

Digital Music Player  
NW-A45/A45HN/A46HN/A47



Use this manual when you have trouble or when you need to know how to use your WALKMAN®.

The color of Walkman sold in some countries/regions may differ from those shown above.

This Help Guide is also available as a PDF, which can be downloaded [here](#).

**The following contents have been added to this “Help Guide” according to the updates of the Walkman software version 1.10 and later.**

aptX HD has been added to the compatible Bluetooth codec.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

[Getting Started](#)

[Customer registration websites](#)

[Before first use](#)

[Walkman manuals and general information](#)

[Checking the contents of the package](#)

## Using the supplied accessories

Switching the earbuds >

Attaching the clip >

Configuring the initial setup

Installing Music Center for PC (Windows)

Installing Content Transfer (Mac)

## Power/Charging

Turning the Walkman on or off

Preventing unintentional operations (HOLD)

Charging the battery

Extending the battery life

Notes on charging the battery

## microSD Cards

Using a microSD card

Notes on microSD cards

## Basic Operations

Parts and controls

Screen operations

How to use the various screens on the Walkman >

Library screen >

Playback screen >

Play Queue screen >

Bookmark List screen >

Sound quality setting screens >

FM Radio screen >

Language Study screen >

USB-DAC screen >

List of icons displayed in the information area

Adjusting the volume

Volume operation in compliance with European and Korean Directives

## Browsing the operating guide

### Transferring Music

#### Preparing music content

#### Purchasing High-Resolution Audio content

#### Using a Windows computer

- └ Transferring content from a Windows computer using Music Center for PC >
- └ Transferring content using Windows Explorer >
- └ Importing content from the Walkman to Music Center for PC >
- └ Transferring language study content from a Windows computer using Music Center for PC >
- └ Transferring language study content using Windows Explorer >

#### Using a Mac computer

- └ Transferring content from a Mac computer using Content Transfer >
- └ Transferring content using Mac Finder >
- └ Transferring language study content using Mac Finder >

#### Adding lyrics information using a computer

#### Notes on transferring content from a computer

### Playing/Organizing/Deleting Music

#### Playing music

#### Playback methods

#### Using [SensMe™ Channels]

#### Displaying lyrics

- └ Obtaining lyrics information >
- └ Displaying lyrics >

#### Managing playlists on the Walkman

#### Managing bookmarks on the Walkman

#### Deleting tracks from the Walkman

### Various Functions

#### Enjoying music through a wireless connection

- └ Connecting the Walkman to an unpaired Bluetooth device for the first time >
- └ Connecting the Walkman to a paired Bluetooth device >

- └ One-touch connections with a Bluetooth device (NFC) >
- └ Configuring the Bluetooth function >
- └ Notes on the Bluetooth function >

Enjoying music content on a computer with Walkman sound quality (USB-DAC function)

Adjusting the sound quality settings

Using the Noise Canceling function

Monitoring ambient sound while playing music (Ambient Sound Mode)

- └ What is Ambient Sound Mode? >
- └ Using Ambient Sound Mode >

Using the [Clear Phase™] function

Using useful functions for language learning

- └ Preparing language study content >
- └ Using the language study function >

FM Radio

- └ Listening to FM radio broadcasts >
- └ Presetting FM radio stations >

Using USB Mass Storage mode

Restarting / Formatting / Initializing

- └ Restarting the Walkman >
- └ Resetting/Formatting/Initializing the Walkman >
- └ Formatting a microSD card >

Version information/System updates

- └ Checking information on the Walkman >
- └ Updating the Walkman system software >

Using shortcut buttons from the quick setting panel

Settings menu

Announcement

Notes on handling the Walkman

Notes on the headphones

Notes on the built-in battery

[Notes on the software](#)

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[Notes on the sample data](#)

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[General Information](#)

---

[Maintenance](#)

---

[Customer support website](#)

---

[Specifications](#)

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[Specifications](#)

---

[Battery life](#)

---

[Maximum recordable number of songs](#)

---

[Supported formats](#)

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[System requirements](#)

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[Troubleshooting](#)

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[Power/Charging](#)

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- [The built-in rechargeable battery becomes depleted quickly even after the Walkman is fully charged.](#) >
- [What is the battery lifespan?](#) >
- [Can I replace the built-in rechargeable battery myself?](#) >

[microSD Cards](#)

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- [The computer does not recognize the microSD card in the Walkman.](#) >
- [The Walkman does not recognize a microSD card.](#) >

[Playing Music](#)

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- [A track is duplicated on the Walkman.](#) >
- [The Walkman cannot play transferred content.](#) >

[Others](#)

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- [You have spilled liquid \(water, coffee, etc.\) on the Walkman.](#) >
- [You have washed the Walkman in a washing machine.](#) >
- [The Walkman does not work properly.](#) >

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Customer registration websites

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We recommend that you register the Walkman to get better customer support.

### For customers in the US:

<http://www.sony.com/walkmanreg/>

### For customers in Canada:

#### English

<http://www.Sony.ca/Registration>

#### French

<http://www.Sony.ca/Enregistrement>

### For customers in Latin America:

<http://www.sony-latin.com/registration>

### For customers in Europe:

[www.sony.eu/mysony](http://www.sony.eu/mysony)

### For customers in Asia/Oceania/the Middle East/Africa:

#### English/Korean/Traditional Chinese

<http://www.sony-asia.com/dmpwalkman/register/>

#### Simplified Chinese

[https://www.sonystyle.com.cn/b2c\\_sony/b2c/productRegister.do](https://www.sonystyle.com.cn/b2c_sony/b2c/productRegister.do)

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Before first use

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Thank you for purchasing a Walkman.

- For information on laws, regulations and trademark rights, refer to “Important Information” contained in the supplied software. To read it, install the supplied software on your computer.
- Before you start using the Walkman, read the topics under [Related Topic].
- All other trademarks and registered trademarks are trademarks or registered trademarks of their respective holders. In this manual, TM and ® marks are not specified.

Before you start using the Walkman, check the following information.

### Model names

Several model names appear in this [Help Guide]. Some models are not available depending on the country or region where you purchased the Walkman.

### Computer system requirements

When you connect the Walkman to a computer, check the computer system requirements.

### Battery charging

The battery might be low when you use the Walkman for the first time. Charge the battery before use.

### microSD cards

The following memory cards are referred to as [microSD cards] in this [Help Guide].

- microSD cards
- microSDHC cards
- microSDXC cards

### Images and illustrations

The screen images and illustrations shown in this [Help Guide] are for reference only. They may differ from the actual product or onscreen display.

Design and specifications are subject to change without notice.

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### Related Topic

- [Walkman manuals and general information](#)
- [System requirements](#)

- [Charging the battery](#)
- [Notes on handling the Walkman](#)
- [Notes on the headphones](#)
- [Notes on the built-in battery](#)
- [Notes on the software](#)
- [Notes on the sample data](#)
- [General Information](#)
- [Maintenance](#)
- [Customer support website](#)

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Walkman manuals and general information

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Sony provides the following manuals and information regarding the Walkman.  
The provided manuals explain the following operations and functions.

- Basic operations.
- Unique functions that require explanations.
- Complicated operations that require instructions.

### Help Guide

This Help Guide provides the standard operating procedures only.

- How to transfer content to the Walkman.
- How to use various functions.
- Notes on using the Walkman.

### Startup Guide (printed)

- Basic steps to start listening to music after you purchase the Walkman.

### Instruction Manual (printed)

- Notes on using the Walkman
- Compliance information
- How to access [Important Information]

### Important Information (supplied with the Walkman memory)

- Information on copyrights, laws, and regulations  
To read the file, install the supplied software on your computer.

### Customer support website (online)

See [Customer support website] in this [Help Guide].

- The latest information on the Walkman
- FAQ: Frequently Asked Questions

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### Related Topic

- [Customer support website](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Checking the contents of the package

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### NW-A45/A45HN/A46HN/A47 (Common)

- Walkman (1)
- USB cable (1)
- Startup Guide
- Instruction Manual

### NW-A45HN/A46HN

- Headphones (1)  
IER-NW500N or IER-NW500NE (only for Europe and Korea)
- Earbuds (1 set)
- Clip (for Headphones) (1)

#### Note

- A microSD card is not supplied with the Walkman.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

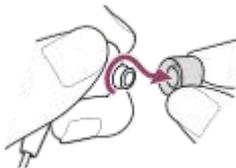
## Switching the earbuds

(Only for models supplied with earbuds)

To enjoy better sound quality, select earbuds with the appropriate size for each ear.

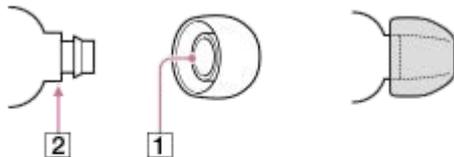
### 1 Detach the earbuds from the headphones.

Hold the headphones, and then twist and pull the earbuds.  
If the earbuds are slippery, wrap them in a soft dry cloth.



### 2 Attach new earbuds to the headphones.

Push the earbuds firmly onto the headphones. Align the ends of the earbuds (1) with 2 on the headphones.  
Otherwise, the earbuds may detach and get stuck in your ears.



#### Hint

- When the earbuds become worn, purchase new ones.
- If the earbuds get dirty, remove them from the headphones. Then, hand-wash the earbuds with a neutral detergent. After washing, drain off the water and reattach the earbuds.

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#### Related Topic

- [Checking the contents of the package](#)



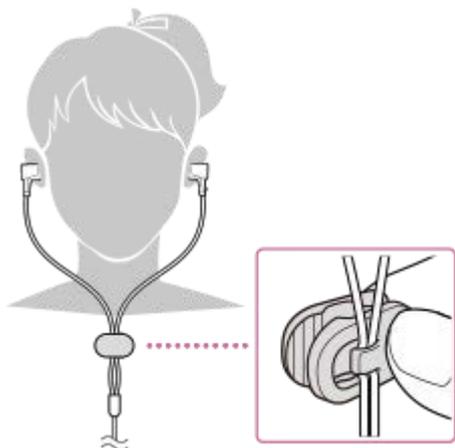
Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Attaching the clip

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(Only for models supplied with a clip)

Attach the clip to the headphones as shown in the following illustration. You can secure the clip to your clothes or bag. Using the clip may reduce noise from the cord rubbing against your clothes.



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### Related Topic

- [Checking the contents of the package](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

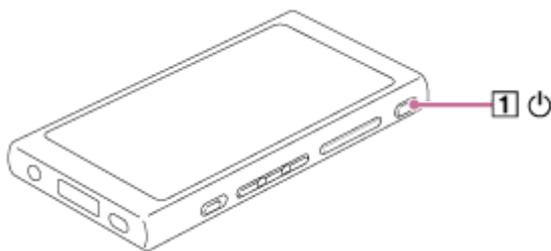
## Configuring the initial setup

When you turn on the Walkman for the first time, the initial setup wizard will launch. You can set the following items during the initial setup.

- Language
- Date and time

**1 Hold down the button (1) for 2 seconds until the Walkman turns on.**

The initial setup wizard will launch. Confirm the message and tap .



**2 Select the language and tap .**

**3 Set date and time, and then tap .**

Follow the onscreen instructions.

### Note

- The Walkman does not display a clock. The clock setting is used for data management.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Installing Music Center for PC (Windows)

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Music Center for PC is an application for Windows computers. Use the latest version of Music Center for PC. You can use Music Center for PC to perform the following operations.

- Importing content (such as music) from CDs to a computer.
- Organizing and managing the content.  
For example, you can create playlists.
- Transferring content on a computer to the Walkman.

Confirm the system requirements before you install Music Center for PC.

### 1 Access the Music Center for PC download website.

<http://www.sony.net/smc4pc/>

### 2 Install Music Center for PC.

For details on installation, see [Download] – [Installation procedure] on the Music Center for PC support website. (<http://www.sony.net/smc4pc/>)

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### Related Topic

- [Preparing music content](#)
- [Transferring content from a Windows computer using Music Center for PC](#)
- [System requirements](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Installing Content Transfer (Mac)

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Content Transfer is an application for Mac computers. Use the latest version of Content Transfer. You can transfer content that you manage with iTunes or Finder. You can simply drag-and-drop the tracks or albums to transfer them to the Walkman.

Confirm the system requirements before you install Content Transfer.

**1 Access the installer for Content Transfer.**

<http://www.sony.net/ct-mac/>

**2 Open the downloaded file.**

[ContentTransfer.dmg] will be saved automatically to the download folder. The folder may open automatically.

**3 Install Content Transfer.**

Run [ContentTransfer.pkg]. Follow the onscreen instructions. When you finish the installation,  will be displayed.

### Note

- Restart the computer if you are prompted. Follow the onscreen instructions.

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### Related Topic

- [Preparing music content](#)
- [Transferring content from a Mac computer using Content Transfer](#)
- [System requirements](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

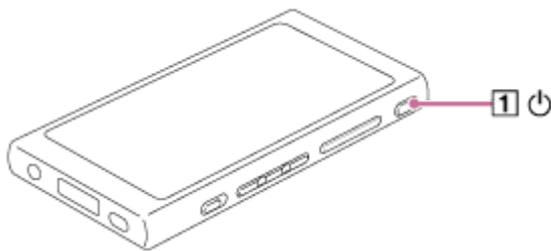
## Turning the Walkman on or off

### 1 Hold down the button (1) for 2 seconds until the Walkman turns on.

When you turn on the Walkman for the first time, the initial setup wizard will launch. Follow the onscreen instructions.

You can set the following items during the initial setup.

- Language
- Date and time



### To turn off the Walkman

Hold down the button (1) for 2 seconds while the screen is turned on.

Follow the onscreen instructions to turn off the Walkman.

Release the HOLD function if it is turned on.

#### Hint

- The screen will turn off automatically if you do not operate the Walkman for a certain period of time. To turn on the screen, press the button (1).
- To conserve the battery power, select [Auto Power Off]. The Walkman will turn off automatically. Tap the menu items in the following order.  
 – [Settings] – [Device Settings] ([Basic Settings]) – [Auto Power Off].

#### Note

- The Walkman does not display a clock. The clock setting is used for data management.

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#### Related Topic

- [Preventing unintentional operations \(HOLD\)](#)
- [Configuring the initial setup](#)



Digital Music Player  
NW-A45/A45HN/A46HN/A47

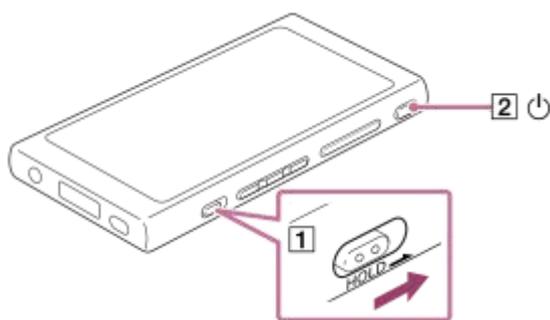
## Preventing unintentional operations (HOLD)

You can lock the Walkman to prevent accidental button operation.

### 1 Slide the switch (1).

The HOLD function is enabled. You cannot operate the buttons on the Walkman or the touch screen. Only the button (2) is active and you can use it to perform the following operations.

- Turning the screen on or off.
- Turning on the Walkman (2 seconds).
- Restarting the Walkman (8 seconds).



### To enable the screen operation

You can enable the touch-screen operation while the HOLD function is active.

1. Tap the menu items in the following order.  
 – [Settings] – [Device Settings] ([Basic Settings]).
2. Tap [Disable touch panel when the HOLD switch is on] to remove a check mark.  
If you want to prevent accidental touch-screen operations, add a check mark again.

#### Hint

- Slide the switch (1) in the opposite direction of the arrow to release the HOLD function.
- While the HOLD function is active, **HOLD** will flash when you operate a button.
- When the HOLD function is enabled, you cannot turn off the Walkman. Release the HOLD function.

The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

#### Related Topic

- [Parts and controls](#)



## Charging the battery

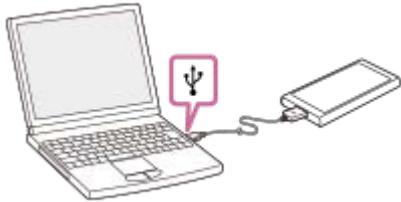
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### 1 Connect the Walkman to a running computer via USB.

The charge lamp will light up.

When charging is complete, the battery status icon switches to **FULL**.

Then, the charge lamp turns off.



### 2 Disconnect the Walkman from the computer.

#### Hint

- For details on how long it takes to charge the battery fully, see [Specifications].

#### Note

- If the Walkman battery level is not sufficient, the computer will not recognize the Walkman. The Walkman screen will not turn on in this case. If this happens, charge the battery fully. It may take about 10 minutes before the Walkman screen turns on.

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#### Related Topic

- [Extending the battery life](#)
- [Notes on charging the battery](#)
- [Specifications](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Extending the battery life

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You can reduce the battery consumption by using the Walkman in the following manner.  
The battery life depends on usage conditions. For details on the battery life, see [Battery life].

- Turn off the power manually when you do not use the Walkman.
- Set [Auto Power Off]. The Walkman will turn off automatically.  
( – [Settings] – [Device Settings] ([Basic Settings]) – [Auto Power Off].)
- Set a shorter time for [Screen Off Timer].  
( – [Settings] – [Device Settings] ([Basic Settings]) – [Screen Off Timer].)
- Adjust the screen brightness.
- Set all sound quality settings to off.
- Turn off the Bluetooth function when you are not using it.
- Turn off the NFC function when you are not using it.
- Turn off the Noise Canceling function.
- Turn off Ambient Sound Mode.

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### Related Topic

- [Charging the battery](#)
- [Turning the Walkman on or off](#)
- [Settings menu](#)
- [Sound quality setting screens](#)
- [One-touch connections with a Bluetooth device \(NFC\)](#)
- [Using the Noise Canceling function](#)
- [Using Ambient Sound Mode](#)
- [Using shortcut buttons from the quick setting panel](#)
- [Notes on the built-in battery](#)
- [Displaying lyrics](#)
- [Battery life](#)

## Notes on charging the battery

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- The charging time depends on the battery usage conditions.
- When the battery is sufficiently charged but the battery life has dropped to about half of its normal span, the battery may be worn out. Contact the nearest Sony dealer or Sony Service Center.
- The computer may not recognize the Walkman in the following situations.
  - When you connect the Walkman to the computer for the first time.
  - When the Walkman has not been used for a long period of time.  
Charge the Walkman for about 10 minutes. The Walkman may start operating normally.
- When the ambient temperature exceeds the recommended range,  appears on the screen and then charging is forcibly terminated. Charge the battery at an ambient temperature from 5 °C to 35 °C (41 °F to 95 °F).
- The battery can be recharged about 500 times from a completely depleted state. The exact number of times may vary depending on the usage conditions.
- To prevent deterioration of the battery, charge the battery at least once every 6 months.
- Charging is not guaranteed when you use a homebuilt or modified computer.
- Charging from a USB hub is only guaranteed when you use a self-powered USB hub that carries an authorized logo.
- Do not connect the Walkman to a computer for a long period of time when the computer is not connected to an AC power supply. Otherwise, the computer's battery may run out.
- While the Walkman is connected to a computer, observe the following cautions. Otherwise, the Walkman may not function properly.
  - Do not turn on the computer.
  - Do not restart the computer.
  - Do not wake the computer from sleep mode.
  - Do not shut down the computer.
- The Walkman may become hot while charging. This is not a malfunction.
- The battery indicator scale does not correspond exactly to the remaining battery level. Refer to the battery indicator as a guide.
- When you charge the Walkman using a computer, do not remove the USB cable while data is transferring. If you disconnect the USB cable, data on the Walkman may be lost.

