or bring the player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

### Maintenance of the unit

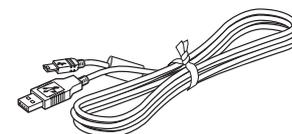
When the front panel or case becomes dirty, wipe with a soft, dry cloth.

Do not use thinner, benzene, alcohol, etc. for these agents may cause discoloration.

## Unpacking



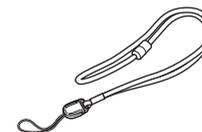
Player (main unit)



USB cable



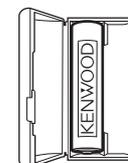
Headphones



Strap

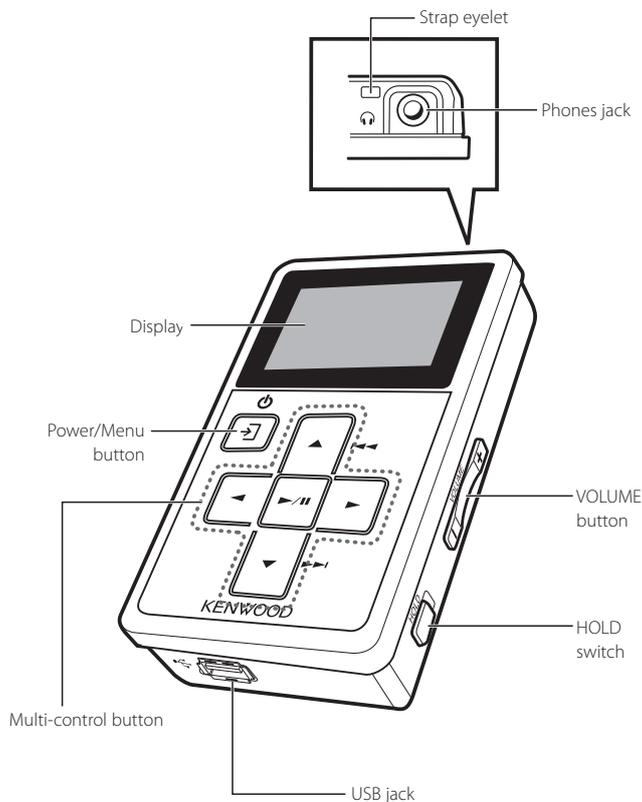


Quick start manual



Rechargeable battery

# Names and functions of parts



## ⏻/☰ Power/Menu button

- Press shortly to open the pop-up menu. Pressing the button again closes the pop-up menu.
- Press and hold to switch the power ON/OFF.
- Press when the display is turned off (screen saver mode) to turn on the display.

## Multi-control button

### ▲ 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.
- Also used for tuning stations during FM broadcast reception.

### ▼ 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.
- Also used for tuning stations during FM broadcast reception.

### ◀ 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.
- Also used to hide a pop-up menu.

### ▶ Right button

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

### ▶/|| Play/Pause button

- Press to play a track or let it pause.
- Press while the menu is displayed to enter a selected item.
- Also used to switch the tuning mode during FM broadcast reception.

## VOLUME button

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

## HOLD switch

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

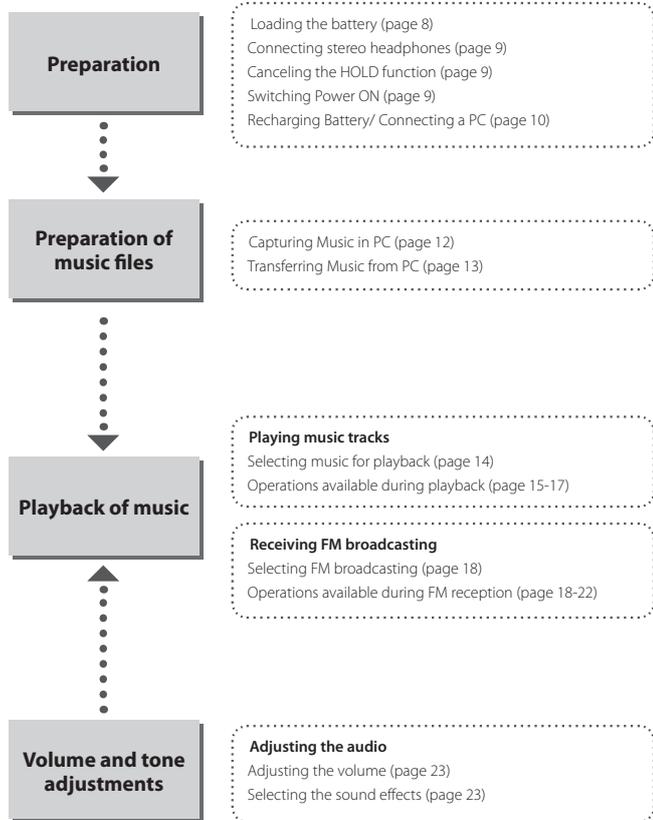
## Phones jack

- Connect the provided stereo headphones.

