

# JVC



English

## MICRO COMPONENT MD SYSTEM

MD 微型组合音响

中文

# UX-Q1S

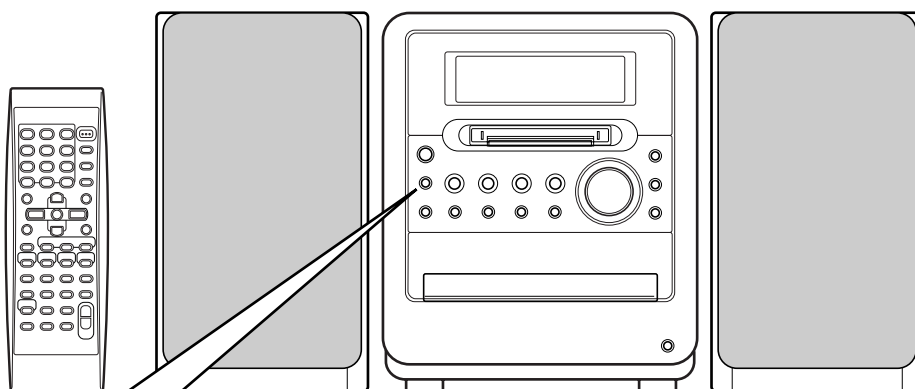
Consists of CA-UXQ1S and SP-UXQ1S

由 CA-UXQ1S 和 SP-UXQ1S 组成

# UX-Q1W

Consists of CA-UXQ1W and SP-UXQ1W

由 CA-UXQ1W 和 SP-UXQ1W 组成



For hiding the demonstration display, refer to page 9.

有关隐藏演示显示的详情，请参阅第 9 页。

MDLP



## INSTRUCTIONS

使用说明书

LVT1218-002A  
[UB]

# Warnings, Cautions and Others / 警告，注意及其他须知事项

## CAUTION

To reduce the risk of electrical shocks, fire, etc.:


1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

## 注意


为了减少触电、火灾等危险：

1. 请勿擅自卸下螺丝钉、盖子或机壳。
2. 请勿让本机受雨淋或置于潮湿环境中。

## CAUTION — button!

Disconnect the mains plug to shut the power off completely.  
The  button in any position does not disconnect the mains line.  
The power can be remote controlled.

## 注意 — 开关！

想要完全关闭电源，须将电源插头从插座上拔下。  
无论  键处于何种位置，主电路仍旧没有关闭。  
电源开关可用遥控器进行控制。

## CAUTION

- Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

## 注意

- 切勿堵塞通风口或通风孔。  
(如果通风口或通风孔被报纸或布等物堵塞，热量将无法散出。)
- 切勿在本系统上放置明火，如点燃的蜡烛。
- 想要丢弃电池时，务必考虑环保问题以及严格遵守当地关于处理废旧电池相关的法律规定和条例。
- 切勿让本机受雨淋、受潮湿、落上或溅上水滴，亦勿在本机上面放置盛满液体的容器，如花瓶。

## IMPORTANT FOR LASER PRODUCTS / 镭射产品的重要说明

### 1. CLASS 1 LASER PRODUCT

2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.

3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

### 1. 一级镭射产品。

2. **注意:** 请勿打开顶盖板，本机内部没有用户可自行维修的部件；所有维修工作应由有资格的人员完成。

3. **注意:** 当内部锁定装置失效或者损坏后，打开盖板可能会产生可见或不可见的镭射辐射。应避免受到镭射光束的直接照射。

4. 标签的复制标示：注意标签位于机内。

<b>CAUTION</b> : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM.	<b>ADVARSEL</b> : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.	<b>WARNING</b> : Synlig och osynlig laserstråling när den öppnas och spärren är urkopplad. Betrakta ej strålen.	<b>VARO</b> : Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.
(e)	(d)	(s)	(f)

**CAUTION — Proper Ventilation**

To avoid risk of electric shock and fire and to protect from damage, locate the apparatus as follows:

Top/Front/Back/Sides: No obstructions should be placed in the areas shown by the dimensions below.

Bottom: Place on the level surface. Maintain adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

In addition, maintain the best possible air circulation.

**注意 — 正确的通风方法**

为了防止触电，火灾及避免损坏，

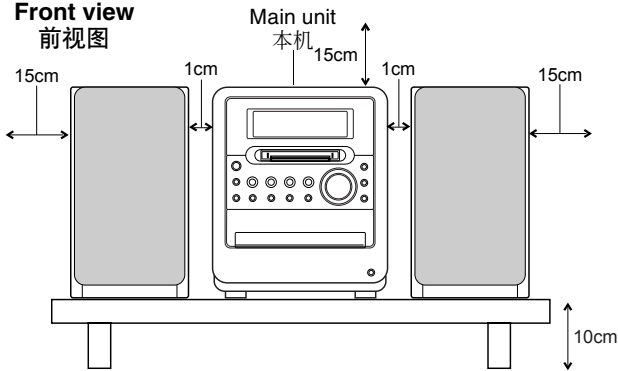
按如下要求放置机器：

上面 / 前面 / 后面 / 侧面：在图中所示范围中，不应放置任何障碍物。

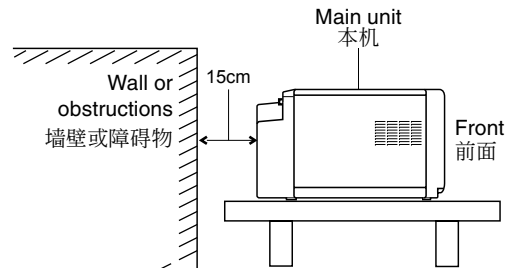
底部：放置在水平面上。放置在一个高 10 cm 或更高的台上以保留足够的通风道。

此外，如图所示，尽可能保持最佳的空气循环。

**Front view**  
前视图



**Side view**  
侧视图



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**Used frequently** marks refer to operation used frequently. You can quickly learn the general usage of this product by reading those parts only.

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## Suitable Locations for the Main Unit

To minimize the need for servicing and maintain the high quality of this product, do not place the main unit in the following locations:

- In a position subject to high humidity or considerable dust
- On an uneven or unstable surface
- Near a heat source
- Near a computer, fluorescent light or other electric appliance
- In a small room with insufficient ventilation
- In a position exposed to direct sunlight
- In a position exposed to excessive cold
- In a position exposed to strong vibration
- Near a TV, amplifier, or tuner
- Near a magnetic source

### CAUTION

- The operating temperature of this product is 5°C to 35°C. Use in temperatures outside this range may cause a malfunction or damage the product.

## Condensation

Under the following conditions, you may not be able to operate this product properly due to condensation formed on the lens of the main unit:

- When you have just started an air conditioner to warm your room
- When you have placed the main unit at an area with high humidity
- When you have moved the main unit from a cold place to a warm place

When condensation forms, leave the main unit turned on, wait for approximately 1 or 2 hours, and then operate the main unit.

## Cleaning the Main Unit

When the operation panel becomes dirty, dust it with a soft dry cloth. When the operation panel is very dirty, wipe it with a cloth dampened with a small amount of a neutral detergent, and then wipe it with a soft dry cloth.

### CAUTION

- Do not wipe the operation panel with thinners, benzenes or other chemical agents. Do not spray insecticides onto the operation panel. These may cause discoloration and damage to the surface.




## Listener's Etiquette

When using headphones, keep the volume at a moderate level so as not to over-stimulate your ears.

- When enjoying sound from the speakers, adjust the volume to a suitable level to avoid disturbing your neighbors. Even low-volume sound carries a long way, especially at night. Show consideration to your neighbors by closing windows or using headphones.

## About CDs/CD-Rs/CD-RWs

### Confirm the marks on CDs/CD-Rs/CD-RWs

Use a CD/a CD-R/a CD-RW whose letter-printed surface shows the ,  or  logo. This product does not play back DVDs or video CDs.

### About CD-Rs/CD-RWs

You can play back a CD-R/a CD-RW only when the disc is finalized.

- You can play back a CD-R/a CD-RW which has been recorded in the audio CD format. However, playback is impossible in some cases due to the disc characteristics, recording condition, scratches or dirt on the disc, or dirt or condensation on the lens.
- Before using a CD-R/a CD-RW, carefully read the cautions regarding the disc.
- This product does not support playback or CD text display of sound files such as MP3s.
- To play back a CD-RW on this product, erase all tracks if the CD-RW was recorded in a format other than the audio CD format. Using the CD-RW without erasing all tracks may result in damage to the speakers or other parts caused by sudden loud volume.

# Special Cautions

## Notes on Handling

### ■ Important cautions

#### Installation of the system

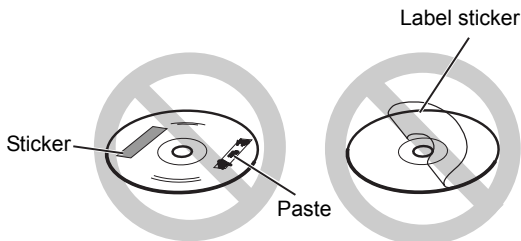
- Select a place which is level, dry and neither too hot nor too cold; between 5°C and 35°C.
- Leave sufficient distance between the system and the TV.
- Do not use the system in a place subject to vibration.

#### Power cord

- Do not handle the power cord with wet hands!
- A small amount of power is always consumed while the power cord is connected to the wall outlet.
- When unplugging the power cord from the wall outlet, always pull on the plug, not the power cord.

#### To prevent malfunctions of the system

- There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.
- Do not insert any metallic object into the system.
- Do not use any non-standard shape disc (like a heart, flower or credit card, etc.) available on the market, because it may damage the system.
- Do not use a disc with tape, stickers, or paste on it, because it may damage the system.



#### Note about copyright laws

Check the copyright laws in your country before recording from CDs. Recording of copyrighted material may infringe copyright laws.

### ■ Safety precautions

#### Avoid moisture, water and dust

Do not place the system in moist or dusty places.

#### Avoid high temperatures

Do not expose the system to direct sunlight and do not place it near a heating device.

#### When you are away

When away on travel or for other reasons for an extended period of time, disconnect the power cord plug from the wall outlet.

#### Do not block the vents

Blocking the vents may damage the system.

#### Care of the cabinet

When cleaning the system, use a soft cloth and follow the relevant instructions on the use of chemically-coated cloths. Do not use benzene, thinner or other organic solvents including disinfectants. These may cause deformation or discoloring.

#### If water gets inside the system

Turn the system off and disconnect the power cord plug from the wall outlet, then call the store where you made your purchase. Using the system in this condition may cause fire or electrical shock.

#### ■ When condensation or water drops adhere to the lens

In any of the following cases, condensation or water drops may adhere to the lens to prevent the system from working properly:

- Immediately after roomheating starts
- When the system is installed in a steamy or damp space
- When the system is suddenly moved from a cold place to a warm space

In any of these cases, leave the system turned on for 1 or 2 hours before use.

## Supplied Accessories

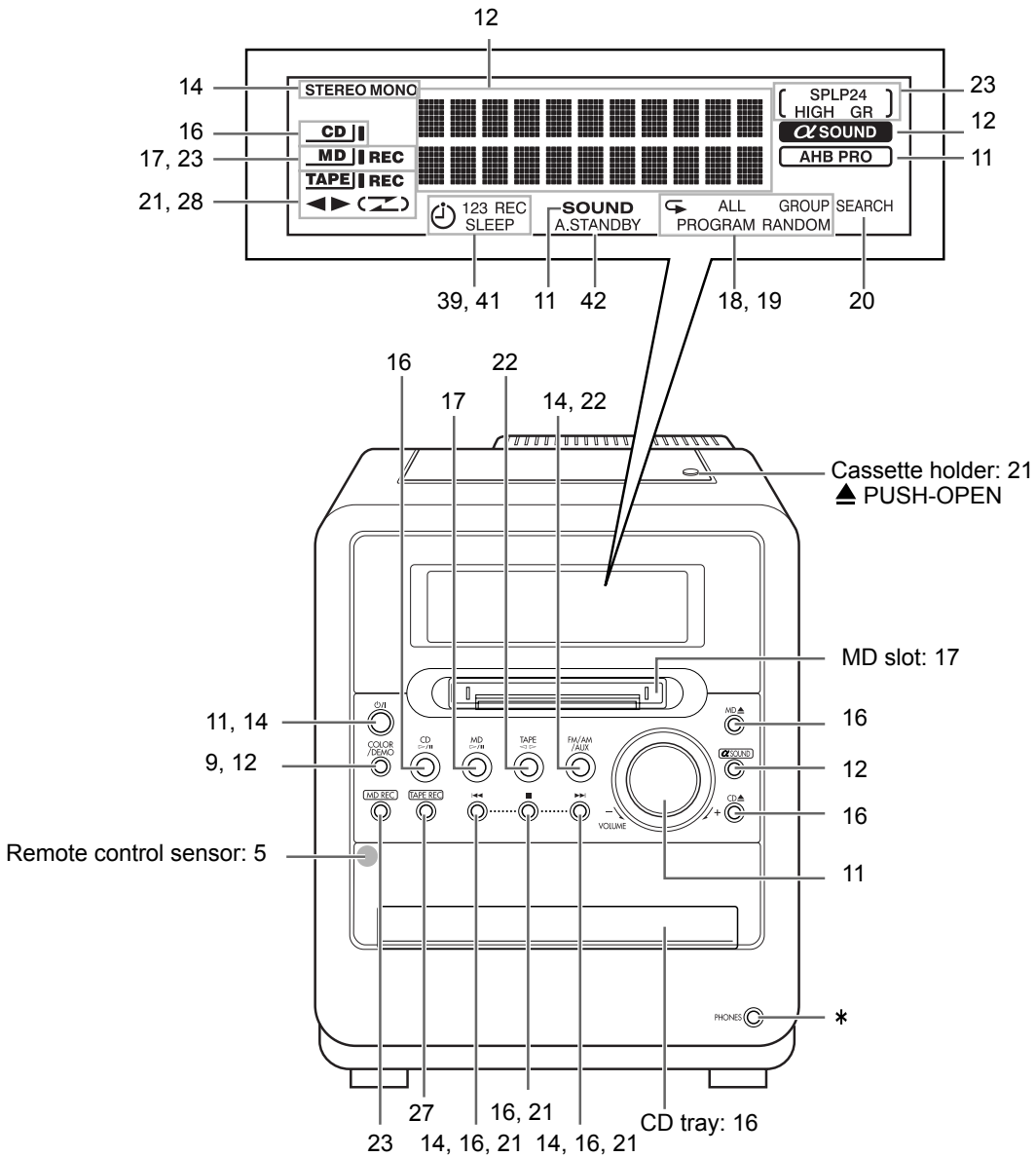
Check to be sure you have all of the supplied accessories.

The number in parentheses is the quantity of the pieces supplied. If anything is missing, contact your dealer immediately.

- Remote control (1)
- Batteries (2)
- FM antenna (1)
- AM loop antenna (1)

# Part Description

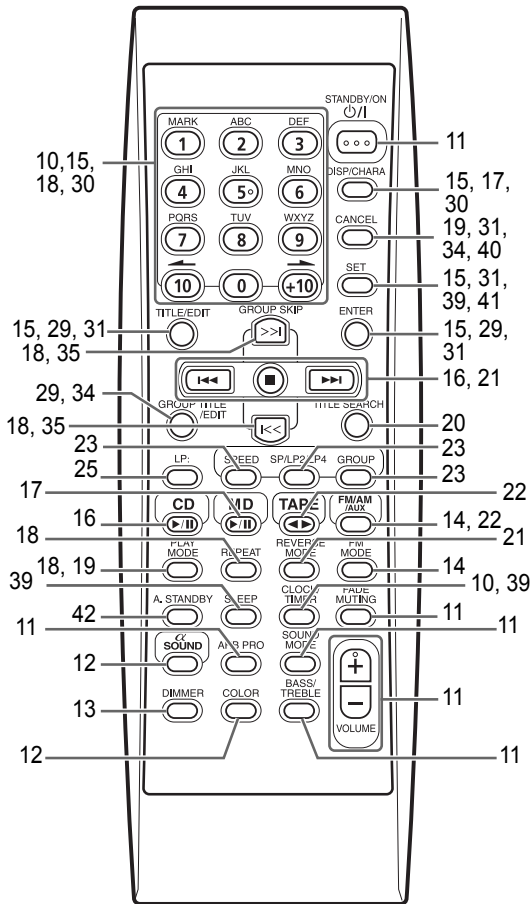
The numbers refer to the pages in which the parts are explained.



