JVC

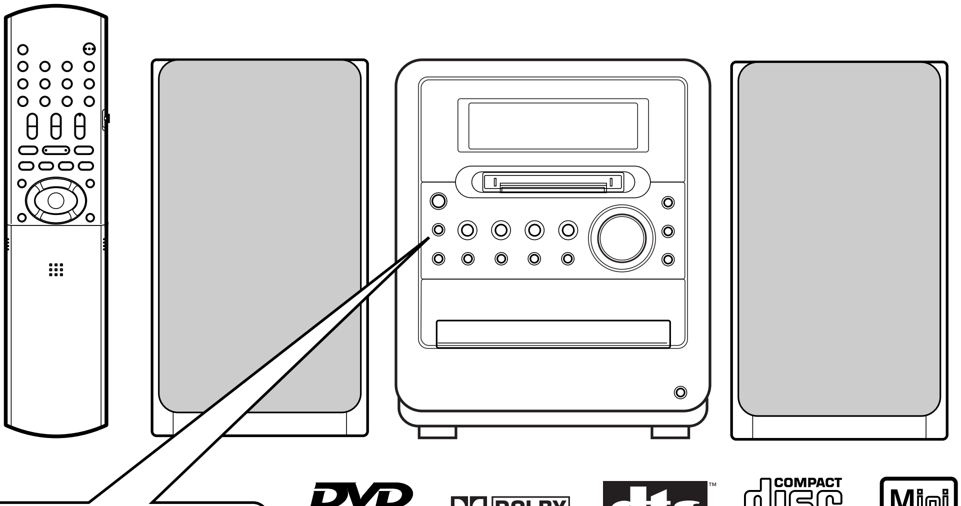
MICRO COMPONENT MD SYSTEM
MD 微型组合音响

UX-QD7M

Consists of CA-UXQD7M and SP-UXQD6M
由 CA-UXQD7M 和 SP-UXQD6M 组成

UX-QD7W

Consists of CA-UXQD7W and SP-UXQD6W
由 CA-UXQD7W 和 SP-UXQD6W 组成



For hiding the demonstration display, refer to page 16.
有关隐藏演示显示的详情，请参阅第 **16** 页。

DVD AUDIO/VIDEO
DOLBY DIGITAL
dts 2.0+DIGITAL OUT
COMPACT disc SUPER VIDEO
Mini Disc
MDLP
AV COMPU LINK
Digital Direct Progressive Scan
3D-PHONIC

INSTRUCTIONS
使用说明书

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 — ⏻/I button!

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

注意一 ⏻/I 开关！

想要完全关闭电源，须将电源插头从插座上拔下。
无论 ⏻/I 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。

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

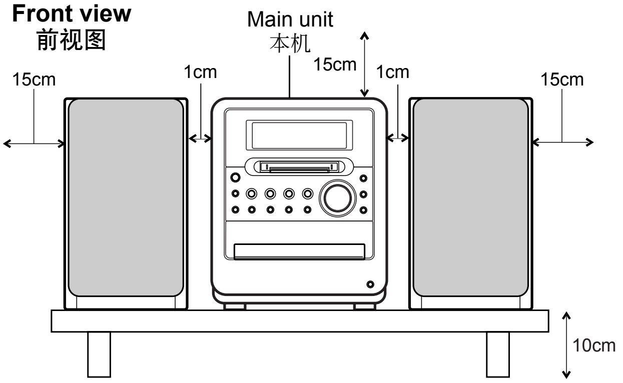
注意 — 正确的通风方法

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

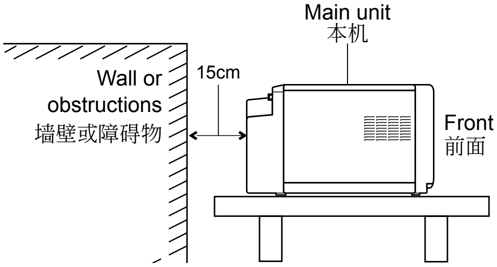


Table of Contents

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

Introduction

Preparation

Basic Operations

Listening to Radio Broadcasts

Listening to Discs

Listening to Cassette Tapes

Listening to Other Equipment

Listening to MDs

Recording Sound

Editing MDs

Convenient Functions

Reference

Notes on Operation

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, other 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.

- Manufactured under license from Dolby Laboratories. "Dolby", "MLP Lossless", and the double-D symbol are trademarks of Dolby Laboratories.
- "DTS" and "DTS 2.0+DIGITAL OUT" are registered trademarks of Digital Theater Systems, Inc.
- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Playable Disc Types

This product has been designed to play back the following discs:
DVD VIDEO, DVD AUDIO, VCD, SVCD, CD
This product can also play back the following discs:

- Finalized DVD-R/RW discs recorded in the DVD VIDEO format.
- CD-R/RW discs recorded in the following formats

- Music CDs (finalized discs)
- VCDs
- SVCDs
- MP3/WMA/JPEG discs recorded in ISO 9660 (for details, refer to "About MP3/WMA/JPEG discs")

However, some discs may not be played back because of their disc characteristics, recording conditions, or damage or stain on them.
Only sounds can be played back from the following discs:

MIX-MODE CD	CD-G
CD-EXTRA	CD TEXT

Discs you can play:

Disc Type	Mark (Logo)	Video Format	Region Code Number*
DVD VIDEO	DVD VIDEO DVD VIDEO	PAL/ NTSC	3/ALL
DVD AUDIO	DVD AUDIO/VIDEO DVD AUDIO	—	—
VCD	COMPACT disc DIGITAL VIDEO Video CD	PAL/ NTSC	—
SVCD	COMPACT disc SUPER VIDEO VIDEO CD	PAL/ NTSC	—
CD	COMPACT disc DIGITAL AUDIO	—	—
CD-R	COMPACT disc DIGITAL AUDIO Recordable	—	—
CD-RW	COMPACT disc DIGITAL AUDIO ReWritable	—	—

DVD Logo is a trademark of DVD Format/Logo Licensing Corporation.

* **Note on Region Code**
DVD players and DVD VIDEOs have their own region code numbers. This product can only play back a DVD VIDEO recorded with the region code number and video format mentioned above.

Examples:

ALL　3　1 3　1 2 3 4

If a DVD VIDEO with an improper region code number is loaded, "REGION CODE ERROR!" appears on the TV screen and playback cannot start.

- **On some DVD VIDEOs, DVD AUDIOs, VCDs or SVCDs, their actual operation may be different from what is explained in this manual. This is due to the disc programming and disc structure, not a malfunction of this product.**

About CD-Rs/CD-RWs

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

- You can play back a CD-R/CD-RW which has been recorded in the audio CD format and a CD-R/CD-RW to which audio data (MP3/WMA) or a still picture data (JPEG) file is recorded.
  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/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.

Discs that cannot be played back

- The following discs cannot be played back: DVD-ROM, DVD-RAM, DVD-RW (recorded in VR format), CD-ROM, CD-I (CD-I Ready), Photo CD, SACD, etc.
  Playing back these discs will generate noise and damage the speakers.
- Damaged discs and discs in an extraordinary shape (other than a disc of 12 cm or 8 cm in diameter) cannot be played back.
- JVC do not guarantee the operation and sound quality of discs not authorized by CD-DA, which is a CD specification.
  Before playback, confirm that the disc complies with this CD specification by checking the marks and reading notes printed on the package.

About MP3/WMA/JPEG discs

Playable MP3/WMA/JPEG discs and files

- Discs recorded in the ISO 9660 format are playable (except discs recorded in the "packet write" format (UDF format)).
- Discs recorded in the multi-session format are also playable.
- Files with an extension of ".mp3", ".wma", ".jpg" or ".jpeg" (extensions with uppercase and lowercase letters mixed are also acceptable) are playable.

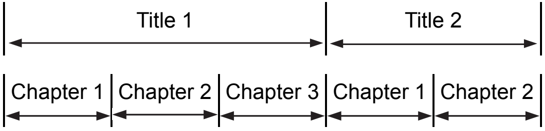
Notes on MP3/WMA/JPEG discs and files

- A disc may not be played back, or reading it may take a long time depending on its recording conditions or properties.
- The time needed for reading varies with the number of groups or tracks (files) recorded on the disc.
- If a character other than single byte English characters is used in the file name of an MP3/WMA/JPEG file, the track/file name will not be displayed correctly.
- The order of tracks/groups displayed on the MP3/WMA Control screen, and the order of files/groups displayed on the JPEG Control screen may be different from that of files/folders displayed on PC's monitor screen.
- In the case of MP3/WMA discs, since groups/tracks are played back in alphabetical order, an off-the-shelf MP3/WMA disc may be played back in an order different from that indicated on the label attached to the disc.
- Playing back an MP3/WMA file including a still image may take a long time. The elapsed time is not displayed until playing back starts. If playing back starts, the elapsed time may not be displayed correctly.
- For an MP3/WMA file, a disc with a sampling frequency of 44.1 kHz and transmission rate of 128 kbps is recommended.
- This product is not compatible with MP3i or MP3PRO.
- This product can play back a baseline JPEG file, excluding monochromatic JPEG files.
- This product can play back JPEG data taken with a digital camera conforming to the DCF (Design Rule for Camera File System) standard (when a function is applied such as the automatic rotation function of a digital camera, data goes beyond the DCF standard, so the image may not be displayed).
- If data has been processed, edited and restored with PC image editing software, the data may not be displayed.
- This product cannot play back animations such as MOTION JPEG, or still pictures (TIFF etc.) other than JPEG, and image data with sound.
- The resolution of 640 x 480 pixels is recommended for JPEG files. If a file has been recorded at a resolution of more than 640 x 480 pixels, display may take a long time. An image with a resolution of more than 8 192 x 7 680 pixels cannot be displayed.
- Files recorded on DVD-R/RW discs cannot be played back.

Disc Structure

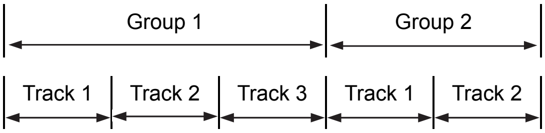
DVD VIDEO

A DVD VIDEO consists of "titles" and each title may be divided into "chapters".



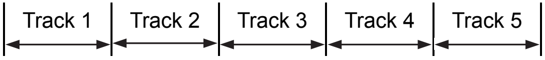
DVD AUDIO

A DVD AUDIO consists of "groups" and each group may be divided into "tracks".
Some discs include a "bonus group" that requires a password for playing (☞ page 31).



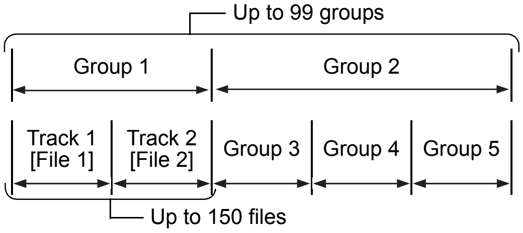
VCD/SVCD/CD

VCD, SVCD and CD consist of "tracks".
In general, each track has its own track number. (On some discs, each track may also be further divided by indexes.)



MP3/WMA [JPEG] discs

On an MP3/WMA [JPEG] disc, each still picture (material) is recorded as a track [file]. Tracks [Files] are usually grouped into a folder. Folders can also include other folders, creating hierarchical folder layers.
This unit simplifies the hierarchical construction of a disc and manages folders by "groups".

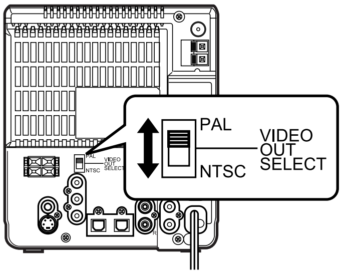


This product can recognize up to 1 000 tracks [files] in a disc. Also, the product can recognize up to 150 tracks [files] per group and up to 99 groups in a disc. Since the unit ignores the tracks [files] whose numbers are exceeding 150 and the groups whose numbers are exceeding 99, they cannot be played back.

- If there is any type of files other than MP3/WMA [JPEG] files in a disc, those tracks [files] are also counted in the total file number.

Selecting the Color System

This product is compatible with PAL and NTSC color systems.
In standby mode, select PAL or NTSC to match your TV.
If the VIDEO OUT SELECT switch is switched over when the power is on, turn off the power, and then turn it on again.



Color system of TV	VIDEO OUT SELECT
Multi-color system	PAL or NTSC*
PAL	PAL
NTSC	NTSC

* Set the color system of the unit and TV to match the playback disc.

- Before playing back a disc, it is also required to select the correct MONITOR TYPE in the PICTURE menu according to the aspect ratio of your TV (☞ page 39).

NOTE

- If you play back an NTSC disc with this setting set to "PAL", you can watch the playback pictures (the disc will be reproduced using "PAL 60" format), but the TV screen may rolls over upward and downward rapidly.

NOTE

- If you play back a PAL disc with this setting set to "NTSC", you can watch the playback pictures, but the following symptoms may occur:
  - The items on the disc menu will be blurred, and be shown slightly shifted when highlighted.
  - The aspect ratio of the picture may differ from the original aspect ratio.
  - The picture movement is not smooth.

Special Cautions

Notes on Handling

■Important cautions

Installation of the system

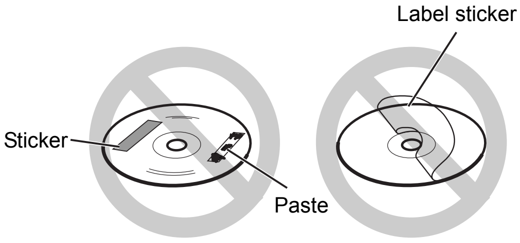
- Select a place which is level, dry and neither too hot nor too cold; between 5°C and 35°C.
- Leave sufficient distance between the system and the TV.
- Do not use the system in a place subject to vibration.

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 equipment.

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

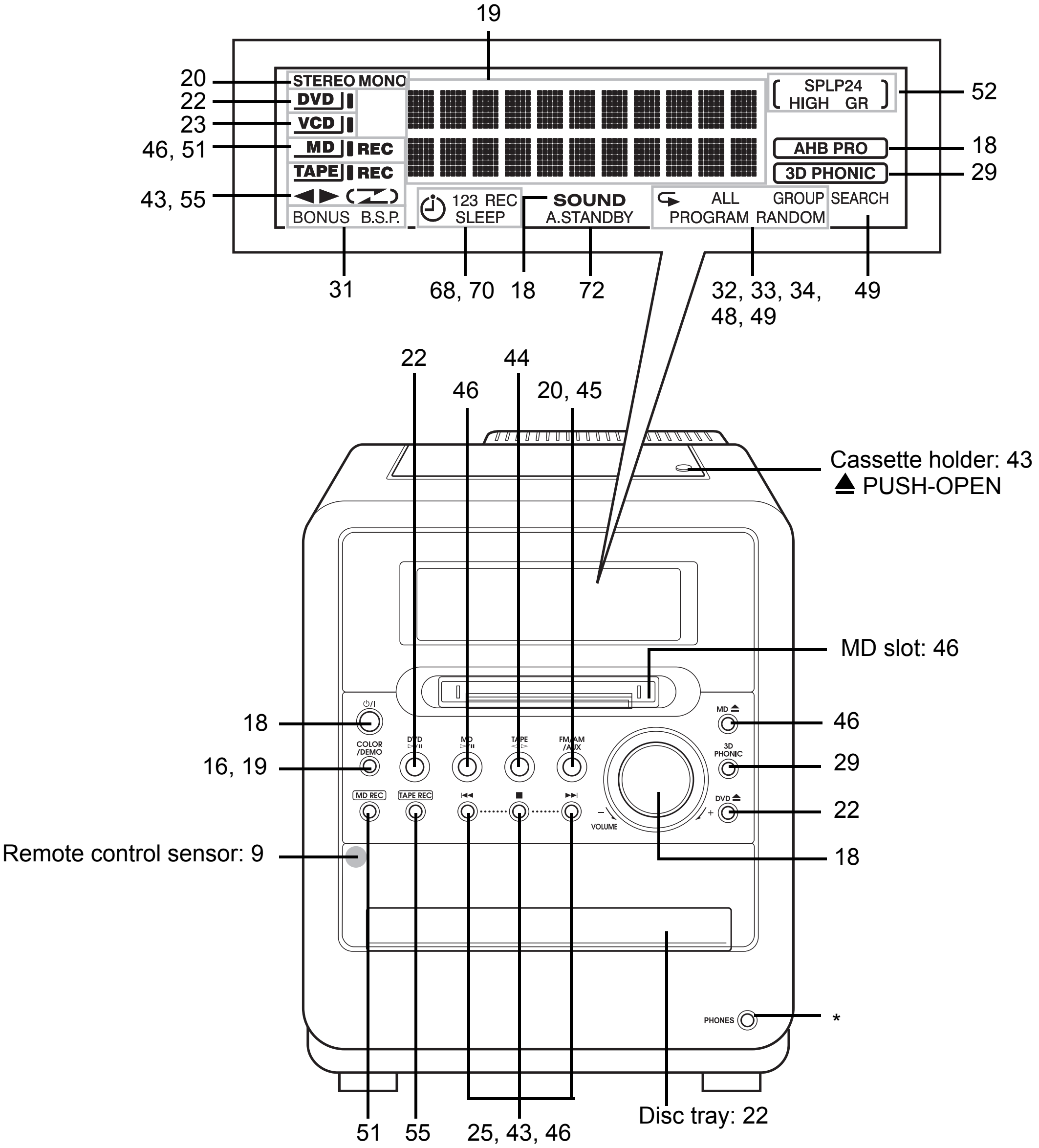
Check to be sure you have all of the supplied accessories.
The number in parentheses is the quantity of the pieces supplied. If anything is missing, contact your dealer immediately.