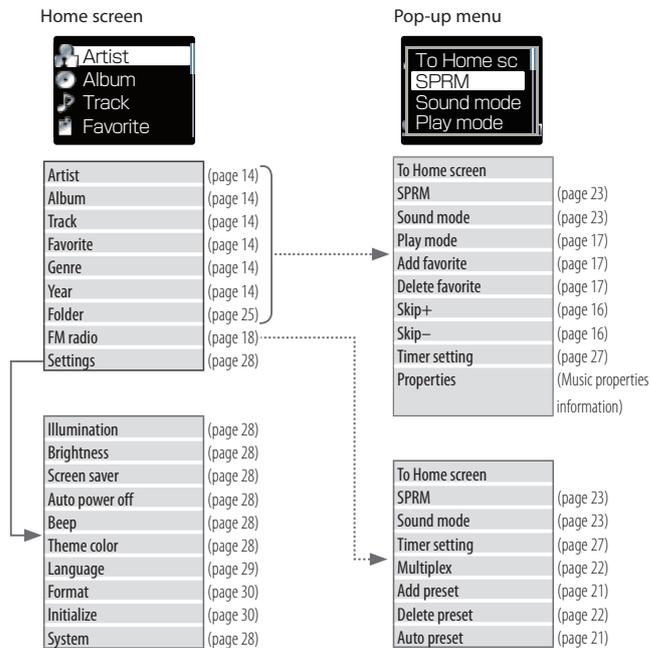
## USB jack

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

# Flow for music playback



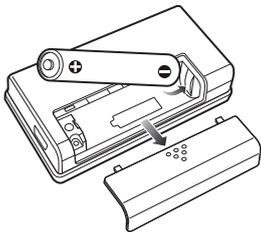
# Screen display items



## Loading the battery

Insert the provided rechargeable battery in the Player.

A commercially available AAA (LR03) size alkaline battery can also be used.



### **⚠ WARNING**

If the alkaline fluid of the battery enter your eyes, immediately rinse with abundant water and see the doctor. Otherwise, loss of vision or injury may result.

### **⚠ CAUTION**

When inserting the battery, always fit the ⊖ end first. Do not insert the battery by force, as this may break the battery coating and cause short-circuiting, burst, fluid leak and/or burns.

### Caution on use of rechargeable battery (NiMH rechargeable battery NB-3A90)

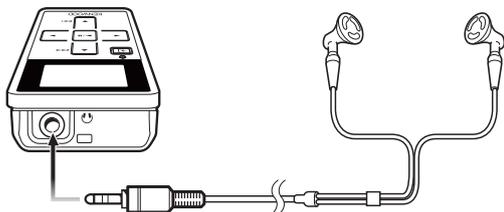
- The Player is powered by a NiMH (Nickel Metal Hydride) rechargeable battery. As the rechargeable battery discharges spontaneously even when it is not used, it should be recharged at least every other month.
- The rechargeable battery can be recharged for up to about 300 times.
- When the operation time reduces even after full recharging, replace the rechargeable battery with new one. (Please purchase the optional NB-3A90.)
- A small amount of current flows through the Player even when the Power switch is set to OFF. Remove the rechargeable battery when the Player is not to be used for a long period of time.
- The rechargeable battery may warm during recharging or use, but this is not malfunction.



- Before using the battery, connect the Player to the PC and fully recharge the battery.
- If  (white) is displayed, connect the Player to the PC to recharge the battery.
- Always use the NB-3A90 rechargeable battery that is provided but also available optionally. Never attempt to recharge a battery other than the dedicated battery from Kenwood.
- If you use a dry cell battery, use an alkaline battery. Normal operation may not be possible if a manganese battery is used.

## Connecting stereo headphones

Connect the provided stereo headphones to the Player.

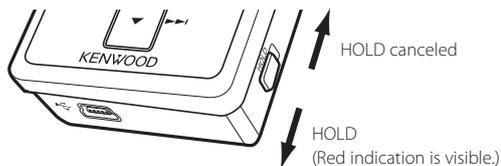


• The headphones also play the role of an antenna. Always connect them when receiving FM broadcasting.

## HOLD function

The HOLD function defeats all of the Player's buttons and helps prevent erroneous operation when the Player is carried in a bag, etc.

The HOLD function should be canceled before using the Player.



• When the HOLD function is switched on and the display is in the screen saver mode, the Power/Menu button blinks twice every 5 seconds.  is displayed when the display is turned on.

## Switching Power ON/OFF

1

### Switch the Player ON.



Press and hold the Power/Menu button until the KENWOOD logo is displayed.  
The Player enters the mode before the last time it was switched OFF.

2

### Switch the Player OFF.



Press and hold the Power/Menu button until the display is turned off.



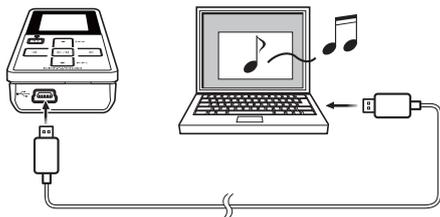
• The display is turned off automatically when the Player has not been operated for a certain period of time (screen saver mode). The Power/Menu button blinks every 5 seconds in the screen saver mode. The time until the screen saver mode is activated can be changed (page 28).

# Recharging Battery/ Connecting a PC

Connect the Player to a PC to transfer music from the PC to the Player and to recharge its battery.