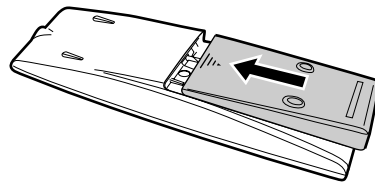
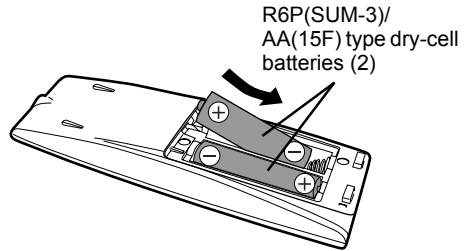
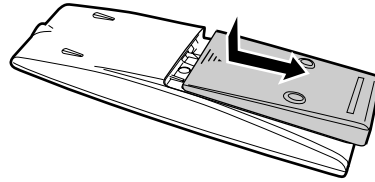
\* This terminal is for connecting a pair of headphones equipped with a stereo mini plug (commercially available). While the headphones are connected, the speakers do not produce any sound.

# Remote Control

The numbers refer to the pages in which the parts are explained.



## Inserting Batteries into the Remote Control



### CAUTION

- Do not use a used battery and a new battery together.
- Do not use different types of batteries at the same time.
- Take out the batteries if the remote control is not to be used for a long time. Otherwise it may cause a leakage.

### Remote control operation

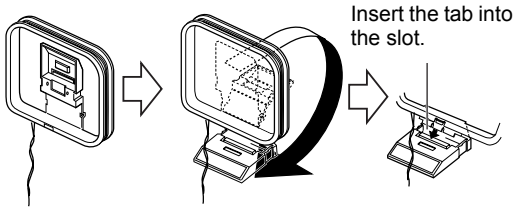
- When operating the remote control, point it at the front panel of the main unit.
- The effective distance between the remote control and the remote control sensor on the main unit is approximately 5 m maximum.
- When the effective distance decreases, replace the batteries.
- Do not drop the remote control or subject it to excessive shock.



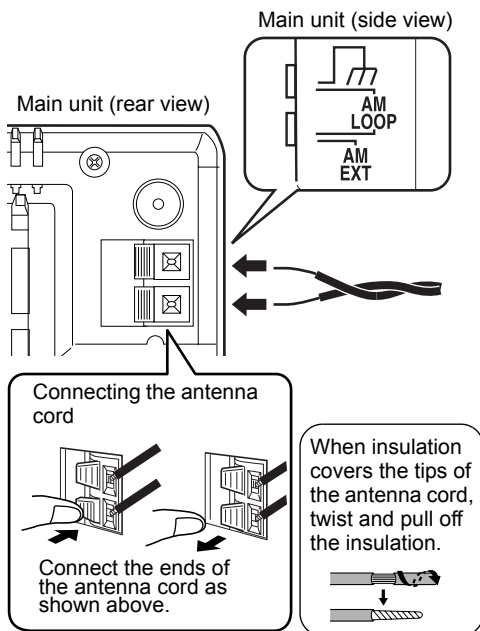
## Connecting the Antennas

### Connecting the AM antenna

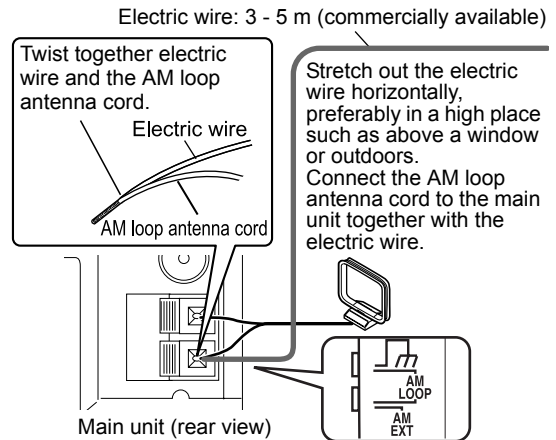
#### 1 Set up the AM loop antenna (supplied).



#### 2 Connect the antenna cord.



#### ■ When radio reception with the supplied AM loop antenna is poor



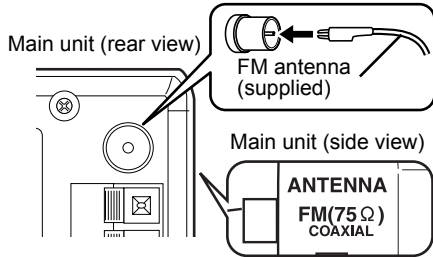
#### 3 Turn the AM loop antenna to find the best position for radio reception.

**Place the AM loop antenna as far from the main unit as possible.**

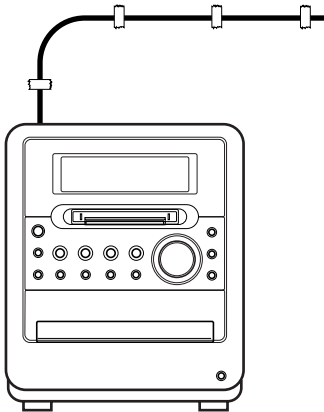
- Do not place the AM loop antenna on a metallic table or close to a TV, computer, or other electric appliance. Doing so may affect radio reception.

When positioning the antennas, find the best position for reception while listening to an actual radio program (refer to "Listening to Radio Broadcasts" (📖 page 14).

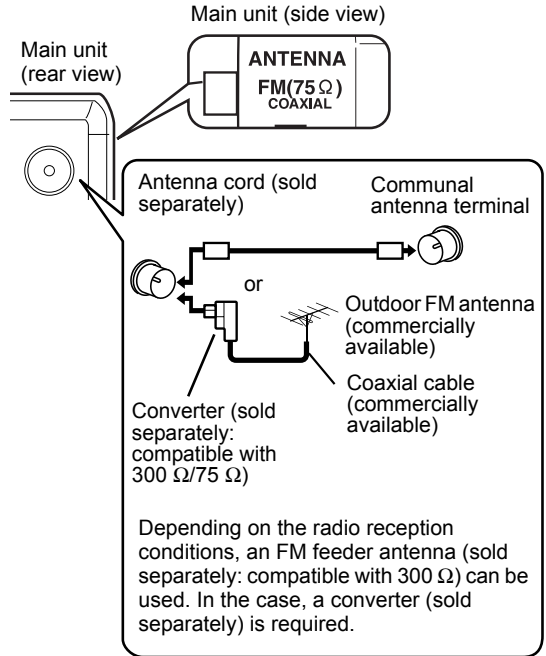
### Connecting the FM antenna



Stretch out the FM antenna to the best position for radio reception, and then fix it with adhesive tape.



■ When radio reception with the supplied FM antenna is poor, or when using a communal antenna



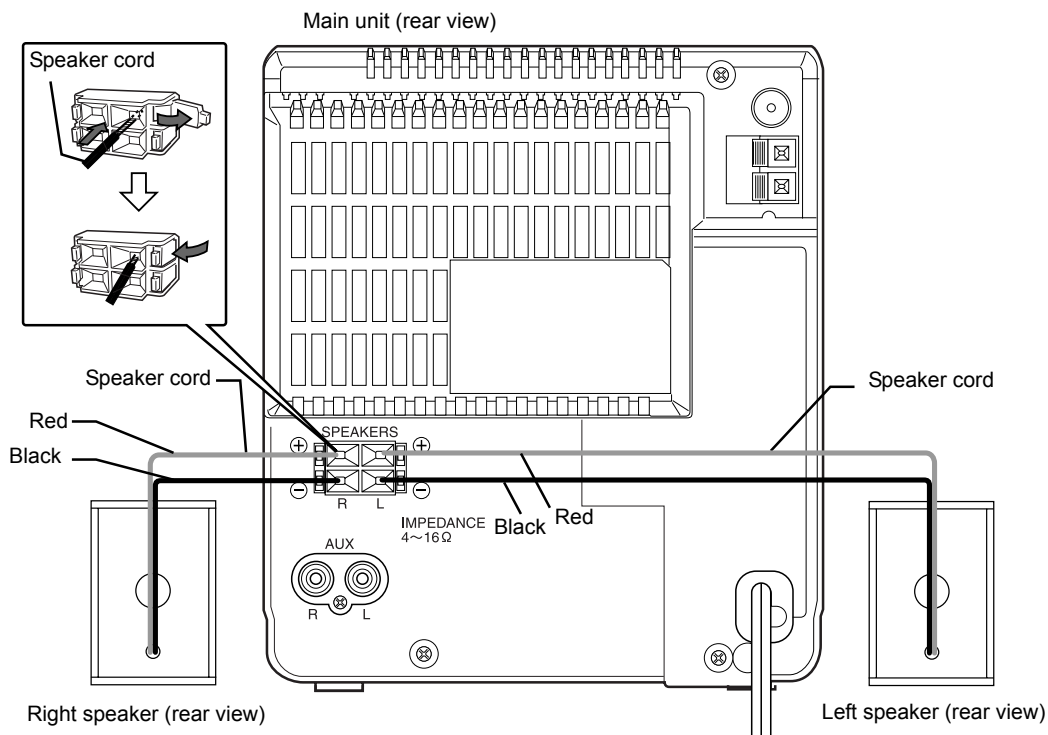
When using an antenna other than those supplied with this product, refer to the operation manuals for the antenna and converter for details of connection.

When positioning the antennas, find the best position for reception while listening to an actual radio program (refer to "Listening to Radio Broadcasts" (👉 page 14).

## Connecting the Speakers

There is no difference between the left and right speakers.

After connecting the speakers, gently pull on the speaker cords to make sure the cords are firmly connected and do not pull out.



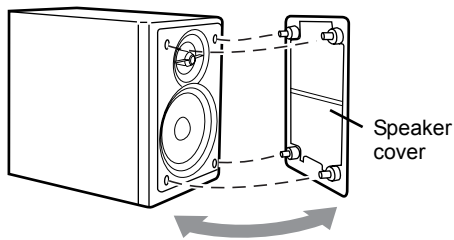
### CAUTION

- Do not short-circuit the  $\oplus$  and  $\ominus$  speaker terminals. Doing so may damage the speakers.
- Do not connect other speakers together with the supplied speakers. The change in impedance may damage the main unit and the speakers.

### NOTE

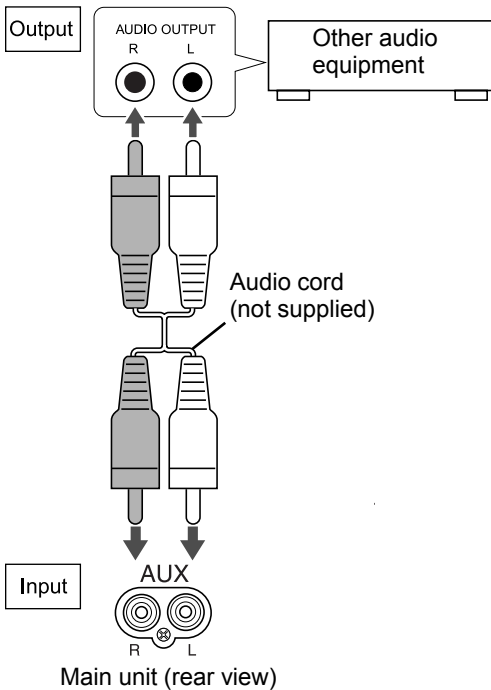
- Improper speaker cord connection spoils the stereo effect and sound quality.
- The impedance of speakers connected to this product must be within the range  $4\ \Omega$  to  $16\ \Omega$ .
- Cooling fan is built into the main unit for emitting generated heat. The internal cooling fan automatically rotates and stops. To ensure sufficient cooling, leave a space of more than 1 cm between the main unit and the speakers or other objects.
- The supplied speakers do not conform to magnetically shielded design. Place the speakers enough distance from a TV so that they do not cause color irregularity on the TV.

You can detach the speaker cover.



## Connecting Other Equipment

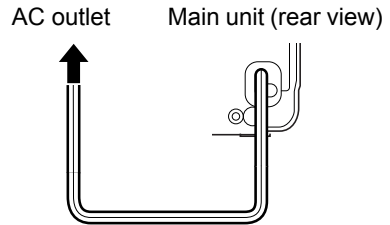
Read this section when connecting other audio equipment to this product.



### CAUTION

- Before connecting other equipment, turn off both the main unit and other equipment.


## Connecting the Power Plug




- After making all other necessary connections, connect in the power plug.

### Demonstration display function



When you connect the power plug into the AC outlet, "DEMO START!" appears in the display window and the demonstration display starts.

When you press  on the main unit, "DEMO OFF" appears in the display window and the demonstration display is canceled. Turning on the main unit automatically cancels the demonstration display.

### Resuming the demonstration display

With the power turned off, press  on the main unit.

### Hiding the demonstration display

With the power turned off, hold down  until "DEMO CLEAR" appears. Disconnecting and then reconnecting the power plug does not start the demonstration display. To activate the demonstration display again, hold down  until "DEMO START!" appears.

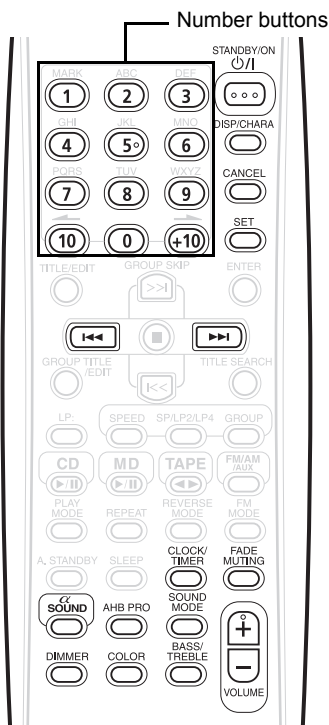
### NOTE

- If not using this product for a long period, disconnect the power plug from the AC outlet for safety and to save electricity.

# Basic Operations

## About this manual

- This manual explains the operations assuming that you will use the remote control. Some buttons on the main unit are the same as those on the remote control. You can use either button in this case.
- Some diagrams in this manual are simplified or exaggerated for the purpose of explanation.
- You can operate some functions differently from the explanation given in this manual.



- You can use the number buttons to specify the hour. Refer to "Using the number buttons" shown below.

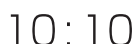


3 Press .



- To return to step 2, press .

4 Set the minute in the same manner as steps 2 and 3.



## Adjusting the clock

Press four times to display the clock, and then adjust the clock starting from step 2.

## Displaying the clock while using the main unit

Press repeatedly.

### NOTE

- The time display on the main unit is a 24-hour clock.
- The clock will gain or lose approximately 1 minute per month.
- Set the clock again after you have disconnected the power plug or a power cut has occurred.

## Setting the Clock

You can set the clock while the main unit is turned either on or off.

**Example: To set the clock to 10:10 a.m.**

1 Press .



2 Set the hour.



Back Next

- Holding down the button causes the hour to increment.

### Using the number buttons

Examples: 3:   
 13: →   
 20: →   
 23: → →

## Turning On/Off the Main Unit

Used frequently



Press  (or  on the main unit).

- With the power off, pressing either button turns on the main unit.

Remote control:    

Main unit:      

Pressing one of these buttons other than

 or  changes the sound source.

When a CD, MD or cassette tape has been loaded, playback starts.

## Adjusting the Volume

Used frequently


Press .

### NOTE

- You can also adjust the volume by turning the VOLUME control on the main unit.
- You can adjust the volume within the range 0 to 40.