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### Related Topic

- [Charging the battery](#)
- [Extending the battery life](#)
- [Notes on the built-in battery](#)
- [Battery life](#)

## Using a microSD card

This topic includes instructions for the following operations.

- Inserting a microSD card into the Walkman.
- Removing a microSD card from the Walkman.
- Formatting a microSD card on the Walkman.

To use a microSD card on the Walkman, you first need to format the microSD card on the Walkman.

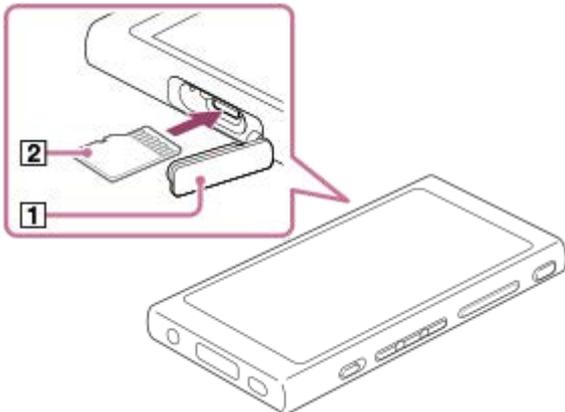
### 1 Insert a microSD card.

Open the microSD card slot cover (1).

Insert a microSD card until it clicks into place (2). Make sure to insert the microSD card in the correct direction.

The gold contact pins should face up.

Close the cover (1).



The Walkman will start updating the database.

When the update is complete, the library screen will appear.

### 2 Format the microSD card.

Tap the menu items in the following order.

 – [Settings] – [Device Settings] ([Basic Settings]) – [Reset/Format] – [Format SD Card].

Follow the onscreen instructions. Make sure to confirm the messages carefully.

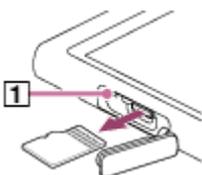
## To remove the microSD card

Before you remove a microSD card from the Walkman, first unmount the microSD card from the Walkman.

1. On the library screen, tap the menu items in the following order.

 – [Settings] – [Device Settings] ([Basic Settings]) – [Mount/Unmount SD Card] – [OK].

2. Open the microSD card slot cover. Make sure that the access lamp (1) is turned off.



3. Push the microSD card into the microSD card slot.  
The microSD card will pop out.
4. Remove the microSD card. Then, close the microSD card slot cover.

#### Note

- On the Walkman, you cannot exchange data between the Walkman memory and a microSD card.
- If the Walkman does not recognize the microSD card, remove and reinsert the microSD card into the Walkman.
- Do not insert any object other than a microSD card into the microSD card slot.
- If the inserted microSD card contains a large amount of data, it may take about 10 minutes or longer for the Walkman to update the database.
- When you remove the microSD card, the following information will be deleted.
  - The content that is currently being played.
  - The playback position.
  - Tracks and the playback order on the play queue screen
  - Bookmark information for tracks on the microSD card.
- Formatting a microSD card will delete all data stored on the microSD card. Save a back up copy of important data.

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#### Related Topic

- [Notes on microSD cards](#)
- [Formatting a microSD card](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Notes on microSD cards

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- Use a microSD card that has been formatted on the Walkman. Sony does not guarantee the operation of other microSD cards.
- Sony does not guarantee all operations for microSD cards that are used on multiple devices.
- Formatting a microSD card will delete all data stored on the microSD card. Save a backup copy in advance.
- Do not leave a microSD card within the reach of small children. Small children may accidentally swallow the microSD card.
- Unmount the microSD card ([Mount/Unmount SD Card]) from the Walkman before you remove a microSD card. Otherwise, the Walkman may not function properly.
- Sony does not guarantee the operation of all types of compatible microSD cards with the Walkman.
- Data may be corrupted in the following situations.
  - When a microSD card is removed during a read or write operation.
  - When the Walkman is turned off during a read or write operation.
  - When a microSD card is used in a location where there is static electricity or electrical noise.
- Sony assumes no responsibility for any loss or damage of stored data. Sony recommends that you save a backup copy of important data regularly.
- Observe the following cautions when you handle microSD cards.
  - Do not apply strong force to a microSD card.
  - Do not bend a microSD card.
  - Do not drop a microSD card.
  - Do not disassemble a microSD card.
  - Do not modify a microSD card.
  - Do not expose a microSD card to water.
  - Do not leave a microSD card in the hot interior of a car.
  - Do not leave a microSD card in direct sunlight.
  - Do not leave a microSD card near a heater.
  - Do not leave a microSD card in a humid place.
  - Do not leave a microSD card in a location where corrosive substances are present.
- Observe the following cautions regarding the microSD card slot.
  - Insert microSD cards into the microSD card slot in the correct direction.
  - Do not insert any object other than a microSD card into the microSD card slot.

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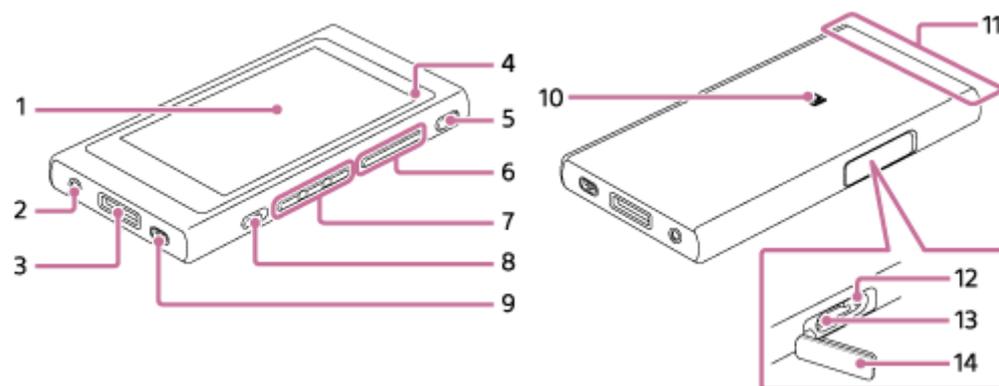
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### Related Topic

- [Using a microSD card](#)
- [Formatting a microSD card](#)

## Parts and controls



1. Touch screen  
Tap icons or items on the screen to operate the Walkman.
2. Headphone jack (Stereo Mini) (\*1)  
Push in the headphone plug until it clicks into place.  
Connect the headphones properly. Otherwise, the output sound will be impaired.
3. WM-PORT jack
  - Connect the USB cable (supplied).
  - Connect accessories that support WM-PORT (not supplied).
4. Charge lamp  
The lamp lights up while the Walkman is charging.
5.  (power) button
  - Press the button to turn the screen on or off.
  - Hold down the button for 2 seconds to turn the Walkman on or off.
  - If operations become unstable, hold down the button for 8 seconds to restart the Walkman.
6. + (\*2)/- (volume) buttons  
Press the buttons to adjust the volume.
7. Playback operating buttons
  - ▶|| (\*2): Press the button to start or pause playback.
  - ◀◀ / ▶▶: Press the buttons to jump within the current track or to the previous or next track.  
Hold down the buttons to fast-rewind or to fast-forward playback.
8. HOLD switch  
Slide the switch to lock the operating buttons on the Walkman. This lets you avoid operating the buttons accidentally.  
Locked (inoperable)



HOLD 

Released (operable)



**9. Strap hole**

Attach a wrist strap (not supplied).

**10. N-mark**

Touch the N-mark on a Bluetooth device to this mark.  
The Bluetooth device must support the NFC function.  
You can connect the Bluetooth device to the Walkman.

**11. Built-in Bluetooth antenna**

The antenna allows the Walkman to connect with Bluetooth devices.  
Do not cover the antenna when a Bluetooth connection is active. Otherwise, the connection may be interrupted.

**12. Access lamp**

Do not remove the microSD card while the access lamp is lit up.

**13. microSD card slot**

Insert a microSD card until it clicks into place.

**14. microSD card slot cover**

Open the cover to insert a microSD card.

\*1 Disconnect from the Bluetooth connection to use wired headphones.

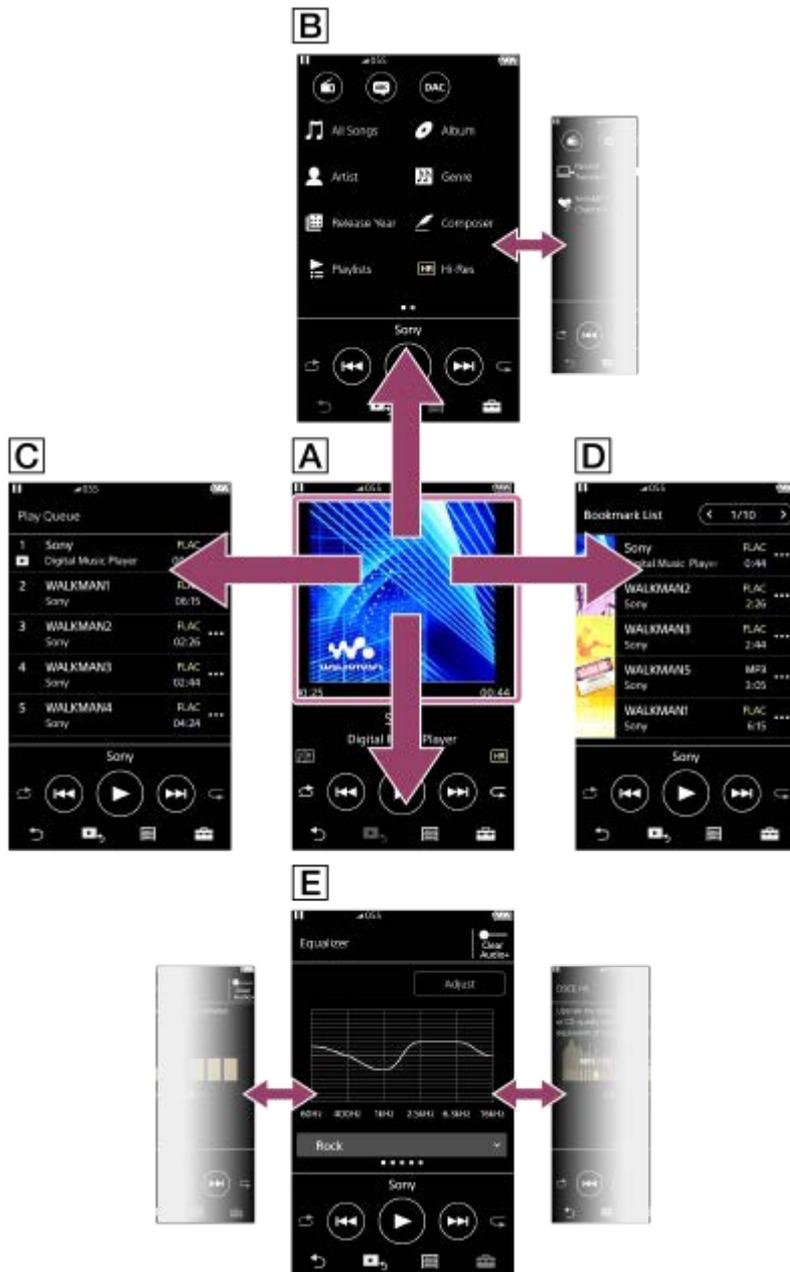
\*2 There are tactile dots on the ►|| button and the volume + button. The tactile dots can help you operate the buttons without looking at them.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

## How to use the various screens on the Walkman

This topic explains the layout of the various screens with the playback screen (A) at the center. Flick the playback screen A to switch to other screens (up/down/left/right).



### **A** Playback screen

You can control playback operations from the playback screen. You can also configure various settings for playback.

### **B** Library screen

You can select tracks from the library screen. Tracks are classified into various categories (such as [All Songs], [Album], [Artist], etc.).

You can also switch to functions other than music playback (FM radio, language study, and USB-DAC).

### **C** Play Queue screen

You can check the list of tracks that the Walkman will play with the current settings.

## D Bookmark List screen

You can listen to tracks that you have registered to a bookmark list beforehand.

You can add tracks to bookmark lists on the playback screen, etc.

The following operations can be performed from this screen.

- Adding tracks to a bookmark list.
- Removing tracks from a bookmark list.
- Changing the order of tracks in a bookmark list.
- Adding tracks to playlists.
- Checking the details of the track information.

## E Sound quality setting screens

You can adjust various sound quality settings.

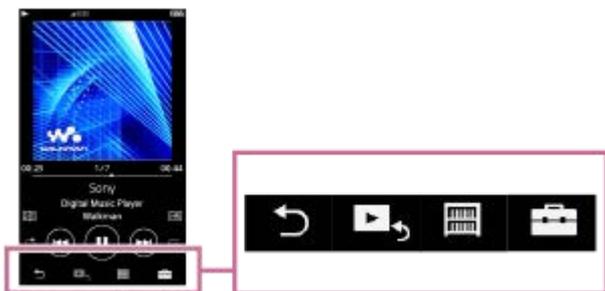
- Equalizer
- DSEE HX
- DC Phase Linearizer
- VPT (Surround)
- Dynamic Normalizer

### Hint

- You can also configure sound quality settings from the menu. Tap the menu items in the following order.  
 – [Settings] – [Sound Settings] ([Sound]).

## Basic operating buttons

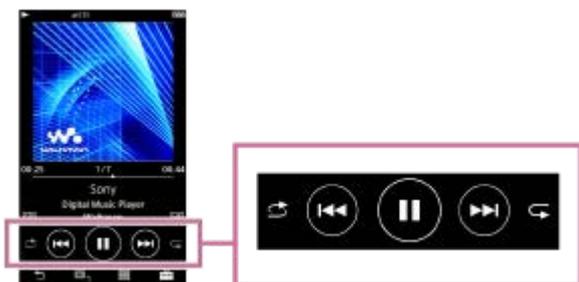
There are 4 basic operating buttons at the bottom of each screen. These buttons may not always be active depending on the screen.



-  (back)  
Tap the button to return to the previous screen.
-  (go to playback screen)  
Tap the button to return to the playback screen.
-  (library)  
Tap the button to display the library screen.
-  (options/settings)  
Tap the button to display the option/setting menus.  
You can configure various settings for the Walkman.  
Available menu items may differ depending on the screen or settings. To configure the basic settings for the Walkman, select the [Settings] menu.

## Basic playback operating buttons

There are basic playback operating buttons in the lower area of each screen.



- (play) / (pause)  
Tap to start playback.  
While the Walkman is playing a track, tap to pause playback.
- (fast-rewind)  
Tap the button to go back to the beginning of the current track or previous track. Hold down the button to fast-rewind playback.
- (fast-forward)  
Tap the button to jump to the beginning of the next track. Hold down the button to fast-forward playback.
- (shuffle play)  
Tap the button to shuffle playback.
- (repeat play)  
Tap the button to repeat playback. You can choose to repeat one track or all tracks.

#### Hint

- Drag the timeline bar to change the playback position in a track.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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#### Related Topic

- [Library screen](#)
- [Playback screen](#)
- [Play Queue screen](#)
- [Bookmark List screen](#)
- [Sound quality setting screens](#)
- [Playback methods](#)
- [FM Radio screen](#)
- [Language Study screen](#)
- [USB-DAC screen](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Library screen

You can select tracks from the library screen. Tracks are classified into various categories (such as [All Songs], [Album], [Artist], etc.).

You can also switch to functions other than music playback (FM radio, language study, and USB-DAC).

### To display the library screen

Flick the playback screen down.

You can also tap  at the bottom of the screen to display the library screen.



#### 1. Function buttons

You can switch to the following functions.

	FM Radio
	Language Study
	USB-DAC

#### 2. Music categories ([All Songs], [Album], [Artist], etc.)

Each track is classified into several categories. Select a track from the desired category.

#### 3. Page indicator

The number of dots represents the number of available pages.

#### 4. Subcategories

After you select a music category, select a subcategory until you find the desired track.

You can check the codecs for tracks, such as FLAC. Codecs for High-Resolution Audio formats appear in color.

## Option/setting menu

Tap  to display the menu.

Available menu items may differ depending on the screen or settings.

 <b>Settings</b>	Select the item to display the Settings menu.
<b>Select Items to Display</b>	Select the item to set which categories to display or not to display.
<b>Reset display item order</b>	Select the item to display the default categories.
 <b>View Help</b>	Select the item to view the operating guide.

## Pop-up menu

Tap  to display the pop-up menu.  appears beside each item in a subcategory list.

Available menu items may differ depending on the screen or settings.

<b>Add to Bookmark List</b>	Select the item to add a track or subcategory item to the bookmark list.
<b>Add to Playlist</b>	Select the item to add a track or subcategory item to a playlist.
<b>Detailed Song Information</b>	Select the item to display the details of the track.
<b>Delete</b>	Select the item to delete the selected track, folder, or playlist.
<b>Move Songs to Language Study</b>	Select the item to move the selected track, album, or artist to the language study library.
<b>Delete from Playlist</b>	Select the item to remove the selected track from the playlist.

### Hint

- You can drag-and-drop the category icons to change the order.
- You can also display the pop-up menu by holding down an item in the list.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### Related Topic

- [How to use the various screens on the Walkman](#)
- [Playing music](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Playback screen

You can control playback operations from the playback screen. You can also configure various settings for playback.

### To display the playback screen

Tap  at the bottom of the screen.



1. Cover art
2. Track number / Total numbers of tracks
3. Elapsed time of the current track
4. Timeline bar
5. Track title / Artist name / Album title
6. Lyrics icon
7. Shuffle button / Previous button / Play (Pause) button / Next button / Repeat button
8. Length of the track
9. High-Resolution Audio icon

#### Hint

- Drag the timeline bar to change the playback position in a track.

#### Note

- The elapsed time and timeline bar indications may not be accurate.
- The Walkman may not display cover art depending on the file format.

### Option/setting menu

Tap  to display the menu.

Available menu items may differ depending on the screen or settings.  
Scroll through the menu dialog to display the items listed below.