## Recharging Battery/ Connecting a PC

Using the provided USB cable, connect the Player to a PC.



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

## PC system configuration requirements

OS	Microsoft® Windows® XP/2000
USB connector	Compliant to USB 1.1/2.0 standard (USB 2.0 recommended)



- All of the above specified PC environment does not guarantee full operation of the Player.
- 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.

The Player and PC can be connected in either connection mode below.

### • Storage

Mode for data transfer and battery recharging. The Player cannot be operated while it is connected in this mode.

### • Player

Mode for operating the Player for playback, etc., while recharging the battery. Data transfer from the PC is not available in this mode.

1

### Connect the Player to a PC.

See page 10.

2

### Select the connection mode.



## Recharging and battery indication

	(White)	Shows the remaining power of the battery.
	(Red)	Indications during recharging.
	(White)	The battery is nearly exhausted. Recharge it if it is rechargeable.
	(Red)	The battery is not inserted or not rechargeable.
	(ON)	The indicator lights during recharging.
	(OFF)	The indicator is extinguished when recharging completes.

Recharging completes in about 3 hours.



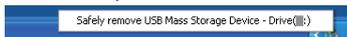
- The Player can recharge only the NB-3A90 rechargeable battery that is provided but also available optionally. Never attempt to recharge a battery other than the dedicated battery from Kenwood.

## Disconnecting the Player from the PC

1 Click the [Safe To Remove Hardware] icon.



2 Click [Safely remove USB Mass Storage Device].



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



• If the connection mode is the Player mode, simply unplug the USB cable from the PC.

# Capturing Music in PC

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

## The Player can play the following three types of music files.

- MP3 (\*.mp3) : MPEG-1 Audio Layer-3

Sampling frequency	44.1 KHz
Transfer bit rate	64k – 320 kbps
Variable Bit Rate (VBR)	64k – 320 kbps
ID3 tag	Ver. 2.2/ 2.3/ 2.4

- WMA (\*.wma) : Windows Media Audio

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

- WAV (\*.wav) : WAVE file (PCM)

Sampling frequency	44.1 KHz
Bit count	16 bit
Channel	Stereo/Monaural



- For the operating procedures of software including the Windows Media Player 10/9, 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 10/9, transferring the music file to the Player is limited only to the Windows Media Player 10/9. 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 10/9 to confirm that the genre, artist name, album title and track title are set correctly.

## Using Windows Media Player 10/9

A music CD can be ripped into the PC using the Windows Media Player 10/9.  
(The following steps describes the operation with the Windows Media Player 10)

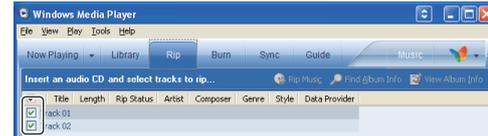
### 1 Launch the Windows Media Player.

### 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.



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

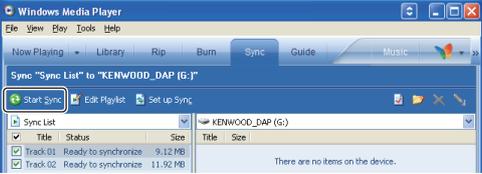


# Transferring Music from PC

The obtained music files can then be transferred to the Player.

## Using Windows Media Player 10/9

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

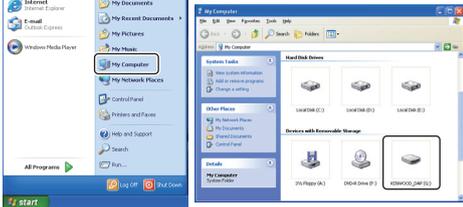
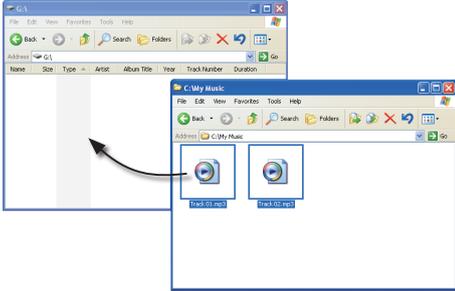
- 1 Connect the Player to a PC.**
- 2 Launch the Windows Media Player.**
- 3 Click the [Sync] button on the top.**
- 4 Select the removable disk (KENWOOD\_DAP) corresponding to this Player.**
- 5 Add the music files to be transferred in the Sync List.**
- 6 Click the [Start Sync] button.**

## 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 (expressed as [KENWOOD\_DAP] on Windows). Copy & paste can also be used for data transfer.

- 1 Open the removable disk corresponding to this Player.**

Click [Start] – [My Computer] – [KENWOOD\_DAP].


- 2 Open the folder storing the desired music file.**
- 3 Drag & drop the music file into the removable disk.**

# Selecting music for playback

Select and play the desired track.

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

When a major item is selected, the list of intermediate items located below it is displayed. Press the Play/Pause button when the item to be played (Track or item name) is displayed starts its playback.

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.

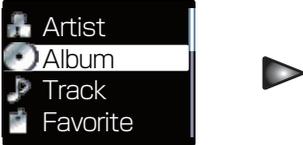
**1 Connect headphones and switch the Player ON.**  
See page 9.