## Temporarily Turning Off the Sound (FADE MUTING)

Press .

- "FADE MUTING" appears and the volume reduces to "0".
- To return to the previous volume, press  again.

## Emphasizing Heavy Bass Sound (AHB PRO)

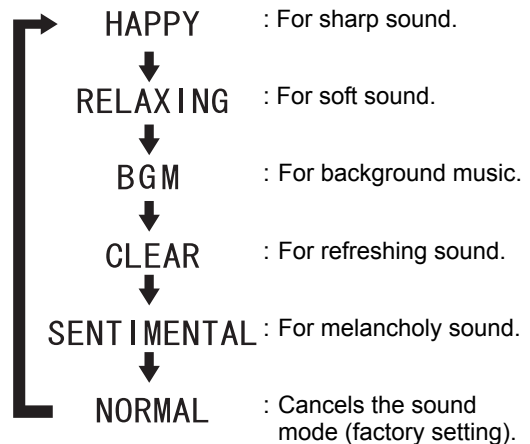
Press .

- Each time you press , AHB PRO function toggles between "ON" and "OFF".
- While AHB PRO function is activated,  is displayed in the display window.
- "AHB PRO" stands for "Active Hyper Bass PRO".

## Sound Mode

Press .

- Each time you press , the display toggles as follows.



- While the sound mode is set to an item other than "NORMAL", **SOUND** is displayed in the display window.


### NOTE

- This function does not affect recording sound.

### Sound mode

A combination of JVC sound technologies enables you to select the desired sound pattern.

## Adjusting the Sound Quality

1 Press  repeatedly to display "NORMAL".

2 Press  to display "BASS" or "TREBLE".

BASS : Adjusts the bass sound.

TREBLE : Adjusts the treble sound.

3 While "BASS" or "TREBLE" is displayed in the display window, press



to adjust the sound quality.

- You can adjust the sound quality within the range -5 to +5.
- The display returns to the sound source display in a few seconds.

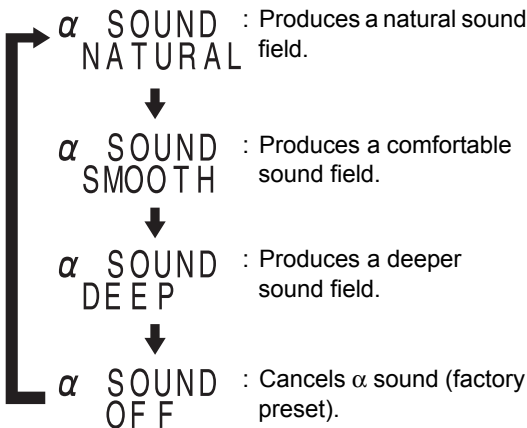
**NOTE**

- While the sound mode is activated, "NO OPERATE" is displayed and you cannot adjust the sound quality (🔊 page 11). Canceling the sound mode returns both the bass and treble sounds to "0".

## α Sound

Press .

- Each time you press , the display toggles as follows.



- While α sound is activated, **α SOUND** is displayed in the display window.

**NOTE**

- This function does not affect recording sound.
- While the sound mode is activated, using α sound cancels the sound mode (🔊 page 11). Conversely, while α sound is activated, using the sound mode cancels α sound.

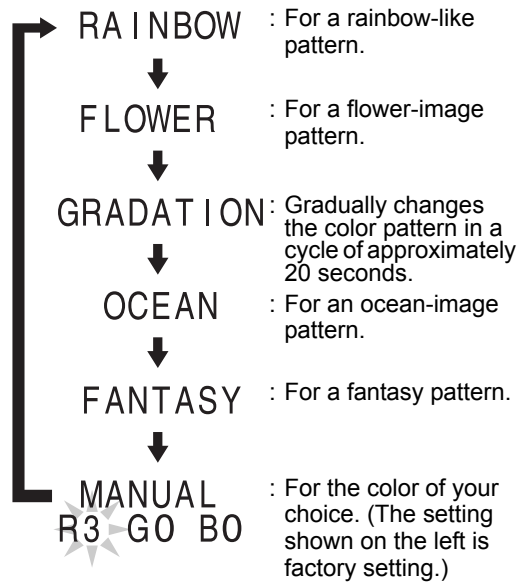
### α Sound

α (alpha) waves are regarded as one type of brain wave that is emitted when a person is relaxed. JVC's α DIMENSION SOUND function is designed to produce natural and easy-listening sound that makes you feel relaxed. The effect is completed by 1) LFO modulation which adds fluctuation with the α wave frequency to subtracted waves (left-right indirect sound) which provides sound circulation, and 2) natural sound collection for covering the middle range of waves in music signals which naturally tend to dissipate.




## Changing the Color Patterns for the Display Window and CD Tray

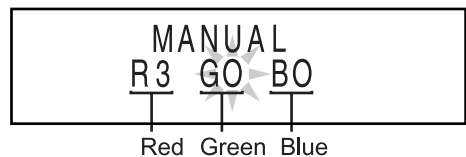
Press  (or  on the main unit).

- Each time you press , the display toggles as follows.



### Setting your favorite color for the display window and CD tray

- 1 Press  repeatedly to display "MANUAL".
- 2 Press  or  to select a component color.



- Numerical value of the selected component color flashes.

(Continued on the next page)

### 3 Press to adjust the intensity of

#### the component color.

- You can adjust the color intensity within the range "0" to "3".  
You cannot set all three component colors (red, green, and blue) to "0" at the same time.

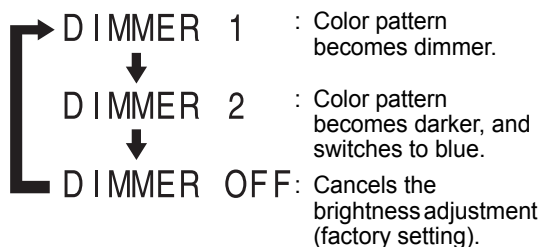
#### NOTE

- You can also adjust the color intensity by turning the VOLUME control on the main unit.
- After you have adjusted each component color, the display returns to the sound source display in approximately 8 seconds.
- You cannot set different colors for the display window and CD tray.
- When you operate a button on the main unit or remote control, the display window and CD tray light in pale blue for approximately 2 seconds.
- When recording finishes, the color of the display window and CD tray switches to the color set in "MANUAL" to inform you that recording has finished.  
When you operate the main unit after recording finishes, the color pattern for the display window and CD tray returns to the selected pattern.


## Changing the brightness of the display window and CD tray (DIMMER)

Press .

- Each time you press , the display toggles as follows.

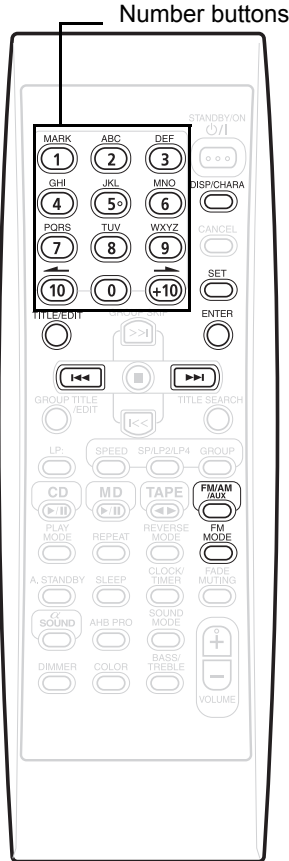


#### NOTE

- Once you press  to change the color pattern, the brightness returns to the factory setting.
- When you turn off the main unit, the brightness also returns to the factory setting.
- You cannot turn off the color pattern.



This product can receive FM and AM radio broadcasts.



## ■ When the main unit is turned off

To select 10 kHz spacing, while holding down on the main unit, press on the main unit to turn on the power. "AM 10 kHz SP (Spacing)" appears on the display window.

To select 9 kHz spacing, while holding down on the main unit, press on the main unit to turn on the power. "AM 9 kHz SP" appears on the display window.

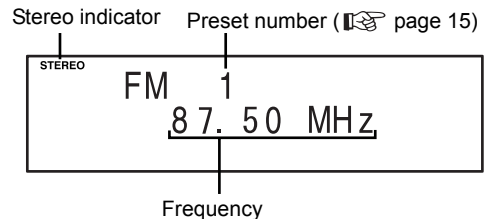
### NOTE

- If the spacing is switched, the memory in which the radio stations were stored will be erased.

## Selecting a Radio Station

**1** Press to select "FM" or "AM".

**Example: Display while an FM radio broadcast is received.**



**2** Press or repeatedly to select a radio station (frequency).

- You can also select a radio station using the automatic tuning.

### Automatic tuning:

Hold down or until the frequency starts changing, and then release the button. When the main unit has received a broadcast, the frequency automatically stops changing. To quit the function while searching for a broadcast, press or .

- When the main unit has received an FM stereo broadcast, "STEREO" lights up.

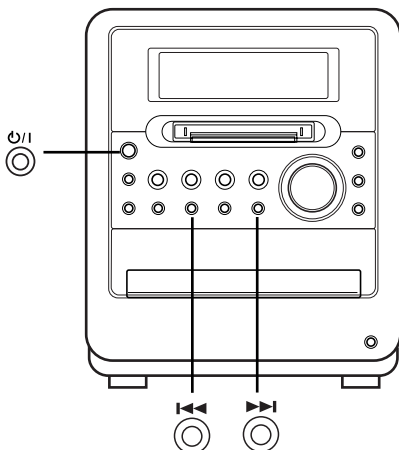
### NOTE

- If an FM stereo broadcast is difficult to hear because of noise, you may be able to hear more easily by pressing to switch the sound to mono reception. In this case, "MONO" lights up. To return the sound to stereo reception, press again or select another FM radio station.

## Setting the AM Tuner Spacing

Some countries space AM stations 9 kHz apart, and other countries use 10 kHz spacing.

**On the main unit ONLY:**






## Storing Radio Stations (Preset)


You can store up to 30 FM radio stations and up to 15 AM radio stations.

■ While the broadcast from the radio station you want to preset is being received

**1 Press** .

- The preset number flashes for approximately 5 seconds.

**2 While the preset number is flashing, press the number buttons (  -  or  ) to select the preset number you want to use.**

- Refer to "Using the number buttons" ( page 10).

**3 While the selected number is**

**flashing, press** .

- "STORED" appears and the selected radio station is stored.


### NOTE

- When you store a radio station to a preset number to which another radio station has previously been stored, the newly set radio station replaces the previously stored radio station.

## Tuning In to a Preset Radio Station

■ While an FM or AM broadcast is being received

**Use the number buttons to select the preset number of the radio station to which you want to tune in.**




- Refer to "Using the number buttons" ( page 10).


## Entering radio station names

You can enter the name of a stored radio station using up to eight characters.

**1 Press** .

**2 Entering a radio station name with**




 or the number buttons (  -  or  ).

- To enter radio station names, refer to "Entering Titles" ( page 30).

**3 Press** .

- "STORED" appears in the display window and the entered radio station name is registered.

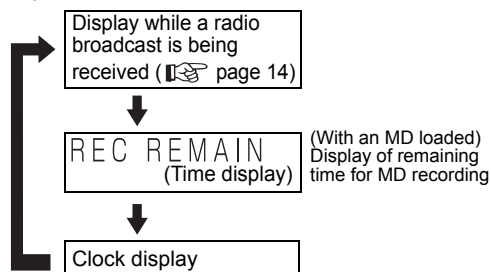
### NOTE

- When you store a radio station after you have entered a radio station name, the entered radio station name with the same preset number is erased.
- You cannot enter radio station names after selecting a radio broadcast with  or .
- If you change the AM tuner spacing ( page 14), radio station names remain unchanged. Enter radio station names again, if necessary.

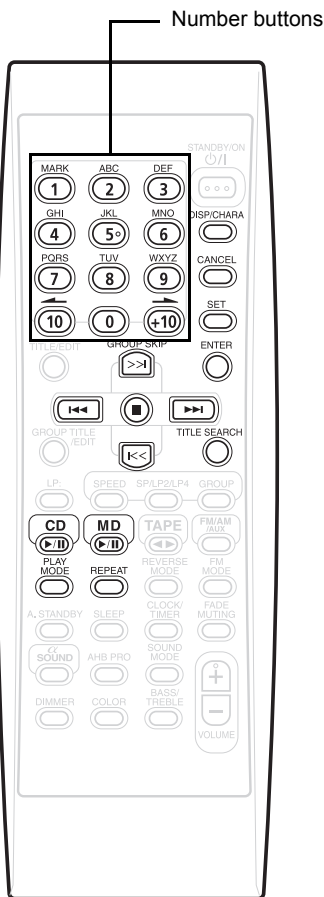
## Changing the Display in the Display Window

Press .

- Each time you press , the display toggles as follows.



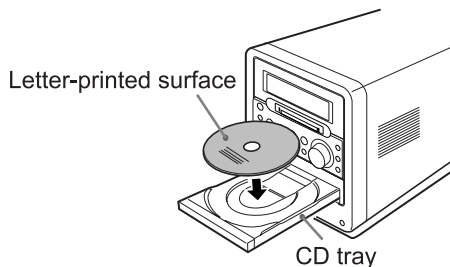
# Listening to CDs/MDs



## Listening to CDs

Used frequently

- 1 Press on the main unit.
  - The CD tray comes out.
- 2 Place a CD on the CD tray.

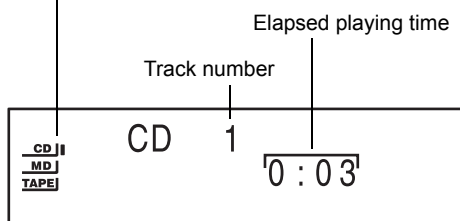


- When you want to listen to an 8 cm CD, place it on the inner hollow of the CD tray.

- 3 Press .

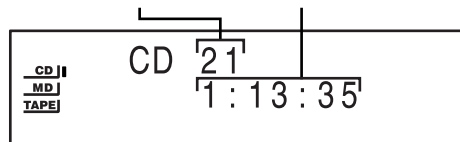
### ■ Display during CD playback

CD indicator  
 (The CD indicator lights up while the CD is stopped. The CD indicator flashes while the CD is being played back or paused.)



### ■ Display while the CD is stopped

Total number of tracks      Total playing time



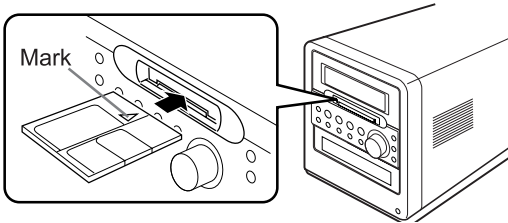
	Operation
Stop	Press .
Pause	Press  or  during playback. Pressing  or  again resumes playback.
Search (Skip)	: Press the button repeatedly. : Press the button repeatedly.
Fast forward/ Rewind (Search)	: Hold down the button during playback. : Hold down the button during playback.
Eject	Press  or  on the main unit.

## Listening to MDs

Used frequently

■ When the main unit is turned on

### 1 Insert an MD.



#### CAUTION

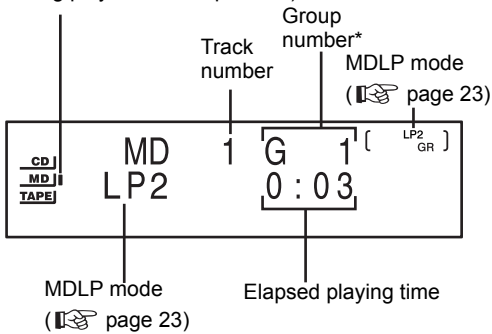
- Do not insert an MD while the main unit is turned off. Forcibly inserting an MD may damage the main unit.

### 2 Press .

■ Display while an MD is being played back

MD indicator

(The MD indicator lights up while the MD is stopped. The MD indicator flashes while the MD is being played back or paused.)