 <b>Settings</b>	Select the item to display the Settings menu.
 <b>Add to Bookmark List</b>	Select the item to add the current track to a bookmark list.
 <b>Add to Playlist</b>	Select the item to add the current track to a playlist.
 <b>Detailed Song Information</b>	Select the item to display the details of the current track.
 <b>Display Lyrics</b>	Select the item to display the lyrics of the current track.
 <b>Move Songs to Language Study</b>	Select the item to move the current track to the language study library.
 <b>View Help</b>	Select the item to view the operating guide.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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#### Related Topic

- [How to use the various screens on the Walkman](#)
- [Playing music](#)
- [Playback methods](#)
- [Displaying lyrics](#)
- [Adjusting the sound quality settings](#)

Digital Music Player  
 NW-A45/A45HN/A46HN/A47

## Play Queue screen

You can check the list of tracks that the Walkman will play with the current settings.

### To display the play queue screen

Flick the playback screen to the right.



1. Current track
2. Playback order
3. Pop-up menu icon
4. Track information

- Artist name
- Track title
- Codec  
Codecs for High-Resolution Audio formats appear in color.
- Length

### Option/setting menu

Tap  to display the menu.

Available menu items may differ depending on the screen or settings.

 <b>Settings</b>	Select to display the Settings menu.
 <b>Add All Songs to Bookmark List</b>	Select the item to add the current play queue to a bookmark list.
 <b>Add All Songs to Playlist</b>	Select the item to add the current play queue to a playlist.

### Pop-up menu

Tap  to display the pop-up menu.

Available menu items may differ depending on the screen or settings.

<b>Add to Bookmark List</b>	Select the item to add the selected track to the bookmark list.
<b>Add to Playlist</b>	Select the item to add the selected track to a playlist.
<b>Detailed Song Information</b>	Select the item to display the details of the track.

### Hint

- You can also display the pop-up menu by holding down an item in the list.

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### Related Topic

- [How to use the various screens on the Walkman](#)
- [Playing music](#)
- [Playback methods](#)
- [Managing playlists on the Walkman](#)
- [Managing bookmarks on the Walkman](#)

Digital Music Player  
 NW-A45/A45HN/A46HN/A47

## Bookmark List screen

You can listen to tracks that you have registered to a bookmark list beforehand.  
 You can add tracks to bookmark lists on the playback screen, etc.

### To display the bookmark list screen

Flick the playback screen to the left.



#### 1. Track information

- Cover art
- Artist name
- Track title
- Codec
- Length

#### 2. Number of the current list

The previous list and the next list buttons

#### 3. Pop-up menu icon

### Option/setting menu

Tap  to display the menu.

Available menu items may differ depending on the screen or settings.

 <b>Settings</b>	Select the item to display the Settings menu.
<b>Edit Song Order</b>	Select the item to change the order of tracks in the selected bookmark list. Drag-and-drop  until they are in the desired order.
 <b>Add All Songs to Bookmark List</b>	Select the item to add all tracks in the selected bookmark list to another bookmark list.
 <b>Add All Songs to Playlist</b>	Select the item to add all tracks in the selected bookmark list to a playlist.
<b>Delete All</b>	Select the item to remove all tracks from the selected bookmark list.

## Pop-up menu

Tap  to display the pop-up menu.

Available menu items may differ depending on the screen or settings.

<b>Add to Another Bookmark List</b>	Select the item to add the selected track to another bookmark list.
<b>Add to Playlist</b>	Select the item to add the selected track to a playlist.
<b>Delete from Bookmark List</b>	Select the item to remove the selected track from the current bookmark list.
<b>Detailed Song Information</b>	Select the item to display the details of the track.

### Hint

- You can also display the pop-up menu by holding down an item in the list.

### Note

- When you remove a microSD card from the Walkman, tracks on the microSD card will be removed from the bookmark list.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### Related Topic

- [How to use the various screens on the Walkman](#)
- [Playing music](#)
- [Playback methods](#)
- [Managing playlists on the Walkman](#)
- [Managing bookmarks on the Walkman](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Sound quality setting screens

You can adjust various sound quality settings.

### To display the sound quality setting screen

Flick the playback screen up.

### To navigate the sound quality setting screens

Flick the screen left or right to select the sound quality setting that you want to adjust.

Tap the [ClearAudio+] switch to turn off the [ClearAudio+] function so that you can flick the screen.

### Adjustable sound quality settings

- Equalizer
- DSEE HX
- DC Phase Linearizer
- VPT (Surround)
- Dynamic Normalizer



1. Name of the sound quality setting

2. [ClearAudio+] switch

You can turn the [ClearAudio+] function on or off.

3. Page indicator

The number of dots represents the number of available pages. Flick the screen to the left or right to switch to a different page.

#### Hint

- You can flick any of the sound quality setting screens down to return to the playback screen.

---

The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### **Related Topic**

- [How to use the various screens on the Walkman](#)
- [Adjusting the sound quality settings](#)

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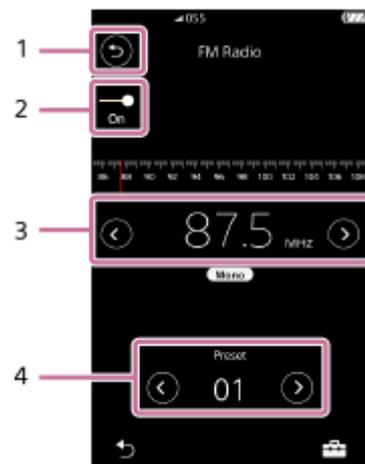
Digital Music Player  
NW-A45/A45HN/A46HN/A47

## FM Radio screen

You can listen to FM radio.

### To switch to the FM radio function

Tap  on the library screen.



1.  button  
Tap the button to switch back to the music playback function.
2. FM radio switch (On/Off)  
Connect a pair of headphones to turn on the switch. The headphone cord works as an antenna.
3. Frequency  
Tap  /  to change the frequency.
4. Preset number  
Tap  /  to select a preset station.

### Option/setting menu

Tap  to display the menu.

Available menu items may differ depending on the screen or settings.

<b>Save to Preset</b>	Select the item to save the currently selected broadcast station as a preset.
<b>Delete from Preset</b>	Select the item to delete the currently selected broadcast station from the presets.
<b>Auto Preset</b>	Select the item to automatically search for and preset broadcast stations in your area.
<b>FM Radio Settings</b>	Select the item to configure the FM radio settings. (Scan Sensitivity, Mono/Auto)

## Related Topic

- [How to use the various screens on the Walkman](#)
- [Library screen](#)
- [Listening to FM radio broadcasts](#)
- [Presetting FM radio stations](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Language Study screen

The language study function provides the useful functions for learning languages.

- DPC (Digital Pitch Control)
- A-B Repeat
- Quick Replay

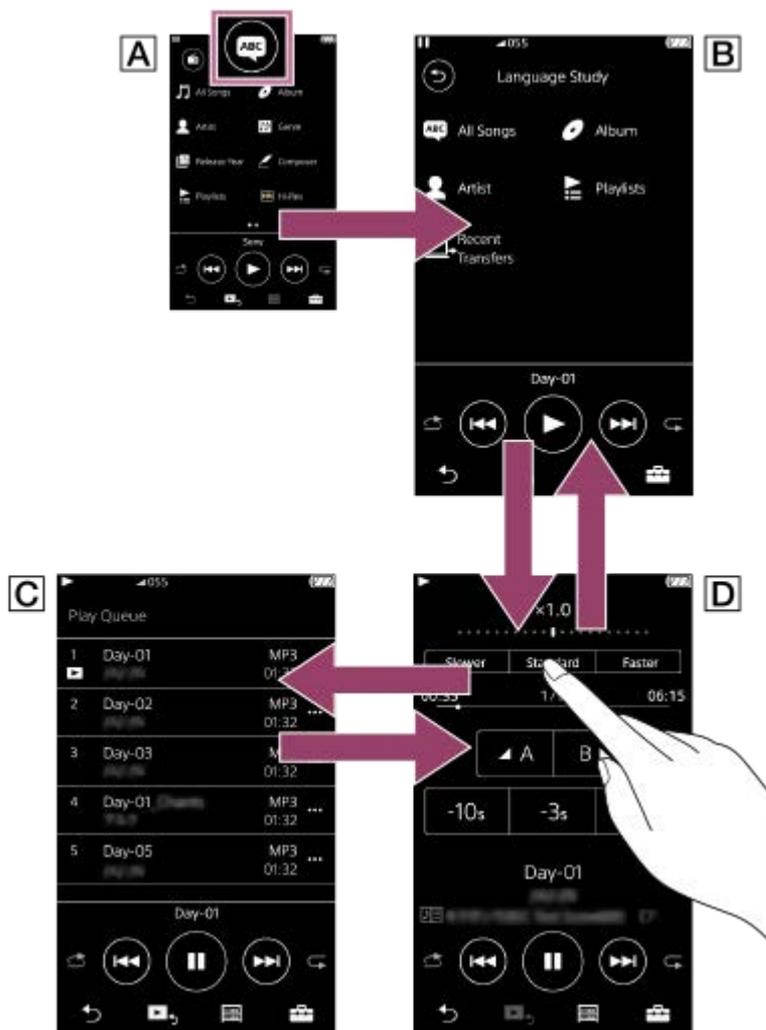
You need to transfer tracks to the [LEARNING] folder for using the language study function.

### To switch to the language study function

Tap  on the library screen.

### Screen layout for the language study function

The language study function has the screen layout shown in the following illustrations. You can flick to navigate the screens.



#### **A** Library screen for the music playback function

Tap  on the library screen to switch to the language study function.

## B Library screen for the language study function

Select a track from the desired category.

Tap  to switch back to the music playback function.

## C Play queue screen for the language study function

You can check the list of tracks that the Walkman will play with the current settings.

## D Playback screen for the language study function

Useful learning functions are available.

- DPC (Digital Pitch Control)
- A-B Repeat
- Quick Replay

## Option/setting menu

Tap  to display the menu.

Available menu items may differ depending on the screen or settings.

 <b>Settings</b>	Select the item to display the Settings menu.
 <b>Add to Playlist</b>	Select the item to add the current track to a playlist.
 <b>Detailed Song Information</b>	Select the item to display the details of the current track.
 <b>Display Lyrics</b>	Select the item to display lyrics information.
<b>Edit Song Order</b>	Select the item to change the order of tracks in the selected playlist. Drag-and-drop  until they are in the desired order.
 <b>Add All Songs to Playlist</b>	Select the item to add all tracks in the list to a playlist.
 <b>Move Songs to Music</b>	Select the item to move the current track to the music library.

## Pop-up menu

Tap  to display the pop-up menu.

Available menu items may differ depending on the screen or settings.

<b>Add to Playlist</b>	Select the item to add the track to a playlist.
<b>Delete from Playlist</b>	Select the item to remove the track from the playlist.
<b>Delete</b>	Select the item to delete the track or the playlist.
<b>Detailed Song Information</b>	Select the item to display the details of the track.
<b>Move Songs to Music</b>	Select the item to move the selected track, album, or artist to the music library.

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**Related Topic**

- [How to use the various screens on the Walkman](#)
- [Library screen](#)
- [Using the language study function](#)
- [Transferring language study content from a Windows computer using Music Center for PC](#)
- [Transferring language study content using Windows Explorer](#)
- [Transferring language study content using Mac Finder](#)

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## USB-DAC screen

You can use the Walkman as a USB-DAC device. Use this function to listen to music on a computer.

### To switch to the USB-DAC function

Tap  on the library screen.



1.  button  
Tap the button to switch back to the music playback function.
2. Signal indicator  
The indicator reflects the audio signal level of the music content that is being played.
3. Volume knob / VOLUME +/- buttons  
You can change the volume.

### Option/setting menu

Tap  to display the menu.

 <b>Settings</b>	Select the item to display the Settings menu.
---	---

#### Hint

- Flick the USB-DAC screen up if you want to change the sound quality settings.

The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

### Related Topic

- [How to use the various screens on the Walkman](#)

- [Enjoying music content on a computer with Walkman sound quality \(USB-DAC function\)](#)

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 NW-A45/A45HN/A46HN/A47

## List of icons displayed in the information area

You can check the playback status and various settings using the icons displayed in the information area. The icons vary depending on the status of the Walkman.



### 1. Information area

	Volume status
	AVLS
	Playback status Play, pause, find the beginning of the next track, find the beginning of the current or previous track
	HOLD indicator
	Sleep Timer
	Bluetooth
	NFC
	Noise Canceling
	Ambient Sound Mode
	Battery status

#### Hint

- Tap the information area to open the volume dialog. You can turn the volume knob to adjust the volume.

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## Related Topic

- [Adjusting the volume](#)

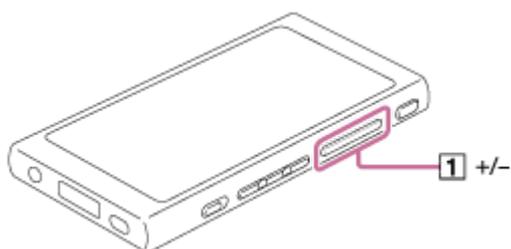
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NW-A45/A45HN/A46HN/A47

## Adjusting the volume

### Adjusting the volume

On the Walkman: Press the button (1) to adjust the volume.



On the screen: Tap the area (1) on the playback screen to display the volume dialog. Turn the knob (2) to adjust the volume. Tap (3) to close the volume dialog.



#### Hint

- You can also use the +/- buttons at the bottom of the volume dialog to adjust the volume.

### Limiting the volume

The AVLS (Automatic Volume Limiter System) function reduces the risk of damage to ears from loud volumes. Using AVLS limits the maximum volume. AVLS has the following features.

- AVLS limits the volume to a certain level.
- AVLS prevents disturbances to others caused by loud volumes.
- AVLS allows you to listen at a more comfortable volume.

1. Tap the menu items in the following order.

 – [Settings] – [Output Settings] ([Basic Settings]).

2. Tap [AVLS (Volume Limit)] ([Headphone Output]) to add a check mark.

#### Note

- [AVLS (Volume Limit)] does not work while there is an active Bluetooth connection.

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### **Related Topic**

- [Volume operation in compliance with European and Korean Directives](#)

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NW-A45/A45HN/A46HN/A47

## Volume operation in compliance with European and Korean Directives

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- For European customers
- For Korean customers (models supplied with headphones)

The alarm (beep) and warning [Check the volume level.] are intended to protect your ears. They occur when you initially turn the volume up to a harmful level. You can cancel the alarm and warning by tapping [OK] on the alert dialog.

### Note

- You can turn up the volume after you cancel the alarm and warning.
- After the initial warning, the alarm and warning will repeat every 20 cumulative hours that the volume is set to a level that is harmful to your ears. When this happens, the volume will turn down automatically.
- If you turn off the Walkman after you have selected a high volume that may damage your eardrums, the volume level will automatically be lower when you turn on the Walkman the next time.
- The alarm will not sound when there is an active Bluetooth connection.

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### Related Topic

- [Adjusting the volume](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Browsing the operating guide

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You can browse the operating guide to take a quick tour of the operations on the Walkman.

- 1 On the library screen or the playback screen, tap  and then [View Help].

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Preparing music content

Before you transfer music content to the Walkman, you need to prepare the content. This topic includes instructions for the following operations.

- Importing content from an audio CD to Music Center for PC.
- Importing content stored on a computer to Music Center for PC.
- Importing content stored on an external media device to a computer.
- Purchasing content from online music services.

The instructions below are for operations using Music Center for PC. Music Center for PC is the recommended application for the Walkman. Install Music Center for PC in advance.

### Note

- Imported content is limited to private use only. Use of content for other purposes requires the permission of the copyright holders.
- If you are using a Mac computer, use Content Transfer.

## Importing content from an audio CD to Music Center for PC

1. Use a computer on which Music Center for PC has been installed.
2. Launch Music Center for PC.
3. Insert an audio CD into the media drive of the computer.  
The content on the audio CD will appear on the Music Center for PC screen.  
You can change the format setting for importing CDs, if necessary.
  - For higher sound quality: FLAC
  - For normal sound quality: AAC (.mp4), MP3 (.mp3)

4. Import the content on the audio CD to Music Center for PC.

For details on the procedure, see [How to use] on the Music Center for PC support website.  
(<http://www.sony.net/smc4pc/>)

### Hint

- You can also use iTunes instead of Music Center for PC to import audio CDs.

## Importing content stored on a computer to Music Center for PC

1. Use a computer on which Music Center for PC has been installed.
2. Launch Music Center for PC.
3. From the left pane on the Music Center for PC screen, select the menu for importing content from a computer.  
You can specify a folder for the content that you want to import.
4. Start importing the content.

For details on the procedure, see [How to use] on the Music Center for PC support website.  
(<http://www.sony.net/smc4pc/>)

## Importing content stored on an external media device to a computer

Use an external media device that contains music content.

The following instructions are for Windows Explorer. If you are using a Mac computer, use Finder.

1. Connect the external media device to a computer.
2. Open the external media device in Windows Explorer.
3. Open the [Music] folder of the computer in Windows Explorer.
4. Drag-and-drop the folders or files from the external media device to the [Music] folder on the computer.

## Purchasing content from online music services

You can purchase music content from online music services.

Check the service guide for the provider you use. Each service provider has different downloading procedures, compatible file formats, and payment methods. Note that the provider may choose to suspend or terminate the service without notice.

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### Related Topic

- [Installing Music Center for PC \(Windows\)](#)
- [Installing Content Transfer \(Mac\)](#)
- [Transferring content from a Windows computer using Music Center for PC](#)
- [Transferring content using Windows Explorer](#)
- [Transferring content from a Mac computer using Content Transfer](#)
- [Transferring content using Mac Finder](#)
- [Adding lyrics information using a computer](#)
- [Playing music](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Purchasing High-Resolution Audio content

---

High-Resolution Audio refers to content in a format with higher sound quality than the CD standard. High-Resolution Audio content is available via online music services.

Access an online music service that provides High-Resolution Audio content. Services vary by country or area. Check the service guide for the provider you use. Each service provider has different downloading procedures, compatible file formats, and payment methods.

Note that the provider may choose to suspend or terminate the service without notice.

### To transfer High-Resolution Audio content to the Walkman

- On a Windows computer: Use Music Center for PC or Windows Explorer.
- On a Mac computer: Use Content Transfer or Finder.

#### Hint

- High-Resolution Audio content is indicated with an icon (  ) both on the Walkman and in Music Center for PC.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### Related Topic

- [Installing Music Center for PC \(Windows\)](#)
- [Installing Content Transfer \(Mac\)](#)
- [Transferring content from a Windows computer using Music Center for PC](#)
- [Transferring content using Windows Explorer](#)
- [Transferring content from a Mac computer using Content Transfer](#)
- [Transferring content using Mac Finder](#)

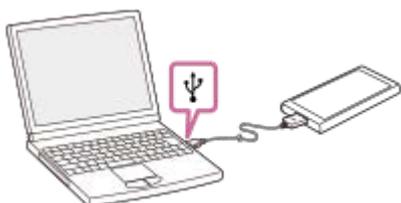
## Transferring content from a Windows computer using Music Center for PC

You can transfer content that is stored on a Windows computer to the Walkman via Music Center for PC.