**2 Open the home screen.**  
Press and hold the Left button until the home screen appears.

**3 Select a major item ("Album", for example).**  
Press the Up/Down button to move the cursor to the desired item.



**4 Select a major item ("Album", for example).**  
Press the Right button to enter the selection. The list for the major item (intermediate items) is displayed.



**5 Select an intermediate item ("Album 2", for example).**



**6 Select an intermediate item ("Album 2", for example).**  
If the Play/Pause button is pressed now, all of the tracks in the selected intermediate item will be played. For example, pressing the Play/Pause button after selecting an album plays all of the tracks in that album.



**7 Select a track ("Track 2", for example).**



## Selecting music for playback

### 8 Play a track ("Track 2", for example).



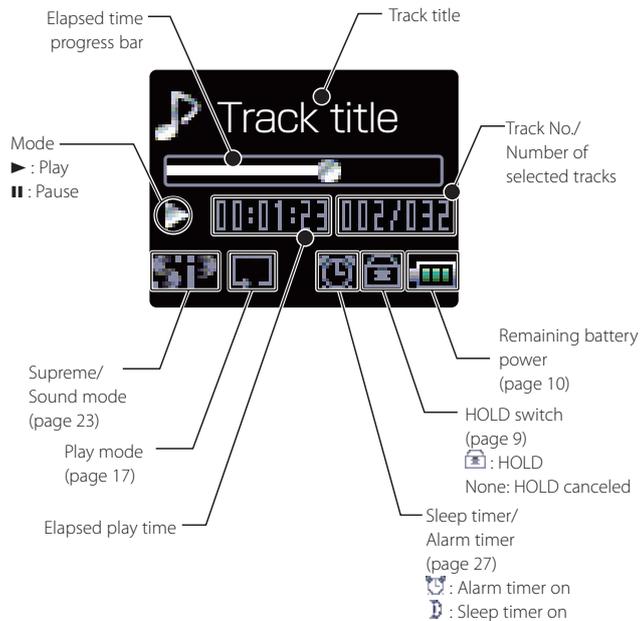
Playback starts with the track selected in step 7 of the intermediate item selected in step 6. In this example, playback starts with "Track 2" in "Album 2".



- A track that does not contain tag information is classified as "Unknown".
- If you commit a mistake and want to reselect an item, press the Left button to return to the previous item.
- To restart the selection from the beginning, press and hold the Left button to return to the home screen.
- In this page, the "selection" and "entry" are described in two steps (steps 3 and 4, for example). From the subsequent pages, these operations will be described in a single step.

## Display during playback

The display shows various information during playback.



# Operations available during playback

**Power/Menu button**  
Displays the pop-up menu. Press in screen saver mode to turn the display on.

**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.  
**Pause 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.

**Left button**  
Displays the previous list.

**Play/Pause button**  
**Play mode:**  
Lets playback pause temporarily.  
**Pause mode:**  
Resumes playback.

**Down button**  
**Play mode:**  
Each press plays the next track (Skip-up). Press and hold to fast forward the music.  
**Pause 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.

## To skip an item:

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

<b>Artist skip</b>	Skips to the tracks of the next (Artist skip+) or previous (Artist skip-) artist.
<b>Album skip</b>	Skips to the tracks of the next (Album skip+) or previous (Album skip-) album.
<b>Genre skip</b>	Skips to the tracks of the next (Genre skip+) or previous (Genre skip-) genre.
<b>Year skip</b>	Skips to the tracks of the next (Year skip+) or previous (Year skip-) year of release.

The item to be skipped is determined according to the item used to select the track being played. (page 14)

- Open the pop-up menu during playback.**
- Select "Artist skip+" or "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 Player switches OFF automatically after it has been left in pause mode for a certain period of time (Auto Power-OFF). The time until Auto Power-OFF occurs can be changed (page 28).
  - When the pop-up menu is opened in the middle of playback and "Properties" is selected, the properties information on the track being played is displayed.

## Various play modes

One of the following six play modes can be selected.

Off	Playback stops after having played the tracks in the list.
Repeat one	Playback of the same track repeatedly.
Random	Playback of all of the tracks in the list in a random order, playing every track once.
Repeat	Playback of all of the tracks in the list repeatedly.
Repeat random	Repeated playback of all of the tracks in the list in a random order.
Intro	Playback of the introduction parts of all of the tracks in the list, playing the first 10 seconds of every track.

The tracks in the list vary depending on the item used for selecting the track being played. (page 14)

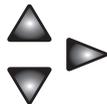
### 1 Display the pop-up menu.



Press during playback.



### 2 Select "Play mode".



### 3 Select the desired play mode.



## Favorite

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

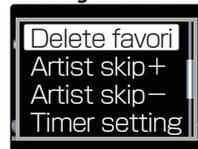
### 1 Play a track you like and open the pop-up menu.



### 2 Select "Add favorite".



### 3 To deregister a track from the favorite tracks...



Play the track, open the pop-up menu and select "Delete favorite".



- To play only the favorite tracks, open the home screen and select "Favorite".
- Up to 30 tracks can be registered as favorite tracks.