Remote control (1)
Batteries (2)
FM antenna (1)
AM loop antenna (1)
Video cord (1)

- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Part Description

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

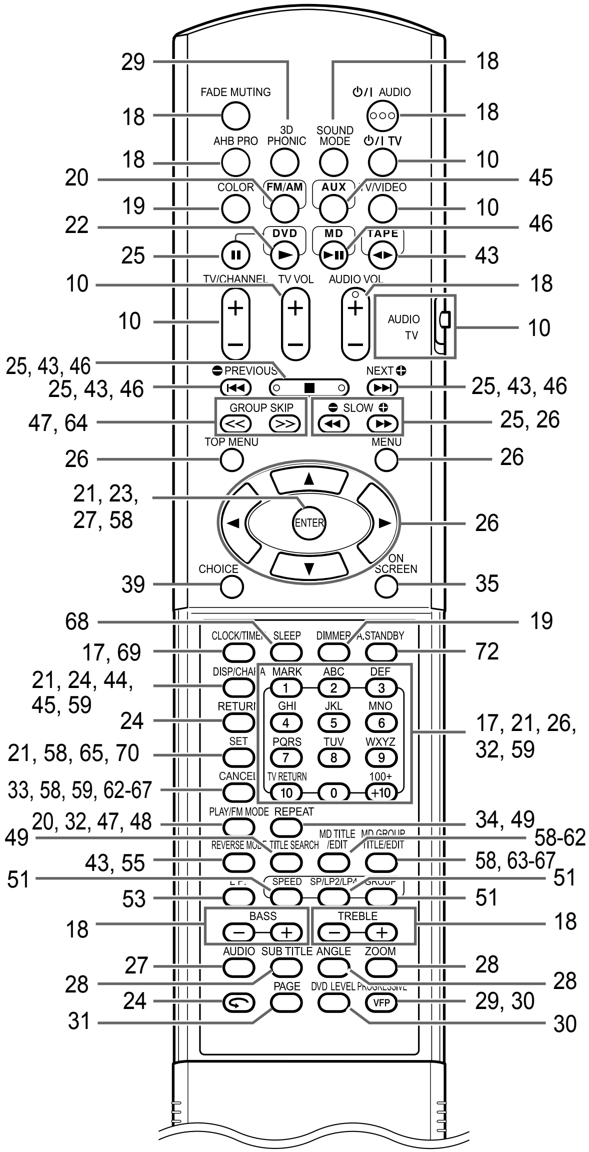


---

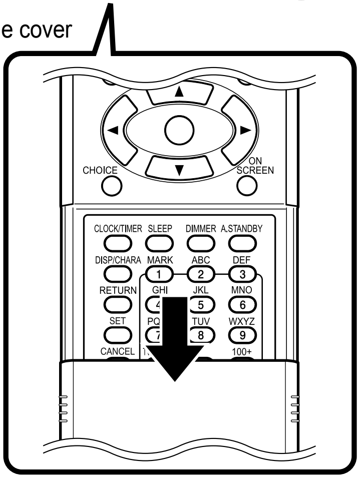
* This terminal is for connecting a pair of headphones equipped with a stereo mini plug (not supplied). While the headphones are connected, the speakers do not produce any sound.

Remote Control

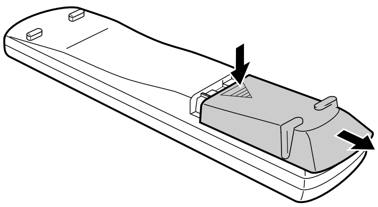
The numbers refer to the pages in which the parts are explained.

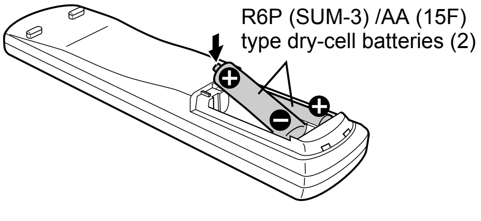


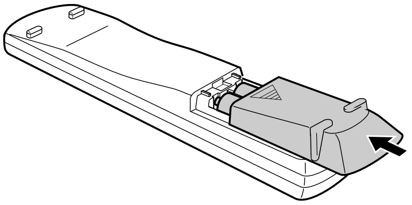
Opening the cover



Inserting Batteries into the Remote Control







CAUTION

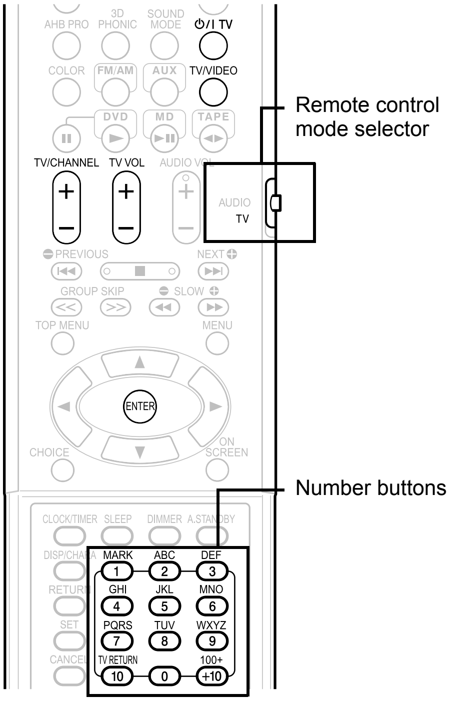
- Do not use a used battery and a new battery together.
- Do not use different types of batteries at the same time.
- Take out the batteries if the remote control is not to be used for a long time. Otherwise it may cause a leakage.

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.

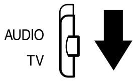
This page is for when operating your TV using the remote control of this product.

Operating the TV Using the Remote Control



Setting the manufacturer's code

1 Slide the remote control mode selector to the TV side.



2 Hold down ⏻/I TV ○.

NOTE

- Hold down ⏻/I TV ○ until step 4 is completed.

3 Press (ENTER) and release.

4 Press number buttons (1-9, 0).

Examples:

For a Hitachi TV: Press 1, then 0.
For a Toshiba TV: Press 0, then 8.

If there are two or more manufacturer's codes, try them in turn and select the one that causes the product to work properly.

Manufacturer	Code	Manufacturer	Code
JVC	01	Samsung	12
Hitachi	10	Sanyo	13
Magnavox	02	Sharp	06
Mitsubishi	03	Sony	07
Panasonic	04, 11	Toshiba	08
Philips	14	Zenith	09
RCA	05		

5 Release ⏻/I TV ○.

NOTE

- The manufacturer's codes may be changed without notice. You may not be able to operate a TV produced by the manufacturer shown above.

For TV operation

Operate the remote control by pointing it towards the TV.

⏻/I TV ○	Turn on/off the power.	
TV/CHANNEL + –	Change channels.	
TV VOL + –	Adjust volume.	
MARK (1) - WXYZ (9) / (0) / 100+ (+10)	AUDIO TV ↓ *1	Select channels.
TV RETURN (10)	Change between the previously selected channel and the current channel.	
TV/VIDEO ○	Change between TV and video input.	

*1 Make sure to slide the remote control mode selector to the TV side in advance.

NOTE

- When the batteries are replaced, perform the manufacturer's code setting again.

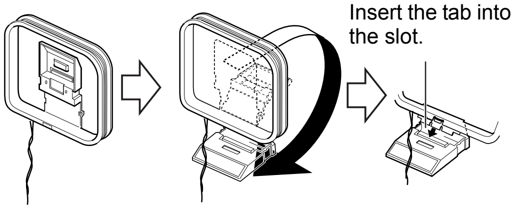
Connections

Connect all necessary parts before connecting the power plug.

Connecting the Antennas

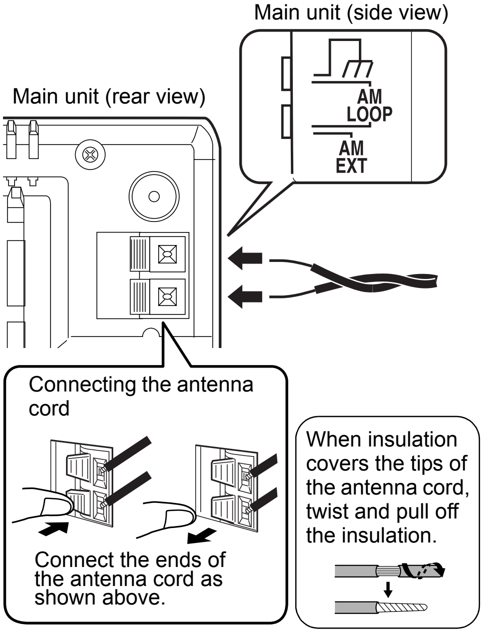
Connecting the AM antenna

1 Set up the AM antenna (supplied).



Insert the tab into the slot.

2 Connect the antenna cord.



Connecting the antenna cord

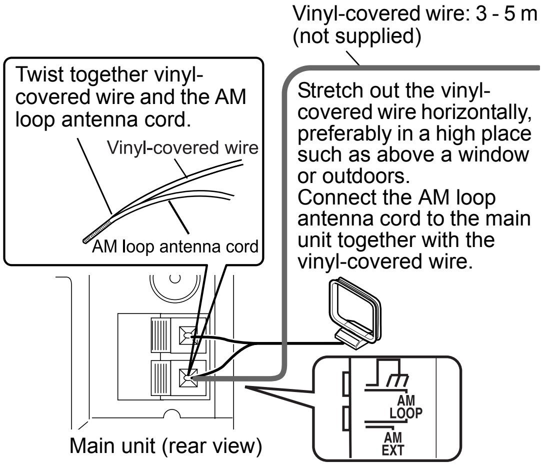
Connect the ends of the antenna cord as shown above.

When insulation covers the tips of the antenna cord, twist and pull off the insulation.

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 appliances. Doing so may affect radio reception.

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

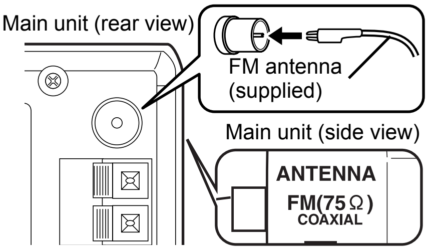


Twist together vinyl-covered wire and the AM loop antenna cord.

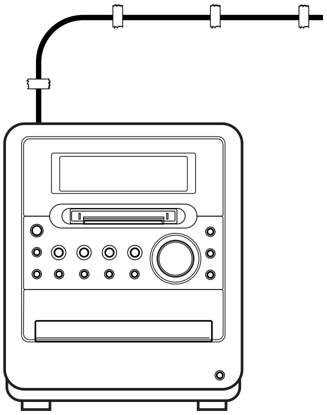
Stretch out the vinyl-covered wire horizontally, preferably in a high place such as above a window or outdoors.
Connect the AM loop antenna cord to the main unit together with the vinyl-covered wire.

When positioning the antennas, find the best position for reception while listening to an actual radio program (refer to "Listening to Radio Broadcasts" (☞ page 20)).

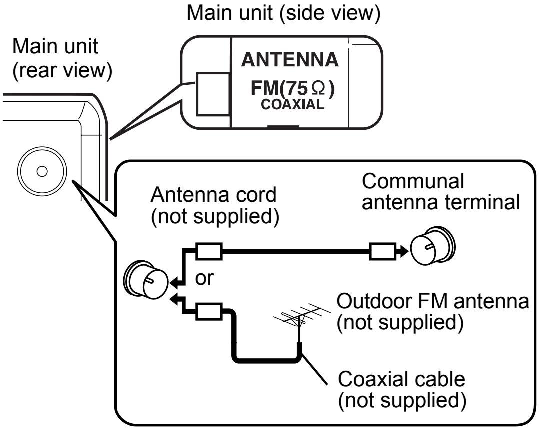
Connecting the FM antenna



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

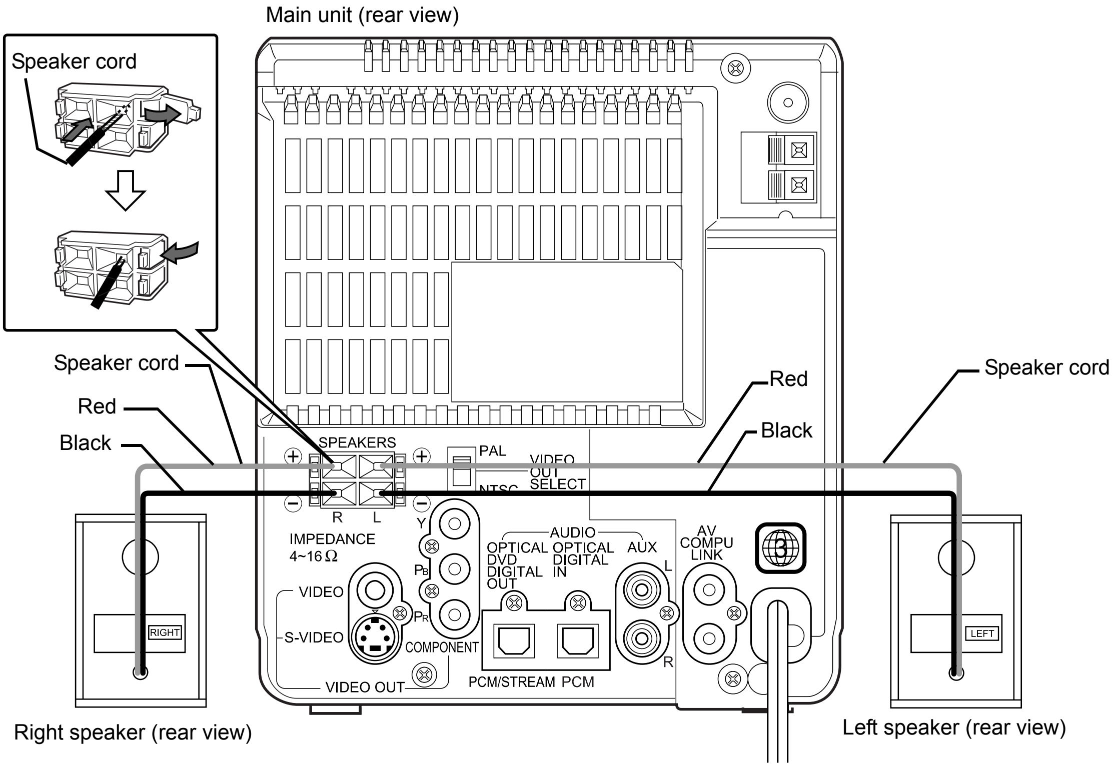


When using an antenna other than those supplied with this product, refer to the operation manuals for the antenna for details of connection.