**1 Use a computer on which Music Center for PC has been installed.**

**2 Launch Music Center for PC.**

**3 Connect the Walkman to the computer via USB.**



**4 Click  in the bottom left of Music Center for PC to open the list of content on the Walkman.**

To transfer content to the microSD card in the Walkman:  
Select the microSD card from the device selection menu. The device selection menu is located above the list of content on the Walkman.

**5 Select [Music Library] to open the list of content on Music Center for PC.**

**6 Select albums or tracks that you want to transfer.**

**7 Click  to transfer.**

For details on the procedure, see [How to use] on the Music Center for PC support website.  
(<http://www.sony.net/smc4pc/>)

### Note

- Do not disconnect the USB cable during data transfer. Otherwise, the data may be damaged.
- Transferred content is limited to private use only. Use of content for other purposes requires the permission of the copyright holders.
- On the Walkman, you cannot exchange data between the Walkman memory and a microSD card.

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## Related Topic

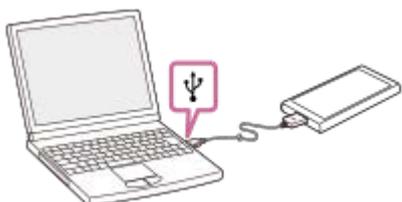
- [Installing Music Center for PC \(Windows\)](#)
- [Preparing music content](#)
- [Purchasing High-Resolution Audio content](#)
- [Transferring content using Windows Explorer](#)
- [Transferring language study content from a Windows computer using Music Center for PC](#)
- [Transferring language study content using Windows Explorer](#)
- [Playing music](#)

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## Transferring content using Windows Explorer

You can transfer content directly by dragging and dropping it from Windows Explorer.

### 1 Connect the Walkman to the computer via USB.



### 2 Open the [WALKMAN] folder as follows.

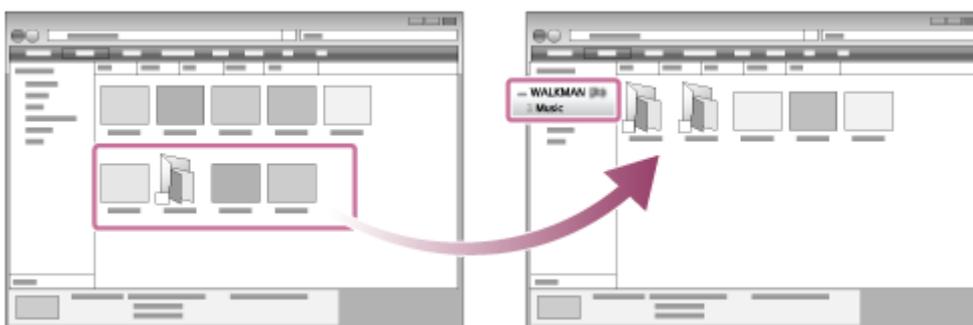
- Windows 10:  
Open [File Explorer] from the [Start] menu. Select [WALKMAN] from the left pane.
- Windows 8.1:  
Open [File Explorer] from [Desktop]. Select [WALKMAN] from the list under [This PC].
- Windows 7 or earlier versions:  
Select [Start], [Computer], and then [WALKMAN].

You can also transfer content to a microSD card.

Select the folder with the name of the microSD card instead of [WALKMAN].

### 3 Open the [MUSIC] folder in [WALKMAN].

### 4 Drag-and-drop the files or folders on the computer to the [MUSIC] folder.



Confirm that the transfer is complete. Then, disconnect the Walkman from the computer.

#### Hint

- If you want to transfer content for the language study function, open the [LEARNING] folder.

#### Note

- Observe the following precautions. Otherwise, the Walkman may not be able to play the files.
  - Do not change the names of the root folders (such as [MUSIC]).

- Do not transfer the files to folders other than [MUSIC] or [LEARNING].
- Do not disconnect the USB cable during data transfer.
- Do not format the memory of the Walkman on the computer.
  
- The Walkman may not display music information for some content correctly depending on the language setting on the Walkman.
- Transferred content is limited to private use only. Use of content for other purposes requires the permission of the copyright holders.

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### **Related Topic**

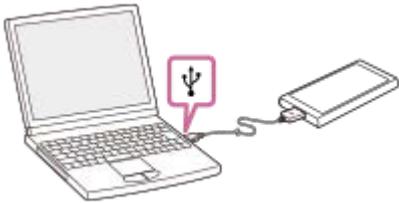
- [Preparing music content](#)
- [Purchasing High-Resolution Audio content](#)
- [Transferring content from a Windows computer using Music Center for PC](#)
- [Transferring language study content from a Windows computer using Music Center for PC](#)
- [Transferring language study content using Windows Explorer](#)
- [Playing music](#)

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## Importing content from the Walkman to Music Center for PC

---

- 1 Use a computer on which Music Center for PC has been installed.
- 2 Launch Music Center for PC.
- 3 Connect the Walkman to the computer via USB.



- 4 Click  in the bottom left of Music Center for PC to open the list of content on the Walkman.  
To import content from the microSD card in the Walkman:  
Select the microSD card from the device selection menu. The device selection menu is located above the list of content on the Walkman.
- 5 From the list of content on the Walkman, select the content that you want to import to Music Center for PC.  
You can select either from music content or language learning content.
- 6 Click  in Music Center for PC.

For details on the procedure, see [How to use] on the Music Center for PC support website.  
(<http://www.sony.net/smc4pc/>)

### Note

- Do not disconnect the USB cable during data transfer. Otherwise, the data may be damaged.
- Imported content is limited to private use only. Use of content for other purposes requires the permission of the copyright holders.

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### Related Topic

- [Installing Music Center for PC \(Windows\)](#)
- [Playing music](#)
- [Supported formats](#)



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NW-A45/A45HN/A46HN/A47

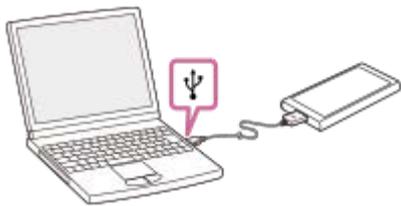
## Transferring language study content from a Windows computer using Music Center for PC for PC

You can transfer language study content to the Walkman using Music Center for PC.

**1 Use a computer on which Music Center for PC has been installed.**

**2 Launch Music Center for PC.**

**3 Connect the Walkman to the computer via USB.**



**4 Select [Music Library] to open the list of content on Music Center for PC.**

**5 Select the content (track, album, etc.) that you want to use for language learning.**

**6 Right-click the content (track, album, etc) to open [Properties].**

**7 Select [Language Learning] from the pull-down menu for [Genre :].**

**8 Transfer the content to the Walkman in the same way as when you transfer music content.**

For details on the procedure, see [How to use] on the Music Center for PC support website.

(<http://www.sony.net/smc4pc/>)

### Note

- Do not disconnect the USB cable during data transfer.
- Transferred content is limited to private use only. Use of content for other purposes requires the permission of the copyright holders.

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### Related Topic

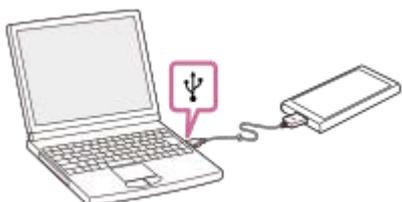
- Installing Music Center for PC (Windows)
- Preparing music content
- Transferring content from a Windows computer using Music Center for PC
- Transferring language study content using Windows Explorer
- Using the language study function

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## Transferring language study content using Windows Explorer

You can transfer language study content to the Walkman using Windows Explorer.

### 1 Connect the Walkman to the computer via USB.



### 2 Open the [WALKMAN] folder as follows.

- Windows 10:  
Open [File Explorer] from the [Start] menu. Select [WALKMAN] from the left pane.
- Windows 8.1:  
Open [File Explorer] from [Desktop]. Select [WALKMAN] from the list under [This PC].
- Windows 7 or earlier versions:  
Select [Start], [Computer], and then [WALKMAN].

You can also transfer content to a microSD card.

Select the folder with the name of the microSD card instead of [WALKMAN].

### 3 Open the [LEARNING] folder in [WALKMAN].

### 4 Drag-and-drop the files or folders on the computer to the [LEARNING] folder.



Confirm that the transfer is complete. Then, disconnect the Walkman from the computer.

#### Hint

- You can also prepare language study content on the Walkman. You can move tracks, albums, or artists from the music library to the language study library.
  - On the playback screen, tap the menu items in the following order. You can move the current track.  
 – [Move Songs to Language Study].
  - On a track list, album list, or artist list, tap the menu items in the following order. You can move the selected track, album, or artist.  
 – [Move Songs to Language Study].

## Note

- Observe the following precautions. Otherwise, the Walkman may not be able to play the files.
  - Do not change the names of the root folders (such as MUSIC).
  - Do not transfer the files to folders other than [LEARNING].
  - Do not disconnect the USB cable during data transfer.
  - Do not format the memory of the Walkman on the computer.
- The Walkman may not display music information for some content correctly depending on the language setting on the Walkman.
- Transferred content is limited to private use only. Use of content for other purposes requires the permission of the copyright holders.

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## Related Topic

- [Preparing music content](#)
- [Transferring content from a Windows computer using Music Center for PC](#)
- [Transferring language study content from a Windows computer using Music Center for PC](#)
- [Using the language study function](#)

## Transferring content from a Mac computer using Content Transfer

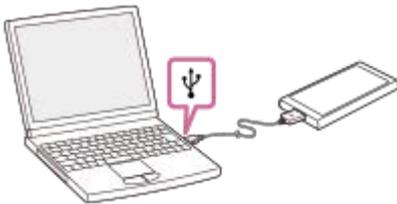
You can use Content Transfer. Content with copyright protection cannot be transferred.

**1 Use a computer on which Content Transfer has been installed.**

**2 Launch Content Transfer.**



**3 Connect the Walkman to the computer via USB.**



**4 Select the destination memory on the Walkman (the internal memory or a microSD card).**

**5 Open Finder or iTunes. Then, select the content.**

**6 Drag-and-drop the content into Content Transfer.**



Confirm that the transfer is complete. Then, disconnect the Walkman from the computer.

**Note**

- Operation may not be guaranteed depending on the version of iTunes.
- Do not disconnect the USB cable during data transfer. Otherwise, the data may be damaged.
- Transferred content is limited to private use only. Use of content for other purposes requires the permission of the copyright holders.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### **Related Topic**

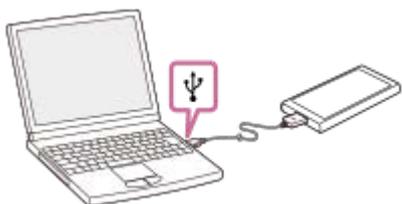
- [Installing Content Transfer \(Mac\)](#)
- [Preparing music content](#)
- [Purchasing High-Resolution Audio content](#)
- [Playing music](#)

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## Transferring content using Mac Finder

You can transfer content directly by dragging and dropping it from Finder. Content with copyright protection cannot be transferred.

- 1 **Connect the Walkman to a running computer via USB.**

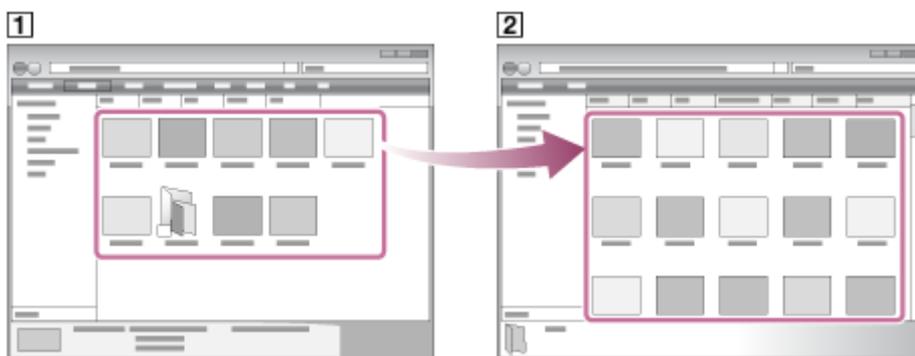


- 2 **Select [WALKMAN] in the sidebar of the Finder.**

You can also transfer content to a microSD card.  
Select the folder with the name of the microSD card instead of [WALKMAN].

- 3 **Open the [MUSIC] folder in [WALKMAN].**

- 4 **Drag-and-drop the files or folders (1) to the [MUSIC] folder (2) in [WALKMAN].**



Confirm that the transfer is complete. Then, disconnect the Walkman from the computer.

### Hint

- If you want to transfer content for the language study function, open the [LEARNING] folder.

### Note

- Observe the following precautions. Otherwise, the Walkman may not be able to play the files.
  - Do not change the names of the root folders (such as [MUSIC]).
  - Do not transfer the files to folders other than [MUSIC] or [LEARNING].
  - Do not disconnect the USB cable during data transfer.
  - Do not format the memory of the Walkman on the computer.
- The Walkman may not display music information for some content correctly depending on the language setting on the Walkman.

- Transferred content is limited to private use only. Use of content for other purposes requires the permission of the copyright holders.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### **Related Topic**

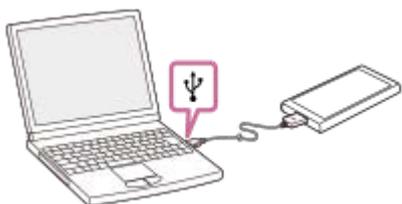
- [Installing Content Transfer \(Mac\)](#)
- [Preparing music content](#)
- [Purchasing High-Resolution Audio content](#)
- [Transferring language study content using Mac Finder](#)
- [Playing music](#)

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## Transferring language study content using Mac Finder

You can transfer language study content to the Walkman using Finder. Content with copyright protection cannot be transferred.

### 1 Connect the Walkman to a computer via USB.

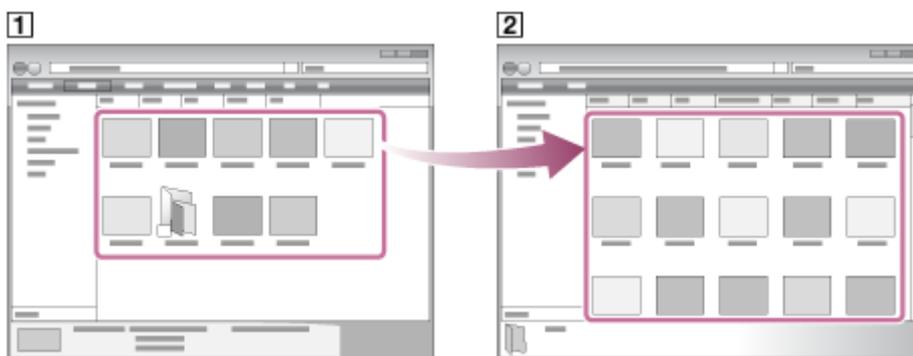


### 2 Select [WALKMAN] in the sidebar of the Finder.

You can also transfer language study content to a microSD card.  
Select the folder with the name of the microSD card instead of [WALKMAN].

### 3 Open the [LEARNING] folder in [WALKMAN].

### 4 Drag-and-drop the files or folders (1) to the [LEARNING] folder (2) in [WALKMAN].



Confirm that the transfer is complete. Then, disconnect the Walkman from the computer.

#### Note

- Observe the following precautions. Otherwise, the Walkman may not be able to play the files.
  - Do not change the names of the root folders (such as MUSIC).
  - Do not transfer the files to folders other than [LEARNING].
  - Do not disconnect the USB cable during data transfer.
  - Do not format the memory of the Walkman on the computer.
- The Walkman may not play some files due to copyright protection.
- The Walkman may not display music information for some content correctly depending on the language setting on the Walkman.
- Transferred content is limited to private use only. Use of content for other purposes requires the permission of the copyright holders.

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### **Related Topic**

- [Preparing music content](#)
- [Transferring content using Mac Finder](#)
- [Using the language study function](#)

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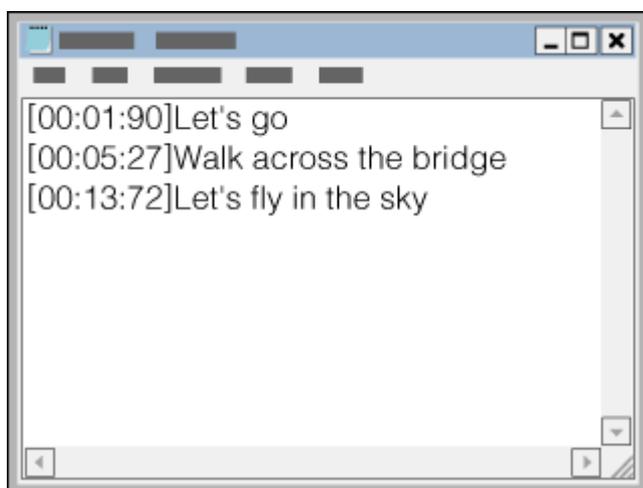
Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Adding lyrics information using a computer

You can input lyrics to a text file (an LRC file). After you input lyrics to tracks, transfer the tracks to the Walkman.

### Creating lyrics in a text file (LRC file)

1. Open the [Notepad] in Windows Accessories.
2. Enter the lyrics into [Notepad].
3. Play the track and enter the time to display each line of text.



- You can enter the time information to the left of each line of text in the following format.  
Minutes:seconds:hundredths of a second (\*1)
- Time information must be entered in chronological order.
- You can separate seconds and hundredths of a second using a period instead of a colon.

\*1 You can omit hundredths of a second.

4. Save the file.
  - Select [UTF-8] as the character encoding.
  - Set the same file name as the audio file.
  - Set [.lrc] as the extension.
  - The maximum file size is 512 KB.
  - If a text line cannot fit on the screen, it will be wrapped.
  - The number of lines of text that can be displayed simultaneously depends on the Walkman model.
  - CR, CRLF, and LF line breaks are all recognized.
  - Blank text lines will be skipped.
5. Connect your Walkman to the computer via USB.
6. Open the [WALKMAN] folder according to one of the following procedures.
  - Windows 10:  
Open [File Explorer] from the [Start] menu. Select [WALKMAN] from the left pane.
  - Windows 8.1:  
Open [File Explorer] from [Desktop]. Select [WALKMAN] from the list under [This PC].

- Windows 7 or earlier versions:  
Select [Start], [Computer], and then [WALKMAN].

You can also transfer content to a microSD card.

Select the folder with the name of the microSD card instead of [WALKMAN].

7. Create a new folder in the [MUSIC] folder under [WALKMAN]. Then, drag-and-drop both the track and the LRC file into the new folder to transfer them.

#### Hint

- The following numbers of characters are recommended when you display lyrics on the Walkman.
  - Single-byte characters (for example, alphanumeric characters): 40 characters per line.
  - 2-byte characters (for example, Chinese characters): 20 characters per line.
- To manage LRC files with Music Center for PC, save the LRC files in the same folder as the music files. The LRC files will be transferred to the Walkman when the music files are transferred.
- On a Mac computer, you can create lyrics using “TextEdit” and other text editors. Follow the same procedure as that described above to enter the lyrics or time information in the “Plain text” setting.