## Selecting FM broadcasting

The Player can be used to receive FM broadcasting.

- 1 Open the home screen.**



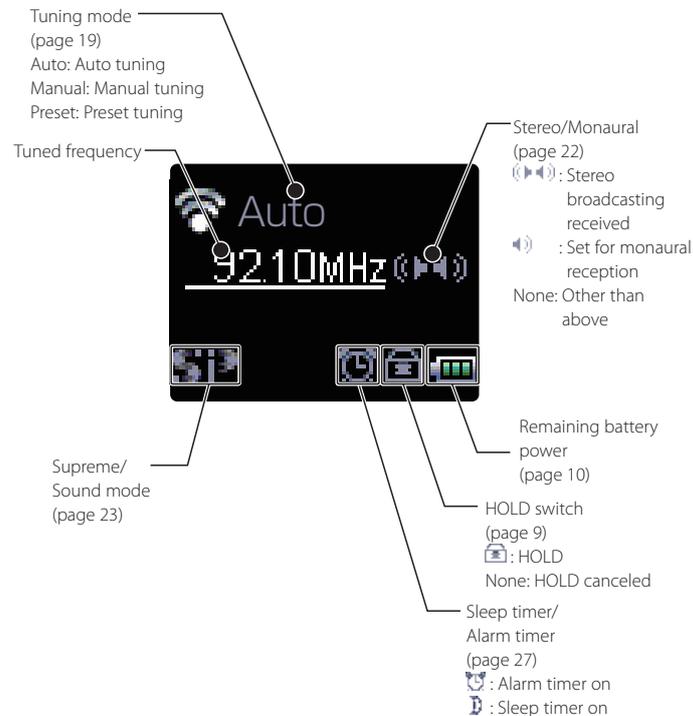
Press and hold the Left button until the home screen appears.
- 2 Select the FM radio mode.**





## Display for FM reception

The FM radio display shows various information.



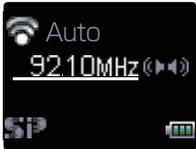
• The headphones also play the role of an antenna. Always connect them when receiving FM broadcasting.

# Tuning a FM station

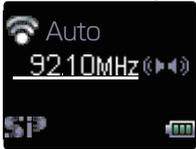
## Auto tuning

Tunable FM stations can be searched automatically.

- Select the auto tuning mode.**



Each press of the button switches the tuning mode in order of "Auto" → "Manual" → "Preset".
- Start auto tuning.**



▲ : Auto tuning by decreasing frequencies.  
 ▼ : Auto tuning by increasing frequencies.

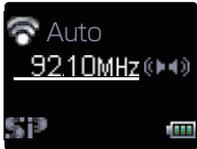


• The default tuning mode set before the Player left the factory is "Auto".

## Manual tuning

FM stations can be searched manually.

- Select the manual tuning mode.**



Each press of the button switches the tuning mode in order of "Auto" → "Manual" → "Preset".
- Start manual tuning.**



▲ : Decreases frequencies.  
 ▼ : Increases the frequency.  
 Pressing and holding the Up or Down button varies the tuned frequency continuously.



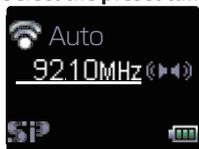
• The default tuning mode set before the Player left the factory is "Auto".

## Tuning a FM station

### Preset tuning

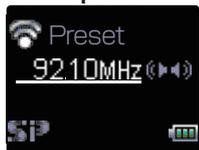
FM stations can be preset and recalled later.

#### 1 Select the preset tuning mode.



Each press of the button switches the tuning mode in order of "Auto" → "Manual" → "Preset".

#### 2 Select a preset number.



▲: Recalls the previous preset number.  
▼: Recalls the next preset number.



- For the method of presetting stations, see pages 21 and 22.
- The default tuning mode set before the Player left the factory is "Auto".

# Presetting FM stations

## Presetting by auto tuning

The following steps makes it possible to search the FM stations with good reception conditions automatically and preset them together. (Auto preset)

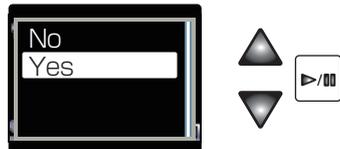
### 1 Display the pop-up menu.



### 2 Select "Auto preset".



### 3 Select "Yes".



FM stations with good reception conditions are preset one after another.

## Presetting by manual tuning

The following steps make it possible to preset FM stations individually in desired preset numbers so that the preset stations can later be recalled using the preset numbers. (Manual preset)

### 1 Tune the desired FM station.

See page 19.

### 2 Display the pop-up menu.



### 3 Select "Add preset".



### 4 Select a preset number.



With preset numbers in which no FM station are registered, "---- MHz" is displayed in the center line. With preset numbers in which FM stations are registered, the frequencies of the preset station are displayed in the center lines.

## Presetting FM stations

### Deregistering a preset FM station

Preset FM stations can be deregistered as follows.

- 1 Select the "Preset" tuning mode and select the preset number.

See page 20.

- 2 Display the pop-up menu.



- 3 Select "Delete preset".



- 4 Select "Yes".



## Monaural reception

Stereo broadcasting can also be received in monaural.