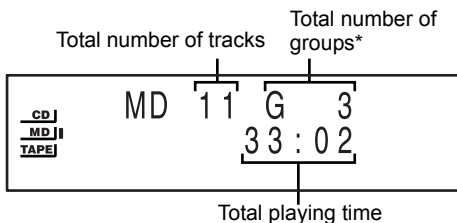


- When the track title has been set to the track, the track title appears first.
- \* When the track being played back does not belong to a group, "G -" appears.

#### CAUTION

- Do not insert another MD while the MD indicator is lighting up or flashing. Forcibly inserting an MD may damage the main unit.

■ Display while the MD is stopped



- When the MD title has been set to the MD, the MD title appears first.

- Long titles are scrolled.

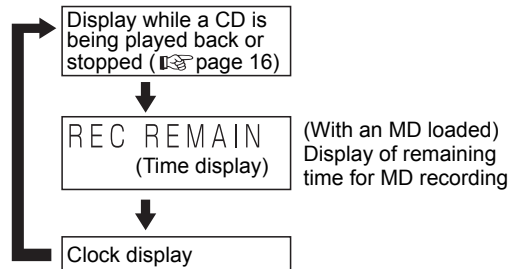
\* When no group belongs to an MD, "G -" appears.

## Changing the Display in the Display Window

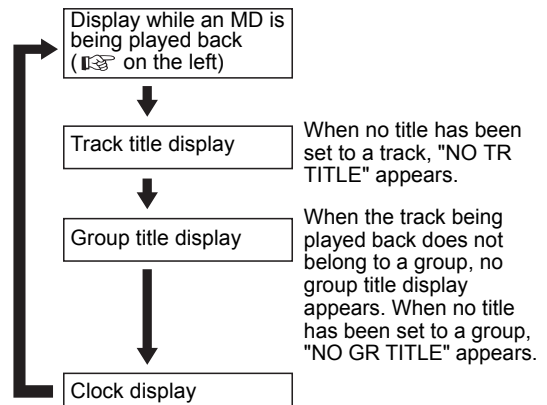
Press .

- Each time you press , the display toggles as follows.

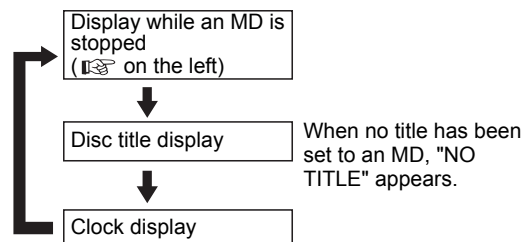
■ While a CD is being played back (or stopped)



■ While an MD is being played back



■ While an MD is stopped



#### NOTE

- While an MD is selected as the sound source, when you insert an MD to which nothing has been recorded, "BLANK DISC" appears.

## Specifying the Track (Direct Track Selection)

Press the number buttons (1) - (10) or (+10) to select the track you want to listen to.

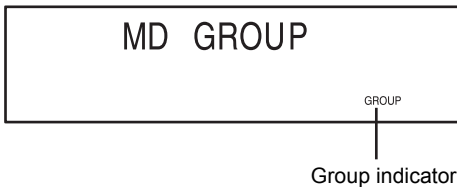
- Refer to "Using the number buttons" (page 10).


## Group Playback of an MD

You can play back just the tracks from a group which you want to listen to.



■ While the MD is stopped

**1** Press  repeatedly to select "GROUP".



**2** Press  .

- Group 1 playback starts.
- If there is no group, "GROUP" disappears and normal playback starts.

**3** Press  or  to select a group.

- When playback of all tracks in the selected group finishes, playback automatically stops.

### Canceling group playback

While playback is stopped, press  repeatedly to select an item other than "GROUP".

#### NOTE

- Ejecting the MD or turning off the main unit also cancels group playback.

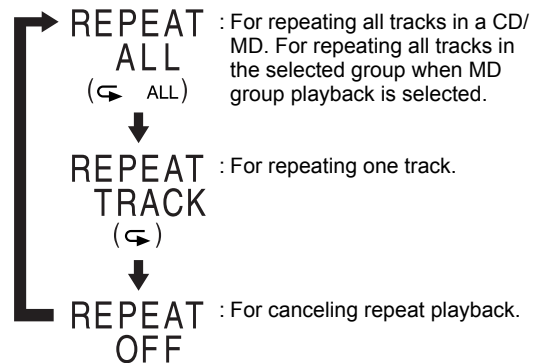
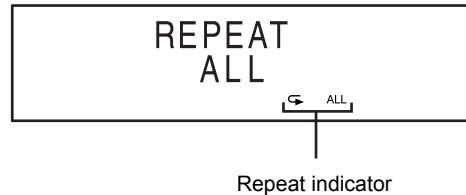
## Repeat Playback

This function allows you to repeatedly listen to the same track.

During CD/MD playback, press  repeatedly to select the repeat mode.

- Each time you press , the display toggles as follows.

Example: While "REPEAT ALL" is selected








#### NOTE

- Ejecting the CD or MD, or turning off the main unit also cancels repeat playback.

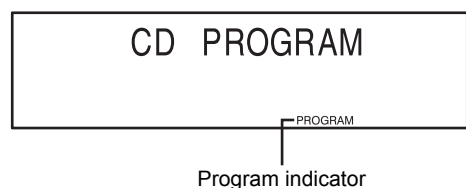
## Program Playback

This function allows you program up to 32 tracks.

**1** CD: Press , and then press  .  
MD: Press , and then press  .

**2** Press  to select "PROGRAM".

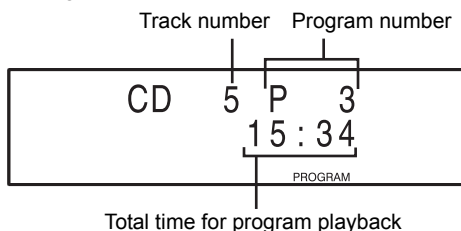
Example: While CD program playback is selected



(Continued on the next page)

### 3 Press the number buttons ( - or ) to select the track numbers.

- Refer to "Using the number buttons" ( page 10).



#### NOTE

- When you want to erase the program, press while playback is stopped. Programmed tracks are erased one by one from the last track. Holding down erases all programmed tracks.
- When you try to program the 33rd track, "MEMORY FULL" appears in the display window to indicate that 33 or more tracks cannot be programmed.
- When total time for program playback reaches 1 hour 40 minutes for a CD or 2 hours 31 minutes for an MD, "--:--" appears.

### 4 CD: Press . MD: Press .

#### NOTE

- You can set tracks in the program playback either from a CD or MD.

## Confirming the programmed track order

### While playback is stopped, press or repeatedly.

- You can add a track as the last track in the program, or erase the last track. ( step 3 shown above)

## Canceling the program playback

### While playback is stopped, press repeatedly to display an item other than "PROGRAM".

- This operation does not erase the program.

## Erasing the all programmed tracks While playback is stopped, hold down



#### NOTE

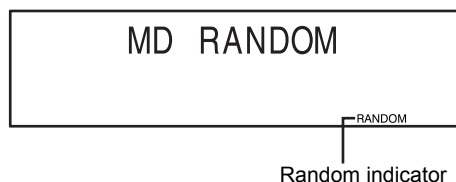
- Ejecting the CD or MD, or turning off the main unit also cancels the all programmed tracks. This operation also cancels program playback.

## Random Playback

This function allows you to listen to tracks in random order.

- 1 CD: Press , and then press .  
MD: Press , and then press .
- 2 Press repeatedly to select "RANDOM".

Example: While MD random playback is selected



- 3 CD: Press .  
MD: Press .

#### NOTE

- You can set tracks in the random playback either from a CD or MD.
- Pressing repeatedly does not return playback to the previous track.
- Each track is played back once.

## Canceling the random playback

### While playback is stopped, press repeatedly to display an item other than "RANDOM".

#### NOTE

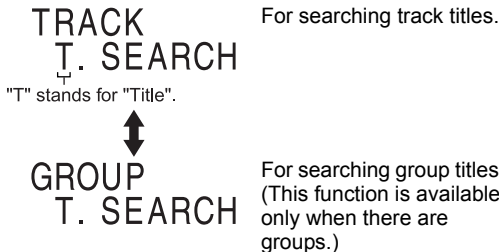
- Ejecting the CD or MD, or turning off the main unit also cancels random playback.

## Searching Titles

This function allows you to search titles for tracks or groups in an MD.

**1 Press** , and then press .

**2 Press**  repeatedly to select the search type.




**3 Press** .

**Example: While track titles are being searched**



While group titles are being searched, "GROUP SEARCH" is displayed.

**4 Enter the title you want to find.**

- Enter the first one to five characters of the title.  
Example: Entering "F" searches titles starting with "F" in order of track number.  
Entering "Frien" searches titles starting with "Frien" in order of track number.
- For entering titles, refer to "Entering Titles" ( page 30).
- When searching tracks or groups with no titles, enter nothing, and then proceed to step 5.



**5 Press** .

- "SEARCH" appears and the title search starts. When the title is found, playback of the track starts. When playback finishes, the next title search automatically starts.


### NOTE

- A space is treated as a character. However, when no character exists after the space, the space is ignored.
- The title search function is case-sensitive.
- When no corresponding titles are found, "SEARCH END" appears.

**Searching another track or group title**

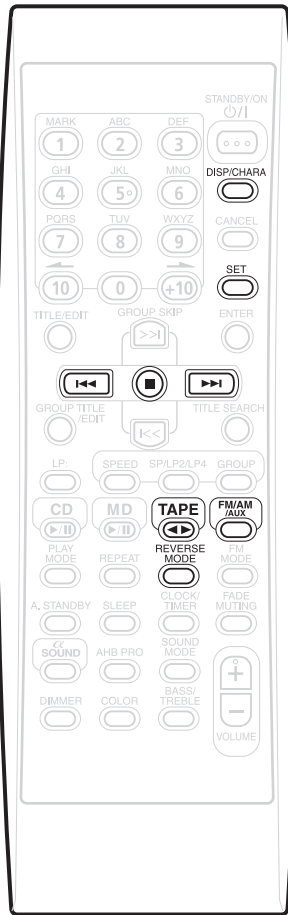
**Press**  (or ).

**Quitting the title search**

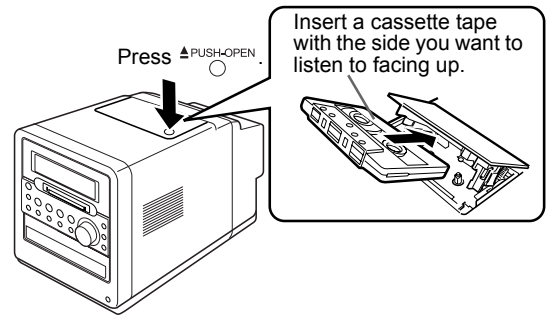
**Press**  .

- The title search is cancelled and playback returns to the beginning of the current track.





## 1 Insert a cassette tape.



**Cassette tape indicator**  
 (The cassette tape indicator lights up while the cassette tape is stopped. The cassette tape indicator flashes while the cassette tape is being played back.)



**Cassette tape playback direction** (▶: normal direction/◀: opposite direction)

Reverse mode

### CAUTION

- Before using a cassette tape, wind up any slack in the cassette tape. (▶ page 45)
- Do not use long cassette tapes such as C-120 or C-150. Long cassette tapes are thin and stretch easily, and may become tangled in the inner part of the main unit.
- This product is compatible with playback of TYPE I cassette tapes. Playback of TYPE II or TYPE IV cassette tapes is not recommended, because this product does not meet the specifications for these tapes. The main unit does not produce the proper sound from these cassette tape types.

	Operation
Stop	Press
Fast forward/ Rewind	Press  or . When a cassette tape is played back in the normal direction (▶),  is fast forward and  is rewind. When the cassette tape is played back in the opposite direction (◀),  is fast forward and  is rewind.

## 2 Press repeatedly to select the reverse mode.

: For one return playback of both sides.


: For repeated playback of both sides (Playback continues until playback is stopped.)


: For one-way playback of either side.



### 3 Press .

- Playback starts.
- When the main unit is turned off, pressing

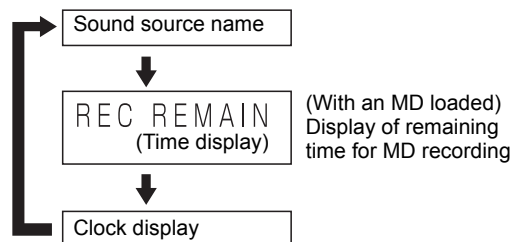
 automatically turns on the main unit.

- Each time you press , the cassette tape playback direction changes. The initial playback direction after you have inserted a cassette tape is always the normal direction.
- The cassette tape playback direction indicator facing right ► is displayed during normal playback. The indicator facing left ◄ is displayed during reverse playback.


## Changing the Display in the Display Window

Press .

- Each time you press , the display toggles as follows.



## Listening to Other Equipment

You can listen to sound from other audio equipment connected to the AUX terminals on the rear side of the main unit ( page 9).


### 1 Press repeatedly to select "AUX".



### 2 Start other equipment playback.

- Refer to the operation manual for the connected equipment.

### 3 Adjust the volume and make other necessary settings.


- For adjusting the volume and making other necessary settings, refer to "Basic Operations" ( pages 11 - 13).

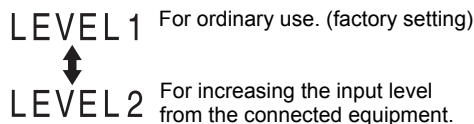
## Adjusting the Sound Input Level from Other Equipment

You can adjust the sound input level from the connected equipment.

- While the sound source is selected to AUX, you can adjust the sound input level.

Hold down  until the input level appears.

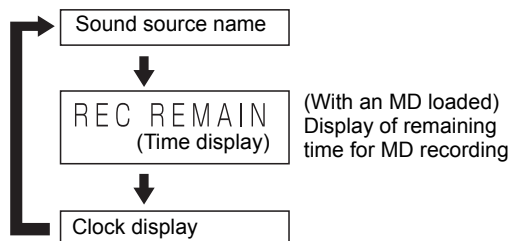
- Each time you hold down , the display toggles as follows.



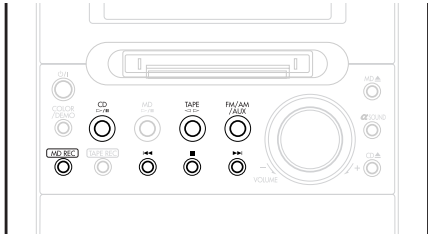
## Changing the Display in the Display Window

Press .

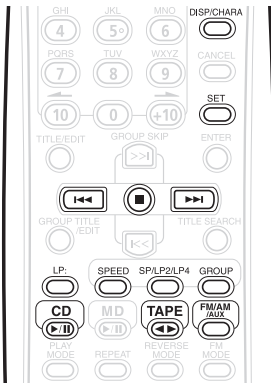
- Each time you press , the display toggles as follows.



## Main unit



## Remote control



## Recording All Tracks from a CD to an MD

- Press **CD**, and then press **RECORD**.

  - The CD is selected as the sound source and playback is stopped.
- Insert an MD.

  - Close the write protect knob on the MD beforehand (☞ page 45).
- Press **SP/LP2/LP4** to select the MDLP mode.

  - Each time you press **SP/LP2/LP4**, the display toggles as follows.
  - **SP** : For standard stereo recording (Maximum recording time is 80 minutes with an MD 80).
  - ↓
  - LP2** : For ×2 extended stereo recording (Maximum recording time is 160 minutes with an MD 80).
  - ↓
  - LP4** : For ×4 extended stereo recording (Maximum recording time is 320 minutes with an MD 80).
  - As you change the MDLP mode (SP→LP2→LP4), the sound quality also changes. When you want to record sound at the best possible quality, select the SP mode.
  - When you use an MD car audio system, portable MD player or other MD player that is not compatible with the MDLP mode, select the SP mode.