When positioning the antennas, find the best position for reception while listening to an actual radio program (refer to "Listening to Radio Broadcasts" (☞ page 20)).

Connecting the Speakers

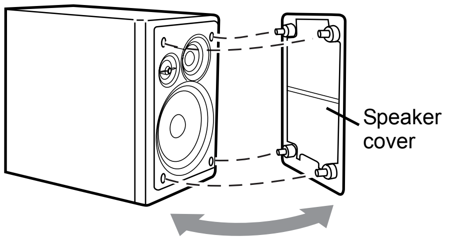
After connecting the speakers, gently pull on the speaker cords to make sure the cords are firmly connected and do not pull out.



CAUTION

- Do not short-circuit the ⊕ and ⊖ 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.
- The speakers of this product are magnetically shielded, but color irregularities may occur on the TV depending on how the speakers are installed. Keep in mind the following.
  1. Turn off the main power of your TV before installing the speakers. Wait for about 30 minutes before turning on the TV again.
  2. If color irregularity occurs in pictures, keep a distance of more than 10 cm between the TV and the speakers.

You can detach the speaker cover.

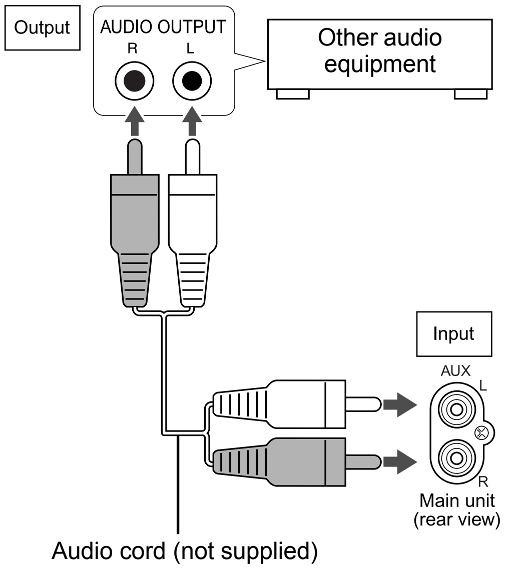


NOTE

- Improper speaker cord connection spoils the stereo effect and sound quality.
- The impedance of speakers connected to this product must be within the range of 4 Ω to 16 Ω.
- 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.

Connecting Other Equipment

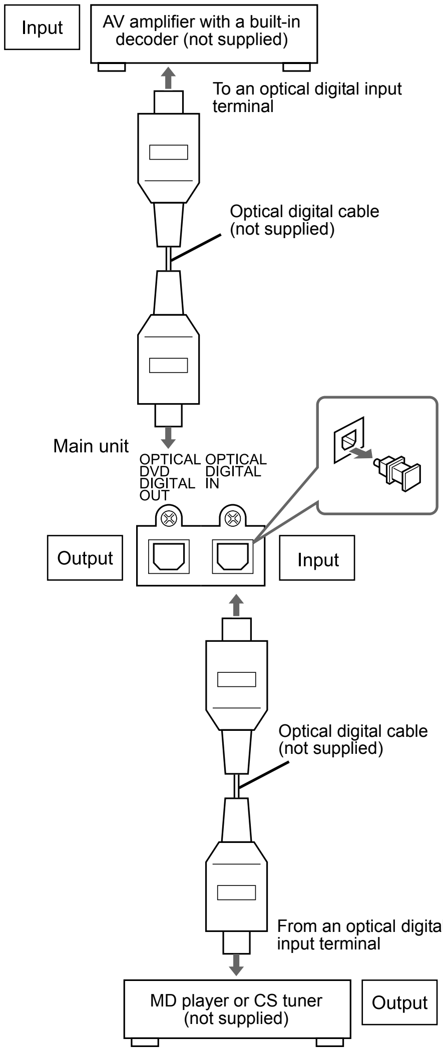
Read this section when connecting other audio equipment to this product.



CAUTION

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

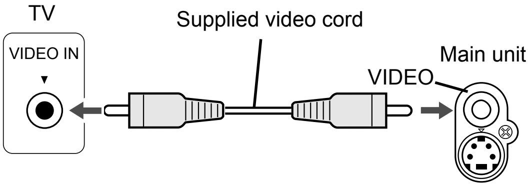
Connecting with digital equipment


Input
AV amplifier with a built-in decoder (not supplied)
To an optical digital input terminal
Optical digital cable (not supplied)
Main unit
OPTICAL DVD DIGITAL OUT
OPTICAL DIGITAL IN
Output
Input
Optical digital cable (not supplied)
From an optical digital input terminal
MD player or CS tuner (not supplied)
Output

CAUTION

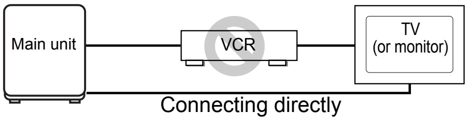
- For details of signals to be output, refer to page 40.
- If connecting the main unit to equipment that has the function of a Dolby Digital decoder, the setting in "D. RANGE COMPRESSION" of "AUDIO" (☞ page 40) will be invalid regarding sound from the digital audio output of the main unit.

Connecting with a TV



CAUTION

- Connect the main unit directly with a TV (or a monitor) without routing through a VCR. Otherwise it may cause picture distortion while playing back. (Such picture distortion is caused by a copy protection system, and thus it is not a malfunction.)



Also, if the main unit is connected to a TV with a built-in VCR, there may be picture distortion during playback.

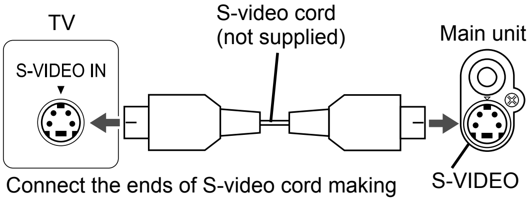
NOTE

- Please check that the setting for VIDEO OUT SELECT (PAL/NTSC) on the rear panel of the main unit and the color system on your TV set are the same. (☞ page 6)
  You need to set "MONITOR TYPE" in the "PICTURE" menu correctly according to the aspect ratio of your TV. (☞ page 39)

When a Clearer Picture Is Desired

You can enjoy pictures of better quality using the following cord instead of the supplied video cord.

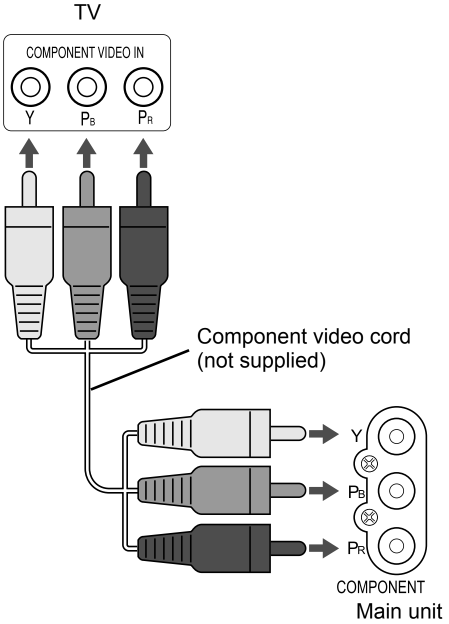
Connecting by using the S-video cord



Connect the ends of S-video cord making sure that each end matches its compatible terminal.

Connecting by using the component video cord

You can enjoy better quality pictures than when using the S-video cord.



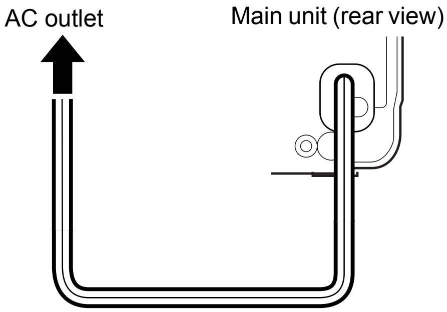
CAUTION

- Use one of either the S-video cord or the component video cord. If both cords are used, pictures may not be played back properly.

NOTE

- In order to enjoy pictures with the progressive mode (☞ page 30), the TV is required to have progressive video input.
- If the component video input jacks of your TV are BNC type, use a plug adapter (not supplied) to convert the plugs.

Connecting the Power Plug



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

NOTE

- The preset setting such as preset channels and sound adjustment may be erased in a few days in the following cases:
  - When you disconnect the power plug.
  - When a power failure occurs.

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 COLOR/DEMO 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

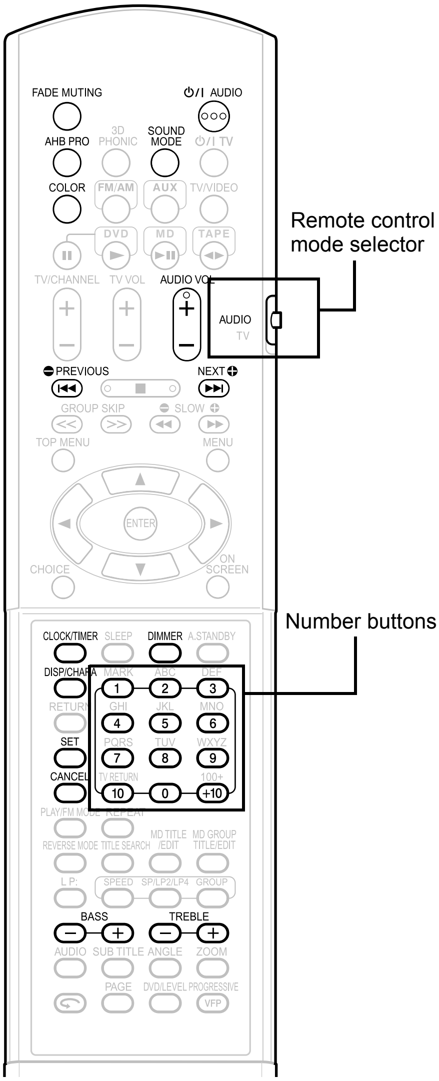
With the power turned off, press COLOR/DEMO on the main unit.

Hiding the demonstration display

With the power turned off, hold down COLOR/DEMO 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 COLOR/DEMO until "DEMO START!" appears.

Basic Operations

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.



CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons. AUDIO TV

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 CLOCK/TIMER.

0:00

2 Set the hour.

PREVIOUS ⏮ Back   NEXT ⏭ Next

- Holding down the button causes the hour to increment.
- You can use the number buttons to specify the hour.
  Refer to "Using the number buttons" shown below.

Using the number buttons

Set the remote control mode selector to AUDIO before using the number buttons. AUDIO TV

Examples: 3: 3
13: +10 → 3
20: +10 → 10
23: +10 → +10 → 3

10:00

3 Press SET.

10:00

- To return to step 2, press CANCEL.

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

10:10

Adjusting the clock

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

Displaying the clock while using the main unit

Press DISP/CHARA 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.

Turning On/Off the Main Unit

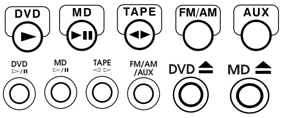
Used frequently

Press ⏻/I AUDIO ○ (or ⏻/I ○ on the main unit).

- With the power off, pressing either button also turns on the main unit. The function assigned to the button starts working at the same time.

Remote control:

Main unit:



NOTE

- Cooling fan is built into the main unit for emitting generated heat. The internal cooling fan automatically rotates and stops.

Adjusting the Volume

Used frequently

Press AUDIO VOL + – .

- You can also adjust the volume by turning the VOLUME control on the main unit.

NOTE

- You can adjust the volume within the range of 0 to 40.

Temporarily Turning Off the Sound (FADE MUTING)

Press FADE MUTING ○ .

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

Emphasizing Heavy Bass Sound (AHB PRO)

Press AHB PRO ○ .

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

Adjusting the Sound Quality

Selecting the sound mode

Press SOUND MODE ○.

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

ROCK	For emphasizing treble and bass sounds.
↓ POP	Adequate for songs and narrations.
↓ CLASSIC	For emphasizing treble sound.
↓ JAZZ	For uplifting a feeling of being at a live performance.
↓ MANUAL	For adjusting treble and bass sounds of your choice (shown below).
↓ FLAT	Cancels the sound mode (initial setting).

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

NOTE

- This function does not affect recording sound.

Adjusting bass/treble sound

1 **Press SOUND MODE ○ repeatedly to display "MANUAL".**

2 **For adjusting bass sound;**

Press BASS ⊖–⊕.

For adjusting treble sound;

Press TREBLE ⊖–⊕.

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

NOTE

- While the sound mode is set to an item other than "MANUAL", "NO OPERATE" is displayed in the display window and you cannot adjust bass/treble sound.

Changing the Color Patterns for the Display Window and Disc Tray

Press COLOR ○ (or COLOR/DEMO ◎ on the main unit).

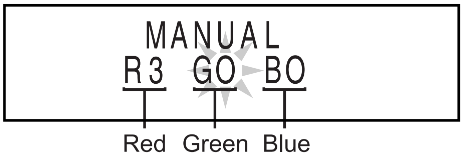
- Each time you press COLOR ○, the display toggles as follows.

RAINBOW	: For a rainbow-like pattern.
⬇	
FLOWER	: For a flower-image pattern.
⬇	
GRADATION	: Gradually changes the color pattern in a cycle of approximately 20 seconds.
⬇	
OCEAN	: For an ocean-image pattern.
⬇	
FANTASY	: For a fantasy pattern.
⬇	
MANUAL R3 G0 B0	: For the color of your choice. (The setting shown on the left is initial setting.)

Setting your favorite color for the display window and disc tray

1 Press COLOR ○ repeatedly to display "MANUAL".

2 Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ to select a component color.



- Numerical value of the selected component color flashes.

3 Press AUDIO VOL + − to adjust the intensity of the component color.

- You can also adjust the color intensity by turning the VOLUME control on the main unit.
- You can adjust the color intensity within the range of "0" to "3".
  You cannot set all three component colors (red, green, and blue) to "0" at the same time.

NOTE

- 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 disc tray.
- When you operate a button on the main unit or remote control, the display window and disc tray light in pale blue for approximately 2 seconds.
- When recording finishes, the color of the display window and disc tray switches to the color set in "MANUAL" to inform you that recording has finished. (With an item other than "MANUAL" selected)
  When you operate the main unit after recording finishes, the color pattern for the display window and disc tray returns to the selected pattern.

Changing the brightness of the display window and disc tray (DIMMER)

Press DIMMER ⬭.

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

DIMMER 1	: Color pattern becomes dimmer.
⬇	
DIMMER 2	: Color pattern becomes darker, and switches to blue.
⬇	
DIMMER AUTO	: DIMMER 2 is automatically selected during video playback, and is canceled when the playback stops.
⬇	
DIMMER OFF	: Cancels the brightness adjustment (initial setting).

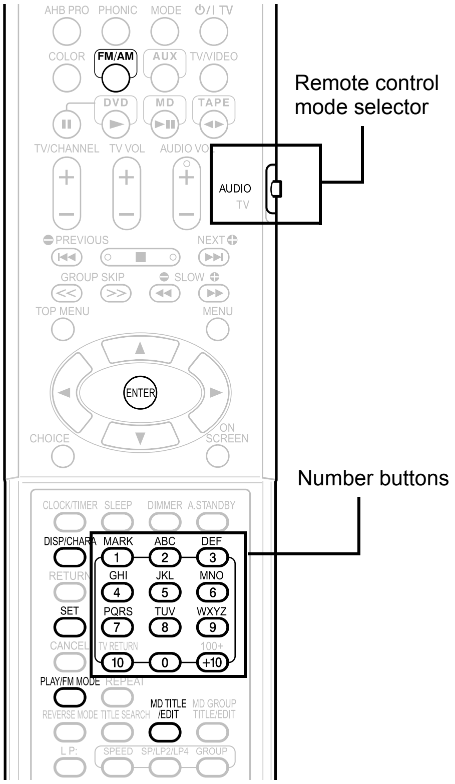
NOTE

- Once you press COLOR ○ to change the color pattern, the brightness returns to the initial setting. (except for DIMMER AUTO)
- When you turn off the main unit, the brightness also returns to the initial setting.
- You cannot turn off the color pattern.