When the reception condition of an FM station is poor, the reception can sometimes be improved and noise reduced by receiving it in monaural.

- 1 Display the pop-up menu.



- 2 Select "Multiplex".



- 3 Select "Mono".



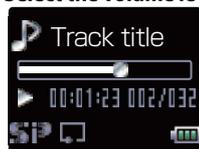
- To return to auto stereo reception, select "Auto stereo" in step 3.
- The default tuning mode set before the Player left the factory is "Auto stereo".

# 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 or WMA audio compression.
Sound mode	NORMAL		Playback in normal tone.
		BASS/ POPS/ ROCK/ JAZZ/ DANCE/ VOICE	Playback in a tone matching the genre of music.
		CUSTOM	Desired tone can be set using a 5-band custom equalizer.

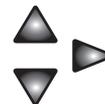
### 1 Open the pop-up menu.



Open from the playback screen or FM reception screen.

To select "SPRM":

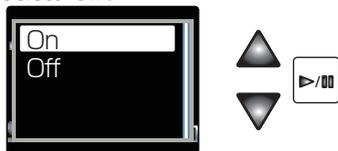
### 2 Select "SPRM".



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.

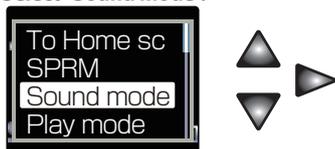
## Volume and tone adjustments

## 3 Select "On".



## To select "Sound mode":

## 2 Select "Sound mode".

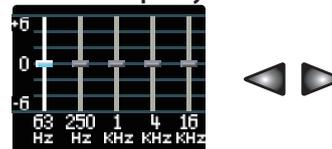


## 3 Select the desired sound mode.



## To select "CUSTOM":

## 4 Select the frequency band to be adjusted.



## 5 Set the response level.



Set the response levels of other frequency bands by repeating steps 4 and 5 for each.

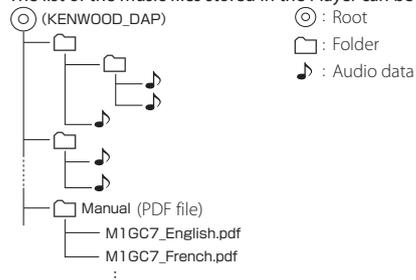
## 6 Enter the selection.



- 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.

# Viewing files

The list of the music files stored in the Player can be displayed.



## 1 Select "Folder".



## 2 Select the folder in the lower level.



A list of music files in the selected folder will be displayed.



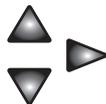
• The folder configuration below "Folder" is variable depending on the situations of use and the number of hierarchical levels is also variable. As a result, when viewing the list of folders, it may be necessary to repeat step 2 according to the number of hierarchical levels.

## Deleting tracks

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

1

Select "Folder".



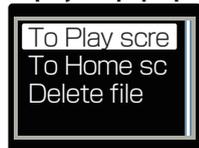
2

Select the track (music file) to be deleted.



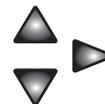
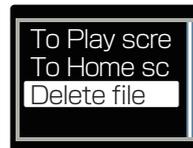
3

Display the pop-up menu.



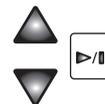
4

Select "Delete file".



5

Confirm the selection.



- Once deleted, the music file cannot be restored again. Be cautious when deleting a music file.
- The music files can also be deleted from the PC.

# Sleep timer and alarm timer

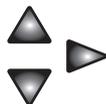
The sleep timer makes it possible to switch the Player OFF after the set period of time. The alarm timer makes it possible to generate an alarm (beep tone) after the set period of time.

## 1 Display the pop-up menu.

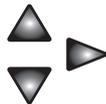


Open from the playback screen or FM reception screen.

## 2 Select "Timer setting".



## 3 Select the timer to be set.



## 4 Specify the timer period.



Set in the range from 1 to 120 minutes, in 1-minute steps.

## 5 Activate the timer.



- To deactivate the timer, select "Off" in step 3.
- 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 the Player is switched OFF.

## Various setups

The functions such as the button illuminations, display resume function and Auto Power OFF function can be set up as required.

- 1 Open the home screen.**



Press and hold the Left button until the home screen appears.
- 2 Open the Settings menu.**


- 3 Select the item to be set.**



To decrease the display brightness, for example, select "Brightness" to view its options.
- 4 Select the desired option.**



After the desired option is set, the Settings menu appears again.  
Pressing the Left button returns to the previous display without selecting an option.

## Function items that can be set

### • Button illumination brightness (Illumination)

Select the brightness level of the indicators for the buttons.

High*	High
Mid	Medium
Low	Low
Off	Extinguished

(\* indicates the factory setting.)

### • Display brightness (Brightness)

Select the brightness level of the display panel.

High	High
Mid*	Medium
Low	Low

(\* indicates the factory setting.)

### • Display power-save setting (Screen saver)

Select the time until the display is turned off when no operation is performed.

3sec/5sec/10sec*/30sec/60sec
------------------------------

(\* indicates the factory setting.)

### • Auto power off

Select the time until the Player is switched OFF when no operation including playback is performed.