## 4 Press **GROUP** to set group recording.

- Each time you press **GROUP**, the display toggles as follows.

**GROUP REC ON** : Activates group recording (factory setting).

↕

**GROUP REC OFF** : Cancels group recording.

↕

## 5 Press **SPEED** to select the recording speed.

- Each time you press **SPEED**, the display toggles as follows.

**HIGH SPEED** : High speed recording  
When CD playback time is 30 or more minutes, the recording speed is ×5, and when the playback time is less than 30 minutes, the recording speed is ×4.

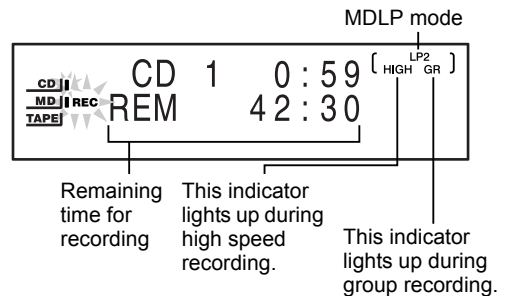
↕

**NORMAL REC** : Normal speed recording

- Recorded sound quality is the same for both "HIGH SPEED" and "NORMAL REC".
- You cannot listen to the sound during high speed recording.

## 6 Press **MD REC** on the main unit.

Example display during recording:



- When recording finishes, the color pattern of the display window and CD tray changes to the color pattern set in "MANUAL" to inform you that recording has finished (☞ pages 12 and 13).
- When "HCMS CANNOT COPY" appears, refer to pages 44 and 46.

## NOTE


- The recorded sound level is automatically adjusted.
- The CD rotates at high speed during high speed recording. Therefore, depending on the condition of the CD, the sound may be recorded improperly and affected by noise. If the sound is not recorded properly, select normal speed recording.
- The remaining time for recording differs depending on the selected MDLP mode.
- You cannot record sound while the repeat playback function is on. Starting the recording function automatically cancels repeat playback.

## Quitting Recording

Press .

## Recording Only One Track from a CD

Before proceeding to step 6 on page 23, start playback of the track you want to record.


- Pressing  in step 6 returns playback to the beginning of the track, and only that track is recorded.
- When you select high speed recording, the speed used is  $\times 4$ .


## Recording the Second or Subsequent Track to the Last Track from a CD

Before proceeding to step 6 on page 23, select the starting track number with  or .

- When you select high speed recording for recording from the selected track, the speed used is  $\times 4$ .


## Program Recording from a CD

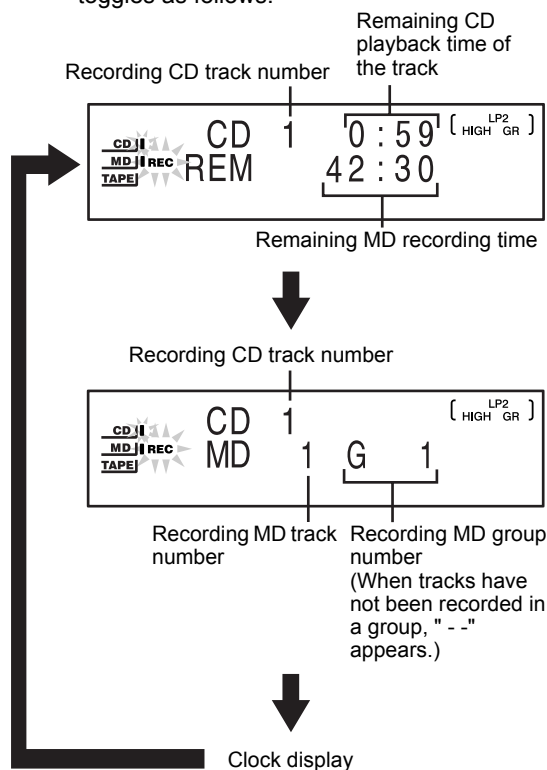
Before proceeding to step 5 on page 23, program the tracks you want to record ( page 18).

- Select normal speed recording ( step 5 on page 23).  
When you select high speed recording and proceed to step 6, "CANNOT REC  $\times 1$  REC ONLY" appears in the display window and recording does not start.

## Changing the display in the display window during recording

Press .

- Each time you press , the display toggles as follows.



## Things You Should Know about MD Recording

- It may be unlawful to record or playback copyright material without the consent of the copyright owner.
- You can record tracks having different MDLP modes onto a single MD.
- You cannot use the monaural extended recording function with this product.

### CAUTION

- You cannot play back tracks recorded in LP2 or LP4 with audio equipment that is not compatible with MDLP. When you attempt playback, "LP: " appears in front of the track title, and the main unit does not produce any sound. When you play back tracks recorded in LP2 or LP4 with audio equipment that is compatible with MDLP, "LP: " does not appear.

To activate or cancel the "LP: " indicator, press



- You can record up to 254 tracks to an MD. If you try to record 255 or more tracks, "DISC FULL" appears.
- When you use a partially-recorded MD, this product searches for the blank portion and records the new tracks to that portion. Unlike cassette tape recording, you cannot record over old tracks on an MD.
- Changing in sound volume and quality on this product during recording does not affect the recorded sound.
- Sound from an audio CD is recorded as digital signals to an MD. Sound from the radio or AUX is converted from analog signals to digital signals during recording.

### CAUTION

- Do not bump or sway the main unit during MD recording/editing. Be especially careful while "WRITING" is displayed. Such movement may interfere with MD playback.

### CD-R/CD-RW recording

- When you record sound from a CD-R or CD-RW (digital audio) onto an MD, pressing displays "SCMS CANNOT COPY" in the display window, and analog normal speed recording automatically starts.
- You can manually select analog recording by holding down for 4 or more seconds and pressing once again while "ANALOG REC?" is displayed.

## "LP: " indicator setting

Press .

- Each time you press , the display toggles as follows.

(LP:) ON :For adding "LP: " to the track title.



(LP:) OFF :For deleting "LP: " from the track title.

## Recording Sound from Radio, Cassette Tape or Other Equipment

### NOTE

- The recorded sound level is automatically adjusted.
- Sound-synchronized recording is employed for recording sound from other equipment (AUX). With sound-synchronized recording, this product automatically identifies sound signals from the sound source and starts recording. When sound from the sound source pauses for 30 or more seconds, this product automatically quits recording. The blank time between the last recorded track and the next recorded track is approximately 2 seconds.

## 1 Select a sound source.

Sound source	Operation
Radio broadcast	Select the radio station whose broadcast you want to record ( page 14).
Cassette tape playback	Insert a cassette tape for playback, press , and then press . Press  to select the reverse mode when necessary.
Sound from other equipment (AUX)	Press  repeatedly to select AUX, and prepare playback on the other equipment ( page 22).

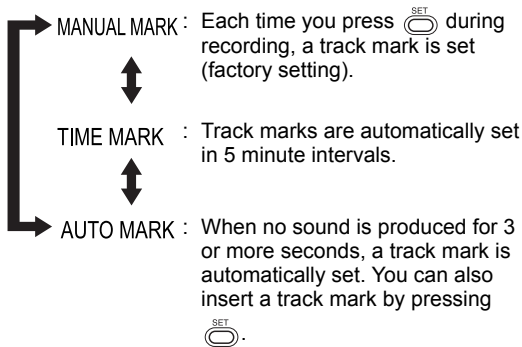
## 2 Insert an MD for recording.

- Confirm the MDLP, "LP: " indicator and group recording settings. ( pages 23 and on the left)
- Close the write protect knob on the MD ( page 45).

## 3 Hold down on the main unit for approximately 4 seconds to display the track mark options.

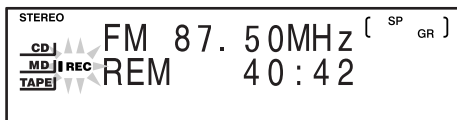
#### 4 While the track mark options are displayed, press to select a track mark option.

- Each time you press , the display toggles as follows.



#### 5 Press on the main unit.

Example: Display during FM radio broadcast recording



- When recording the sound from other equipment, wait until "AUX → MD" appears, and then start playback of the connected equipment. Recording automatically starts when sound is input to the main unit. You can also start recording by pressing



With this method, even when sound from the connected equipment pauses for 30 or more seconds, the main unit does not automatically quit recording.

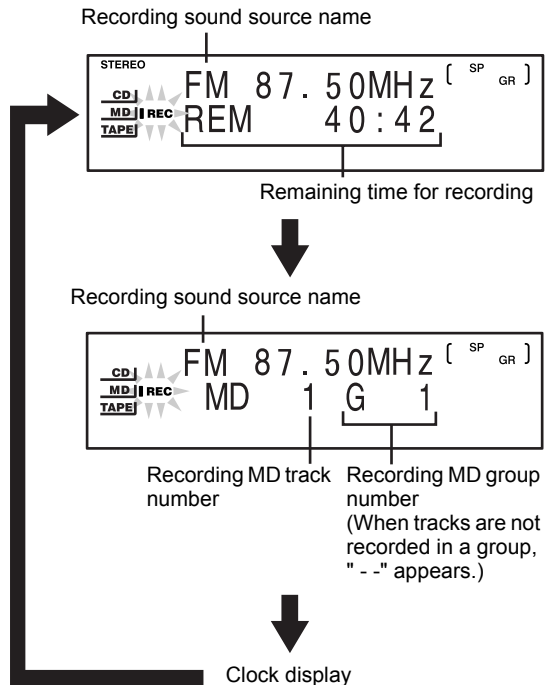
### Quitting Recording

Press .

Changing the display in the display window during recording

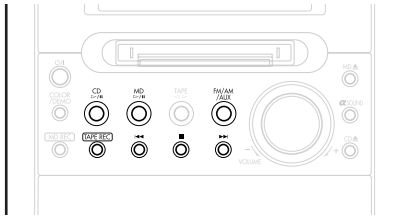
Press .

Each time you press , the display toggles as follows.

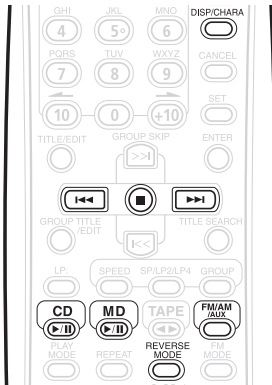


# Recording Sound to Cassette Tapes Used frequently

## Main unit



## Remote control



### NOTE

- The sound input level during recording is automatically adjusted.
- When you record tracks from a CD or MD, a 4-second blank is inserted between tracks in the recording. You can record tracks with no blank time. (▶▶▶ page 28)

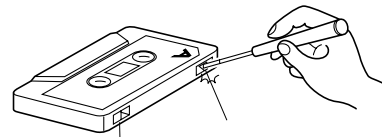
### CAUTION

- It may be unlawful to record or playback copyright material without the consent of the copyright owner.
- Do not use long cassette tapes such as C-120 or C-150. Long cassette tapes are thin and stretch easily, and may become tangled in the inner part of the main unit.
- Since this product is not compatible with TYPE II and TYPE IV cassette tapes, do not use these types of cassette tapes. This product does not meet the specifications for these tapes, so sound is not properly recorded to these types of cassette tapes. You cannot obtain proper playback sound.

## Preventing recorded sound from being erased

- Write protect tags are attached to a cassette tape for preventing the erasing of recorded sound. They enable you to avoid losing important recordings because once you snap off the write protect tags, you cannot record to the cassette tape or erase recorded material.

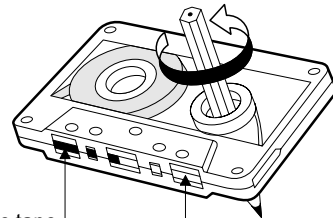
- When you want to use the cassette tape for recording again, cover the tag holes with adhesive tape.



Write protect tag for side B      Write protect tag for side A

## 1 Insert a cassette tape for recording.

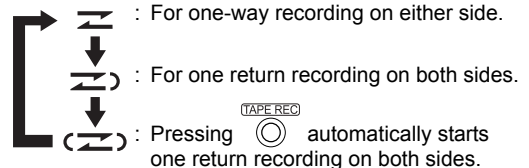
- Before inserting the cassette tape, wind the tape past the leader part of the cassette tape.



Magnetic tape (recordable part)      Leader tape (unrecordable part)

## 2 Press to select the reverse mode.

- Each time you press , the display toggles as follows.



## 3 Select a sound source for recording.

Sound source	Operation
CD	Press , and then press . (The CD is stopped.)
MD	Press , and then press . (The MD is stopped.)
Radio broadcast	Select the radio station whose broadcast you want to record (▶▶▶ page 14).
Sound from other equipment (AUX)	Press  repeatedly to select AUX, and prepare playback on the other equipment (▶▶▶ page 22).

## 4 Press on the main unit.

Example: Display while CD sound is recorded.




- When you record from a CD or MD, all tracks are recorded to the cassette tape.
- When you want to record sound from other equipment, start playback on the connected equipment.
- When recording finishes, the color pattern of the display window and CD tray switches to the color pattern set in "MANUAL" to inform you that recording has finished (▶▶ pages 12 and 13).

## Quitting Recording

Press .

## Recording Only One Track from a CD or MD


Before proceeding to step 4 on page 27, play back the track you want to record.

- Pressing  in step 4 returns playback to the beginning of the track and only that track is recorded.

## Recording the Second or Subsequent Track to the Last Track from a CD or MD

Before proceeding to step 4 on page 27, select the starting track number

with  or .

- Pressing  in step 4 starts this product recording from the selected track to the last track.

## Program Recording from a CD or MD


Before proceeding to step 4 on page 27, program the tracks you want to record (▶▶ page 18).

## Recording with No Blank Time between Tracks

Before proceeding to step 4 on page 27, pause playback of a CD or MD.

## Erasing Recorded Sound from a Cassette Tape


Select the sound from other equipment (AUX) in step 3 on page 27,

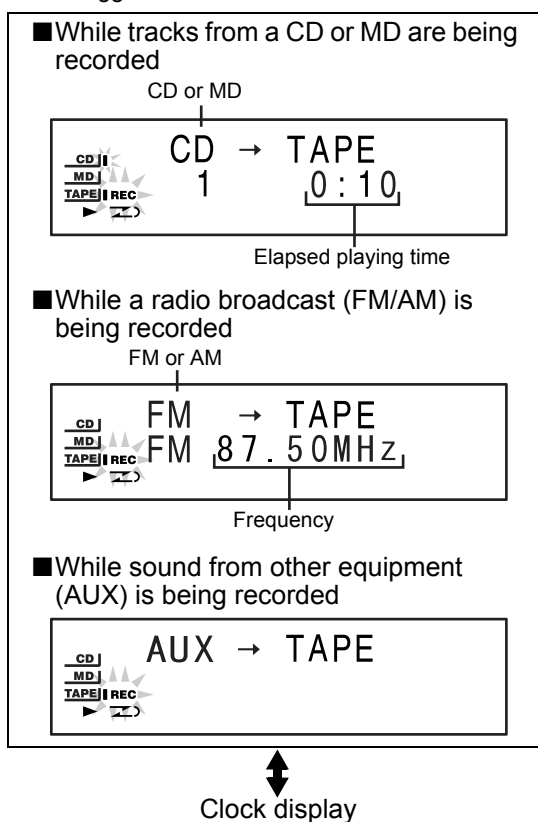
and then press .

- Do not play back any tracks on the connected equipment.

## Changing the display in the display window during recording

Press .

- Each time you press , the display toggles as follows.