Listening to Radio Broadcasts

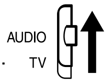
Used frequently

This product can receive FM and AM radio broadcasts.



CAUTION

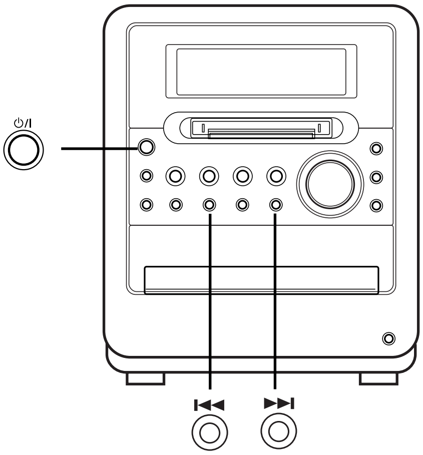
- Set the remote control mode selector to AUDIO before using the number buttons.



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:



■When the main unit is turned off

To select 10 kHz spacing, while holding down ⏭ on the main unit, press ⏻/I on the main unit to turn on the power. "AM 10 kHz" appears in the display window.

To select 9 kHz spacing, while holding down ⏮ on the main unit, press ⏻/I on the main unit to turn on the power. "AM 9 kHz" appears in the display window.

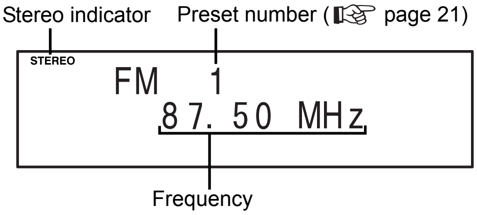
NOTE

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

Selecting a Radio Station

1 Press FM/AM repeatedly to select "FM" or "AM".

Example: Display while an FM radio broadcast is received



2 Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ repeatedly to select a radio station (frequency).

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

Automatic tuning:

Hold down ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ 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 ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ .

- 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 PLAY/FM MODE to switch the sound to monaural reception. In this case, "MONO" lights up. To return the sound to stereo reception, press PLAY/FM MODE again or select another FM radio station.
- This product is not compatible with AM stereo broadcasts.

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 Set the remote control mode selector to AUDIO.

2 Press SET.

- The preset number flashes for approximately 5 seconds.

3 While the preset number is flashing, press the number buttons (MARK 1 - TV RETURN 10 or 100+ +10) to select the preset number you want to use.

- Refer to "Using the number buttons" (☞page 17).

4 While the selected number is flashing, press SET.

- "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

1 Set the remote control mode selector to AUDIO.

2 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 17).

Entering radio station names

You can enter the name of a stored radio station using up to 8 characters.

1 Set the remote control mode selector to AUDIO.

2 Press MD TITLE /EDIT.

3 Entering a radio station name with DISP/CHARA or the number buttons (MARK 1 - WXYZ 9).

- To enter radio station names, refer to "Entering Titles" (☞ page 59).

4 Press ENTER.

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

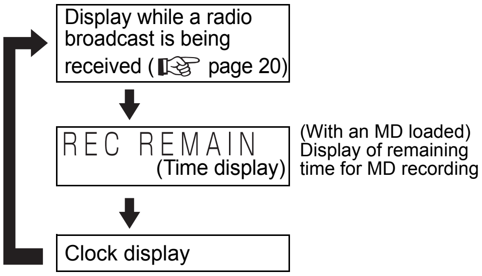
NOTE

- 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 ⊖PREVIOUS ⏮ or NEXT⊕ ⏭.
- If you change the AM tuner spacing (☞ page 20), radio station names remain unchanged. Enter radio station names again, if necessary.

Changing the Display in the Display Window

Press DISP/CHARA.

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


Display while a radio broadcast is being received (☞ page 20)
REC REMAIN
(Time display)
(With an MD loaded) Display of remaining time for MD recording
Clock display

Basic Operations of the DVD Player

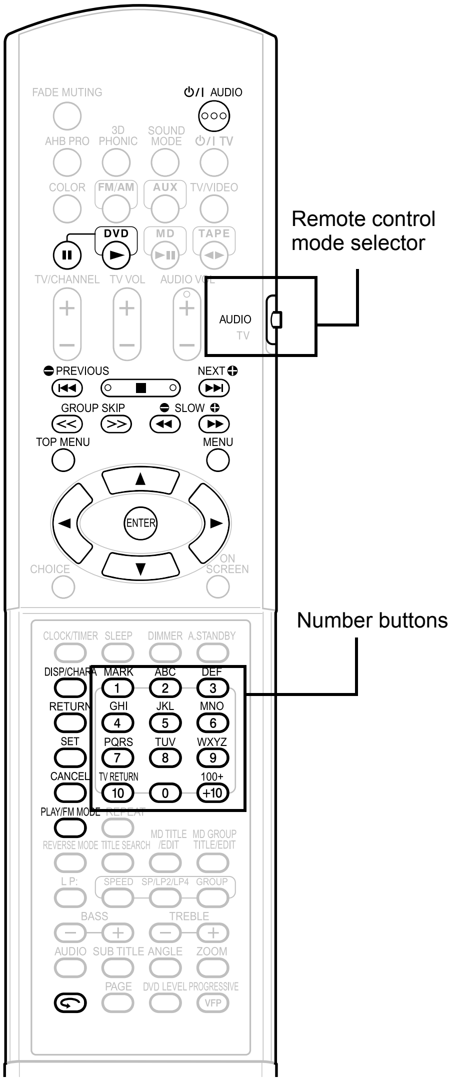
How to read this manual

- Operations are described by mainly using the remote control buttons. If there are the same marks on the main unit, the buttons on the main unit can also be used.
- The following marks tell you for which type of the discs the operation can be made.

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD** **MP3 WMA**

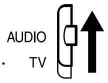
JPEG

- The illustrations and TV screens may be different between the actual case and the description.
- "VCD" stands for "Video CD".
- "SVCD" stands for "Super Video CD".



NOTE

- Set the remote control mode selector to AUDIO before using the number buttons.



Playback

Used frequently

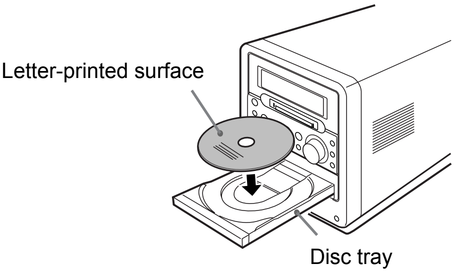
DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD**

(Refer to page 37 for playing back MP3/WMA and JPEG.)

1 Press DVD ⏏ on the main unit.

- The disc tray comes out.

2 Place a disc on the disc tray.



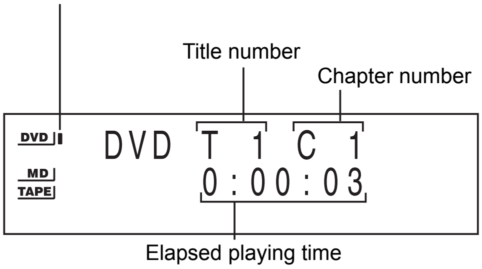
- When you want to listen to an 8 cm disc, place it on the inner hollow of the disc tray.

3 Press DVD ►.

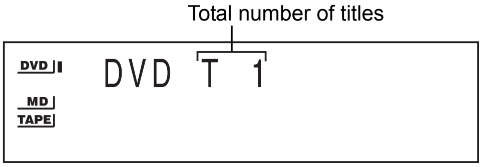
■Display for DVD VIDEO

Display while a DVD VIDEO is being played back:

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



Display while the DVD VIDEO is stopped:

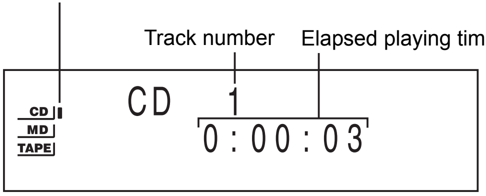


(Continued on next page)

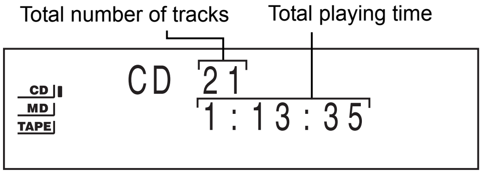
■Display for CD

Display while a CD is being played back:

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.)



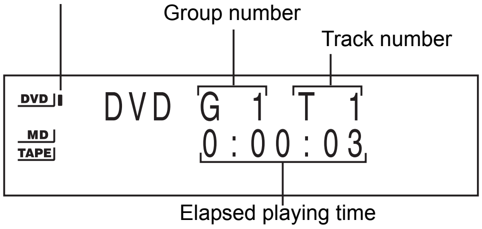
Display while the CD is stopped:



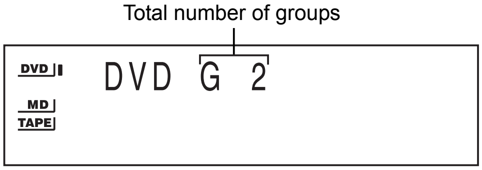
■Display for DVD AUDIO

Display while a DVD AUDIO is being played back:

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



Display while the DVD AUDIO is stopped:

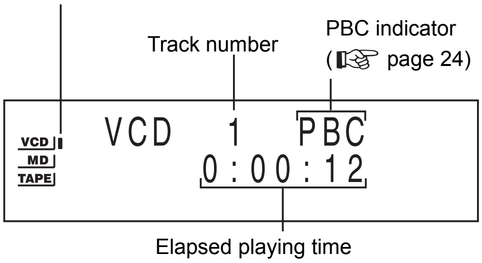


- "G1" and "T1" will appear after the total number of groups is displayed.

■Display for VCD/SVCD

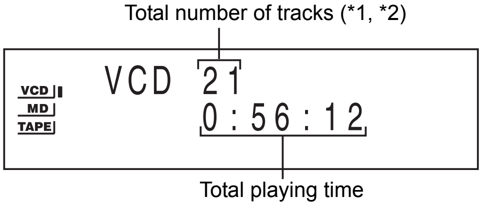
Display while a VCD/SVCD is being played back:

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



- PBC indicator is displayed while PBC is activated.

Display while the VCD/SVCD is stopped:



*1 "1" will appear after the total number of tracks is displayed.
*2 "PBC" will appear when the disc is PBC-compatible.

NOTE

- The menu may appear in the display window after DVD playback starts. In such a case, select the desired menu item by using the following buttons on the remote control.
  - Select a menu item with ▲, ▼ or ◄ ►, and then press ENTER.
  - Select a menu item with the number buttons.
- Operation may differ from the explanation given here, depending on the disc type.

Messages displayed on the TV screen

While a DVD is selected as the sound source, the messages shown below are displayed, depending on the status.

NOW READING
The main unit is reading the disc. Wait for a while.

REGION CODE ERROR!
The disc cannot be played back because its region code is not compatible. (☞ page 4)

NO DISC
No disc is loaded.

OPEN
The disc tray is opening.

CLOSE
The disc tray is closing.

CANNOT PLAY
You are trying to play back an unplayable disc.

Guide icons temporarily displayed on the TV screen (on-screen guide)

▶ : Play (☞ page 22)

❚❚ : Pause (☞ page 25)

◀◀ ▶▶ : Fast reverse/Fast forward search (☞ page 25)

◀❚ ❚▶ : Slow motion playback (reverse/ forward directions)(☞ page 26)

🎥 : Containing multi-angle views (☞ page 28)

🔊 : Containing multi-audio (☞ page 27)

💬 : Containing multi-subtitle (☞ page 28)

⊘ : The disc cannot accept the operation you have attempted.

PBC (Playback control)

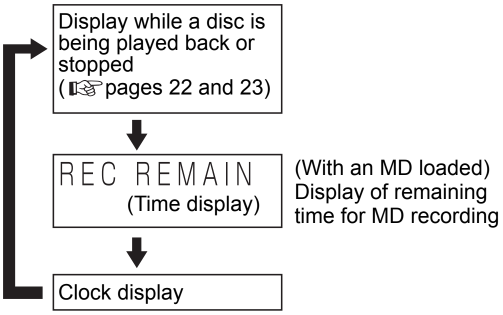
- PBC is a signal recorded in a VCD (version 2.0) for controlling VCD playback. You can operate software that has interactive or search functions using the menu display recorded in a PBC-compatible VCD. To play back a VCD without PBC, follow the operation below.
  - Select the desired track number with the number buttons while playback is stopped.
  - While playback is stopped, press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ to select the desired track number, and then press DVD ▶.
- While a VCD or SVCD is being played back, press RETURN to return to the higher menu group.

Changing the Display in the Display Window

Press DISP/CHARA.

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

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


Display while a disc is being played back or stopped (☞pages 22 and 23)
REC REMAIN
(Time display)
(With an MD loaded) Display of remaining time for MD recording
Clock display

Playing Back from a Position 10 Seconds Before (One Touch Replay)

DVD VIDEO

■While a disc is being played back

Press ⟲.

NOTE

- This operation may not be carried out for some discs.
- You cannot return to the previous title.

Stopping Playback

Used frequently

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **C D** **MP3 WMA** **JPEG**

■While a disc is being played back

Press ■.

Resuming Playback (RESUME)

DVD VIDEO **DVD AUDIO** **VCD** **SVCD**

When playback is stopped in the middle, playback can be started from the stopped scene.

How to suspend playback

■While a disc is being played back

Perform any of the following operations during playback.

Press ■ once.*
Press ⏻/I AUDIO to turn off the power.
Change the source to FM/AM or AUX.*

* Even if the power is turned off by pressing ⏻/I AUDIO after this, the position where playback has been stopped will be stored.

⬇

How to start playback from the stored position

Press DVD ▶.

NOTE

- This function does not work in program playback or random playback.
- The position where playback starts again may be a little different from the stopped position.
- When a disc menu is displayed, the resume function may not work.
- The audio, the subtitle and the angle at that time are stored as well as the stopped position.
- The stored position will be cleared if the disc tray is opened. Further, if ■ is pressed during playback, "RESUME" appears. If ■ is pressed at this time, "RESUME" will disappear and the stored information will be cleared.
- **Resume function is set to on as the initial preset. You can set the function to off (☞ page 40).**

Pausing Playback

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **C D** **MP3 WMA** **JPEG**

■While a disc is being played back

Press ⏸.

To resume normal playback, press DVD ▶.

- Playback cannot be paused by pressing DVD ▷/II ◎ on the main unit during JPEG disc slide-show.

Advancing Picture Frame by Frame

DVD VIDEO **SVCD** **VCD** **DVD AUDIO**
(only for moving image)

■While a disc is paused

Press ⏸.

- Each time you press ⏸, picture will be advanced frame by frame.
- You cannot operate this function with DVD ▷/II ◎ on the main unit.

Fast Reverse/Fast Forward Search

Used frequently

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **C D**

There are two methods.

■While a disc is being played back

Press ⊖⏪ or ⊕⏩.

- Each time you press ⊖⏪ or ⊕⏩, the speed increases as shown below.

×2 ➡ ×5 ➡ ×10 ➡ ×20 ➡ ×60

- To restore the normal speed, press DVD ▶.

Hold down ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ .

- Fast reverse/fast forward search can be carried out only while the button is pressed.

NOTE

- For a DVD VIDEO, SVCD or VCD, no sound comes out during fast reverse/fast forward search.
- For a CD or DVD AUDIO, sound is intermittent during fast reverse/fast forward search.