1min/3min/5min*/10min
-----------------------

(\* indicates the factory setting.)

### • Operation tone (Beep)

Select whether or not a beep is generated when a button is pressed.

On*	Generates a beep.
Off	Does not generate a beep.

(\* indicates the factory setting.)

### • Display theme color

Select one out of 4 colors for display illumination.

### • Language

Select the language used for the displayed menus, etc.

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

(\* indicates the factory setting.)

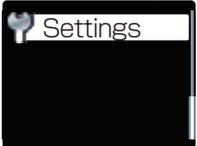
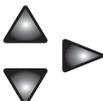
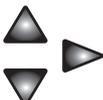
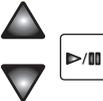
### • System information

The system information of the Player (available memory capacity, total memory capacity, total number of files, model ID and version No.) is displayed.

Press the Play/Pause button to hide the system information display.

# Setting the menu language

Select the language used for the display.

- 1 Open the home screen.**  
 Press and hold the Left button until the home screen appears.
- 2 Open the Settings menu.**  
  Select "Settings".
- 3 Open the language list.**  
  Select "Language".
- 4 Select the language.**  
  Select the desired language.

# Initialization/Formatting

Formatting can be used to delete all of the music and other files stored in the Player. Initialization resets the settings made using the Settings menu, etc. to the default settings made at the factory.

## Caution

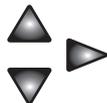
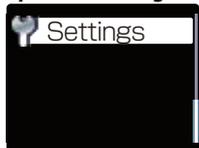
- Formatting deletes all of the files in the Player. It also deletes demonstration music, which cannot be restored later. It does not alter the settings made with the Settings menu.
- Initialization resets the Settings menu to the default settings. It does not delete music files, etc.
- Once formatted, the memory cannot be restored to the previous condition. Be cautious when performing formatting.

### 1 Open the home screen.



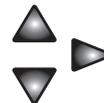
Press and hold the Left button until the home screen appears.

### 2 Open the Settings menu.



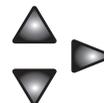
### 3

#### Select "Format" or "Initialize".



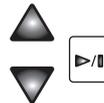
### 4

#### Select "Yes".



### 5

#### Reconfirm and select "Yes".



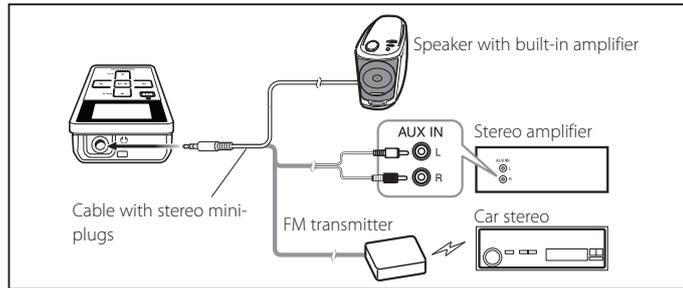
- The Player (represented as "KENWOOD\_DAP" on Windows) can also be formatted from the PC. Use the "FAT32" file system in formatting from the PC.

# Connection of external components

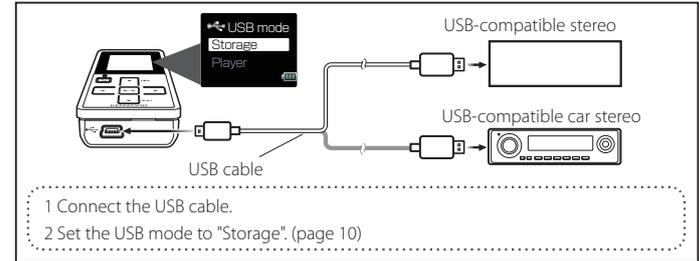
The headphone jacks can be used to connect an external component such as a speaker with built-in amplifier.

The USB connector can be used to connect an external component such as a stereo set with USB capability.

## Connecting to the headphones jack



## Connecting to the USB connector



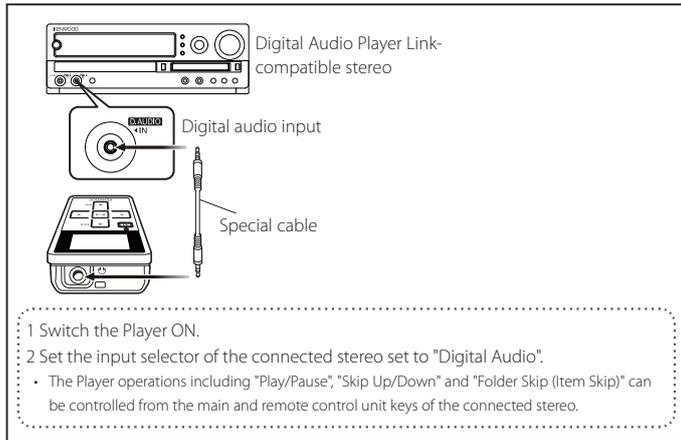
- Prepare an optimum audio cable (commercially available) according to the input terminal of the connected external component.
- Noise may be interfered depending the installation environment, including the vehicle model, devices in the surroundings and the antenna positioning.
- Do not use or leave the Player or connected component in an automobile compartment with high temperatures. Otherwise, equipment failure may result.