### NOTE

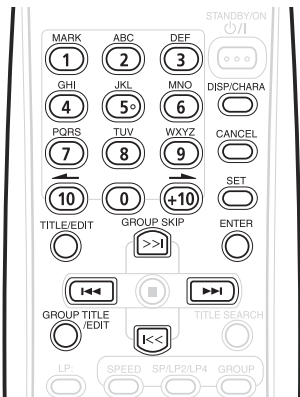
- If the cassette tape reverses direction while a track is being recorded from a CD or MD, this product starts recording that track again from the beginning onto the reverse side of the cassette tape. However, if 12 or less seconds of that track were recorded onto the first side of the cassette tape, recording to the reverse side of the cassette tape starts from the beginning of the previous track.
- Before recording a long track from an MD, such as a recorded concert, using one return recording, use the divide function to divide the track into sections equal to the length of one side of the cassette tape. (▶▶ page 31)



# Giving (Editing) Titles

## Things You Should Know about Editing

- You cannot edit an MD while its write protect knob is open (☞ page 45). When you attempt to edit a protected MD, "DISC PROTECTED" appears.
- When you finish editing, "EDITING" appears, then "WRITING" flashes and the edited setting is recorded to the MD. While "WRITING" is displayed, be careful not to bump or sway the main unit. Such movement may interfere with MD playback.
- You cannot edit an MD during program playback, random playback, or group playback.




## Giving (Editing) Titles

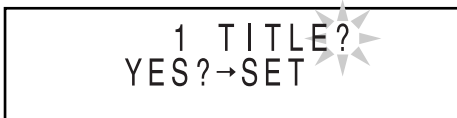
You can give titles to an MD (disc), tracks and groups.




- While the track or group to which you want to give a title is being played back.

### 1 Display the title editing mode.


**For editing an MD (disc) title or track titles**

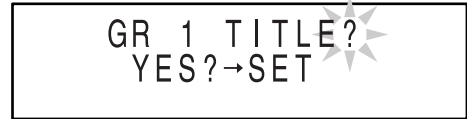
- Press  to display the title editing mode.



- To edit a disc title, press  repeatedly to display "DISC TITLE?".
- You can also select track numbers with  or .

**For editing group titles**

- Press  twice to display the group title editing mode.



- You can also select a group number with



### 2 Press .

**Character entry position (flashing)**

A track number appears for entering a track title, or "GR" and a group number appear for entering a group title.



Available character types:

- [ ] indicates the selected character type.
- [A]: Uppercase characters or symbols
- [a]: Lowercase characters or symbols
- [1]: Numerical characters

### 3 Enter a title using the number buttons.

- For entering a title, refer to "Entering Titles" (☞ page 30).

### 4 Press .

- The entered title is given to an MD, track or group.

**To quit title editing**

Press .

**To give next title**

Press .

Go to step 3.

### 5 Press on the main unit to eject the MD.



**NOTE**

- Number of characters that can be entered to an MD  
You can enter up to 1,792 characters to each MD, with up to 61 characters to each track. However, the actual number of characters that you can enter is less than the number indicated here because of restrictions of the MD writing method.  
Spaces are counted as characters.  
When you use long-play stereo recording (LP2 or LP4), the larger the number of tracks is, the smaller the number of characters that you can enter, because "LP: " and 4 spaces are automatically added to each track.  
You can set this product so that "LP: " is not added to tracks. (👉 page 25)

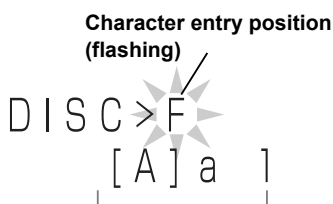
Example: When editing 120 tracks recorded using long-play stereo recording to an MD, you can enter 10 characters to each track.

- You cannot edit a title consisting of 62 or more characters. When you want to edit a title containing 62 or more characters, edit the title on the equipment on which the title was entered.
- You can set a title during recording.
  - While recording from a CD (except when recording only one track from a CD), you can enter up to 16 track titles before recording finishes.
- If you do not press <sup>ENTER</sup> before recording finishes, the entered titles are not stored.
- During group recording, you can enter titles for the group.

## Entering Titles

**Example: To enter "F"**

- 1) Press <sup>DISP/CHARA</sup> repeatedly until [ ] appears on "A".
- 2) Press <sup>DEF</sup> repeatedly to display "F".



**Available character types:**

- [ ] indicates the selected character type.
- [A]: Uppercase characters or symbols
- [a]: Lowercase characters or symbols
- [1]: Numerical characters

- Several characters are assigned to one button. Press the button repeatedly until the desired character is displayed.
- For the available characters, refer to "Available Characters" shown on the right.

## To move the character entry position

- Press <sup>+10</sup> or <sup>10</sup>.
- When you want to enter "NO", "TV" or two characters which are assigned to one button, enter the first character, press <sup>+10</sup> to move the character entry position to the right, and then enter the second character.

## To erase a character

- Move the character entry position to the character you want to erase, and press <sup>CANCEL</sup>.

## To enter a space

- Select the space from "Symbol" (👉 the chart below). You can also enter a space at the end of a title by pressing <sup>+10</sup>.

## To quit title entry

- Press <sup>TITLE/EDIT</sup> or <sup>GROUP TITLE/EDIT</sup>. The entered titles are not stored.

## Available Characters

Button	Uppercase character	Lowercase character	Numerical character
<sup>MARK</sup> 1	Symbol*	Symbol*	1
<sup>ABC</sup> 2	ABC	abc	2
<sup>DEF</sup> 3	DEF	def	3
<sup>GHI</sup> 4	GHI	ghi	4
<sup>JKL</sup> 5	JKL	jkl	5
<sup>MNO</sup> 6	MNO	mno	6
<sup>PQRS</sup> 7	PQRS	pqrs	7
<sup>TUV</sup> 8	TUV	tuv	8
<sup>WXYZ</sup> 9	WXYZ	wxyz	9
0			0

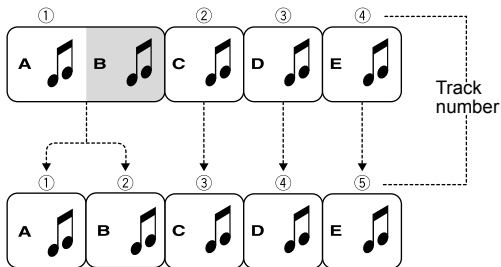
### \*Available symbols

<input type="checkbox"/> Space	!	"	#	\$	%	&	'	( )	*	+
,	-	.	/	:	;	<	=	>	?	@

# Editing Tracks

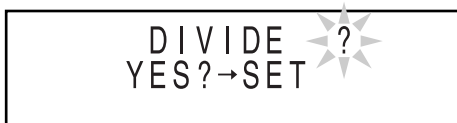
## Dividing a Track into Two Tracks (DIVIDE)

Example: Dividing a tune into tune A and tune B



■ While the track you want to divide is being played back

- 1 Press repeatedly to select "DIVIDE?".



- 2 Press .
  - You can also select the track number with , or the number buttons. Refer to "Using the number buttons" ( page 10).

- 3 Press to specify the dividing point.
  - This product repeatedly plays back the 4 seconds of sound immediately following the dividing point.

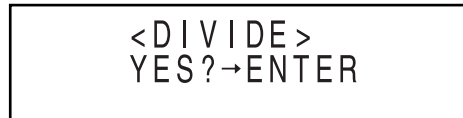
"POSIT." stands for "POSITION".



- When the dividing point does not have to be adjusted, proceed to step 5.
- When you want to adjust the dividing point, proceed to step 4.

- 4 Press or .
  - You can adjust the dividing point within the range -128 to +128 position (approximately -8 to +8 seconds in SP mode).

- 5 Press .



- 6 Press .

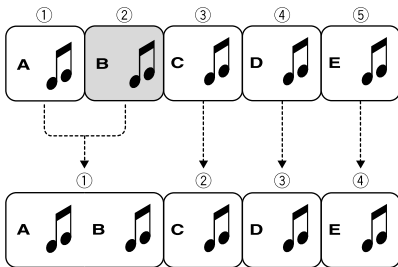
### NOTE

- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .
- You cannot divide a track in an MD containing 254 or more tracks. When you press in step 3, "DISC FULL" appears.
- When you divide a track that has a title, the title is added to both divided tracks.

## Joining Tracks (JOIN)

You can join two adjacent tracks into one track.

### Example: Joining tune A and tune B

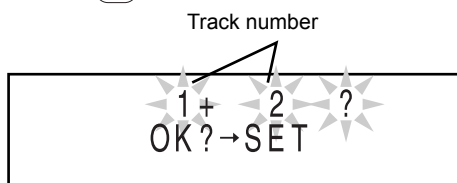


■ While the second track (track 2 in the example shown above) to which you want to join the first track is being played back

1 Press repeatedly to select "JOIN?".



2 Press .



• You can also select a track number with , or the number buttons. Refer to "Using the number buttons" ( page 10).

3 Press .

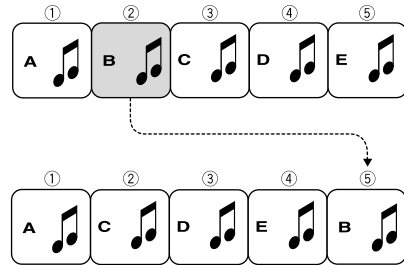
4 Press .

#### NOTE

- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .
- You cannot join tracks that have different MDLP modes (SP/LP2/LP4), or tracks that have different recording types (digital/analog). If you attempt to join such tracks, "CANNOT JOIN" appears.
- When you join two tracks that have titles, the title of the first track remains as the title of the joined track.

## Moving a Track (MOVE)

### Example: Moving tune B

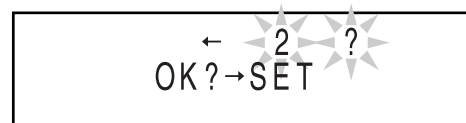


■ While the track you want to move (track 2 in the example shown above) is being played back

1 Press repeatedly to select "MOVE?".



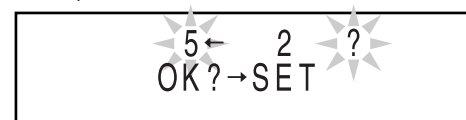
2 Press .



• You can also select a track number with , or the number buttons. Refer to "Using the number buttons" ( page 10).

3 Press .

4 Press or to select the track number to which you want to move the specified track. (Track 5 is selected in the example shown above)





- You can also select a track number with the number buttons. Refer to "Using the number buttons" ( page 10).
- When you move a track to a track number which is registered in a group, the track is registered in the group. When you move a track which is registered in a group to a track number which is not registered in a group, the track is removed from the group registration.

5 Press .

(Continued on the next page)

## 6 Press .

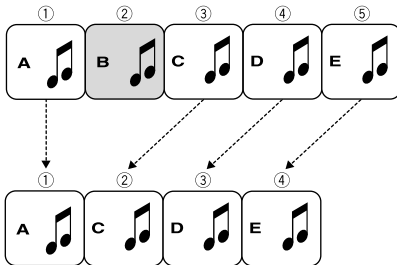
### NOTE

- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .

## Erasing a Track (ERASE)

Used frequently

### Example: Erasing tune B

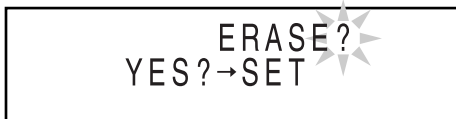


### CAUTION

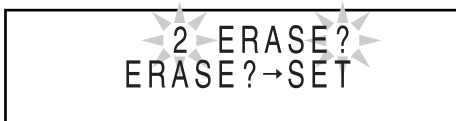
- Once you erase a track, you cannot retrieve it. Before erasing a track, confirm that you no longer need it.




■ While the track you want to erase (track 2 in the example shown above) is being played back

## 1 Press repeatedly to select "ERASE?".









## 2 Press .



- You can also select a track number with ,  or the number buttons. Refer to "Using the number buttons" ( page 10).

## 3 Press .



- "✓" is added in front of the selected track number.
- When you select a wrong track, press  to delete "✓".

- You can select up to 15 tracks to be erased with ,  or the number buttons, and . Refer to "Using the number buttons" ( page 10).
- When you select the 16th track and press , "MEMORY FULL" appears.

## 4 Press .

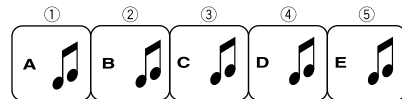
## 5 Confirm that you no longer need the tracks, and then press .


### NOTE

- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .

## Erasing All Tracks (ALL ERASE)

Used frequently



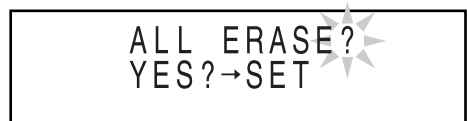
 All tracks are erased.



### CAUTION

- Once you erase a track, you cannot retrieve it. Before erasing a track, confirm that you no longer need it.


## 1 Press repeatedly to select "ALL ERASE?".



## 2 Press .

## 3 Confirm that you no longer need all tracks, and then press .

### NOTE

- You can quit the editing operation by pressing .

# Editing Tracks by Group

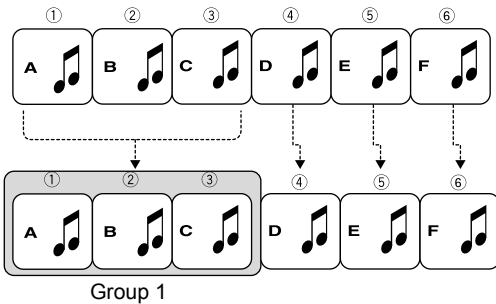
For the locations of remote control buttons, refer to page 29.

You can sort tracks into 99 groups maximum.

## Forming a Group (FORM GR)

You can group tracks together. A sequence of tracks that is not registered in any group can be grouped.

**Example: Forming tune A, tune B and tune C into a group**



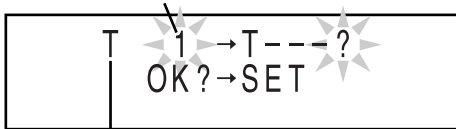
■ While the track which you want to specify as the first in the group (track 1 in the example shown above) is being played back

**1 Press**  **repeatedly to select "FORM GR?".**




• "GR" stands for "GROUP".

**2 Press** .

The first track number in the group



"T" stands for "TRACK".

• You can also select a track number with ,  or the number buttons. Refer to "Using the number buttons" ( page 10).


**3 Press** .

**4 Press**  or  to select the track number which you want to specify as the last in the group.

(Track number 3 is selected in the example shown on the left.)

The last track number in the group





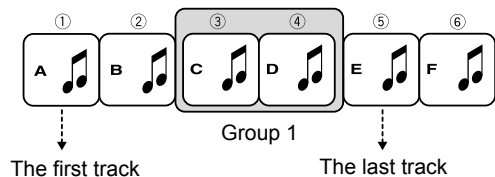
• You can also select a track number with the number buttons. Refer to "Using the number buttons" ( page 10).

**5 Press** .

**6 Press** .

### NOTE

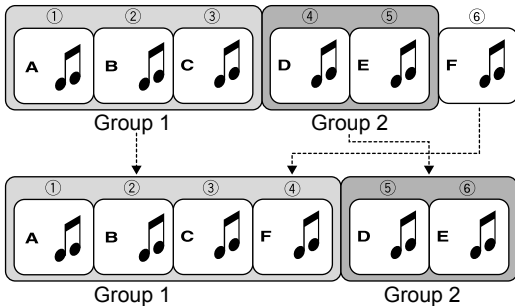
- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .
- If you select a track in another group, "GROUP TRACK" appears and you cannot proceed to the next step.
- If you select a sequence including a track that is registered in another group, "CANNOT FORM!" appears and you cannot proceed to the next step.



## Adding a Track to a Group (ENTRY GR)

You can add a track to the specified group as the last track of the group.

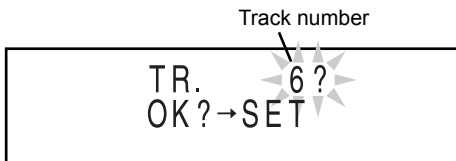
**Example: Adding tune F to group 1**



■ While the track which you want to add to a group (track 6 in the example shown above) is being played back

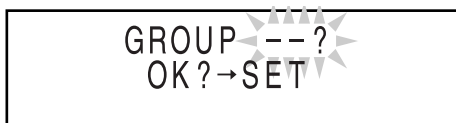
**1** Press repeatedly to select "ENTRY GR?".