Slow Motion Playback

DVD VIDEO **VCD** **SVCD** **DVD AUDIO** (only for moving image)

■While a disc is paused

Press ⊖SLOW ◀◀ or SLOW⊕ ▶▶.

- Each time you press ⊖SLOW ◀◀, the speed increases as shown below.

  1/32 ➡ 1/16 ➡ 1/8 ➡ 1/4 ➡ 1/2

- Press ❚❚ to pause playback, and press DVD ▶ to resume normal playback.

NOTE

- No sound will be produced.
- The picture motion in the reverse direction may not be smooth.
- For a VCD or SVCD, slow motion playback can be carried out in the forward direction only.

Skipping to the Beginning of a Track

Used frequently

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD** **MP3 WMA** **JPEG**

■While a disc is being played back*

Press ⊖PREVIOUS ◀◀ or NEXT⊕ ▶▶ .

- Each time you press ⊖PREVIOUS ◀◀, the current chapter/track/file skips to the beginning of the previous chapter/track/file.
- Each time you press NEXT⊕ ▶▶, the current chapter/track/file skips to the beginning of the next chapter/track/file.
- Press GROUP SKIP << or GROUP SKIP >> to select a title or group.

NOTE

* For a VCD or SVCD, this operation can be carried out only during playback without the PBC function.
- Except for a DVD VIDEO, this operation can also be carried out while the disc is stopped.
- This operation may not be carried out for some discs.

Skipping to the Beginning of a Track with the Number Buttons

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD** **MP3 WMA** **JPEG**

■While a disc is being played back

1 Set the remote control mode selector to AUDIO.

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

- Refer to "Using the number buttons" (☞ page 17).

NOTE

- You can operate a VCD or SVCD while the disc is stopped or played back with PBC off.
- You can operate a DVD AUDIO, CD, MP3, WMA, or JPEG while the disc is either played back or stopped.
- This operation may not be carried out for some discs.

Selecting a Track from the Menu Screen

DVD VIDEO **DVD AUDIO** **VCD** **SVCD**

■While a disc is stopped or being played back*

1 Set the remote control mode selector to AUDIO.

2 Press MENU ○ or TOP MENU ○ .

- A menu screen of the disc appears.
- Only TOP MENU ○ can be used for DVD AUDIOs.

3 Press ▲ ▼ ◀ ▶ (only for a DVD VIDEO or a DVD AUDIO) or the number buttons to select a track you want to listen to.

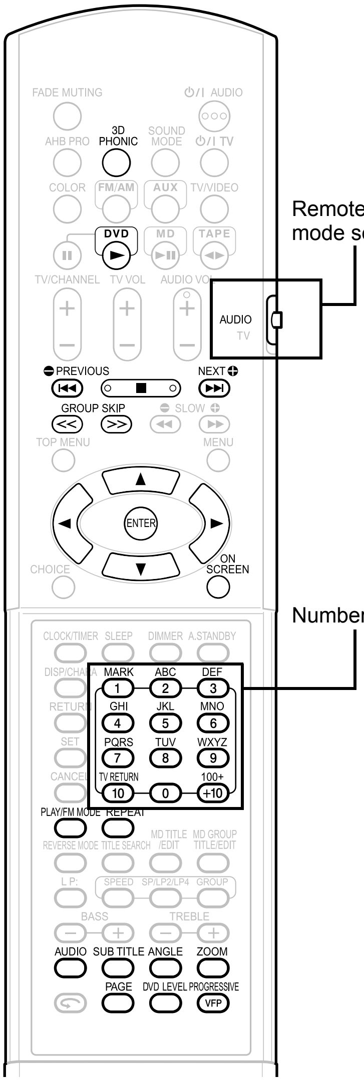
- Refer to "Using the number buttons" (☞ page 17).
- If there are two or more pages of menu screen, press ⊖PREVIOUS ◀◀ or NEXT⊕ ▶▶ to change the pages (only for a VCD or SVCD).

4 Press ENTER.

NOTE

* You can operate a VCD or SVCD while PBC is set to off.
- You cannot perform this function with discs to which a menu screen is not recorded.
- Some disc may start playback even if you do not press ENTER.

Convenient Functions of the DVD Player



Selecting the Audio

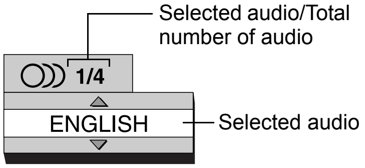
Used frequently

DVD VIDEO **DVD AUDIO** **VCD** **SVCD**

■While a disc containing two or more audio is being played back

1 Press AUDIO.

Example: TV screen



- Each time you press AUDIO, the audio will be changed. The audio can also be changed by pressing ▲ ▼.

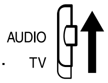
2 Wait for a few seconds or press ENTER.

NOTE

- You can also operate this function by using the menu bar (☞ page 35).
- For a language code such as "AA", refer to "Language Codes" (☞ page 42).
- When 2 channel sounds are recorded in 1/2 and multi channel sounds with down-mix prohibited are recorded in 2/2 in a DVD AUDIO, you can select 1/2 only.

NOTE

- Set the remote control mode selector to AUDIO before using the number buttons.



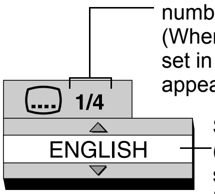
Selecting the Subtitle

DVD VIDEO SVCD DVD AUDIO
(only for moving image)

■While a disc containing two or more subtitles is being played back

1 Press SUB TITLE ⬭.

Example: TV screen



Selected subtitle/Total number of subtitles (When no subtitle is set in the disc, "--" appears.)

Selected subtitle (When no subtitle is set in the disc, "OFF" appears.)

2 Press ▲ ▼ to select a subtitle.

3 Wait for a few seconds or press ENTER.

NOTE

- You can also operate this function by using the menu bar (☞ page 35).
- For an SVCD, each time you press SUB TITLE ⬭ in step 1, the subtitle type and ON/OFF will be changed.
- For a language code such as "AA", refer to "Language Codes" (☞ page 42).
- The manner of displaying subtitles may be different depending on the disc.

Canceling the subtitle

Press SUB TITLE ⬭ to select "OFF".

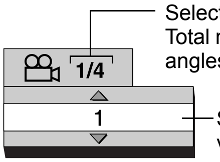
Selecting a View Angle

DVD VIDEO DVD AUDIO
(only for moving image)

■While a disc containing two or more view angles is being played back

1 Press ANGLE ⬭.

Example: TV screen



Selected view angle/ Total number of view angles

Selected view angle

- Each time you press ANGLE ⬭, the angle will be changed. The angle can also be changed by pressing ▲ ▼.

2 Wait for a few seconds or press ENTER.

NOTE

- You can also operate this function by using the menu bar (☞ page 35).

Magnifying the Picture (ZOOM)

DVD VIDEO VCD SVCD DVD AUDIO JPEG
(only for moving image)

■While a disc is played back or paused

1 Press ZOOM ⬭.

- Each time you press ZOOM ⬭, the picture magnification will be changed (OFF, ZOOM1 - 6).
- When a JPEG disc is used, the picture magnification changes through "ZOOM 1", "ZOOM 2" to "OFF". You cannot change the picture magnification during slide-show playback.

2 Select the portion you want to see by pressing ▲ ▼ ◄ ►.

CAUTION

- When you magnify a picture, image quality may be deteriorated or image may be distorted.

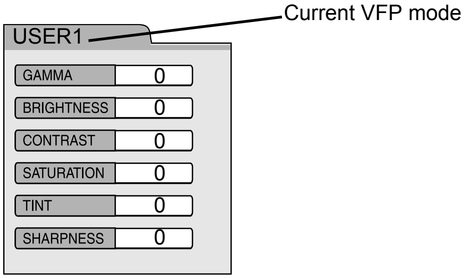
Adjusting the Picture Quality (VFP)

DVD VIDEO DVD AUDIO VCD SVCD JPEG

■While a disc is played back or paused

1 Press VFP.

Example: TV screen



USER1

GAMMA	0
BRIGHTNESS	0
CONTRAST	0
SATURATION	0
TINT	0
SHARPNESS	0

Setting items

GAMMA	: Controls the brightness of neutral tints while maintaining the brightness of dark and light portions. (Setting range: **–3 - +3**)
BRIGHTNESS	: Controls the brightness of the display. (Setting range: **–8 - +8**)
CONTRAST	: Controls the contrast of the display. (Setting range: **–7 - +7**)
SATURATION	: Controls the saturation of the display. (Setting range: **–7 - +7**)
TINT	: Controls the tint of the display. (Setting range: **–7 - +7**)
SHARPNESS	: Controls the sharpness of the display. (Setting range: **–8 - +8**)

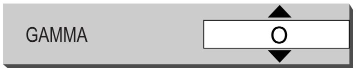
2 Press ◄ ► to select VFP mode.

NORMAL	: For normal playback. (You cannot adjust the image quality.) → Go to step 7.
CINEMA	: Suitable when viewing a movie in a dim room. (You cannot adjust the image quality.) → Go to step 7.
USER1/USER2	: You can adjust the image quality. → Go to step 3.

3 Press ▲ ▼ to select an item you want to adjust.

4 Press ENTER.

Example:



GAMMA 0

5 Press ▲ ▼ to change the value.

6 Press ENTER.

- To adjust other items, go back to step **3**.

7 Press VFP.

NOTE

- If no operation is made for several seconds during the procedure, the settings made so far will be automatically stored.
- "VFP" stands for "video fine processor".

Creating Realistic Sound (3D PHONIC)

DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA

The two speakers produce an effect resembling surround-sound.

■While a disc is being played back

Press 3D PHONIC ○.

Example: TV screen

3D PHONIC ACTION

- Each time you press 3D PHONIC ○, the display toggles as follows.

ACTION	: Suitable for action movies, sport programs or other lively programs.
↓	
DRAMA	: You can relax with a natural atmosphere.
↓	
THEATER	: You can enjoy the sound effect as if you were watching the movie in a theater.
↓	
OFF	: Cancels 3D phonic (initial setting).

- While 3D phonic is activated, 3D PHONIC is displayed in the display window.

NOTE

- 3D phonic is effective for both the speakers and headphones.
- When noise is produced or sound is distorted, set "3D PHONIC" to "OFF".
- You cannot operate some types of DVD AUDIO discs.

Adjusting Playback Level (DVD LEVEL)

DVD VIDEO **DVD AUDIO**

The audio of a DVD VIDEO and DVD AUDIO may be recorded at a lower level (volume) than for other types of disc. You can adjust the DVD level.

■While a disc is being played back

Press DVD LEVEL ⬭.

- Each time you press DVD LEVEL ⬭, the display toggles as follows in the display window.

NORMAL : Sound level recorded in the DVD.

⬇

MIDDLE : Enhances the sound level (initial setting).

⬇

HIGH : Enhances the sound level to the highest level.

- Select the level while listening to the sound played back.

NOTE

- DVD level is effective only for playback of a DVD.
- Even if the DVD level is changed, the output level from the digital audio output terminal will not be changed.
- This function does not affect recording sound.

Enjoying Better Pictures (PROGRESSIVE)

In the progressive mode, you can enjoy better pictures.

CAUTION

- In order to enjoy pictures in the progressive mode, the following requirements should be met.
  - There must be component video input terminals on the TV set connected to the main unit.
  - The main unit and the TV set must be connected using a component video cord (☞ page 15).

  When the above requirements are not satisfied, leave the main unit in the Interlace mode. If the progressive mode is set, pictures may be distorted.

■While the disc is played back or paused

Hold down PROGRESSIVE (VFP).

- Each time you press PROGRESSIVE (VFP), the display toggles as follows.

Interlace mode (initial setting)

INTERLACE

⬍

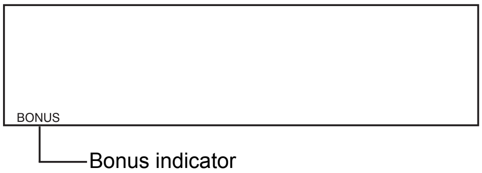
Progressive mode

PROGRESSIVE

Playing Back the Bonus Group

DVD AUDIO

There are some DVD AUDIO discs with a special group, called "bonus group", recorded.



- This operation can be carried out when "BONUS" is lit in the display window on the main unit.

■While a disc is being played back

1 Set the remote control mode selector to AUDIO.

2 Press GROUP SKIP ⏩ repeatedly during playback to select a bonus group.

- "KEY_ _ _ _" appears on the TV screen and in the display window on the main unit.

3 Press the number buttons to enter a pin code (4 digits).

- The method of getting a pin code is different depending on the disc.

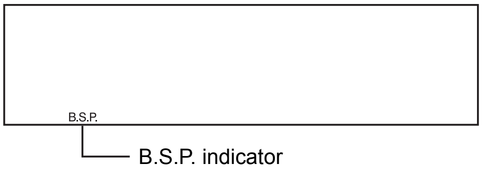
4 Press ENTER.

- When a correct pin code is entered, "BONUS" disappears and the playback of the bonus group starts.
- If an incorrect pin code is entered, try entering a correct pin code again.

Browsable Still Pictures (B.S.P.)

DVD AUDIO

There are some DVD AUDIO discs with still pictures recorded. Among the still pictures, there are pictures called B.S.P. (browsable still pictures). You can change these pictures as if turning over pages.



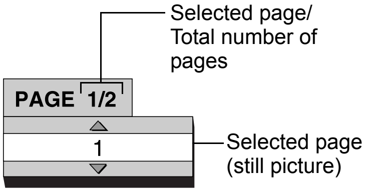
- This operation can be carried out when "B.S.P." is lit in the display window on the main unit.

■While a disc is being played back

1 Press PAGE ⬭.

- Each time you press PAGE ⬭, the still picture will be switched over.
- You can also change the pictures by pressing ▲ ▼.

Example: TV screen


Selected page/ Total number of pages
PAGE 1/2
1
Selected page (still picture)

2 Wait for a few seconds or press ENTER.

NOTE

- You can operate this function on the menu bar (☞ page 35).

Playing Back the Disc in the Desired Order (Program Playback)

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD** **MP3 WMA**

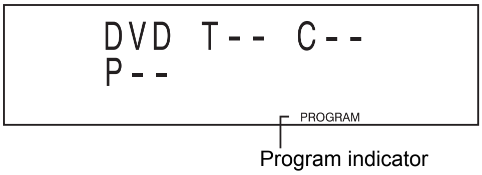
You can program a maximum of 99 chapters or tracks. You can program the same chapter or track more than once.

■While a disc is stopped

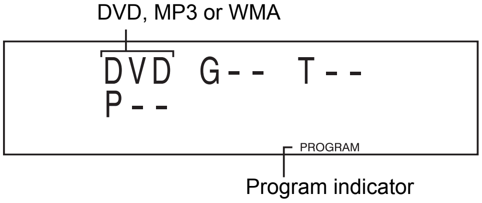
1 Set the remote control mode selector to AUDIO.

2 Press PLAY/FM MODE to select "PROGRAM".

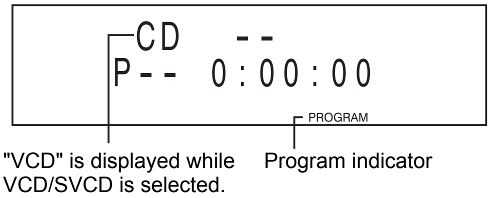
■Display for DVD VIDEO



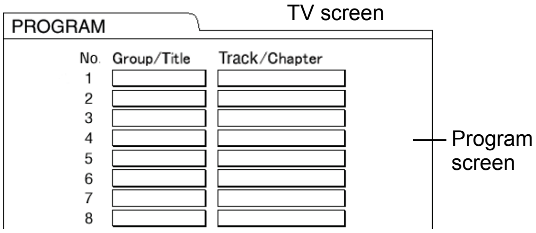
■Display for DVD AUDIO/MP3/WMA



■Display for CD/VCD/SVCD



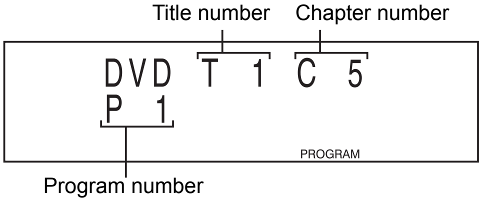
Example: For DVD VIDEO



3 Press the number buttons (1 - 10 or +10) to program chapters/ tracks.

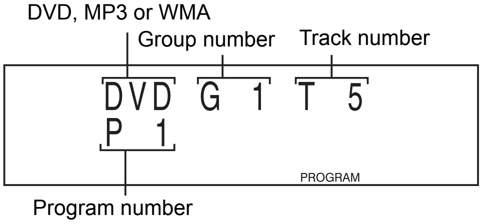
■Display for DVD VIDEO

- Select a title number, and then select a chapter number.