- For the operating procedure and the playable files, read the instruction manual for the connected stereo set.
- Do not use or leave the Player or connected component in an automobile compartment with high temperatures. Otherwise, equipment failure may result.

# Digital Audio Player Link

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



\* Examples of Digital Audio Player Link-compatible stereo models  
: AX-7, K-501USB (as of October 2006)

# Glossary

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## 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.

## WAV:

The extension used with the Windows standard non-compressed audio files.

## WMA (Windows Media Audio):

An audio compressed encoding format developed by Microsoft Corporation. Also the extension used with audio files created using WMA.

## Tag data:

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

## DRM (Digital Rights Management):

Technology for protecting the copyright of digital audio and video data by limiting the number of duplications.

# Error messages

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Message	Remedy
System error	An error occurred in the operation of the Player. Consult your Kenwood dealer.
File system error	An error occurred in the file system of the Player. Format the Player (page 30).
Unsupported file	An attempt is made to play a file that is not supported by the Player. For the file formats supported by the Player, see "Specifications". (page 35)
No preset station	No FM station is preset. Preset FM stations before using preset tuning.
No contents	The Player does not store a playable music file such as the ones transferred from the PC.

# Troubleshooting

The Player can often be recovered using the PC.

Try recovery from the PC in case of a trouble, for example, when the Player cannot be switched ON, it switches OFF spontaneously or the display is erroneous.

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 the Player (page 9).
	The battery is nearly exhausted. Recharge it if it is rechargeable or replace it if it is an alkaline battery.
	The Player is being connected to the PC. The Player 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.
Audio is not heard.	Headphones are connected improperly. Connect headphones correctly to the Player.
Battery cannot be recharged.	USB cable is connected improperly. Check the connections on both the Player and PC sides.
	The rechargeable battery in use is not the dedicated battery. The rechargeable battery usable with the player is only the provided battery or the optionally available NB-3A90.
	The player is connected to a USB hub. The player does not function if connected to a bus power type USB hub. Connect the player directly to the PC or to a self-powered USB hub.

PC does not recognize the Player.	The Player is connected to the PC in the player mode. Select the storage mode.
	USB cable is defective. Purchase and use another USB cable.
	The Player is connected to the PC improperly. Check the connection between the Player and PC.
FM stations cannot be tuned.	The player is connected to a USB hub. The player does not function if connected to a bus power type USB hub. Connect the player directly to the PC or to a self-powered USB hub.
	Headphones are not connected. The headphones play the role of an antenna and must be connected for FM reception.

# Specifications

## Built-in flash memory

: 1 GB \*1

## Headphone output

: 3.5 mm stereo mini jack  
: 4.5 + 4.5 mW/ 16 Ω

## Interface

: USB 2.0 (USB 1.1 compatible)

## Display

: 1.1 inch 256 colors OLED

## Main unit dimensions (W × H × D)

: 37.0 mm × 67.0 mm × 15.5 mm  
(1-7/16 × 2-5/8 × 5/8 inch)

## Weight (Net)

: Approx. 31 g (without battery)  
(Approx. 0.07 lbs)  
: Approx. 44 g (including battery)  
(Approx. 0.10 lbs)

## Battery type

: AAA size Ni-MH rechargeable  
battery

: AAA (LR03) size alkaline battery

## Battery operation time \*2

### Rechargeable battery operation

Continuous play time

MP3 (128 kbps)

: Approx. 10 hours

WMA (64 kbps) : Approx. 8 hours

Continuous FM broadcasting  
reception time : Approx. 5.5 hours

### Alkaline battery operation

Continuous play time

MP3 (128 kbps)

: Approx. 11 hours

WMA (64 kbps)

: Approx. 8.5 hours

Continuous FM broadcasting  
reception time : Approx. 5 hours

## Playback format

### MP3

Sampling rate: 44.1 kHz

Bit rate: 64 - 320 kbps

Variable bit rate: 64 - 320 kbps

ID3 tag: ver. 2.2/ 2.3/ 2.4

### WMA (DRM compatible)

Sampling rate: 44.1 kHz

Bit rate: 32 - 320 kbps

Variable bit rate: 32 - 355 kbps

### WAV

Sampling rate: 44.1 kHz

Bit count: 16 bit

Channel: Stereo/Monaural

## Maximum number of files

: 3000

## Maximum number of folders

: 4000

## Max. recording time/ tracks \*3

: Approx. 32 hours/ Approx. 480  
tracks

## FM receiver

Frequency range (50 kHz space)

: 87.50 MHz – 108.00 MHz

Channel: Stereo/Monaural

Preset stations: 32

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

\*1 One GB (gigabytes) is equal to 1,000,000,000 bytes. The actual capacity after formatting may be smaller than the nominal capacity.

\*2 Using the provided headphones, Supreme "Off", Sound mode "NORMAL".

\*3 Assuming that each track is in the 64 kbps WMA format with playback time of about 4 min.

## Trademark Information

- "Microsoft" and "Windows Media" are trademarks or registered trademarks of Microsoft Corporation in the USA and other countries.
- "Adobe Reader" is a trademark of Adobe Systems Incorporated.

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**KENWOOD**