**2** Press .



• You can also select a track number with , or the number buttons. Refer to "Using the number buttons" ( page 10).

**3** Press .



**4** Press or to select the group to which you want to add the track.

(Group 1 is selected in the example shown above)

**5** Press .

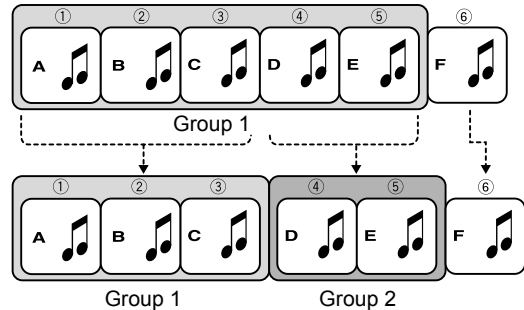
**6** Press .

### NOTE

- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .
- If you select a track already belonging to the group, "CANNOT ENTRY!" appears and you cannot proceed to the next step.

## Dividing a Group into Two Groups (DIVIDE GR)

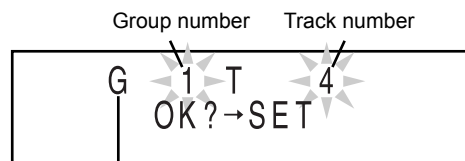
**Example: Dividing group 1 into two groups**



■ While the track which you want to specify as the first in the second group (track 4 in the example shown above) is being played back

**1** Press repeatedly to select "DIVIDE GR?".

**2** Press .



"G" stands for "GROUP".

- You can also select a track number with , or the number buttons. Refer to "Using the number buttons" ( page 10).
- You can also select a group number with



**3** Press .

**4** Press .

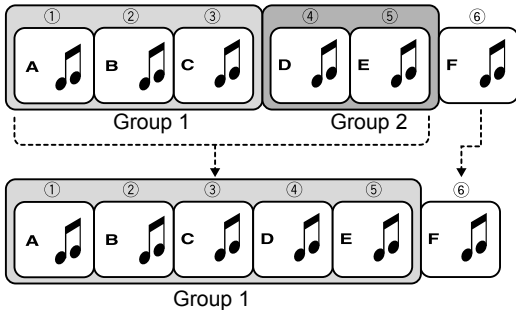
### NOTE

- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .
- If you select the first track in the group or a track not belonging to the group, you cannot proceed to the next step.
- When you divide a group that has a title, the same title is given to both divided sections.

## Joining Groups (JOIN GR)

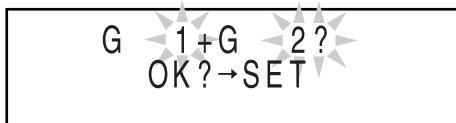
You can join two adjacent groups.

### Example: Joining group 1 and group 2



- While the track in the second group to which you want to join the first group (group 2 in the example shown above) is being played back

- Press repeatedly to select "JOIN GR?".
- Press .



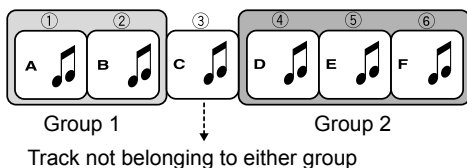
- Two adjacent group numbers appear. When no group is formed in the MD, "--" appears.
- You can also select a group number with



- Press .
- Press .

#### NOTE

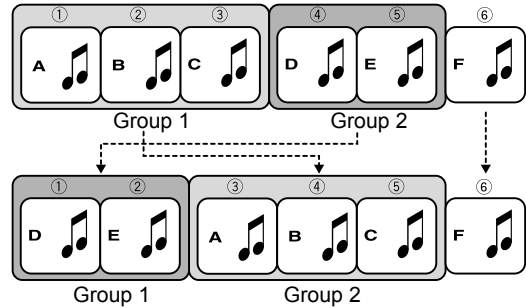
- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .
- You cannot join two groups separated by a track not belonging to either group. "CANNOT JOIN" appears, and display returns to the previous step.



- When you join two groups that have titles, the title of the first group remains as the title of the joined group.

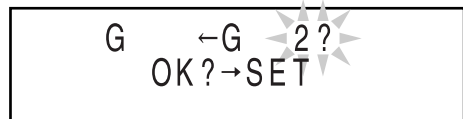
## Moving a Group (MOVE GR)

### Example: Moving group 2



- While a track in the group you want to move (group 2 in the example shown above) is being played back

- Press repeatedly to select "MOVE GR?".
- Press .

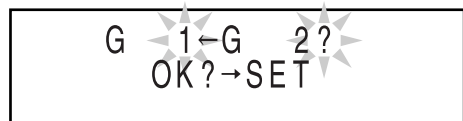


- You can also select a group number with



- Press .
- Press or to select the group number to which you want to move the specified group.

(Group 1 is selected in the example shown above)



- Press .
- Press .

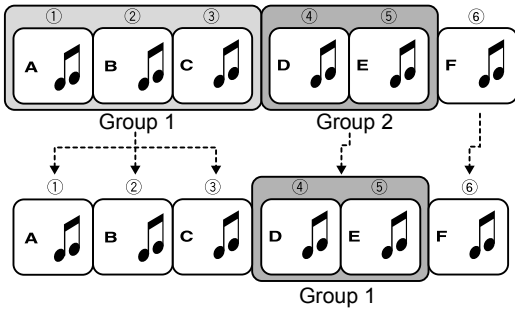
#### NOTE

- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .

## Canceling a Group (UNGROUP/UNGR ALL)

### Canceling a specified group (UNGROUP)

#### Example: Canceling group 1



■ While a track in the group you want to cancel (group 1 in the example shown above) is being played back

**1** Press  repeatedly to select "UNGROUP?".

**2** Press .

Example: When you want to cancel group 1





• You can also select a group number with



**3** Press .

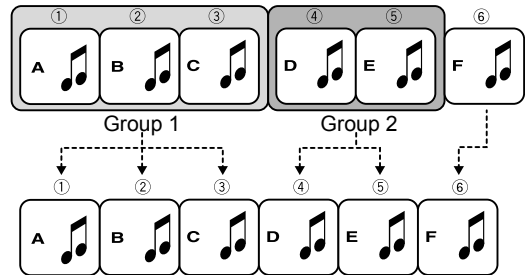
**4** Press .

#### NOTE

- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .

### Canceling all groups (UNGR ALL)

#### Example: Canceling all groups



**1** Press  repeatedly to select "UNGR ALL?".

- "UNGR" stands for "UNGROUP".

**2** Press .

**3** Press .

#### NOTE

- You can quit the editing operation by pressing

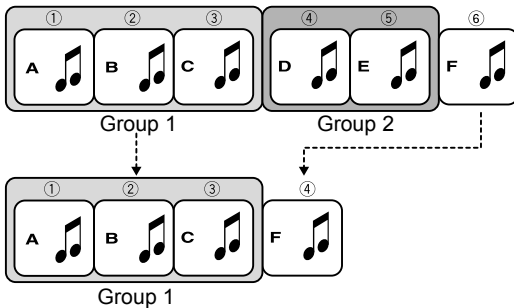




## Erasing a Group (ERASE GR)

You can erase a group including all tracks in the group.

### Example: Erasing group 2



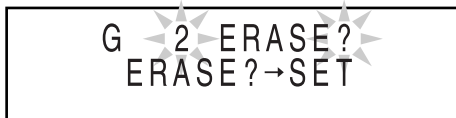
#### CAUTION

- Once you erase a track, you cannot retrieve it. Before erasing a track, confirm that you no longer need it.

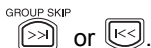
■ While a track in the group you want to erase (group 2 in the example shown above) is being played back

**1** Press  repeatedly to select "ERASE GR?".


**2** Press .





- You can also select a group number with

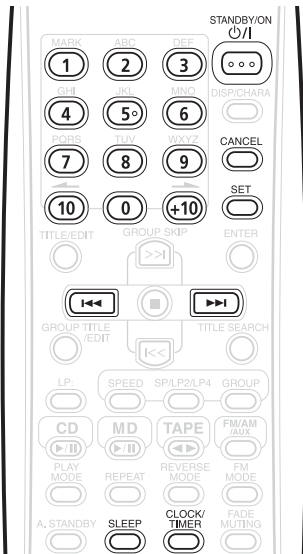


**3** Press .

**4** Confirm that you no longer need the tracks, and then press .

#### NOTE


- During editing, you can return to the previous step by pressing . You can quit the editing operation by pressing .

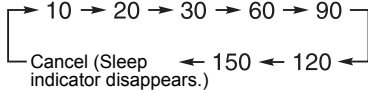


## Sleep Timer

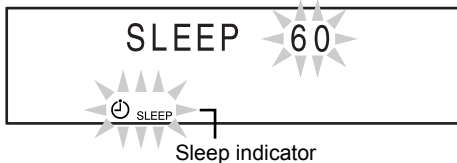
When the specified time passes, the main unit automatically turns off.

Press .


- Each time you press , the time display (in minutes) toggles as follows.




**Example: To set the sleep timer to 60 minutes**



### NOTE

- When you set the sleep timer, the display window automatically dims.
- Before the clock has been set (While "0:00" is flashing), when you press , "CLOCK ADJUST!" appears.

## Changing the sleep timer setting

- Press  repeatedly to select the time again.

## Confirming the sleep timer setting (remaining time)

- With the sleep timer activated, press  once.

## Recording Timer

You can use the recording timer function to record FM/AM broadcasts or sound from other equipment to an MD or cassette tape.

You can enter up to three timer settings in total for the recording timer and the playback timer

(👉 page 41).

### NOTE

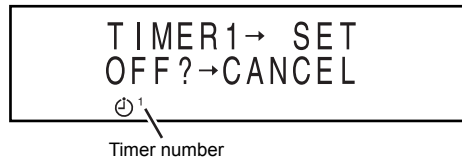
- Timer settings remain unchanged until the timer is replaced by new setting.

## 1 Prepare to record.

Radio	Preset the radio station whose broadcast you want to record. (👉 page 15)
Other equipment	Follow the operation manual for the equipment.
MD recording	Insert an MD. (👉 page 17)
Cassette tape recording	Insert a cassette tape. (👉 page 21)

## 2 Press repeatedly to select "TIMER1", "TIMER2" or "TIMER3".

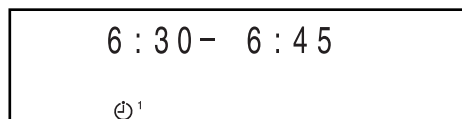
**Example: When "TIMER1" is selected**





## 3 Press .

## 4 Set the starting time and ending time.

**Example: To set the recording time from 6:30 a.m. to 6:45 a.m.**



- For setting the clock, refer to "Setting the Clock" (👉 page 10).

Entering the hour →  → Entering the minute → 

## 5 Press or to select "ONCE" or "EVERYDAY".

ONCE : The recording timer works once.

EVERYDAY: The recording timer works every day.

## 6 Press .

## 7 Press or to select "REC TIMER".

• "REC" stands for "Recording".

## 8 Press .





## 9 Press or to select the combination of a sound source and recording medium.

Example: To record an FM broadcast to an MD



- When you want to record sound from other equipment, you cannot use the recording timer function to start playback on any equipment other than this product.

### ■ When you want to record an FM/AM radio broadcast

- Press , and then press ,  or the number buttons to select the preset number of the radio station whose broadcast you want to record. Refer to "Using the number buttons" ( page 10).

## 10 Press .

- When you use an MD as the recording medium, proceed to step 11.
- When you use a cassette tape as the recording medium, the settings appear in the display window. Confirm the settings, and then proceed to step 13.

## 11 Press or to select the MDLP mode ( page 23).

## 12 Press .

- The settings appear in the display window.




## 13 When the main unit is on, press

 to turn off the main unit.




- While the recording timer is functioning, the volume is set to "0" and no sound is produced from the speakers or headphones.
- The recording timer is available only when the main unit is turned off.

### NOTE


- During operation, you can return to the previous step by pressing . You can quit the recording timer settings by pressing . The settings are not stored.
- When you want to change the track mark options, make the change before or after setting the recording timer. ( step 3 and 4 on pages 25 and 26)

## Canceling the recording timer

In step 2 on page 39, select the timer number you want to cancel, and then press .

Even when you cancel the recording timer, the setting remains stored.

## Activating the recording timer again

In step 2 on page 39, select the timer number you want to activate, and then press  repeatedly until all of the setting procedure finishes. Then turn off the main unit.

### NOTE

- When you want to activate two or three recording timers, leave a blank time of 2 or more minutes between the ending time of the first recording timer and the starting time of the second recording timer. If the blank time is less than 2 minutes, the second recording timer does not work.
- When the power plug is disconnected or the power is cut, the recording timer settings may be lost. If the settings are lost, set the clock and recording timer again.

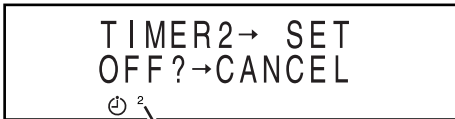
## Playback Timer

### 1 Prepare the sound source you want to play back.

CD	Make sure that a CD is loaded. (👉 page 16)
MD	Insert an MD. (👉 page 17)
Cassette tape	Insert a cassette tape. (👉 page 21)
Radio	Preset the radio station whose broadcast you want to listen to. (👉 page 15)
Other equipment	Follow the operation manual for the equipment.

### 2 Press repeatedly to select "TIMER1", "TIMER2" or "TIMER3".

Example: When "TIMER2" is selected

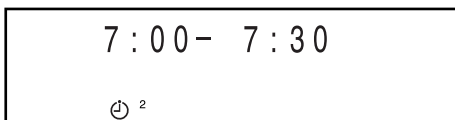


Timer number



### 3 Press .

### 4 Set the starting time and ending time.

Example: When you want to set the playback time from 7:00 a.m. to 7:30 a.m.



• For setting the clock, refer to "Setting the Clock" (👉 page 10).

Entering the hour →  → Entering the minute → 

### 5 Press or to select "ONCE" or "EVERYDAY".

ONCE : The playback timer works once.

EVERYDAY: The playback timer works every day.

### 6 Press .

### 7 Press or to select "PLAY TIMER".

### 8 Press .




### 9 Press or to select the sound source you want to play back.

Example: When you want to listen to an AM broadcast






- When you want to listen to sound from other equipment, you cannot use the playback timer function to start playback on any equipment other than this product.
- You cannot use the playback timer function together with program playback, repeat playback, random playback, or group playback of a CD or MD.

■ When you want to listen to an FM/AM radio broadcast

- Press , and then press ,  or the number buttons to select the preset number of the radio station whose broadcast you want to listen to (👉 page 15). Refer to "Using the number buttons" (👉 page 10).

■ When you want to play back a CD or MD

- Press , and then press ,  or the number buttons to select the number of the track you want to play back first. Refer to "Using the number buttons" (👉 page 10).

### 10 Press .

### 11 Press or to adjust the playback volume.

### 12 Press .

- The settings appear in the display window.



### 13 When the main unit is turned on,

press  to turn off the main unit.




- The playback timer is available only when the main unit is off.

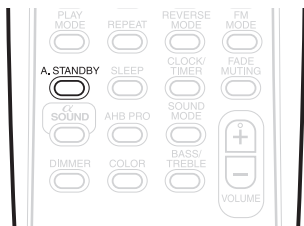
**NOTE**

- During operation, you can return to the previous step by pressing . You can quit the playback timer settings by pressing . The settings are not stored.
- When the playback timer starts, the volume gradually increases to the selected level.

## Canceling the playback timer function

In step 2 on page 41, select the timer number you want to cancel, and then press . Even when you cancel the playback timer, the setting remains stored.