## Copyright notice

When you create LRC files using copyrighted materials authored by others, the LRC files are limited to private use only. Use of LRC files for other purposes requires the permission of the copyright holders.

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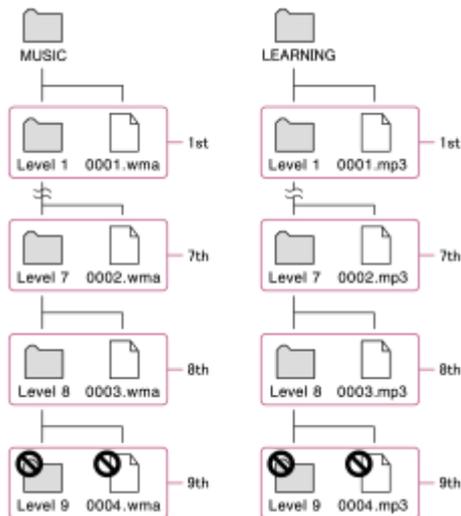
#### Related Topic

- [Obtaining lyrics information](#)
- [Displaying lyrics](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Notes on transferring content from a computer

Drag-and-drop content into the correct folder as shown in the following illustration. The Walkman can play back content stored in the first through eighth level of each folder.



### Note

- Do not rename the following default folders. Otherwise, the Walkman will not recognize the folders.
  - MUSIC
  - LEARNING

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Playing music

To play tracks, first select a category.  
You need to transfer music content from a computer to the Walkman in advance.

### On a Windows computer

- Use Music Center for PC to transfer content from a CD or the computer to the Walkman.
- Drag-and-drop content from Windows Explorer.

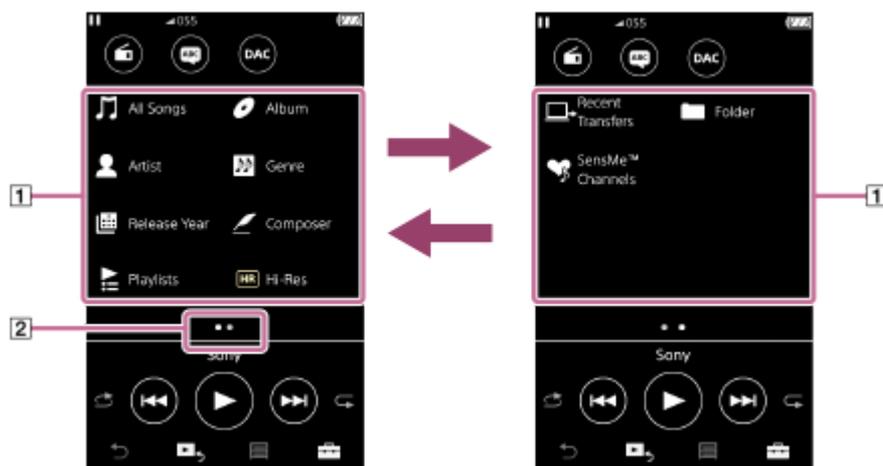
### On a Mac computer

- Use Content Transfer to transfer content from iTunes.
- Drag-and-drop content from Finder.

**1** Tap  to open the library screen.

**2** Tap the desired category ().

You can flick the screen to the left or right to switch pages. The number of dots represents the number of available pages ().



**3** Select subcategories until a track list appears, and then select the desired track.

Playback will start.

### Manual buttons on the Walkman

Operation button	Function
	Press the button to start or pause playback.
	Press the button to skip to the beginning of the current track or the previous track. Hold down the button to fast rewind the track while playing.
	Press the button to skip to the beginning of the next track. Hold down the button to fast forward the track while playing.

## Hint

- You can move tracks, albums, or artists from the music library to the language study library.
  - On the playback screen, tap the menu items in the following order. You can move the current track.  
 – [Move Songs to Language Study].
  - On a track list, album list, or artist list, tap the menu items in the following order. You can move the selected track, album, or artist.  
 – [Move Songs to Language Study].

## Note

- If the Walkman does not play tracks in the order you want, try the following.
  - Use the bookmark function or playlist function on the Walkman.
  - Create playlists with Music Center for PC or iTunes and transfer them.

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## Related Topic

- [Turning the Walkman on or off](#)
- [How to use the various screens on the Walkman](#)
- [Installing Music Center for PC \(Windows\)](#)
- [Library screen](#)
- [Playback screen](#)
- [Preparing music content](#)
- [Transferring content from a Windows computer using Music Center for PC](#)
- [Transferring content using Windows Explorer](#)
- [Transferring content from a Mac computer using Content Transfer](#)
- [Transferring content using Mac Finder](#)
- [Playback methods](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Playback methods

This topic includes instructions for the following operations.

- Setting the playback mode.
- Setting the playback range.

### Setting the playback mode



1. Tap the area (1) or (2) to select a playback mode.

- : Shuffle Playback
- : Repeat 1 Song
- : Repeat All

When and are lit up, the Walkman will play all tracks in the selected playback range randomly. To return to the normal playback mode, tap the icons so that both and darken.

#### Hint

- You can also set the playback mode from the settings menu. Tap – [Settings] – [Playback Settings] ([Basic Settings]). Then, select the desired playback mode from [Play Mode].

### Setting the playback range

1. Tap the menu items in the following order.  
 – [Settings] – [Playback Settings] ([Basic Settings]).
2. Tap the desired playback range from [Playback Range].

#### Diagram of the relationship between playback mode and playback range

Play Mode	Playback Range	
	All Range	Selected Range
	All tracks are played in random order. To shuffle all the tracks on the Walkman, select [All Songs] on the library screen.	Tracks in the selected range

<b>Shuffle Playback</b>	If you select a track from [Album] on the library screen, the Walkman will shuffle all the tracks in the selected album. When the Walkman finishes playing all the tracks in the album, playback will proceed to the next album. Then, the Walkman will shuffle all the tracks in the album.	are played in random order. (*1)
<b>Repeat Off</b>	All tracks are played in sequential order.	Tracks in the selected range are played in sequential order. (*1)
 <b>Repeat 1 Song</b>	The current track is played repeatedly.	The current track is played repeatedly.
 <b>Repeat All</b>	All tracks are played repeatedly. To repeat all the tracks on the Walkman, select [All Songs] on the library screen.	Tracks in the selected range are played repeatedly. (*1)

\*1 "Selected range" means one album or one artist, for example.

### Note

- When you play a track using the [SensMe™ Channels] function, you cannot change the playback mode.
- When you select a track from a bookmark list, the Walkman plays tracks in the selected bookmark list only. Tracks in other bookmark lists will not be played even when [Playback Range] is set to [All Range].
- When you select a track from a playlist, the Walkman plays tracks in the selected playlist only. Tracks in other playlists will not be played even when [Playback Range] is set to [All Range].

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### Related Topic

- [How to use the various screens on the Walkman](#)
- [Playback screen](#)
- [Playing music](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Using [SensMe™ Channels]

The [SensMe™ Channels] function automatically groups tracks by theme. You can play tracks to suit your mood, current activity, the time of day, and more.

To use the [SensMe™ Channels] function on the Walkman, tracks must be analyzed by Music Center for PC before you transfer the tracks. To analyze tracks, activate the 12 TONE ANALYSIS function on Music Center for PC. The tracks that are imported to Music Center for PC will be automatically analyzed and the results will be set to the tracks. For details on operation, see the Music Center for PC support website.

### 1 On the library screen, tap [SensMe™ Channels].

#### Hint

- [SensMe™ Channels] can be used for tracks that were transferred from applications that support the 12 TONE ANALYSIS technology (developed by Sony).
- When you open a channel using the [SensMe™ Channels] function or switch to a different channel, the track is played starting from the most melodic or rhythmical section.
- Tracks are played in random order. Each time you select a channel, the order of playback will be different.

#### Note

- The Walkman only displays channels that contain tracks.

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#### Related Topic

- [Library screen](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Obtaining lyrics information

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To display lyric information on the Walkman, you need to transfer a lyric text file (LRC file) together with the track file to the Walkman.

You can obtain lyric information in the following ways.

- Obtain lyric information via the Internet, and then create a text file (LRC file).
- Input lyrics to a text file (LRC file) by yourself.

For details on LRC files, refer to the relevant topic under [Related Topic].

### Note

- Lyric information is limited to private use only. Use of lyric content for other purposes requires the permission of the copyright holders.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### Related Topic

- [Displaying lyrics](#)
- [Adding lyrics information using a computer](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Displaying lyrics

Transfer tracks with lyrics information to the Walkman. Then, set the Walkman to display lyrics. When lyrics information is available for a track, an icon (  ) lights up.



- 1 On the playback screen, tap  and then [Display Lyrics].

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### Related Topic

- [Obtaining lyrics information](#)
- [Adding lyrics information using a computer](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Managing playlists on the Walkman

You can collect your favorite tracks and save them as playlists on the Walkman. This topic includes instructions for the following operations.

- Adding tracks to playlists on the Walkman.
- Listening to playlists on the Walkman.
- Deleting playlists from the Walkman.

### Adding tracks to playlists on the Walkman

Playlists can be saved either in the internal memory of the Walkman or on the microSD card. You cannot add a track from the internal memory to a playlist on the microSD card or vice versa.

1. Perform one of the following.

- While the Walkman is playing or pausing a track that you want to add to a playlist:  
On the playback screen, tap  and then [Add to Playlist].
- When a list (track list, album list, play queue, etc.) is displayed:  
Tap  beside the desired item in the list to display the pop-up menu. Then, tap [Add to Playlist].

The playlist selection screen will appear.

2. Tap the playlist name to add the track.

#### Hint

- Up to 999 tracks can be added to a playlist.
- You can add a whole list to a playlist. When the play queue screen or the bookmark list screen is displayed, tap  and then [Add All Songs to Playlist].
- You can change the order of tracks in a playlist. Select a playlist from the library screen. Tap  and then [Edit Song Order]. Drag-and-drop  to rearrange the tracks. Tap [Complete] to save the order of tracks.
- You can transfer playlists created using Music Center for PC or iTunes to the Walkman. Playlists in the m3u file format can be managed on the Walkman.

#### Note

- You cannot register cover art images for playlists.

### Listening to tracks in a playlist on the Walkman

1. On the library screen, tap [Playlists].
2. Tap the desired playlist and then tap the desired track.

### Deleting playlists from the Walkman

1. On the library screen, tap [Playlists] to display the list of playlists.
2. Tap  beside the playlist that you want to delete, and then tap [Delete].
3. Follow the onscreen instruction.

## Hint

- You can remove a track from a playlist.  
Display the list of tracks in the playlist and tap  to display the pop-up menu. Then, select [Delete from Playlist].

## Note

- Even if you delete a playlist, the tracks in the playlist will not be deleted from the Walkman.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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## Related Topic

- [Library screen](#)
- [Playback screen](#)
- [Play Queue screen](#)
- [Bookmark List screen](#)

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NW-A45/A45HN/A46HN/A47

## Managing bookmarks on the Walkman

You can add your favorite tracks to bookmark lists. Up to 10 bookmark lists are available. Up to 999 tracks can be added to a bookmark list.

This topic includes instructions for the following operations.

- Adding tracks to bookmark lists.
- Listening to bookmarked tracks on the Walkman.
- Removing tracks from a bookmark list on the Walkman.

### Adding tracks to bookmark lists

1. Perform one of the following.

- While the Walkman is playing or pausing a track that you want to bookmark:  
On the playback screen, tap  and then [Add to Bookmark List].
- When a list (track list, album list, play queue, etc.) is displayed:  
Tap  beside the desired item in the list to display the pop-up menu. Then, tap [Add to Bookmark List].

The bookmark list selection screen will appear.

2. Select the desired bookmark list.

#### Hint

- You can add a whole list to a bookmark list. When the play queue screen or the bookmark list screen is displayed, tap  and then [Add All Songs to Bookmark List].
- You can change the order of tracks in a bookmark list.  
Select a bookmark list. Tap  and then [Edit Song Order]. Drag-and-drop  to rearrange the tracks. Tap [Complete] to save the order of tracks.

#### Note

- You cannot import bookmark lists to a computer.
- You cannot add language study content to bookmark lists.

### Listening to bookmarked tracks on the Walkman

1. Display the bookmark list screen.

2. Tap / to select a list, and then select a track.

### Removing tracks from a bookmark list on the Walkman

1. Tap  beside the track in a bookmark list.

2. Tap [Delete from Bookmark List].

#### Hint

- You can remove all the tracks from a bookmark list.  
On the bookmark list screen, tap  and then [Delete All].

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### **Related Topic**

- [Library screen](#)
- [Playback screen](#)
- [Play Queue screen](#)
- [Bookmark List screen](#)

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NW-A45/A45HN/A46HN/A47

## Deleting tracks from the Walkman

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You can delete tracks from the Walkman.

**1 On the library screen, display one of the following items.**

- To delete tracks, tap the desired category (albums, artists, etc.), and the desired subcategory until a track list appears.
- To delete a folder, tap [Folder] and then the desired folder.

**2 Tap  to display the pop-up menu and tap [Delete].**

Follow the onscreen instructions.

### Hint

- You can also delete tracks on a computer using the following applications. For details on operations, refer to the online help information for each application.
  - Windows: Music Center for PC, Windows Explorer
  - Mac: Content Transfer, Finder

### Note

- When you delete tracks using Windows Explorer or Mac Finder, do not delete or rename the root folder (such as [MUSIC]). Otherwise, the Walkman will not recognize the content.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### Related Topic

- [Library screen](#)

## Connecting the Walkman to an unpaired Bluetooth device for the first time

The BLUETOOTH® function enables wireless connections between devices. The devices need to support Bluetooth wireless technology. A wireless connection is possible at a range of up to 10 meters in an open area. You can use the Bluetooth function for the following operations.

- Listening to music.  
Connect a Bluetooth device such as headphones or speakers. You can listen to music wirelessly.

When you connect Bluetooth devices wirelessly for the first time, the devices must be registered to each other. This registration is called “pairing”. Once the Walkman and the device are paired, you can easily connect the devices in the future.

The following instructions are a basic step-by-step procedure for connecting the Walkman and a Bluetooth device.

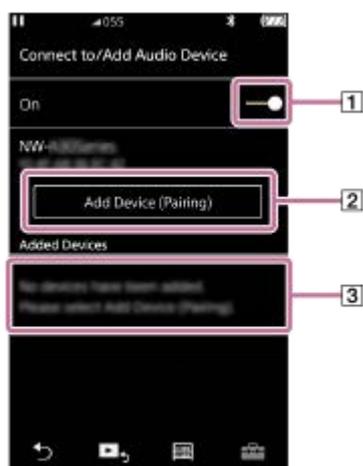
**1 Turn on the Bluetooth function on the Bluetooth device, if necessary.**

**2 On the library screen, tap the menu items in the following order.**  
 – [Settings] – [Connect to/Add Audio Device] ([Bluetooth]).

The Bluetooth connection screen will appear.

**3 Tap the Bluetooth switch () to turn on the Bluetooth function and tap [Add Device (Pairing)] ()**.

 will appear in the information area. A list of the connectable devices will appear on the screen ()



**4 Tap the Bluetooth device.**

If you are required to enter a passkey while pairing, check and enter the passkey for the Bluetooth device. For details on the passkey for the Bluetooth device, refer to the manual of the device. When the connection is established, [Connected] will appear in .

**5 From the library screen, select and play a track.**

The sound will be output from the connected Bluetooth device.

## To disconnect from a paired Bluetooth device

1. While the Bluetooth device is connected, tap the menu items in the following order.

 – [Settings] – [Connect to/Add Audio Device] ([Bluetooth]).

2. Tap the name of the Bluetooth device from [Added Devices].

### Hint

- You can delete registered Bluetooth device. On the list of connectable devices in [Added Devices], tap  beside the name of a Bluetooth device. Then, select [Delete Device].
- The passkey may also be called a “passcode”, “PIN code”, “PIN number”, or “password”.
- The Walkman can stay connected to a Bluetooth device until you turn off the Bluetooth function. When you are not using the Bluetooth function, turn off the Bluetooth function.

### Note

- Pairing information is deleted in the following situations. Pair the devices again.
  - One or both of the devices are reset to the factory settings.
  - Pairing information is deleted from the devices, such as when the devices are repaired.
- The battery life becomes considerably shorter when the Bluetooth function is active.
- You can pair the Walkman with a maximum of 7 devices. If the number of paired devices exceeds the maximum, the Walkman will delete the oldest connected device.
- If the pairing times out before it is finished, perform the procedure again starting from the Bluetooth connection screen.
- There are some restrictions on sound output through a Bluetooth connection.
  - Even if you connect a pair of headphones to a headphone jack, sound will not be output from the headphones. Sound is output from the Bluetooth device preferentially.
  - Even if you connect a speaker to the WM-PORT jack, sound will not be output from the speaker. Sound is output from the Bluetooth device preferentially.
- You cannot listen to FM radio while there is an active Bluetooth connection.
- You cannot listen to played-back sound wirelessly while the USB-DAC function is active.
- If sound is interrupted or skips during a Bluetooth connection, try the following.
  - Place the Walkman and the Bluetooth device closer together.
  - Select [SBC - Connection Preferred] by tapping the following menu items.  
 – [Settings] – [Audio Device Connection Settings] ([Bluetooth]) – [Wireless Playback Quality].
- A Bluetooth connection is terminated automatically in the following cases:
  - The battery of the Walkman has run out.
  - The Walkman is turned off.
- When there is an active Bluetooth connection, the sound quality settings are invalid.

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### Related Topic

- [Connecting the Walkman to a paired Bluetooth device](#)
- [One-touch connections with a Bluetooth device \(NFC\)](#)
- [Configuring the Bluetooth function](#)
- [Notes on the Bluetooth function](#)



Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Connecting the Walkman to a paired Bluetooth device

If the Walkman and a Bluetooth device have been paired before, the Bluetooth device is registered to the Walkman. You can connect the Walkman and the Bluetooth device easily.

**1 Turn on the Bluetooth function on the Bluetooth device, if necessary.**

**2 On the library screen, tap the menu items in the following order.**

 – [Settings] – [Connect to/Add Audio Device] ([Bluetooth]).

The Bluetooth connection screen will appear.

**3 Tap the Bluetooth switch to turn on the Bluetooth function.**

 will appear in the information area.

**4 Tap the Bluetooth device.**

When the connection is established, [Connected] will appear.

**5 From the library screen, select and play a track.**

### To turn the Bluetooth function on or off

1. Tap the menu items in the following order.

 – [Settings] – [Connect to/Add Audio Device] ([Bluetooth]).

2. Tap the Bluetooth switch to turn the Bluetooth function on or off.

### To confirm the information for a device:

Tap  beside the name of the Bluetooth device in the list and tap [Device Information].

### To erase a registered device:

Tap  beside the name of the Bluetooth device in the list and tap [Delete Device].