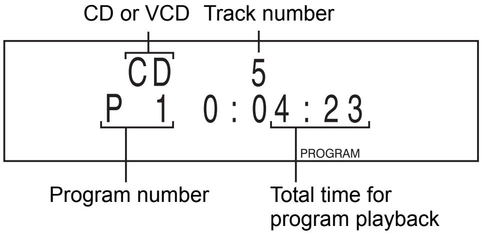
■Display for DVD AUDIO/MP3/WMA

- Select a group number, and then select a track number.



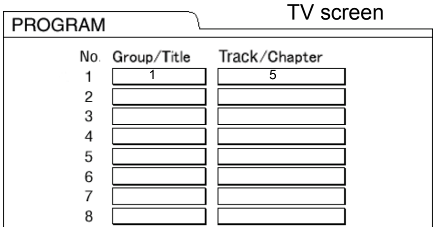
■Display for CD/VCD/SVCD

- Select a track number.



(Continued on next page)

Example: For DVD VIDEO


TV screen

PROGRAM

No.	Group/Title	Track/Chapter
1	1	5
2		
3		
4		
5		
6		
7		
8		

- Refer to "Using the number buttons" (☞ page 17).
- Before selecting a bonus group of a DVD AUDIO, cancel the "BONUS" display as explained in "Playing back the Bonus Group" on page 31.
- When you try to enter more than 99 chapters or tracks, "MEMORY FULL" appears.

4 Press DVD ▶.

NOTE

- You can set tracks from either a disc or MD in a program playback setting.

Confirming programmed content

While playback is stopped, press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ repeatedly.

- During this operation, you can add a track as the last in the program, or erase the last track. (☞ step 3)

Canceling program playback

While playback is stopped, press PLAY/FM MODE repeatedly to display an item other than "PROGRAM".

- This operation does not erase the programmed content.

Erasing the whole program

While playback is stopped, hold down CANCEL.

NOTE

- Ejecting the disc or turning off the main unit also erases the programmed content. This operation also cancels program playback.

Random Playback

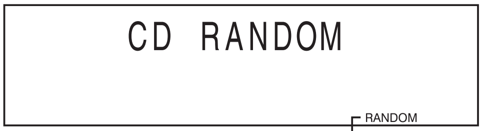
DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA

You can listen to tracks or chapters in random order.

■ While playback is stopped

1 Press PLAY/FM MODE repeatedly to select "RANDOM".

Example: For CD



Random indicator

- "RANDOM" appears in the TV screen.

2 Press DVD ▶.

NOTE

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

Canceling random playback

While playback is stopped, press PLAY/FM MODE repeatedly to display an item other than "RANDOM".

NOTE

- Ejecting the disc or turning off the main unit also cancels random playback.

Repeat Playback

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD**

Refer to page 38 for repeat playback of MP3/WMA and JPEG files.

■While a disc is being played back

Press REPEAT ⬭.

- Each time you press REPEAT ⬭, the repeat type will be changed.

For DVD VIDEO

Repeat types	Display on the TV screen	Display in the display window on the main unit
Repeats the current chapter	⟲ CHAP*	REPEAT CHAPTER*⟲
Repeats the current title	⟲ TITLE	REPEAT TITLE ⟲ALL
Cancels repeat	⟲ OFF	REPEAT OFF

For DVD AUDIO

Repeat types	Display on the TV screen	Display in the display window on the main unit
Repeats the current track	⟲ TRACK*	REPEAT TRACK* ⟲
Repeats the current group	⟲ GROUP	REPEAT GROUP ⟲GROUP
Cancels repeat	⟲ OFF	REPEAT OFF

For CD/VCD/SVCD

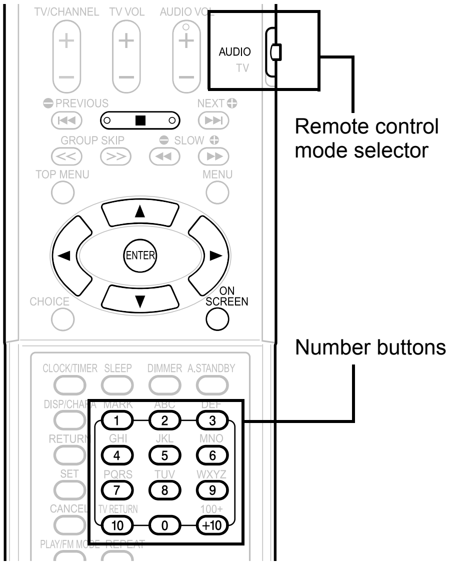
Repeat types	Display on the TV screen	Display in the display window on the main unit
Repeats the current track	⟲ TRACK*	REPEAT TRACK* ⟲
Repeats all tracks	⟲ ALL	REPEAT ALL ⟲ALL
Cancels repeat	⟲ OFF	REPEAT OFF

* "STEP" is displayed during program playback or random playback.

NOTE

- For a VCD and SVCD, the operation can be carried out during playback without the PBC function (☞ page 24).
- You can also operate this function on the menu bar (☞ page 35).
- For details on A-B repeat (repeat playback of a designated part), refer to page 36.

Status Bar and Menu Bar



DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD**

You can display the status bar and menu bar on the TV screen, and can control discs with the bars.

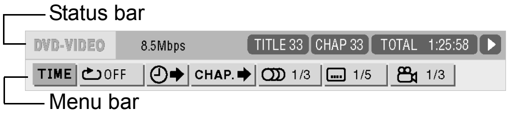
CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.

Using the Status Bar and Menu Bar

■While a disc is being played back

1 Press ON SCREEN ○ twice.



- The above is an example for a DVD VIDEO.

2 Press ◄ ► to select an item you want to operate.

3 Press ENTER.

- You can set the selected function. For the setting items, refer to the following "Function list".
- The currently active function shows blue.
- To cancel the menu bar, press ON SCREEN ○.

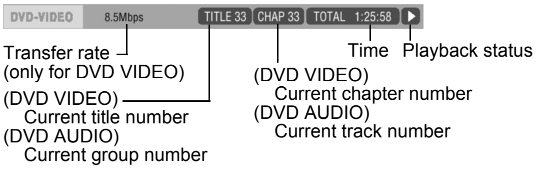
Function list

Press ▲ / ▼ to select, and press ENTER to determine unless otherwise noted.

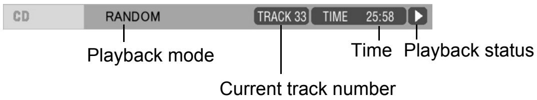
TIME Time display selection	Changes time information displayed in the display window on the main unit and the status bar. Each time ENTER is pressed, the display will be changed. **DVD VIDEO/DVD AUDIO** TOTAL : Elapsed playing time of current title/group T.REM : Remaining time of current title/group TIME : Elapsed playing time of current chapter/track REM : Remaining time of current chapter/track **CD/VCD/SVCD** TIME : Elapsed playing time of current track REM : Remaining time of current track TOTAL : Elapsed playing time of disc T.REM : Remaining time of disc
↻ Repeat mode	☞ page 34
⏲➡ Time search	☞ page 36
CHAP.➡ / TRACK➡ Chapter search/ Track search	**DVD VIDEO/DVD AUDIO** Selects a chapter/track. Press the number buttons to enter the chapter/ track number and press ENTER. Examples: 5: ⑤ 24: ② → ④
Audio	**DVD VIDEO/DVD AUDIO/VCD/SVCD** ☞ page 27
Subtitle	**DVD VIDEO/DVD AUDIO/SVCD** ☞ page 28
1/3 View angle	**DVD VIDEO/DVD AUDIO** ☞ page 28
PAGE -/- Page switch	**DVD AUDIO** Switches the still pictures (B.S.P.) recorded on a DVD AUDIO disc. ☞ page 31

Information displayed on the status bar

DVD VIDEO/DVD AUDIO (the example below is for a DVD VIDEO)


DVD-VIDEO
8.5Mbps
TITLE 33
CHAP 33
TOTAL 1:25:58
Transfer rate (only for DVD VIDEO)
(DVD VIDEO) Current title number
(DVD AUDIO) Current group number
Time
Playback status
(DVD VIDEO) Current chapter number
(DVD AUDIO) Current track number

VCD/SVCD/CD (the example below is for a CD)



NOTE

- The playback status mark has the same meaning of the mark on the on-screen guide (☞ page 24).

Playing Back the Designated Part Repeatedly (A-B Repeat Playback)

DVD VIDEO | DVD AUDIO | VCD | SVCD | CD

■While a disc is being played back

1 Press ON SCREEN ○ twice.

- The menu bar (☞ page 35) appears.

2 Press ◄ ► to select ↻ OFF.

3 Press ENTER.

4 Press ▲ ▼ to select A–B.

5 Press ENTER at the starting point of the part to be repeated (designating A point).

- The icon on the menu bar will be ↻ A-.

6 Press ENTER at the end of the part to be repeated (designating B point).

- The icon on the menu bar will be ↻ A-B.
  "↻ A-B" appears in the display window on the main unit and the part between A and B points is played back repeatedly.

Canceling A-B repeat playback

- To cancel A-B repeat playback:
  - Press ■ .
  - Select ↻ A-B and press ENTER twice. (Select ↻ OFF .)

NOTE

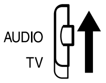
- You can operate a VCD and SVCD while the disc is played back with PBC off.
- A-B repeat playback is possible only within the same title or track. A-B repeat playback cannot be carried out during PBC playback, program playback, random playback and repeat playback.

Designate the Time (Time Search)

DVD VIDEO | DVD AUDIO | VCD | SVCD | CD

■While a disc is being played back

1 Set the remote control mode selector to AUDIO.



2 Press ON SCREEN ○ twice.

- The menu bar appears (☞ page 35).

3 Press ◄ ► to select ◷➜.

4 Press ENTER.

5 Enter the time using the number buttons (1-9, 0).

Example: When you want to play back a disc from the position of (0 hour) 23 minutes 45 seconds, press the buttons in the order:

0 → 2 → 3 → 4 → 5

- You can skip entering "minutes" and "seconds".
- If you enter wrong numbers, press ◄ to delete the numbers, and then enter the numbers again.

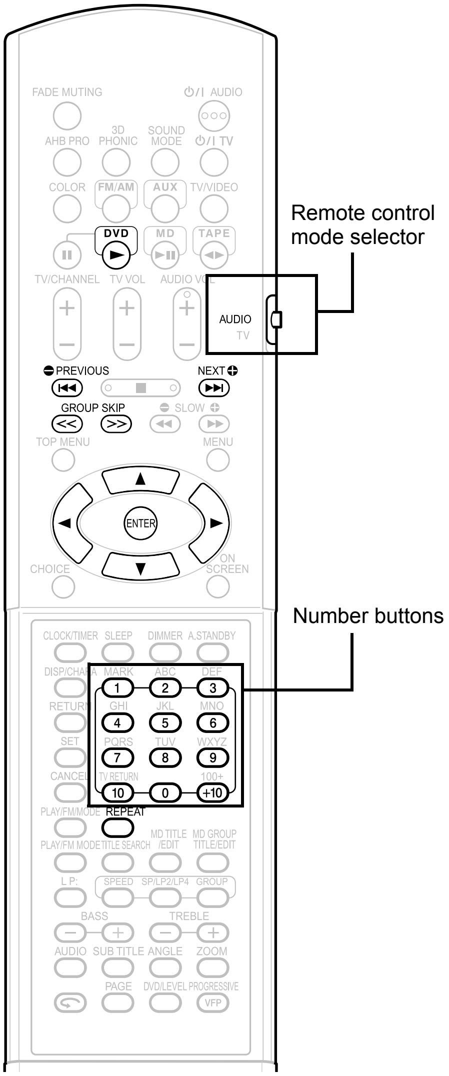
6 Press ENTER.

- To delete the menu bar, press ON SCREEN ○.

NOTE

- You may not be able to operate this function depending on the disc.
- This function does not work during program playback or random playback.
- For a CD, this operation can always be carried out. For a VCD or SVCD, the operation can be carried out when the disc is stopped or during playback without the PBC function.
- Time search for a DVD VIDEO is from the beginning of the title, for a DVD AUDIO is from the beginning of the track being played back. Time search for a VCD, SVCD and a CD is as follows:
  - When the disc is stopped, time search is from the beginning of the disc.
  - When the disc is being played back, time search is within the track currently being played back.

Playing Back MP3/WMA and JPEG Discs



NOTE

- Set the remote control mode selector to AUDIO before using the number buttons.

Playback

MP3 WMA **JPEG**

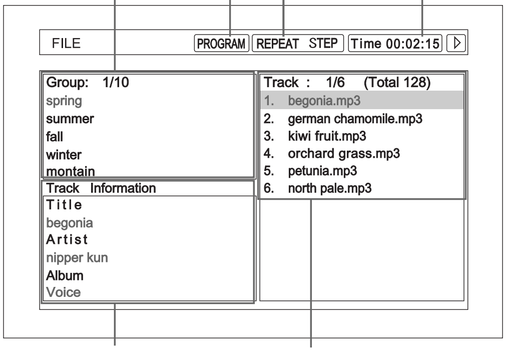
Display of an MP3/WMA disc is described here as an example.
For a JPEG disc, read "track" as "file".

NOTE

- When playing back a disc containing both MP3/WMA and JPEG files, set one of them to be played (☞ page 39).

1 Insert a disc.

Example: TV screen


This indicator lights up during repeat playback (☞ page 38).
This indicator lights up during program playback (☞ page 32).
Elapsed playing time of the selected track (only for MP3/WMA).
Group list
Tag information of the selected track (only for MP3s/WMAs)
Track list (Tracks contained in the selected group)

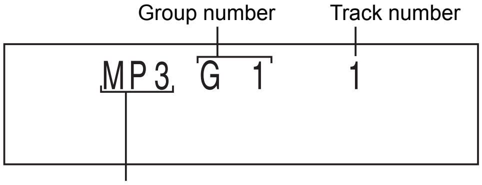
FILE PROGRAM REPEAT STEP Time 00:02:15

Group: 1/10
spring
summer
fall
winter
montain

Track Information
Title
begonia
Artist
nipper kun
Album
Voice

Track : 1/6 (Total 128)
1. begonia.mp3
2. german chamomile.mp3
3. kiwi fruit.mp3
4. orchard grass.mp3
5. petunia.mp3
6. north pale.mp3

Example: Display window



"WMA" is displayed when a WMA disc is loaded, and "JPG" is displayed when a JPEG disc is loaded.

2 Press ▲ ▼ to select a group.

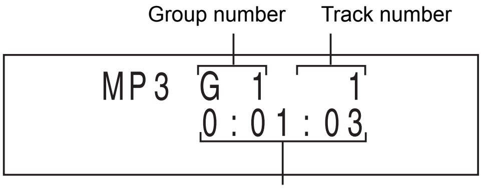
3 Press ► to move to the track list.

- Pressing ◄ returns to the group list.

4 Press ▲ ▼ to select a track.

5 Press DVD ► or ENTER.

Example: Display during playback



Elapsed playing time
(This indicator is not displayed while a JPEG is loaded.)