## Auto Standby

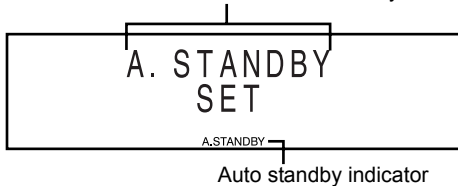


If no sound is produced for 3 or more minutes when a sound source other than the FM/AM radio is selected, the main unit automatically turns off.

- When a sound source other than the FM/AM radio is selected

Press .

"A. STANDBY" stands for "Auto Standby".




Auto standby indicator

### Auto standby performance

#### While a CD, MD, or cassette tape is being played back or recorded:

When playback or recording finishes, auto standby starts the countdown (The "A.STANDBY" indicator flashes). When no operation is carried out within 3 minutes, the main unit automatically turns off. When you start playback or recording within 3 minutes, auto standby starts the countdown again after playback or recording finishes.

### Activating the playback timer again

In step 2 on page 41, select the timer number you want to activate, and then press  repeatedly until all of the setting procedure finishes. Then turn off the main unit.

**NOTE**

- When you want to activate two or three playback timers, leave a blank time of 2 or more minutes between the ending time of the first playback timer and the starting time of the second playback timer. If the blank time is less than 2 minutes, the second playback timer does not work.
- When the power plug is disconnected or the power is cut, the playback timer settings may be lost. If the settings are lost, set the clock and playback timer again.

When an operation other than playback and recording finishes and no operation is carried out within 3 minutes, the main unit automatically turns off.

#### While you are listening to sound from other equipment

When no sound is produced, auto standby starts the countdown (The "A.STANDBY" indicator flashes). When no operation is carried out within 3 minutes, the main unit automatically turns off.

"A. STANDBY OFF" starts to flash 20 seconds before the main unit is to turn off.

### Canceling auto standby

Press  once again.



**NOTE**

- Leaving the volume at "0" is not the same as producing no sound, and therefore does not start the auto standby function.



# Restrictions on MDs

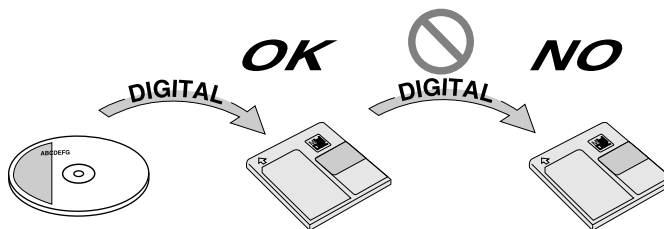
MDs employ an original recording method different from those used for cassette tapes and digital audio tapes. Because the MD recording method has some restrictions, the following phenomena may occur. The phenomena are not a malfunction of this product.

Phenomenon	Possible cause
"DISC FULL" appears even though recordable time as printed on the MD remains.	Regardless of remaining recordable time, MDs have a limit on the number of recordable tracks. You cannot record 255 or more tracks to an MD. (You can record up to 254 tracks to an MD.)
"DISC FULL" appears even though the track numbers and recordable time have not reached the limit.	Repeated partial erasure and recording creates numerous time blanks on an MD. When you record a track to such an MD, the track is split up and a small portion of the track is inserted into each time blank.
You cannot join tracks or groups.	When the number of such split portions increases, "DISC FULL" may appear.
The remaining recordable time does not increase even after you have erased some tracks.	When a split portion is 8 or less seconds in SP mode (the standard stereo recording mode), you cannot join it with another track. In addition, when you erase such portions, remaining recordable time does not increase.
Sound drops out intermittently during fast forward or fast reverse.	With a track split among many time blanks, fast forward or fast reverse may produce intermittent sound dropouts. You cannot join tracks that have different MDLP modes (SP/LP2/LP4).
Recorded time plus remaining time is shorter than the total recordable time printed on the MD.	MD recording is possible only when there is a time blank of 12 or more seconds consecutively (in SP mode (the standard stereo recording mode) ) on the MD. Actual recording time is shortened on an MD that contains numerous time blanks.

You can make a clear digital recording from a CD to an MD. However, you are prohibited from duplicating the digitally recorded sound from that MD to another MD using the original digital signals. In short, you cannot make "a copy of a copy". This rule is called the Serial Copy Management System (SCMS). This product is designed to comply with this rule.

## Serial Copy Management System (SCMS)

The Serial Copy Management System protects copyright and allows only first-generation digital copies from the digitally recordable source.



### CAUTION

- The SCMS does not permit you to record sound from a digitally recorded MD to other media as digital sound.
- You cannot digitally record a digitally recorded CD-R/CD-RW to an MD. "SCMS CANNOT COPY" appears and the digital sound is converted to analog.

### High Speed Copy Management System (HCMS)

You can record sound to an MD at a higher speed than normal recording. Therefore, restrictions are required in order to protect copyright.

When you use this product to record a track of a CD with the high speed recording function, this product does not permit you to use the high speed recording function to record the same track of a CD to an MD within 74 minutes of the start of the first recording.

For instance, when you record the first track of a CD to an MD with the high speed recording function, you cannot record the same track to an MD for 74 minutes after the first high speed recording started. In addition, when recording tracks from a CD with the high speed recording function, you cannot record 101 or more tracks within 74 minutes after recording starts. You can record up to 100 tracks in such a case.

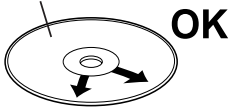
# Handling CDs/MDs/Cassette Tapes

## Handling CDs

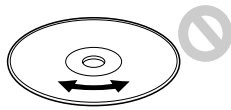
- Do not put adhesive tape or stickers, or write on a CD.
- Do not bend a CD.
- Be sure not to use heart/flower shaped CDs or other irregularly shaped CDs. The use of such CDs damages the main unit.

## Cleaning CDs

Signal surface



Wipe a CD from the center outward with a soft cloth.

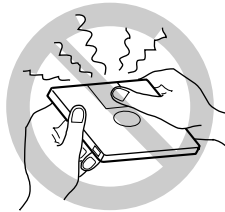


Scratches concentrated on a certain part cause sound dropout.

- Be sure not to use thinners, benzenes, cleaners for analog records, or other chemical agents.

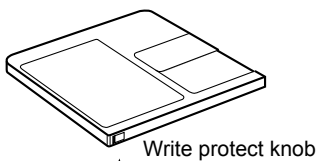
## Handling MDs

- Do not open the shutter. Forcibly opening the shutter will break the MD.

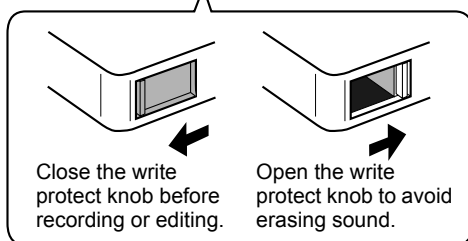


## Preventing the loss of important recorded sound

- A write protect knob is attached to an MD for preventing accidental erasure of recorded sound.



Write protect knob



Close the write protect knob before recording or editing.

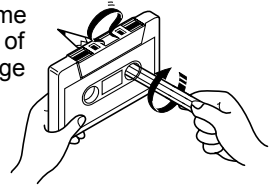
Open the write protect knob to avoid erasing sound.

### NOTE

- Do not put labels such as those indicating CD/track titles or other notes on any part of an MD other than the specified position. If you insert an MD with a label extending beyond the specified area, a label that is peeling off, or any other improperly attached label, it may damage the main unit.

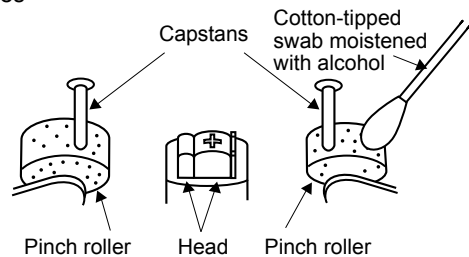
## Handling cassette tapes

- A slack tape may become caught in the inner part of the main unit and damage the main unit. Before using a cassette tape, wind up any slack in the cassette tape as shown on the right. Do not pull out the tape or touch the tape's surface.



## Cleaning the tape deck head

Clean the head, pinch rollers and capstans approximately every 10 hours of playback time before the volume falls or sound quality deteriorates



Pinch roller

Head

Pinch roller

## Cleaning the main unit cabinet

- Gently dust the cabinet surface with a soft dry cloth. When the cabinet is very dirty, dampen the cloth with a neutral detergent diluted with water, wring out the cloth well, and then wipe the cabinet with the dampened cloth followed by a soft dry cloth.
- Do not wipe the cabinet with thinners or benzenes. Wiping it with these agents may cause discoloration of the cabinet or removal of the paint. Do not spray insecticides or other highly volatile agents onto the cabinet. Do not leave pieces of rubber or plastic on the cabinet for a long period.



# MD/CD Messages

MD message	Meaning	Possible solution
CANNOT ENTRY!	You are trying to add a track that already belongs to the group.	Select groupable tracks. (👉 page 35)
CANNOT FORM!	You are trying to form a new group with a sequence of tracks included in other groups.	Select groupable tracks. (👉 page 34)
CANNOT GROUP!	There is no more space for group information. (Group information is stored in the same area as title information.)	You cannot add more group information. (Find and erase unnecessary titles from the MD or tracks.)
CANNOT JOIN	You are trying to join tracks that have different MDLP modes (SP/LP2/LP4), or tracks of only 8 or less seconds which are recorded in SP mode (the standard stereo recording mode)).	The MD system restricts such operation.
CANNOT LISTEN	You are trying to adjust the volume during high speed recording.	You cannot listen to sound from a CD during high speed recording.
CANNOT TITLE	You are trying to enter a total of 1,793 or more characters to the MD.	You cannot enter more titles.
READ ERROR	The MD information cannot be read.	Momentarily turn off the main unit. If the same message appears again, the MD may be malfunctioning. Replace the MD.
DISC FULL	There is no more space in the MD. You are trying to record 255 or more tracks.	Replace the MD with a recordable MD. (👉 page 44)
DISC PROTECTED	You are trying to edit or record a track in an MD whose write protect knob is open.	Close the write protect knob on the MD. (👉 page 45).
EMERGENCY STOP	A malfunction occurred during recording.	Press ⏹ (Stop) to quit recording, press ⏏ (Eject) to eject the MD, and then start recording again. <span style="float: right;">MD▲</span>
GROUP FULL	You are trying to form 100 or more groups.	You can form up to 99 groups.
GROUP TRACK	You are trying to form a group with a track already belonging to another group.	Select groupable tracks. (👉 page 34)
LOAD ERROR	The MD is not properly loaded.	Insert the MD properly.
MD NO DISC	No MD is loaded.	Insert an MD.
PLAYBACK DISC	You are trying to record to an MD which is designed only for playback.	Replace the MD with a recordable MD.
SCMS CANNOT COPY	You are trying to make a digital audio duplication of a CD-R or CD-RW.	Normal speed analog recording is automatically used. (👉 page 25)
TRACK PROTECTED	You are trying to divide, join, or erase tracks which are recorded in the Net MD format.	Edit the tracks on equipment compatible with Net MD.
	The tracks are write-protected on equipment other than this product.	Edit the tracks on the equipment on which the tracks were recorded.
HCMS CANNOT COPY	You are trying to record a track with the high speed recording function within 74 minutes of starting to record that same track with the high speed recording function.	An internal timer is functioning for copyright protection. Wait 74 minutes, or change from high speed recording to normal speed recording.
BLANK DISC	There are no tracks in the MD.	—

CD message	Meaning	Possible solution
CANNOT PLAY	You are trying to play back an unplayable CD or a CD that has many scratches.	Replace the CD.
CD NO DISC	No CD is loaded.	Place a CD on the CD tray.

# Troubleshooting

Check the following points before contacting the JVC service center.

Problem	Possible cause	Possible solution	Reference page
No sound is produced from the speakers.	Improper connection.	Connect all cords properly as in "Connections".	8
	Headphones are connected.	Disconnect the headphone plug.	4
The clock display is flashing.	The main unit is turned off because of a power cut. The power plug is disconnected.	Reset the clock.	10
CD/MD playback does not start.	The CD is upside down.	Place the CD on the CD tray with the letter-printed surface facing up.	16
	Moisture has condensed on the lens.	Leave the main unit turned on, wait for approximately 1 or 2 hours, and then operate the main unit.	2
A certain point cannot be played back properly.	The CD is scratched or dirty.	Clean or replace the CD.	45
	An error occurred on the MD.	Record to the MD again.	23
The volume of cassette tape playback is low.	The head or capstans are dirty.	Clean the head or capstans.	45
You cannot record MD/cassette tape playback.	The MD/cassette tape is write-protected.	Close the write protect knob on the MD.	45
		Cover the write protect tag holes on the cassette tape with adhesive tape.	27
A radio broadcast cannot be received.	No antenna is connected.	Connect an antenna.	6
A whirring noise is produced.	The main unit is located close to a TV, computer, or other electric appliance.	Place the main unit away from a TV, computer, or other electric appliance.	2
The timer does not function.	You did not set the clock.	Set the clock.	10
	The main unit is turned on.	After setting the timer, turn off the main unit.	40, 41
You cannot operate the remote control.	The remote control batteries are running low.	Replace the batteries with new batteries.	5
Operations are disabled.	The built-in microprocessor may malfunction due to external electrical interference.	Disconnect the power plug, and then connect it back in.	–

# Specifications

Specifications are subject to change without prior notice.

## ■MD/CD receiver (CA-UXQ1S/ CA-UXQ1W)

### Amplifier

Output power	20 W + 20 W at 4 $\Omega$ (10% THD)
Input terminals <Analogue>	AUX $\times$ 1, 500 mV/47 k $\Omega$ :LEVEL1 250 mV/47 k $\Omega$ :LEVEL2
Output terminals <Analogue>	Speaker $\times$ 1, 20 W/4 $\Omega$ Impedance 4 $\Omega$ - 16 $\Omega$ Headphone ( $\times$ 1), 25 mW/32 $\Omega$ Impedance 16 $\Omega$ - 1 k $\Omega$

### Tuner

Frequency	FM:87.50 MHz - 108.00 MHz (0.05 MHz spacing) AM:531 kHz - 1,710 kHz (9 kHz spacing) 530 kHz - 1,710 kHz (10 kHz spacing)
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### CD player

Playable discs	Audio CDs
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### MD recorder

Audio playing system	MiniDisc digital audio system
Recording system	Magneto-optical overwrite system
Reading system	Non-contact, semiconductor laser pickup
Recording/Playback time (when using an 80-minute MD)	SP: 80 minutes LP2: 160 minutes LP4: 320 minutes
Sampling frequency	44.1 kHz
Audio compression system	ATRAC (Adaptive TRansform Acoustic Coding)/ATRAC3 (MDLP)

### Cassette deck

Frequency response	
Normal (type I)	60 Hz - 14,000 Hz
Wow and flutter	0.15% (WRMS)

### General

Power requirement	AC 220 V $\sim$ , 50 Hz
Power consumption	55 W (at operation) 1 W (on standby)
Dimensions	165 mm (W) $\times$ 200 mm (H) $\times$ 355 mm (D)
Mass (approx.)	5.1 kg

## ■Speaker (SP-UXQ1S/SP-UXQ1W)

System	2-way bass reflex type
Speakers	Woofer: 10 cm $\times$ 1 Tweeter: 4 cm $\times$ 1
Power handling capacity	20 W
Impedance	4 $\Omega$
Frequency range	56 Hz - 20 kHz
Sound pressure level	84 dB/W $\cdot$ m
Dimensions	135 mm (W) $\times$ 200.5 mm (H) $\times$ 211.5 mm (D)
Mass (approx.)	1.9 kg (1 unit)

## ■Micro component MD system (UX-Q1S/UX-Q1W)

### General

Dimensions	435 mm (W) $\times$ 200.5 mm (H) $\times$ 355 mm (D)
Mass (approx.)	8.9 kg

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# JVC

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