Follow the onscreen instructions. The pairing information will be erased.

#### Hint

- A shortcut is available for the Bluetooth function. You can tap  on the [Settings] screen. The Walkman will automatically connect to the Bluetooth device that was connected the last time.
- If you connect a USB charger (not supplied), the Walkman will charge while maintaining the Bluetooth connection.
- If multiple names for a Bluetooth device are displayed, check the BD address of the Bluetooth device. For details on the BD address, refer to the manual of the Bluetooth device.
- If the Bluetooth device supports the NFC function, the Walkman and the Bluetooth device can be paired and connected by touching them together.
- The Walkman can stay connected to a Bluetooth device until you turn off the Bluetooth function. When you are not using the Bluetooth function, turn off the Bluetooth function.

## Note

- The battery life becomes considerably shorter when the Bluetooth function is active.
- There are some restrictions on sound output through a Bluetooth connection.
  - Even if you connect a pair of headphones to a headphone jack, sound will not be output from the headphones. Sound is output from the Bluetooth device preferentially.
  - Even if you connect a speaker to the WM-PORT jack, sound will not be output from the speaker. Sound is output from the Bluetooth device preferentially.
- You cannot listen to FM radio while there is an active Bluetooth connection.
- You cannot listen to played-back sound wirelessly while the USB-DAC function is active.
- If sound is interrupted or skips during a Bluetooth connection, try the following.
  - Place the Walkman and the Bluetooth device closer together.
  - Select [SBC - Connection Preferred] by tapping the following menu items.  
 – [Settings] – [Audio Device Connection Settings] ([Bluetooth]) – [Wireless Playback Quality].
- A Bluetooth connection is terminated automatically in the following cases:
  - The battery of the Walkman has run out.
  - The Walkman is turned off.
- When there is an active Bluetooth connection, the sound quality settings are invalid.

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## Related Topic

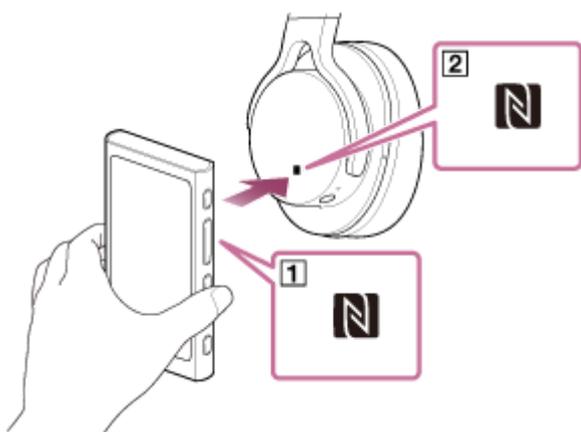
- [Connecting the Walkman to an unpaired Bluetooth device for the first time](#)
- [One-touch connections with a Bluetooth device \(NFC\)](#)
- [Configuring the Bluetooth function](#)
- [Notes on the Bluetooth function](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## One-touch connections with a Bluetooth device (NFC)

If a Bluetooth device supports the NFC function, you can connect the Walkman and the device easily. You can simply touch the Walkman to the device to pair the devices and establish a Bluetooth connection. NFC is for close-range wireless communications.

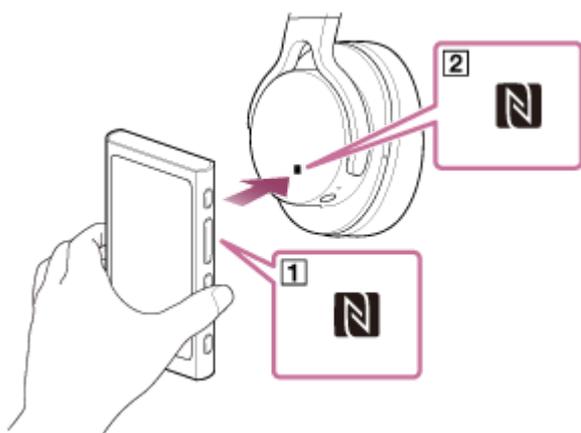
- 1 If the Bluetooth device has an NFC switch, set the NFC switch to on.
- 2 Turn on the Walkman screen.
- 3 Touch the mark on the Walkman (1) to the mark on the Bluetooth device (2).  
Hold them together until instructions appear on the screen of the Walkman.



- 4 Follow the onscreen instructions on the Walkman to complete the connection.
- 5 Once the connection is established, play a track on the Walkman.

### To disconnect the Walkman and the Bluetooth device using the NFC function

Turn on the Walkman screen. Then, touch the devices ( 1 ) and ( 2 ) together again to disconnect.



### To turn off the NFC function

The NFC function is turned on as a default. If you want to turn off the NFC function, tap the menu items in the following order to remove the check mark.

 – [Settings] – [NFC] ([Bluetooth]).

### Hint

- Take the following measures if the connection is poor.
  - Move the Walkman over the mark on the Bluetooth device ().
  - If your Walkman is inside a case, take it out of the case.
  - Make sure that the NFC function is on. Tap  and then [Settings]. Confirm that there is a check mark in the check box for [NFC] ([Bluetooth]).

### Note

- The battery life becomes considerably shorter when the Bluetooth function is active.
- You cannot connect the Walkman to a Bluetooth device using NFC while the following functions are active.
  - The USB-DAC function
  - The FM radio function

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### Related Topic

- [Turning the Walkman on or off](#)
- [Configuring the Bluetooth function](#)
- [Notes on the Bluetooth function](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Configuring the Bluetooth function

---

This topic includes instructions for the following operations.

- Selecting the playback quality for Bluetooth streaming.
- Selecting the volume setting for Bluetooth streaming
- Checking Bluetooth information.

### Selecting the playback quality for Bluetooth streaming

You can select the combination of codecs and preferences for Bluetooth streaming.

1. On the playback screen, tap the menu items in the following order.  
 – [Settings] – [Audio Device Connection Settings] ([Bluetooth]) – [Wireless Playback Quality].
2. Tap the desired item.

#### Note

- The setting for [Wireless Playback Quality] will take effect starting the next time you turn on the Bluetooth function.
- The [Wireless Playback Quality] setting may not be effective depending on the settings of the Bluetooth device.

### Selecting the volume setting for Bluetooth streaming

Depending on the Bluetooth device, the volume may not be adjustable using the Walkman.  
In this case, try [Use Enhanced Mode].

1. On the playback screen, tap the menu items in the following order.  
 – [Settings] – [Audio Device Connection Settings] ([Bluetooth]) – [Use Enhanced Mode].

### Checking Bluetooth information

1. On the playback screen, tap the menu items in the following order.  
 – [Settings] – [Bluetooth Information] ([Bluetooth]).  
Information such as the Bluetooth version and profile will appear.

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#### Related Topic

- [Connecting the Walkman to an unpaired Bluetooth device for the first time](#)
- [Connecting the Walkman to a paired Bluetooth device](#)
- [One-touch connections with a Bluetooth device \(NFC\)](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Notes on the Bluetooth function

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- Depending on the Bluetooth device, network environment, and surrounding conditions, noise may be heard or the sound may be interrupted. To optimize Bluetooth communications, observe the following.
  - Place the Walkman and the Bluetooth device as close together as possible. The Bluetooth standard supports distances of up to 10 meters (32.8 feet).
  - Turn the built-in Bluetooth antenna (aerial) in the direction of the connected Bluetooth device.
  - Do not block the antenna (aerial) with a metal object such as a bag or case.
  - Do not block the antenna (aerial) with a body part such as a hand.
  - Do not block the antenna (aerial) by placing the Walkman inside a backpack or shoulder bag.
  - Do not block the antenna (aerial) by using the Walkman in a crowded place.
  - Avoid areas where electromagnetic waves are emitted. For example, near microwave ovens, mobile phones, mobile gaming devices, or wireless LAN environments.
- Due to a characteristic of Bluetooth wireless technology, the sound may lag slightly.
- Bluetooth radiation may affect the operation of electronic medical devices. Turn off the Walkman and other Bluetooth devices in the following locations.
  - in hospitals
  - near priority seats on trains
  - on airplanes
  - in places where flammable gases are present (gas stations, etc.)
  - near automatic doors
  - near fire alarms
- The Walkman supports security functions that comply with the Bluetooth standard. Sony bears no responsibility whatsoever for information leaks that occur as a result of your Bluetooth connection.
- Even if a Bluetooth device conforms to the standard, all connections and correct operations are not guaranteed.
- Depending on the Bluetooth device, it may take some time to establish a Bluetooth connection.

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### Related Topic

- [Parts and controls](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Enjoying music content on a computer with Walkman sound quality (USB-DAC function)

You can enjoy music content stored on a computer through the Walkman, without transferring the content to the Walkman. Because the sound quality settings of the Walkman also apply to the output sound, music content on the computer can be played with the same sound quality as the Walkman.

The following applications are compatible with the USB-DAC function. They are recommended for use with the Walkman.

- Windows: Music Center for PC
- Mac: Hi-Res Audio Player for Mac

### Note

- While the USB-DAC function is turned on, the Walkman can only be used as a USB-DAC device. To use the Walkman as a music player, turn off the USB-DAC function.
- Music content cannot be transferred while the USB-DAC function is turned on.

### 1 Install the USB-DAC compatible application on a computer.

- Windows:
  - Music Center for PC: To install the application, access the customer support website. (<http://www.sony.net/smc4pc/>) Refer to the appropriate topic under [Related Topic].
  - Sony USB Device Driver: Access the customer support website to install Sony USB Device Driver. Follow the onscreen instructions.
- Mac:  
Hi-Res Audio Player for Mac: Access the customer support website to install the application. Follow the onscreen instructions.

### 2 On the computer, configure the settings for USB-DAC.

For details on the settings, refer to the following information.

- Windows: Online help information for Music Center for PC
- Mac: Online help information for Hi-Res Audio Player on the customer support website.

### 3 On the Walkman, tap to open the library screen, and then tap .

### 4 When a message is displayed, tap [OK].

### 5 Connect the Walkman to the computer via USB.

You can adjust the volume on the [USB DAC] screen.

## To go back to the music playback function

Tap  in the top left of the screen.

When a message is displayed, tap [OK].

## Hint

- If you do not want the Walkman to charge from the computer, remove the check mark from [Charge this player from the connected device]. Tap the menu items in the following order.  
 – [Settings] – [USB DAC Settings] ([Function Settings]) – [Charge this player from the connected device].  
However, if the USB port on the computer is set to supply power constantly to the connected device, the Walkman may be charged by the computer.

## Note

- While the USB-DAC function is active, the following functions are disabled.
  - The Noise Canceling function
  - Ambient Sound Mode
- You cannot listen to played-back sound wirelessly while the USB-DAC function is active.

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## Related Topic

- [Installing Music Center for PC \(Windows\)](#)
- [Adjusting the sound quality settings](#)
- [How to use the various screens on the Walkman](#)
- [USB-DAC screen](#)
- [Customer support website](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Adjusting the sound quality settings

The Walkman has various settings for adjusting the sound quality.

### From the [Settings] menu

On the playback screen, tap  and then [Settings].

You can set the following sound settings from the menu listed under [Sound] or [Headphones].

#### ClearAudio+™

This function automatically applies the recommended sound quality settings to the output sound.

#### Clear Phase™

This function optimizes the sound characteristics for the headphones you are using.

### From the [Settings] – [Sound Settings] menu

On the playback screen, tap the menu items in the following order.

 – [Settings] – [Sound Settings] ([Sound]).

You can also adjust the following settings from the sound quality setting screens.

#### Equalizer

You can select an equalizer setting to suit the musical genre that you are listening to. You can also preset your equalizer settings as a custom setting.

#### DSEE HX

This function upscales the sound quality of audio files. The sound quality will become almost equal to that of High-Resolution Audio. The function reproduces the clear high-range sound that is often lost.

#### DC Phase Linearizer

This function adjusts low-frequency phase shifts to reproduce the audio characteristics of analog amplifiers.

#### VPT (Surround)

This function applies a surround effect and enriches the sound reproduction quality of the audio playback. VPT (Virtualphones Technology) is a proprietary sound processing technology developed by Sony.

#### Dynamic Normalizer

You can moderate the change in volume between tracks to minimize differences in volume level.

#### Note

- When there is an active Bluetooth connection, the sound quality settings are invalid.
- [Clear Phase™ ] cannot be set in the following cases.
  - When [ClearAudio+] is set to [On].
  - When you have selected [Other Headphones] for the [Headphones] setting.
- You cannot adjust [Sound Settings] in the following cases.
  - When [ClearAudio+] is set to [On].

- The sound quality settings do not apply to FM radio.

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### **Related Topic**

- [How to use the various screens on the Walkman](#)
- [Sound quality setting screens](#)

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## Using the Noise Canceling function

The Noise Canceling function reduces ambient noise. You can enjoy music at a low volume. You need a pair of headphones equipped with the Noise Canceling function. The following headphones are compatible with the Walkman.

- IER-NW500N
- IER-NW500NE
- MDR-NW750N
- MDR-NW750NE

This topic includes instructions for the following operations.

- Selecting the headphones.
- Turning on the Noise Canceling function.
- Selecting a Noise Canceling environment.
- Adjusting the Noise Canceling level.

### 1 Select the Noise Canceling headphones.

On the playback screen, tap  and then [Settings]. Then, select the Noise Canceling headphones from the pull-down menu under [Headphones].

### 2 Turn on the Noise Canceling function.

After you select the Noise Canceling headphones, tap [Noise Canceling]. The settings menu for [Noise Canceling] will appear. Tap the Noise Canceling switch to turn on the function.

 will appear in the information area.

### 3 Configure the settings for the Noise Canceling function, if necessary.

- [Select Environment]:  
You can select a type of noise cancelation to match the current environment. [Full-auto AINC] automatically sets the most effective Noise Canceling mode.
- [Adjust Noise Canceling]:  
You can adjust the Noise Canceling effect. Adjust the effect using the slider.

## To turn off the Noise Canceling function

1. Tap the menu items in the following order.  
 – [Settings] – [Noise Canceling] ([Headphones]).
2. Tap the Noise Canceling switch to turn off the function.

### Hint

- A shortcut is available for the Noise Canceling function. You can tap  on the [Settings] screen to turn the Noise Canceling function on or off.
- When you have selected Noise Canceling headphones, you can enable [Clear Phase™].
- Select [Other Headphones] to use headphones that do not support the Noise Canceling function.

- The sound may skip when you listen to the Walkman on public transportation. This is caused by the Noise Canceling system and is not a malfunction. Sound skipping may be reduced if you adjust the Noise Canceling effect.

### Note

- Use headphones that are compatible with the Noise Canceling function. Otherwise, the Noise Canceling function will not work.
- Select an appropriate earbud size to enjoy the full effects of the Noise Canceling function.
- You may hear rubbing noises while wearing headphones. This is not a malfunction.
- The Noise Canceling function mainly reduces noise in low frequency bands. This function does not cancel all noise.
- Do not cover the microphone part of the headphones.
- When the Noise Canceling function is operating correctly, you may hear a slight hissing noise. This is not a malfunction.
- Keep the Walkman away from mobile phones or smartphones. These devices may cause noise.
- Turn off the Noise Canceling function in quiet places where the Noise Canceling may not be effective.
- Remove headphones from your ears before you connect them to the Walkman. Also remove the headphones from your ears before you disconnect them from the Walkman. Large noise may be generated when the headphones are connected or disconnected.
- You may hear noise when you turn the Noise Canceling function on or off. This is not a malfunction.
- The Noise Canceling function is disabled while the following functions are active.
  - The USB-DAC function
  - Ambient Sound Mode

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### Related Topic

- [Using the \[Clear Phase™ \] function](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## What is Ambient Sound Mode?

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Ambient Sound Mode uses the microphones built into the headphones that support Ambient Sound Mode to allow you to hear ambient sound even while wearing headphones. Pay attention to the sounds around you to enjoy listening to music safely.

### Note

- Ambient Sound Mode allows you to hear ambient sound even while wearing headphones. However, note that this mode does not enable you to hear all sounds around you. Ambient sound may not be heard well depending on the surrounding environment, type of the music being played on your Walkman, or the volume level. Be very careful when using the headphones in places where an inability to hear ambient sound would be dangerous (such as on roads where there is car or bicycle traffic).
- Ambient Sound Mode may not function properly if you use the headphones with earbuds that do not fit your ears. Use earbuds of an appropriate size to fit your ears comfortably and snugly.

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### Related Topic

- [Using Ambient Sound Mode](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Using Ambient Sound Mode

You can enjoy music while monitoring ambient sounds.

Use the IER-NW500N/NW500NE when you use Ambient Sound Mode. Do not use headphones that are incompatible with Ambient Sound Mode.

### 1 Select the headphones that are compatible with Ambient Sound Mode.

On the playback screen, tap  and then [Settings]. Then, select the [IER-NW500N/NE] from the pull-down menu under [Headphones].

### 2 Turn on Ambient Sound Mode.

After you select the headphones, tap [Ambient Sound Mode]. The setting menu for Ambient Sound Mode will appear. Tap the Ambient Sound Mode switch to turn on the function.

**AMB** will appear in the information area.

### 3 Adjust the settings for Ambient Sound Mode, if necessary.

- [Ambient Sound Level]:  
You can adjust the monitoring level of ambient sound.

## To turn off Ambient Sound Mode

1. Tap the menu items in the following order.

 – [Settings] – [Ambient Sound Mode] ([Headphones]).

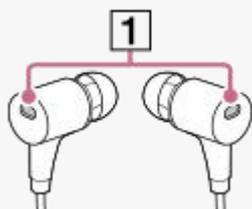
2. Tap the Ambient Sound Mode switch to turn off the function.

### Hint

- A shortcut is available for Ambient Sound Mode. You can tap  on the [Settings] screen to turn the Ambient Sound Mode on or off.
- Select [MDR-NW750N/NE] or [Other Headphones] to use headphones that do not support Ambient Sound Mode.

### Note

- Note that a howling sound may be produced in the following situations. Do not cover the microphone parts on the headphones. (  )
  - You are using incompatible headphones.
  - You cover the microphone part while you are using Ambient Sound Mode.
  - You hold the headphones in your hands while you are using Ambient Sound Mode.



- Depending on the surrounding environment or the volume of the ambient sounds, Ambient Sound Mode may turn off temporarily. This is not a malfunction. Adjust the level setting for Ambient Sound Mode ([Ambient Sound Level]). It may improve the problem.
- When you disconnect the headphones from the Walkman, turn off Ambient Sound Mode beforehand.
- If you cannot hear the ambient sounds well, try changing [Ambient Sound Level]. This setting may improve the level of the ambient sounds.
- Depending on the surrounding environment, a rubbing noise may be noticeable. (Rubbing noise refers to a noise generated when the headphone cable rubs against clothing or when hair rubs against the headphones, etc.) In this case, adjust [Ambient Sound Level]. The rubbing noise may be reduced.
- Ambient Sound Mode is disabled while the following functions are active.
  - The USB-DAC function
  - The FM radio function
  - The Noise Canceling function

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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#### **Related Topic**

- [What is Ambient Sound Mode?](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Using the [Clear Phase™ ] function

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You can enjoy the full effects of the Noise Canceling or [Clear Phase™ ] function by selecting the compatible headphones.