- At first, a track title (file name) is scrolled.
- When an MP3 or WMA is loaded, tag information (title/artist/album) is scrolled followed by a track title.
- Only alphanumerical one-byte characters are displayed properly as a track title or tag information.

NOTE

- You can also use GROUP SKIP ≪ and GROUP SKIP ≫ in step 2.
- You can also use the number buttons in step 4. In this case, steps 3 and 5 are not needed. Refer to “Using the number buttons” (☞ page 17).
- You can also use PREVIOUS ⏮ or NEXT ⏭ in step 4. In this case, step 3 is not needed.

Slide-show playback JPEG

- For a JPEG disc, when you press DVD ► in step 5, files are continuously played back from the selected file (slide-show playback). When you press ENTER, only a selected file is played back.
- A file is displayed for approximately 3 seconds in a slide-show playback.
- After all files are played back, the playback is automatically stopped.

Repeat Playback

MP3 WMA **JPEG**

■While a disc is being played back

Press REPEAT ⬭ .

- Each time you press REPEAT ⬭, the repeat type is changed.

Repeat types	Display on the TV screen	Display in the display window on the main unit
Repeats the current track (only for MP3/ WMA)	REPEAT TRACK*	REPEAT* TRACK ↻
Repeats the current group	REPEAT GROUP	REPEAT GROUP ↻GROUP
Repeats the entire disc	REPEAT ALL	REPEAT ALL ↻ALL
Cancels repeat playback	No display	REPEAT OFF

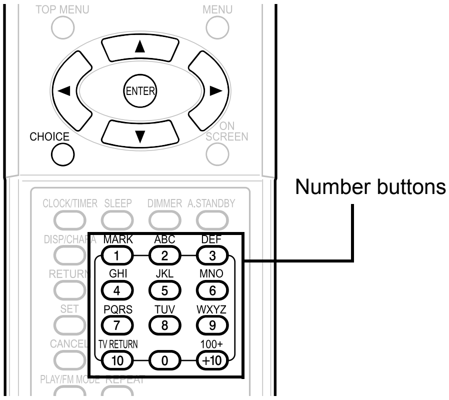
* "STEP" is displayed during program playback and random playback.

NOTE

- The repeat types can also be changed while the disc is stopped.
- The repeat playback is automatically canceled if there is a file that cannot be played back (☞ page 4).

Preferences

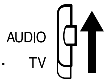
DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA JPEG



You can change the initial settings of this product according to the environment the product is used in.

CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.



NOTE

- The top and bottom of the preference screen may not be displayed on a wide TV. Adjust the picture size on the TV.

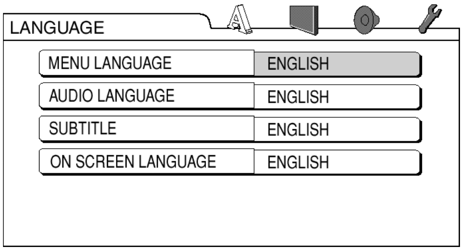
Basic Operations

This section explains basic operation for changing various settings.

■While a disc is stopped or no disc is loaded (while "NO DISC" is displayed)

1 Press CHOICE ○**.**

- "SETTING" appears in the display window on the main unit and the following screen appears on the TV.



LANGUAGE

MENU LANGUAGE	ENGLISH
AUDIO LANGUAGE	ENGLISH
SUBTITLE	ENGLISH
ON SCREEN LANGUAGE	ENGLISH

- Proceed with operations by following the description on the TV screen.

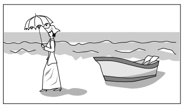
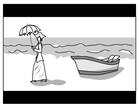
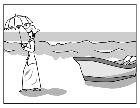
LANGUAGE

NOTE

- If the selected language is not recorded on the disc, the optimum language set for the disc appears.
- For a language code such as "AA", refer to the "Language Codes" (☞ page 42).

Items	Contents
MENU LANGUAGE	Select the language for the DVD VIDEO menu.
AUDIO LANGUAGE	Select the audio language for the DVD VIDEO.
SUBTITLE	Select the subtitle language for the DVD VIDEO.
ON SCREEN LANGUAGE	Select the language displayed on the preference screens.

PICTURE

Items	Contents (▨ : initial setting)
MONITOR TYPE	**Select a display method suitable for your TV.** **16 : 9 /16 : 9 MULTI (wide TV):** Select this item when the aspect ratio of your wide TV is fixed to 16:9 (when playing back a DVD VIDEO recorded at 4:3, this product automatically adjusts the screen width of the output signal).  **4 : 3 LB/4 : 3 MULTI LB (letter box) :** Select this item when the aspect ratio of your TV is conventional 4:3. While viewing a wide screen picture, the black bars appear on the top and bottom of the screen.  **4 : 3 PS/4 : 3 MULTI PS (pan scan):** Select this item when the aspect ratio of your TV is conventional 4:3. While viewing a wide screen picture, the left and right edges of the picture will not be shown on the screen. (If the disc is not compatible with the pan scan, the picture will be displayed at the letter box ratio.) 
PICTURE SOURCE	Select an item suitable to the video source. **VIDEO:** Select this item when you want to view a normal video. **FILM:** Select this item when you want to view a film or video recorded with the progressive scan method. **AUTO:** The video source type (a video or film) is automatically selected.
SCREEN SAVER	Select the screen saver mode between ON /OFF (screen saver activates when there is no operation made for about 5 minutes since a still picture was last displayed).
FILE TYPE	If a disc includes an AUDIO file (MP3/WMA) and a still picture file (JPEG), select which file is played back. If you change this setting, open and close the disc tray, or momentarily turn off the main unit. (A disc either with audio files or still picture files can be played back regardless of this setting.)

AUDIO

Items	Contents (▨ : initial setting)
DIGITAL AUDIO OUTPUT	**Select an output signal type from the following in accordance with the equipment connected to the digital audio output terminal (AV amplifier, etc.). (See the list below for the preference items and output signal.)** **PCM ONLY:** Equipment corresponding only to linear PCM. **DOLBY DIGITAL/PCM:** Dolby digital decoder or equipment having the same function. **STREAM/PCM :** DTS/Dolby digital decoder or equipment having the same function.
DOWN MIX	**Switch signal from the digital output terminal of the DVD VIDEO according to the connected equipment. Select this when Digital Audio Output is set to "PCM ONLY".** **DOLBY SURROUND :** A dolby pro logic decoder-built-in equipment. **STEREO:** An ordinary equipment. • When 3D phonic is activated, Down Mix does not work.
D (Dynamic). RANGE COMPRESSION	**To make adjustments for the difference between a high volume and a low volume when playing back with low volume (only for a DVD recorded with Dolby digital).** **AUTO :** D. range compression automatically works. **ON:** D. range compression always works.

OTHERS

Items	Contents (▨ : initial setting)
RESUME	**(☞ page 25)**
ON SCREEN GUIDE	**Select whether you display guide icons on the on-screen guide indicating status of a disc/main unit (For details on the guide icons, refer to page 24)**
AV COMPU LINK MODE	**When you want to control JVC TV by using this product, select a mode that matches the terminal from the following. (For more details, refer to "Using AV COMPU LINK" on page 73.)** **DVD1 :** Connect to the video-3 input on the TV set. **DVD2:** Connect to the video-1 input of the TV set. **DVD3:** Connect to the video-2 input of the TV set.
PARENTAL LOCK	**Set the parental lock function to cut off violent scenes or replace the scenes with others. (This is effective only for discs equipped with the parental lock function.)** **COUNTRY CODE (☞ page 41)** Select your country or area. **SET LEVEL:** The restriction is stricter as the number becomes smaller. "NONE" is no restriction. **PASSWORD (essential):** Enter four-digit number as your password using the number buttons (1-9, 0) every time. (Enter "8888" if you forget your password.) The password is required at the time of playback. • If you enter a wrong password three times, "EXIT" will be automatically selected.

List of relationships of DIGITAL AUDIO OUTPUT preference items and output signal

Playback disc	DIGITAL AUDIO OUTPUT preference		
	STREAM/PCM	DOLBY DIGITAL/PCM	PCM ONLY
48 kHz, 16/20/24 bits Linear PCM DVD VIDEO 96 kHz linear PCM DVD VIDEO	48 kHz, 16 bits stereo linear PCM		
48/96/192 kHz, 16/20/24 bits linear PCM DVD AUDIO	48 kHz, 16 bits stereo linear PCM		
44.1/88.2/176.4 kHz, 16/20/24 bits linear PCM DVD AUDIO	44.1 kHz, 16 bits stereo linear PCM		
DTS DVD VIDEO	DTS bit stream	48 kHz, 16 bits stereo linear PCM	
DOLBY DIGITAL DVD VIDEO/ DVD AUDIO	DOLBY DIGITAL bit stream		48 kHz, 16 bits stereo linear PCM
CD/VCD/SVCD	44.1 kHz, 16 bits stereo linear PCM/48 kHz, 16 bits linear PCM		
DTS CD	DTS bit stream	44.1 kHz, 16 bits linear PCM	
MP3/WMA disc	32/44.1/48 kHz, 16 bits linear PCM		

NOTE

- For a DVD VIDEO without content protection set, there is a 20 bit or 24 bit output at the digital audio output terminal.

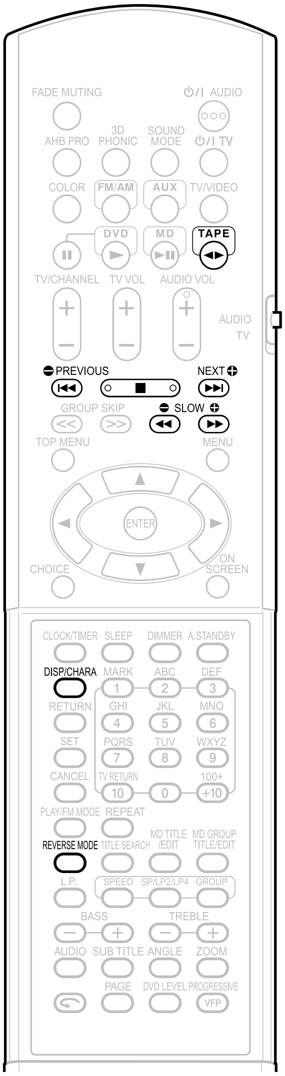
Country/Area Codes

AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua and Barbuda
AI	Anguilla
AL	Albania
AM	Armenia
AN	Netherlands Antilles
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AZ	Azerbaijan
BA	Bosnia and Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia
BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada
CC	Cocos (Keeling) Islands
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Côte d'Ivoire
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CU	Cuba
CV	Cape Verde
CX	Christmas Island
CY	Cyprus
CZ	Czech Republic
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea
ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji
FK	Falkland Islands (Malvinas)
FM	Micronesia (Federated States of)
FO	Faroe Islands
FR	France
FX	France, Metropolitan
GA	Gabon
GB	United Kingdom
GD	Grenada
GE	Georgia
GF	French Guiana
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GS	South Georgia and the South Sandwich Islands
GT	Guatemala
GU	Guam
GW	Guinea-Bissau
GY	Guyana
HK	Hong Kong
HM	Heard Island and McDonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IL	Israel
IN	India
IO	British Indian Ocean Territory
IQ	Iraq
IR	Iran (Islamic Republic of)
IS	Iceland
IT	Italy
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KN	Saint Kitts and Nevis
KP	Korea, Democratic People's Republic of
KR	Korea, Republic of
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Lao People's Democratic Republic
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libyan Arab Jamahiriya
MA	Morocco
MC	Monaco
MD	Moldova, Republic of
MG	Madagascar
MH	Marshall Islands
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Macau
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	French Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	Saint Pierre and Miquelon
PN	Pitcairn
PR	Puerto Rico
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Réunion
RO	Romania
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan
SE	Sweden
SG	Singapore
SH	Saint Helena
SI	Slovenia
SJ	Svalbard and Jan Mayen
SK	Slovakia
SL	Sierra Leone
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
ST	Sao Tome and Principe
SV	El Salvador
SY	Syrian Arab Republic
SZ	Swaziland
TC	Turks and Caicos Islands
TD	Chad
TF	French Southern Territories
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Tokelau
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TP	East Timor
TR	Turkey
TT	Trinidad and Tobago
TV	Tuvalu
TW	Taiwan
TZ	Tanzania, United Republic of
UA	Ukraine
UG	Uganda
UM	United States Minor Outlying Islands
US	United States
UY	Uruguay
UZ	Uzbekistan
VA	Vatican City State (Holy See)
VC	Saint Vincent and the Grenadines
VE	Venezuela
VG	Virgin Islands (British)
VI	Virgin Islands (U.S.)
VN	Viet Nam
VU	Vanuatu
WF	Wallis and Futuna Islands
WS	Samoa
YE	Yemen
YT	Mayotte
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

Language Codes

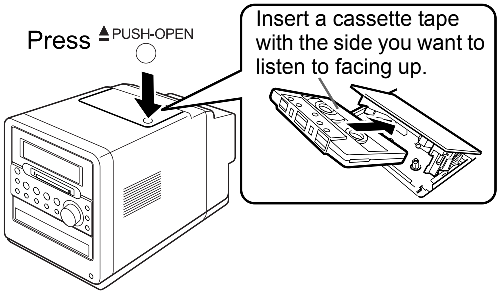
Code	Language	Code	Language
AA	Afar	MK	Macedonian
AB	Abkhazian	ML	Malayalam
AF	Afrikaans	MN	Mongolian
AM	Ameharic	MO	Moldavian
AR	Arabic	MR	Marathi
AS	Assamese	MS	Malay (MAY)
AY	Aymara	MT	Maltese
AZ	Azerbaijani	MY	Burmese
BA	Bashkir	NA	Nauru
BE	Byelorussian	NE	Nepali
BG	Bulgarian	NL	Dutch
BH	Bihari	NO	Norwegian
BI	Bislama	OC	Occitan
BN	Bengali, Bangla	OM	(Afan) Oromo
BO	Tibetan	OR	Oriya
BR	Breton	PA	Panjabi
CA	Catalan	PL	Polish
CO	Corsican	PS	Pashto, Pushto
CS	Czech	PT	Portuguese
CY	Welsh	QU	Quechua
DA	Danish	RM	Rhaeto-Romance
DZ	Bhutani	RN	Kirundi
EL	Greek	RO	Rumanian
EO	Esperanto	RU	Russian
ET	Estonian	RW	Kinyarwanda
EU	Basque	SA	Sanskrit
FA	Persian	SD	Sindhi
FI	Finnish	SG	Sangho
FJ	Fiji	SH	Serbo-Croatian
FO	Faroese	SI	Singhalese
FY	Frisian	SK	Slovak
GA	Irish	SL	Slovenian
GD	Scots Gaelic	SM	Samoan
GL	Galician	SN	Shona
GN	Guarani	SO	Somali
GU	Gujarati	SQ	Albanian
HA	Hausa	SR	Serbian
HI	Hindi	SS	Siswati
HR	Croatian	ST	Sesotho
HU	Hungarian	SU	Sundanese
HY	Armenian	SV	Swedish
IA	Interlingua	SW	Swahili
IE	Interlingue	TA	Tamil
IK	Inupiak	TE	Telugu
IN	Indonesian	TG	Tajik
IS	Icelandic	TH	Thai
IW	Hebrew	TI	Tigrinya
JI	Yiddish	TK	Turkmen
JW	Javanese	TL	Tagalog
KA	Georgian	TN	Setswana
KK	Kazakh	TO	Tonga
KL	Greenlandic	TR	Turkish
KM	Cambodian	TS	Tsonga
KN	Kannada	TT	Tatar
KO	Korean (KOR)	TW	Twi
KS	Kashmiri	UK	Ukrainian
KU	Kurdish	UR	Urdu
KY	Kirghiz	UZ	Uzbek
LA	Latin	VI	Vietnamese
LN	Lingala	VO	Volapuk
LO	Laothian	WO	Wolof
LT	Lithuanian	XH	Xhosa
LV	Latvian, Lettish	YO	Yoruba
MG	Malagasy	ZU	Zulu
MI	Maori		

Listening to Cassette Tapes



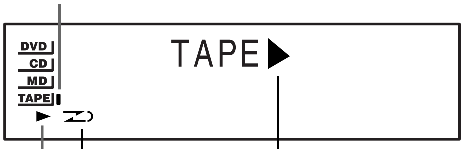
	Operation
Stop	Press ■ .
Fast forward/ Rewind	Press NEXT⊕ ⏭ or ⊖PREVIOUS ⏮ . • When a cassette tape is played back in the normal direction (►), NEXT⊕ ⏭ is fast forward and ⊖PREVIOUS ⏮ is rewind. • When the cassette tape is played back in the opposite direction (◄), ⊖PREVIOUS ⏮ is fast forward and NEXT⊕ ⏭ is rewind. • You can perform the same operation by pressing ⊖ SLOW ⏪ or SLOW ⊕ ⏩.