- 1 On the library screen, tap  and then [Settings].
- 2 Select [IER-NW500N/NE] or [MDR-NW750N/NE] from the pull-down menu under [Headphones].
- 3 Tap [Clear Phase™ ] to add a check mark.

### Hint

- [Clear Phase™ ] cannot be set when [ClearAudio+] is set to [On].
- [Clear Phase™ ] can only be set when you have selected [IER-NW500N/NE] or [MDR-NW750N/NE].
- Select [Other Headphones] to use headphones that do not support the Noise Canceling function. When [Other Headphones] is selected, you cannot enable the Noise Canceling function or the [Clear Phase™ ] function.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### Related Topic

- [Using the Noise Canceling function](#)
- [Adjusting the sound quality settings](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Preparing language study content

---

You need to transfer tracks to the [LEARNING] folder on the Walkman before you can use the language study function. You can use the following methods to transfer language study content.

- On the Walkman:
  - You can move tracks, albums, or artists from the music library to the language study library.
    - On the playback screen, tap the menu items in the following order. You can move the current track.  
 – [Move Songs to Language Study].
    - On a track list, album list, or artist list, tap the menu items in the following order. You can move the selected track, album, or artist.  
 – [Move Songs to Language Study].
- In Music Center for PC:
  - Specify the genre for the language study content, and then transfer the content to the Walkman.
- In Windows Explorer or Mac Finder:
  - Drag and drop the language study content to the [LEARNING] folder on the Walkman.

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The contents of the Help Guide may be subject to change without notice due to updates to the product's specifications.

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### Related Topic

- [Transferring language study content from a Windows computer using Music Center for PC](#)
- [Transferring language study content using Windows Explorer](#)
- [Transferring language study content using Mac Finder](#)
- [Using the language study function](#)

## Using the language study function

The language study function provides the following useful functions for language learning.

- DPC (Digital Pitch Control)
- A-B Repeat
- Quick Replay

**1** On the library screen, tap .

The Walkman will switch to the language study function. Then, the library screen for the language study function will appear.

**2** Select a category and subcategories until a track list appears, and then select a track.

Playback will start.

### Useful functions for playback



**1** DPC (Digital Pitch Control)

You can change the playback speed.

**2** A-B Repeat

- Tap [A] to set a start point. Then, tap [B] to set an end point. The Walkman will play the section from [A] to [B] repeatedly.
- Tap  to go back to the point [A].
- Tap  to jump to the next track. A-B Repeat function will be off.
- If you want to listen to the whole track, tap .

**3** Quick Replay

You can jump 10 seconds back, 3 seconds back, or 5 seconds ahead in the track.

### To go back to the music playback function

Tap  at the top left of the library screen.

- You can move tracks, albums, or artists from the language study library to the music library.
  - On the playback screen, tap the menu items in the following order. You can move the current track.  
 – [Move Songs to Music].
  - On a track list, album list, or artist list, tap the menu items in the following order. You can move the selected track, album, or artist.  
 – [Move Songs to Music].

### Note

- There needs to be at least one second between the start point (A) and the end point (B) for the A-B Repeat function.
- High-Resolution Audio files will be converted to PCM format.

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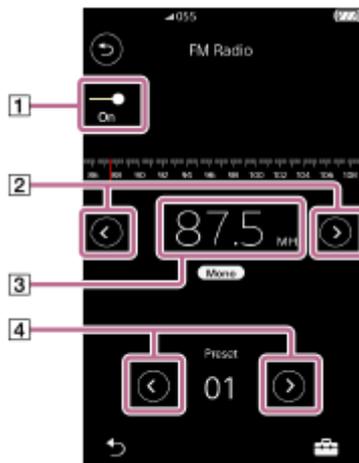
### Related Topic

- [How to use the various screens on the Walkman](#)
- [Library screen](#)
- [Language Study screen](#)
- [Preparing language study content](#)
- [Transferring language study content from a Windows computer using Music Center for PC](#)
- [Transferring language study content using Windows Explorer](#)
- [Transferring language study content using Mac Finder](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Listening to FM radio broadcasts

Connect a pair of headphones to listen to FM radio. The headphone cord works as an antenna.



1 Connect a pair of headphones to the Walkman.

2 On the library screen, tap .

The Walkman will switch to the FM radio function.  
The FM radio switch (1) will turn on automatically.

3 Tap  /  (2) repeatedly to select a frequency (3).

If you have preset a broadcast station, tap  /  (4) repeatedly to select the preset station.

### To scan the previous or next receivable station

Hold down  /  (2). The Walkman will start searching and stop when it receives a broadcast.

### To change the scan sensitivity

Tap  and then [FM Radio Settings]. Then, tap the desired setting for [Scan Sensitivity].

### To change the monaural/auto setting

Tap  and then [FM Radio Settings]. Then, tap the desired setting for [Mono/Auto].

#### Note

- Sound quality settings do not apply to FM radio.
- You cannot listen to FM radio while there is an active Bluetooth connection.
- If you disconnect the headphones while you are listening to the FM radio, the FM radio switch will turn off automatically. Even if you reconnect the headphones, the switch will not turn back on automatically. To listen to the FM radio again, reconnect the headphone and tap the FM radio switch again.
- The radio reception may not be stable if you use headphones other than the following.
  - IER-NW500N/NW500NE
  - MDR-NW750N/NW750NE

- While the FM radio function is active, Ambient Sound Mode is disabled.

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### **Related Topic**

- [How to use the various screens on the Walkman](#)
- [Library screen](#)
- [FM Radio screen](#)
- [Presetting FM radio stations](#)

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NW-A45/A45HN/A46HN/A47

## Presetting FM radio stations

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You can preset FM radio stations either automatically or manually.

### Presetting FM radio stations automatically

1. In the FM radio function, tap the menu items in the following order.

 – [Auto Preset] – [OK].

Receivable broadcast stations will be preset in order of frequency.

### Presetting FM radio stations manually

1. In the FM radio function, tune to a broadcast station.

2. Tap  and then [Save to Preset].

#### Hint

- To delete a preset broadcast station, tap  and then [Delete from Preset] while you are tuned to the station.
- You can preset up to 30 stations.

#### Note

- Tapping [Auto Preset] clears all previous presets.

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#### Related Topic

- [FM Radio screen](#)
- [Listening to FM radio broadcasts](#)

## Using USB Mass Storage mode

When you connect the Walkman to a Windows computer, the following modes are available.

### USB Mass Storage mode

- The computer uses the Walkman as a USB storage device.
- Data can be transferred between the computer and the Walkman.
- You can access the [WALKMAN] and [SD\_CARD] folders directly to manage files.
- The Walkman charges via the computer.
- You cannot operate the Walkman.

### USB mode

- The Walkman charges via the computer.
- You can operate the Walkman while the Walkman is connected to the computer.
- Data cannot be transferred.

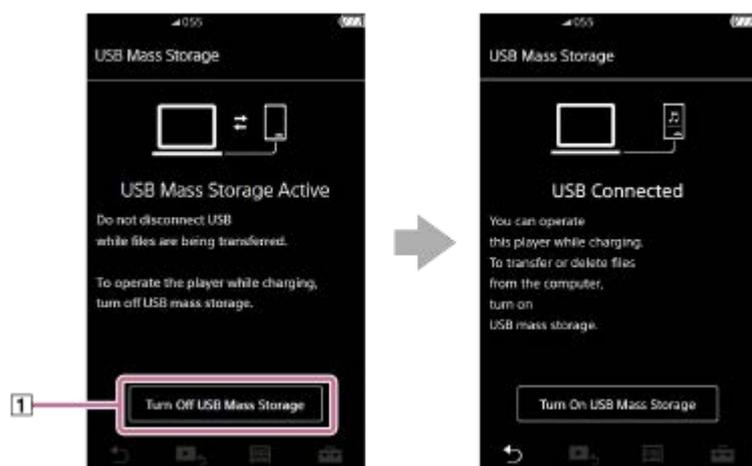
This topic includes instructions for the following operations.

- Switching from USB Mass Storage mode to the USB mode
- Switching from USB mode to the USB Mass Storage mode

### Switching from USB Mass Storage mode to USB mode

When you connect the Walkman to a computer, the Walkman enters USB Mass Storage mode.

1. Tap [Turn Off USB Mass Storage] (1).  
The USB mode screen will appear.



2. Tap .
- The screen will return to the previous display.

### Switching from USB mode to USB Mass Storage mode

Depending on the selected function,  or [USB Connection Settings] may not appear on the Walkman display. In this case, tap  to return to the library screen for the music playback function.

1. Tap the menu items in the following order.

 – [Settings] – [Device Settings] ([Basic Settings]) – [USB Connection Settings] – [Turn On USB Mass Storage] – [OK].

### Note

- Before you disable USB Mass Storage mode, we recommend that you perform [Safely Remove Hardware] on the computer.
- Do not disconnect the Walkman while transferring content between the Walkman and the computer. Doing so will damage the data.  
On the computer screen, confirm that the data has finished transferring properly.

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### Related Topic

- [Charging the battery](#)

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NW-A45/A45HN/A46HN/A47

## Restarting the Walkman

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Restart the Walkman if operations become unstable or the Walkman freezes.

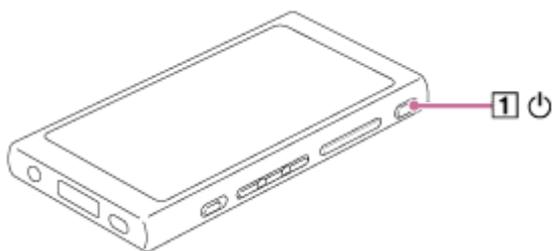
Restarting will not delete any data and pairing information.

However, perform the following before you restart the Walkman.

Otherwise, the data on the Walkman may be damaged.

- Disconnect the Walkman from the computer.
- Stop playback.

**1** Hold down the button (  ) for 8 seconds until the Walkman restarts.



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### Related Topic

- [Resetting/Formatting/Initializing the Walkman](#)
- [Formatting a microSD card](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Resetting/Formatting/Initializing the Walkman

This topic includes instructions for the following operations.

- Resetting the Walkman.
- Formatting the memory of the Walkman.
- Rebuilding the database on the Walkman.
- Initializing the Walkman.

Confirm the details of each function. Then, select the appropriate menu item for your needs.

**1** On the library screen, tap the menu items in the following order.  
 – [Settings] – [Device Settings] ([Basic Settings]) – [Reset/Format].

**2** Tap the operation that you want to execute.

Follow the onscreen instructions. Make sure to confirm the messages carefully.

[Reset All Settings]	This operation resets all setting parameters to the default settings. If you select this operation, the Walkman will restart automatically.
[Format System Storage]	This operation formats the internal memory of the Walkman. Note that all data (including sample data) stored on the Walkman will be deleted. Save a backup copy of important data.
[Rebuild Database]	This operation rebuilds the database on the Walkman. You can rebuild the database manually.
[Restore to Factory Configuration]	This operation initializes both the settings and internal memory. You can restore the Walkman to its default settings. All transferred data will be erased. However, the Walkman will restore its preinstalled sample content and installers as default settings. If you select this operation, the Walkman will restart automatically and the initial setup wizard will launch.

### Hint

- Even if you perform [Reset All Settings], the following settings will not be changed.
  - Elapsed time of the selected track
  - The bookmark list (1 through 10)
  - User settings for the library screen
  - Information on recently transferred content
  - Preset FM radio stations
  - Clock settings
  - Language settings

### Note

- Sony does not guarantee performance if you format the memory of the Walkman using a computer.

- If you execute [Restore to Factory Configuration]/[Reset All Settings], pairing information for Bluetooth devices will be deleted from the Walkman.
- If you rebuild the database, the following information will be erased.
  - Elapsed time of the selected track
  - Playback order

---

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### **Related Topic**

- [Restarting the Walkman](#)
- [Formatting a microSD card](#)

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NW-A45/A45HN/A46HN/A47

## Formatting a microSD card

---

You can format a microSD card on the Walkman.

Formatting the microSD card will delete all data stored on the card. Save a backup copy in advance. Be careful not to delete important data.

- 1 **On the library screen, tap the menu items in the following order.**  
 – [Settings] – [Device Settings] ([Basic Settings]) – [Reset/Format] – [Format SD Card].

Follow the onscreen instructions. Make sure to confirm the messages carefully.

### Note

- Format the microSD card on the Walkman. Otherwise, some functions of the Walkman may be limited.

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### Related Topic

- [Restarting the Walkman](#)
- [Resetting/Formatting/Initializing the Walkman](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Checking information on the Walkman

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You can check information such as the model name and system software version.

- 1 On the library screen, tap the menu items in the following order.  
 – [Settings] – [Unit Information] ([Other]).

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### Related Topic

- [Updating the Walkman system software](#)

Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Updating the Walkman system software

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You can update the software of the Walkman.  
You will receive update notices by the following methods.

- From Music Center for PC (You will receive update notices automatically.)
- From the customer support website (Access the site manually to receive update notices.)

Access the customer support website to get the latest information.  
The following procedure describes how to update the software from the customer support website.  
For details on how to install the program, refer to the customer support website.

- 1 Download the update program to a computer from the website.**
- 2 Connect the Walkman to the computer.**
- 3 Launch the update program.**
- 4 Follow the onscreen instructions.**

### Hint

- To check the version information for the Walkman, tap the menu items in the following order.  
 – [Settings] – [Unit Information] ([Other]).

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### Related Topic

- [Customer support website](#)
- [Restarting the Walkman](#)
- [Resetting/Formatting/Initializing the Walkman](#)
- [Checking information on the Walkman](#)

## Using shortcut buttons from the quick setting panel

Shortcut buttons for some functions are available in the quick setting panel. You can activate certain functions directly without scrolling in the [Settings] menu.

- 1 Tap  and then [Settings].
- 2 Tap the shortcut button for the desired function.



### Available functions

Shortcut button	Function
	Tap the button to adjust the screen brightness. You can select a value from 1 to 100.
	Tap the button to turn the Noise Canceling function on or off.
	Tap the button to turn the Ambient Sound Mode on or off.
	Tap the button to turn the Bluetooth function on or off. When the Bluetooth function is turned on, the Walkman will automatically connect to the device that was connected the last time.

#### Note

- The Noise Canceling function is not effective if the connected headphones are different from the designated ones.
- The Noise Canceling function is not available if [Other Headphones] is selected as the [Headphones] setting.
- Ambient Sound Mode is not effective if the connected headphones are different from the designated ones.
- Ambient Sound Mode is not available if [MDR-NW750N/NE] or [Other Headphones] is selected as the [Headphones] setting.
- Pair the Walkman and the Bluetooth device (audio device or remote control) in advance.

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### **Related Topic**

- [Connecting the Walkman to an unpaired Bluetooth device for the first time](#)
- [Using the Noise Canceling function](#)
- [Using Ambient Sound Mode](#)

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NW-A45/A45HN/A46HN/A47

## Settings menu

You can adjust various settings from the Settings menu.  
To enter the Settings menu, tap  and then [Settings].  
You can select the Settings menu on the following screen.

- Library screen
- Playback screen
- Play Queue screen
- Bookmark list screen

### Basic Settings

Playback Settings	Play Mode
	Playback Range
	Sleep Timer
	Artist List Display
	Display Lyrics
Output Settings	Headphone Output
	USB Output for DSD
	DSD Playback Settings
Device Settings	Beep Settings
	Disable touch panel when the HOLD switch is on
	Screen Off Timer
	Mount/Unmount SD Card
	USB Connection Settings
	Auto Power Off
	Battery Care
	Clock Settings
	Language Settings
	Reset/Format

#### Note

- Operating sounds ([Beep Settings]) are not output while sound is being played back via a connected Bluetooth device.
- The Walkman does not display a clock. The clock setting is used for data management.

### Sound

ClearAudio+ (On/Off)	–
Sound Settings	Equalizer
	DSEE HX
	DC Phase Linearizer
	VPT (Surround)
	Dynamic Normalizer

## Headphones

IER-NW500N/NE	–
MDR-NW750N/NE	
Other Headphones	
Noise Canceling	On/Off
	Select Environment
	Adjust Noise Canceling
Ambient Sound Mode	On/Off
	Ambient Sound Level
Clear Phase™ (On/Off)	–

## Bluetooth

Connect to/Add Audio Device	On/Off
	Add Device (Pairing)
	Added Devices
Audio Device Connection Settings	Wireless Playback Quality
	Use Enhanced Mode
Remote Control Settings (*1)	On/Off
	Added Remote Control
	Add Remote Control
	Delete Remote Control
NFC (On/Off)	–
Bluetooth Information	Bluetooth Version/Device Name/Bluetooth Device Address/Profile/Version

\*1 The menu item is only available on models sold in certain countries or areas.

## Function Settings

Language Study Settings	Play Mode
FM Radio Settings	Scan Sensitivity

	Mono/Auto
USB DAC Settings	Charge this player from the connected device

## Other

Unit Information	Model name, firmware version, total number of tracks, etc.
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NW-A45/A45HN/A46HN/A47

## Notes on handling the Walkman

Read the notes below and follow the instructions to use the Walkman safely.

- Consult a doctor if you become injured or burned from using the product.
- Contact the nearest Sony dealer or Sony Service Center if the Walkman does not operate properly.
- Observe the following precautions. Otherwise, an explosion, fire, electric shock, burns, or injury may result.
  - Do not expose the Walkman to fire.
  - Do not allow metallic objects to get inside the Walkman.
  - Do not short-circuit the terminals of the Walkman with metallic objects.
  - Do not take apart or modify the Walkman.
  - Do not use the Walkman when you see lightning or hear thunder.
  - Do not use the Walkman if it causes an uncomfortable reaction on your skin.
- Observe the following precautions. Otherwise, you may damage the casing or cause the Walkman to malfunction.
  - Do not place the Walkman in direct sunlight.
  - Do not place the Walkman in locations where the temperature is extremely high.
  - Do not leave the Walkman in direct sunlight. Do not leave the Walkman in a car with all the windows closed, especially during the summer.



- Do not place the Walkman in locations where it is exposed to vibration.
- Do not drop the Walkman from heights.
- Do not apply a strong force or shock to the Walkman.
- Do not place the Walkman in locations where there is magnetization. For example, do not place the Walkman near a magnet, speakers, or a TV.
- Do not turn on the Walkman right after you move it from a cold environment to a warm environment.
- Do not use the Walkman in damp locations, such as in a bathroom or a sauna.
- Do not place the Walkman on an unstable surface or in an inclined position.
- Do not sit down when the Walkman is inserted in your pocket.



- Do not use the Walkman in locations where it is exposed to excessive dust.
- When you store the Walkman in a bag, do not apply strong impacts to the bag. In particular, avoid storing the Walkman in a bag with the headphone cord or earphone cord wrapped around the Walkman.



- The Walkman is neither waterproof nor dustproof. Observe the following precautions. Otherwise, the Walkman may become inoperable because of short-circuited terminals or corroded metal.
  - Do not drop the Walkman into water.

- Do not use the Walkman in humid locations or during wet weather such as rain or snow.
- Do not place the Walkman against your body or clothes when you are sweating.
- Do not touch the Walkman with wet hands.



- Comply with announcements regarding the use of electronic devices when you are on an airplane.
- Heat may build up in the Walkman in the following situations, but this is not a malfunction. However, be careful because there is a risk of low-temperature burns.
  - While the battery is charging.
  - While the Walkman is playing for an extended period of time.
- Do not apply strong force to the surface of the display. Strong force may cause the following problems.
  - Distorted colors or brightness.
  - A malfunction of the display.
  - Injury from a cracked display.
- The Walkman screen is made of glass. The glass may crack if you drop the Walkman on a hard surface or if you apply strong force to the screen. Be careful when you handle the Walkman. If the glass is cracked or chipped, do not use the Walkman or touch the damaged part. Otherwise, you may get injured.
- When you use a strap, note the following.
  - The strap can get caught on objects around you. Be careful to avoid the risk of strangulation.
  - Be careful not to swing the Walkman while holding the strap. You may hit someone with the Walkman.
- Content that you record is for personal use only. Under copyright law, the content cannot be used without the permission of the copyright holder.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Notes on the headphones

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### Road safety

Do not use headphones in the following situations.

- While you are driving a car or riding a motorcycle or bicycle.
- Places where impaired hearing is dangerous. For example, on train platforms, in areas where there is vehicle traffic, or near construction sites.

### Preventing hearing damage

Observe the following to protect your hearing.

- Keep the volume at a moderate level. Do not listen to audio content at high volumes for an extended period of time.
- Do not turn up the volume suddenly.

### About the in-ear headphones

- When you use in-ear headphones with a high degree of adhesion, note the following. Otherwise, you may damage your ears or eardrums.
  - Do not insert the earbuds forcefully into your ears.
  - Do not remove the earbuds from your ears suddenly. When you take off the headphones, move the earbuds up and down gently.
- When you unplug the headphones from the Walkman, hold the headphones by the plug. Pulling the cord itself may damage the headphones.
- Do not sleep while you are wearing headphones. The cord may become wrapped around your neck while you are sleeping.

### Consideration for others

Avoid using the Walkman in environments where sound leakage will disturb others.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Notes on the built-in battery

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Do not touch the rechargeable battery with your bare hands if the battery is leaking. The battery liquid may cause burns or blindness. If the liquid contacts your body or clothes, wash the liquid off immediately with clean water.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Notes on the software

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- Copyright laws prohibit the following actions without the permission of the copyright holder.
  - Reproducing the software or the manual in whole or in part.
  - Loaning out the software
- In no event will Sony be held liable for any of the following incidents that may arise out of the use of the supplied software.
  - Financial damage
  - Loss of profits
  - Claims made by third parties
- The supplied software cannot be used with devices for which it is not designated.
- Please note that the software specifications may be changed without notice for quality improvement.
- The explanations in this manual assume that you are familiar with the basic operations of a computer.
- For details on the use of computers and operating systems, refer to their respective manuals.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Notes on the sample data

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Sample music is pre-installed on the Walkman for trial listening.  
Sample data is not installed in some countries or regions.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## General Information

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- Charging time and playback time depend on the following conditions.
  - The number of times you have charged the battery
  - Operating temperature
- When the battery is sufficiently charged but the battery life has dropped to about half of its normal span, the battery may be worn out.
- A lithium-ion rechargeable battery is built into the Walkman. When you store the Walkman for long periods of time, check the following to prevent the deterioration of the built-in battery.
  - Store the Walkman at temperatures from 5 °C to 35°C (41 °F to 95 °F).
  - To prevent deterioration of the battery, charge the battery at least once every 6 months.



- When you use the Walkman in a cold location, the onscreen display may become dark or may not respond quickly. However, these are not malfunctions.
- You feel mild tingling against your ears particularly in dry air conditions. This is a result of static electricity accumulated in the body. This effect can be minimized by wearing clothes made from natural materials.
- Sony is not responsible for user data even if the following problems occur due to defects in the Walkman or a computer.
  - Recording or downloading of data is incomplete.
  - Data (such as music) is damaged or deleted.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Maintenance

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- Clean the Walkman with a soft cloth, such as a cleaning cloth for eyeglasses.
  - To clean a Walkman that has gotten very dirty, use a cloth slightly moistened with a mild detergent solution. Be careful not to get water inside the Walkman.
  - Do not clean with solvents such as alcohol, naphtha, or paint thinner. These solvents may damage the surface of the Walkman.
  - Clean the headphone plug occasionally with a soft dry cloth. Noise or sound skipping may occur if the plug is dirty.
- 

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Customer support website

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Visit the customer support website in your country or region in the following situations.

- When you have a question about the Walkman.
- When you have an issue with the Walkman.
- When you want information on compatible items.

### For customers in the US:

<http://www.sony.com/walkmansupport>

### For customers in Canada:

#### English

<http://www.sony.ca/ElectronicsSupport/>

#### French

<http://www.sony.ca/ElectronicsSupport/>

### For customers in Latin America:

<http://www.sony-latin.com/index.crp>

### For customers in Europe:

<http://www.sony.eu/dna/wm/>

### For customers in Asia/Oceania/the Middle East/Africa:

#### English

<http://www.sony-asia.com/support>

#### Korean

<https://scs.sony.co.kr/scs/handler/ProductSupport>

#### Simplified Chinese

<https://service.sony.com.cn>

#### Traditional Chinese

<http://service.sony.com.tw/>

### For customers who purchased the overseas models:

<http://www.sony.co.jp/overseas/support/>

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Digital Music Player  
 NW-A45/A45HN/A46HN/A47

## Specifications

### Display

Size/Resolution	3.1-inch (7.8 cm), WVGA (800 × 480 Pixels)
Panel type	TFT color display with white LED-backlight Capacitive touch screen

### Interface

USB	Hi-Speed USB (USB 2.0 compliant)
Headphone	Stereo Mini-jack
WM-PORT	WM-PORT (multiple connecting terminal): 22 pins
External memory	microSD microSDHC microSDXC

### FM radio

FM Frequency range	87.5 MHz to 108.0 MHz
Antenna	Headphone cord antenna

### Bluetooth

Version	Ver. 4.2
Frequency band	2.4 GHz band (2.4000 GHz - 2.4835 GHz)
Modulation method	FHSS
Compatible Bluetooth profiles (*1)	A2DP (Advanced Audio Distribution Profile) AVRCP (Audio Video Remote Control Profile)
Supported Codec (*2)	SBC (*3), LDAC, aptX, aptX HD

\*1 Bluetooth profiles are standardized according to the purpose of the Bluetooth device.

\*2 Codec indicates the audio signal compression and conversion format.

\*3 SBC stands for Subband Codec.

### NFC

NFC	Active type (for reader and writer)
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### Headphone Out (Stereo Mini-jack)

Frequency response	20 Hz to 40,000 Hz (when playing data file, single signal measurement)
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## Noise Canceling system

Digital Noise Canceling (Select Environment)	Full-auto AINC Bus/Train Airplane Office
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## Ambient Sound Mode

Ambient Sound Mode	Supported
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## General

Power Source	Built-in Rechargeable lithium-ion Battery USB power (from a computer via a USB connector of the player)
Charging Time	USB-based charging Approx. 4 hours
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Dimensions	w/h/d, projecting parts not included Approx. 54.8 mm × 97.3 mm × 10.7 mm (2.16 inches × 3.84 inches × 0.43 inches)
	w/h/d Approx. 55.9 mm × 97.5 mm × 10.9 mm (2.21 inches × 3.84 inches × 0.43 inches)
Mass	Approx. 98 g (3.5 oz)

## Capacity

NW-A45	16 GB
NW-A45HN	16 GB
NW-A46HN	32 GB
NW-A47	64 GB

## Actual available memory for other contents

NW-A45	Approx. 12.26 GB=13,164,150,784 byte
NW-A45HN	Approx. 12.26 GB=13,164,150,784 byte
NW-A46HN	Approx. 26.81 GB=28,794,585,088 byte

**Note**

- Available capacity may vary. A portion of the memory is used for data management functions.

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## Battery life

### Music (Approx.)

	Ambient Sound Mode ON	Ambient Sound Mode OFF
MP3 (128 kbps)	30 hours	45 hours
AAC (256 kbps)	27 hours	39 hours
FLAC (96 kHz/24 bit)	27 hours	39 hours
FLAC (192 kHz/24 bit)	23 hours	30 hours
DSD (2.8224 MHz/1 bit)	20 hours	25 hours

	Noise Cancel ON	Noise Cancel OFF
MP3 (128 kbps)	37 hours	45 hours
AAC (256 kbps)	33 hours	39 hours
FLAC (96 kHz/24 bit)	32 hours	39 hours
FLAC (192 kHz/24 bit)	27 hours	30 hours
DSD (2.8224 MHz/1 bit)	22 hours	25 hours

### FM Radio (Approx.)

Noise Cancel ON	Noise Cancel OFF
27 hours	32 hours

### Bluetooth (Approx.)

MP3 (128 kbps)	SBC - Connection Preferred: 20 hours
FLAC (96 kHz/24 bit)	LDAC - Connection Preferred (Auto): 13 hours

#### Note

- The values shown in this topic are the approximate battery life when content is played continuously at the default settings.
- Even if the player is turned off for an extended period, a small amount of battery power is still consumed.
- Battery life may vary depending on volume setting, conditions of use and ambient temperature.
- The battery is consumed considerably when the screen is on.
- The battery life may become about 70 % shorter when some of the sound quality settings are active.
- A Bluetooth connection will shorten the battery life by up to 45 % depending on the following conditions.
  - Format of the content.

– Settings of the connected device.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Maximum recordable number of songs

### Music (Approx.)

	NW-A45/A45HN (16 GB)	NW-A46HN (32 GB)	NW-A47 (64 GB)
<b>MP3 (128 kbps)</b>	3,300 songs	7,300 songs	15,000 songs
<b>AAC (256 kbps)</b>	1,600 songs	3,600 songs	7,600 songs
<b>FLAC (44.1 kHz/16 bit)</b>	300 songs	660 songs	1,300 songs
<b>FLAC (96 kHz/24 bit)</b>	90 songs	200 songs	420 songs
<b>FLAC (192 kHz/24 bit)</b>	40 songs	100 songs	210 songs
<b>DSD (2.8224 MHz/1 bit)</b>	70 songs	160 songs	340 songs

#### Note

- The approximate numbers are based on 4 minute a song.
- This product is confirmed to operate normally with up to a total of 20,000 tracks stored in the main memory and on the microSD card.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Supported formats

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### Music

#### MP3 (.mp3)

32 kbps - 320 kbps (Supports variable bit rate (VBR)) / 32 kHz, 44.1 kHz, 48 kHz

#### WMA (.wma)

32 kbps - 192 kbps (Supports variable bit rate (VBR)) / 44.1 kHz

#### FLAC (.flac)

16 bit, 24 bit / 8 kHz - 192 kHz

#### WAV (.wav)

16 bit, 24 bit, 32 bit (Float/Integer) / 8 kHz - 192 kHz

#### AAC (.mp4, .m4a, .3gp)

16 kbps - 320 kbps / 8 kHz - 48 kHz

#### HE-AAC (.mp4, .m4a, .3gp)

32 kbps - 144 kbps / 8 kHz - 48 kHz

#### Apple Lossless (.mp4, .m4a)

16 bit, 24 bit / 8 kHz - 192 kHz

#### AIFF (.aif, .aiff, .afc, .aifc)

16 bit, 24 bit, 32 bit (Float/Integer) / 8 kHz - 192 kHz

#### DSD (.dsf, .dff)

1 bit / 2.8224 MHz, 5.6448 MHz, 11.2896 MHz

\* Audio that is converted to Linear PCM is output.

#### APE (.ape)

8 bit, 16 bit, 24 bit / 8 kHz - 192 kHz (Fast, Normal, High)

#### MQA (.mqa.flac)

Supported

#### Note

- Sampling frequency may not correspond to all encoders.
- Copyright protected files cannot be played back.
- Non-standard bit rates or non-guaranteed bit rates are included depending on the Sampling frequency.
- Files that are 4 GB (2 GB for APE) or larger cannot be played back.
- This product recognizes audio sources exceeding CD quality (44.1 kHz/16 bit quantization) and DAT quality (48 kHz/16 bit quantization) as High-Resolution Audio.  
The "HR" symbol is displayed for High-Resolution Audio sources.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## System requirements

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### Supported OS

- Windows® 10
- Windows® 8.1
- Windows® 7
- macOS™ v10.8 - 10.12

#### Note

- You need an Internet connection to download computer applications.
- We do not guarantee operation for all computers.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## **The built-in rechargeable battery becomes depleted quickly even after the Walkman is fully charged.**

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**Limit the battery consumption to check if the battery condition improves.**

**If the battery life becomes half as short as normal, consider replacing the battery.**

The battery life depends on the conditions of use, settings, and ambient temperature.

Furthermore, the following operations will deplete the battery more quickly than continuous use of the Walkman.

- Turning the Walkman on or off frequently.
- Changing the Walkman settings frequently.
- Charging and discharging the battery repeatedly.

This will gradually decrease the capacity of the battery. As a result, the battery may become depleted quickly even after it is fully charged.

To replace the battery, contact the nearest Sony dealer or Sony Service Center.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## What is the battery lifespan?

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**The built-in rechargeable battery can be charged approximately 500 times.**

The battery can be charged approximately 500 times on average.

However, the battery lifespan depends on the temperature and usage environment.

When the life of a fully charged battery becomes half as short as normal, consider replacing the battery.

To replace the battery, contact the nearest Sony dealer or Sony Service Center.

Do not replace the battery yourself. The battery is built into the Walkman. Battery replacement requires professional knowledge and skills.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## Can I replace the built-in rechargeable battery myself?

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### **Do not replace the battery yourself.**

The battery is built into the Walkman. Battery replacement requires professional knowledge and skills. Do not replace the battery yourself.

The Walkman uses a designated rechargeable battery. Commercially available batteries cannot be used. To replace the battery, contact the nearest Sony dealer or Sony Service Center.

### **For your information**

The battery performance deteriorates due to the following factors.

- The number of times you charge or discharge the battery.
- How long the battery is used.
- Usage environment.

The battery life can be an indicator for replacement.

When the life of a fully charged battery becomes half as short as normal, the battery should be replaced.

The battery can be charged approximately 500 times on average.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## The computer does not recognize the microSD card in the Walkman.

---

**Disconnect the Walkman from the computer, and then try the following measures.**

The computer will not recognize the microSD card in the following cases.

- The microSD card is not inserted firmly enough.
  - You inserted the microSD card after you connected the Walkman to the computer.
1. Select [Mount/Unmount SD Card] on the Walkman.  
Tap the menu items in the following order.  
 – [Settings] – [Device Settings] (Basic Settings) – [Mount/Unmount SD Card].
  2. Remove the microSD card from the Walkman. Then, reinsert the microSD card firmly and securely.
  3. Connect the Walkman to the computer.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## The Walkman does not recognize a microSD card.

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**Try the following measures.**

**Make sure that the microSD card is inserted firmly and securely.**

Select [Mount/Unmount SD Card] on the Walkman before you remove the microSD card. Then, reinsert the microSD card firmly into the Walkman.

**Make sure that the contact pins of the microSD card are clean.**

Clean the contact pins of the microSD card with a dry cloth or a cotton bud. Then, reinsert the microSD card firmly.

**Make sure that the microSD card is in a format that the Walkman can recognize.**

Copy all the data on the microSD card onto a computer first. Then, format the microSD card on the Walkman. Use the Walkman to format the microSD card. Sony does not guarantee the operation of microSD cards that have been formatted on other devices such as computers.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## A track is duplicated on the Walkman.

A track may be duplicated on the Walkman if you transfer the same track using different transfer methods.

A track may be duplicated for the following reasons.

- The same track is transferred repeatedly in different formats.
- The same track is transferred repeatedly with different track information.
- The same track is transferred repeatedly with different transfer methods (the same track is transferred to different storage folders).

You can delete unnecessary tracks from the Walkman.

### Note on using microSD cards

If you are using the Walkman that supports microSD card, you may have transferred the same track to both the Walkman and the microSD card.

Check the tracks on the Walkman and the microSD card to confirm that there are no duplicate tracks.

## How to delete tracks from the Walkman

### To delete tracks on the Walkman

1. On the library screen, tap the desired category (album, artist, etc.) and subcategory until the track list appears.
2. Tap  next to the track you want to delete, and then tap [Delete].

### To delete tracks using Windows Explorer

1. Connect the Walkman to the computer, and open Windows Explorer.
2. Open the folder for the Walkman. Then, select the duplicate track in the [MUSIC] folder and delete the track.

#### Hint

- Disable the automatic track transfer functions in music management applications such as the [Sync] function in Windows Media Player.  
If the function is enabled, tracks may be transferred to the [MUSIC] folder on the Walkman every time you connect the Walkman to the computer.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## The Walkman cannot play transferred content.

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Try the following measures.

### **[Cannot play; file format is not supported.] appears on the screen.**

The Walkman only plays content in compatible formats (bitrate, etc.).

For details on supported formats, refer to the specifications section of the [Help Guide] or the model website.

Make sure that the Walkman supports the format of the content you are trying to play.

### **When you cannot find the transferred content on the Walkman.**

- Content may be transferred to folders or locations that the Walkman cannot access. This may happen when you drag-and-drop the content using Windows Explorer or Mac Finder. Transfer the content to the appropriate folder or location.
- When you transfer audio content in the MP4 format, drag-and-drop the content into the [MUSIC] folder on the Walkman.
- If you have performed one of the following operations on a computer, the content may not be recognized on the Walkman. In this case, change the file name or file location back to the original name or location.
  - You changed the file name of content on the Walkman.
  - You changed the location of content on the Walkman.
- If you formatted the memory of the Walkman in Windows Explorer or Mac Finder, format the memory using the menu on the Walkman.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

**You have spilled liquid (water, coffee, etc.) on the Walkman.  
You have washed the Walkman in a washing machine.**

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**Contact the nearest Sony dealer or Sony Service Center.**

Liquid may get inside the Walkman in the situations listed above.  
Stop using the Walkman immediately. Then, contact the nearest Sony dealer or Sony Service Center.

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Digital Music Player  
NW-A45/A45HN/A46HN/A47

## The Walkman does not work properly.

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**If one of the following situations occurs, restart the Walkman.**

- The Walkman does not respond to operations.
- The Walkman screen freezes.

Adequately charge the Walkman. Then, hold down the  (power) button for 8 seconds until the Walkman restarts.

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