1 Insert a cassette tape.



Insert a cassette tape with the side you want to listen to facing up.

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.)



Reverse mode

Cassette tape playback direction (►: normal direction/◄: opposite direction)

CAUTION

- Before using a cassette tape, wind up any slack in the cassette tape. (☞ page 75)
- 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.

2 Press REVERSE MODE ⬭ 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.

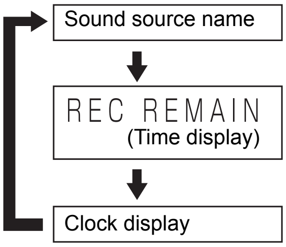
3 Press TAPE ◄►.

- Playback starts.
- When the main unit is turned off, pressing TAPE ◄► automatically turns on the main unit.
- Each time you press TAPE ◄►, 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

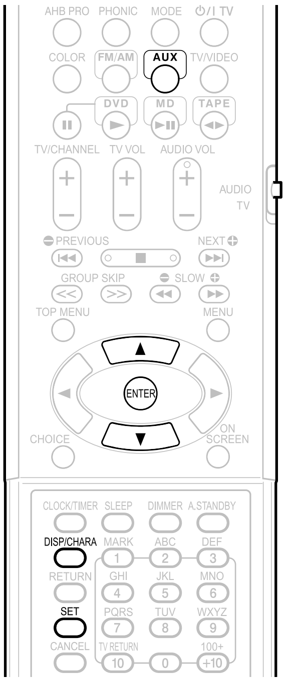
Press DISP/CHARA.

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



(With an MD loaded)
Display of remaining time for MD recording

Listening to Other Equipment



1 Press AUX.

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

AUX ↕	: To listen to sound from other equipment connected to the AUX terminals on the main unit.
AUX-DIGITAL	: To listen to sound from other equipment connected to the OPTICAL DIGITAL IN terminal on the main unit.

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" (☞ page 18).

Adjusting the Sound Input Level from Other Equipment

Adjusting the sound input level of the AUX

1 Press AUX repeatedly to select "AUX".

2 (With "AUX" being displayed) Hold down SET until the input level appears.
- Each time you hold down SET, the display toggles as follows.

LEVEL1 ↕	For ordinary use. (initial setting)
LEVEL2	For increasing the level.

Adjusting the sound input level of the AUX-DIGITAL

1 Press AUX repeatedly to select "AUX-DIGITAL".

2 (With "AUX-DIGITAL" being displayed) Hold down SET until the input level appears.

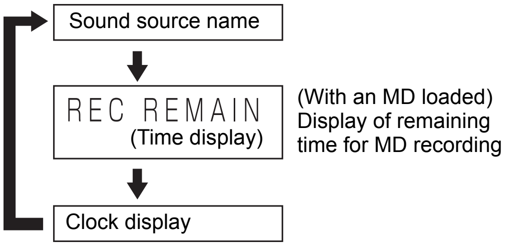
3 Press ▲ or ▼ to adjust the input level.
- You can adjust the input level within the range of -12 dB to 12 dB (in increments of 2 dB). The initial setting is 0 dB.

4 Press ENTER.

Changing the Display in the Display Window

Press DISP/CHARA.

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

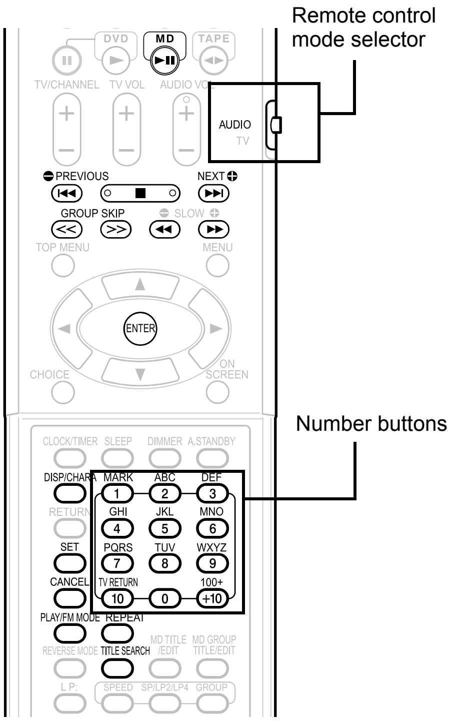

Sound source name

REC REMAIN
(Time display)

(With an MD loaded)
Display of remaining time for MD recording

Clock display

Listening to MDs



NOTE

- Set the remote control mode selector to AUDIO before using the number buttons.

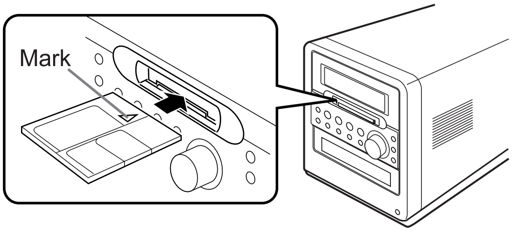
	Operation	
Stop	Press ■.	
Pause	Press MD ▶II during playback. Pressing MD ▶II again resumes playback.	
Skip	⊖PREVIOUS ⏮ : NEXT⊕ ⏭ :	Press the button repeatedly.
Fast forward/ Rewind (Search)	⊖PREVIOUS ⏮ : NEXT⊕ ⏭ :	Hold down the button during playback.
	◀◀ : ▶▶ :	Press the button during playback. (Pressing MD ▶II during search resumes normal playback.)
Eject	Press MD ⏏ on the main unit.	

Listening to MDs

Used frequently

■When the main unit is turned on

1 Insert an MD.



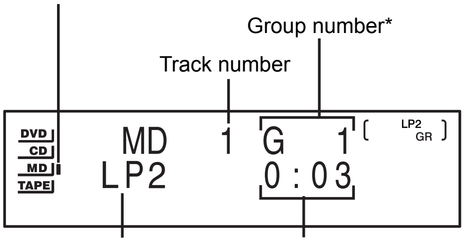
CAUTION

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

2 Press MD ▶II.

■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.)



MDLP mode (☞ page 51) Elapsed playing time

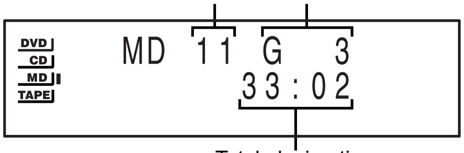
- When the track title has been set to the track, the track title appears first.
- * When the track being played back does not belong to a group, "G - -" appears.

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

Total number of tracks Total number of groups*



Total playing time

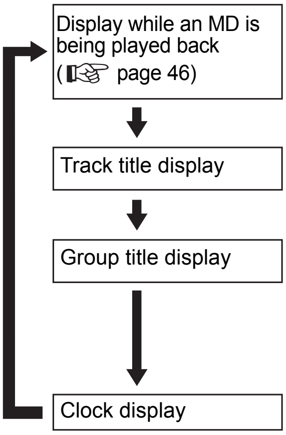
- When the MD title (the disc title) has been set to the MD, the MD title appears first.
- Long titles are scrolled.
- * When no group belongs to the MD, "G - -" appears.

Changing the Display in the Display Window

Press DISP/CHARA.

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

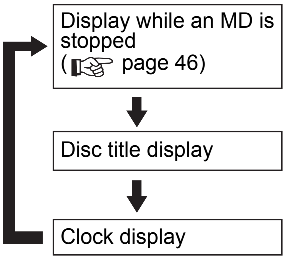
■While an MD is being played back



When no title has been set to a track, "NO TR TITLE" appears.

When the track being played back does not belong to a group, no group title display appears. When no title has been set to a group, "NO GR TITLE" appears.

■While an MD is stopped



When no title has been set to an MD, "NO TITLE" appears.

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)

1 Set the remote control mode selector to AUDIO.

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

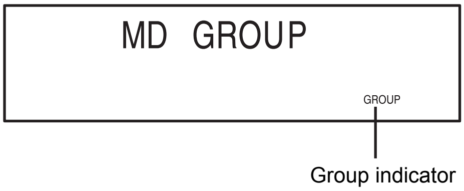
- Refer to "Using the number buttons" (☞ page 17).

Group Playback of an MD

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

■While an MD is stopped

1 Press PLAY/FM MODE repeatedly to select "GROUP".



2 Press MD ►II.

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

3 Press GROUP SKIP << or GROUP SKIP >> 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 PLAY/FM MODE repeatedly to select an item other than "GROUP".

NOTE

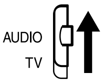
- Ejecting the MD or turning off the main unit also cancels group playback.

Program Playback

This function allows you to program up to 32 tracks.

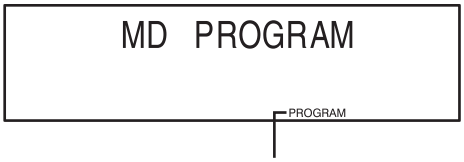
■While the MD is stopped

1 Set the remote control mode selector to AUDIO.



2 Press PLAY/FM MODE to select "PROGRAM".

Example: Display while MD program playback is selected

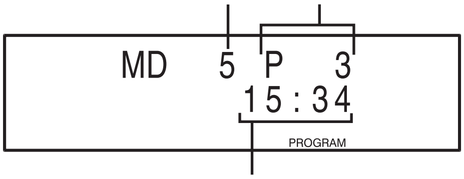


Program indicator

3 Press the number buttons (1 - 10 or +10) to select the track numbers.

- Refer to "Using the number buttons" (☞ page 17).

Track number Program number



Total time for program playback

NOTE

- When you want to erase the program, press CANCEL while playback is stopped. Programmed tracks are erased one by one from the last track. Holding down CANCEL 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 2 hours 31 minutes for an MD, "--:--" appears.

4 Press MD ▶II.

NOTE

- You can set tracks for program playback either from a CD, MD or DVD.

Confirming the programmed track order

While playback is stopped, press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ repeatedly.

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

Canceling the program playback

While playback is stopped, press PLAY/FM MODE repeatedly to display an item other than "PROGRAM".

- This operation does not erase the program.

Erasing all the programmed tracks

While playback is stopped, hold down CANCEL.

NOTE

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

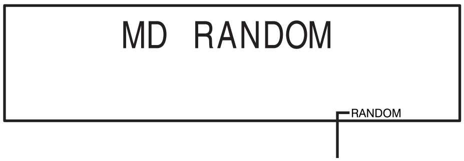
Random Playback

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

■While a disc is stopped

1 Press PLAY/FM MODE repeatedly to select "RANDOM".

Example: Display while MD random playback is selected



Random indicator

2 Press MD ▶II.

NOTE

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

Canceling the random playback

While playback is stopped, press PLAY/FM MODE repeatedly to display an item other than "RANDOM".

NOTE

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

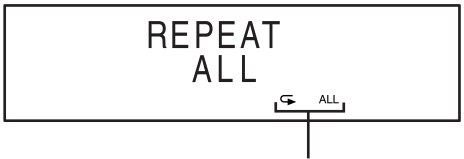
Repeat Playback

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

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

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

Example: While "REPEAT ALL" is selected



Repeat indicator

REPEAT ALL (ALL) : For repeating all tracks in an MD. For repeating all tracks in the selected group when MD group playback is selected.

↓

REPEAT TRACK : For repeating one track.

↓

REPEAT OFF : For canceling repeat playback.

NOTE

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

Searching Titles

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

■While a disc is stopped

1 Set the remote control mode selector to AUDIO.

2 Press TITLE SEARCH repeatedly to select the search type.

TRACK T. SEARCH — For searching track titles.

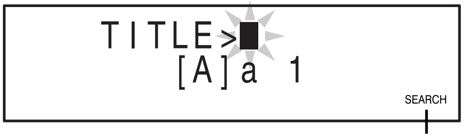
"T" stands for "Title".

↕

GROUP T. SEARCH — For searching group titles. (This function is available only when there are groups.)

3 Press SET.

Example:Display while track titles are being searched



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

4 Enter the title you want to search.

- 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 59).
- When searching tracks or groups with no titles, enter nothing, and then proceed to step 5.

5 Press ENTER.

- "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.
- Capital letters and small letters are distinguished.
- When no corresponding titles are found, "SEARCH END" appears.

Searching another track or group title

Press NEXT ⊕ (▶▶I) (or GROUP SKIP (>>)).

Quitting the title search

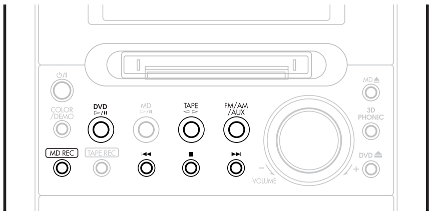
Press TITLE SEARCH ○ .

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

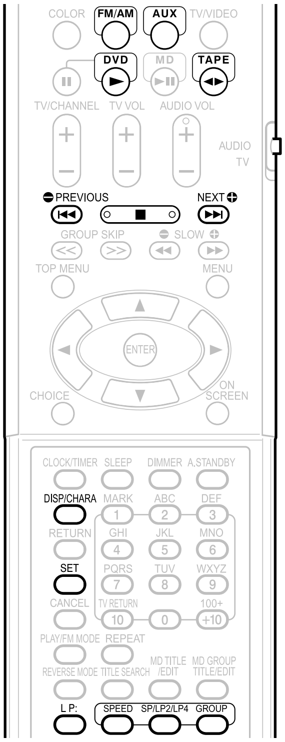
```
SEARCH  END
```

Recording Sound to MDs Used frequently

Main unit



Remote control



Recording All Tracks from a Disc to an MD

1 Press DVD ►, and then press ■.

- The DVD is selected as the sound source and **playback is stopped**.

■When recording sound from DVD VIDEOs

- Play back a title or chapter, pause playback, and then press PREVIOUS ⏮ to return to the beginning of the first title/chapter.
- You may not be able to record a DVD VIDEO depending on the disc.

2 Insert an MD.

- Close the write protect knob on the MD beforehand (☞ page 75).

3 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 (initial setting).

GROUP REC OFF: Cancels group recording.

- You can form or cancel a group after the recording finishes. (☞ pages 63 and 66)

5 Press SPEED to select the recording speed.

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

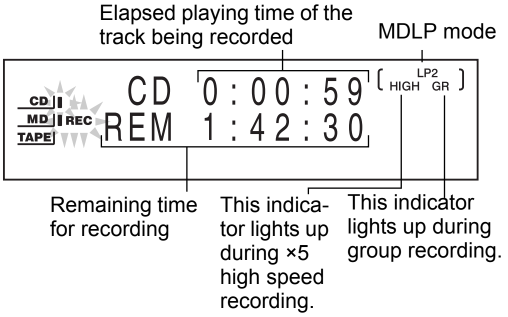
HIGH SPEED: ×5 high speed recording (only for CDs)

NORMAL REC: Normal speed recording

- Select "NORMAL REC" when you want to play back a disc other than a CD.
- Recorded sound quality is the same for both "HIGH SPEED" and "NORMAL REC".
- You cannot listen to the sound during ×5 high speed recording.

6 Press MD REC ◎ on the main unit.

Example: Display while CD is recorded


Elapsed playing time of the track being recorded
MDLP mode
CD
MD
TAPE
REC
CD 0:00:59
REM 1:42:30
LP2
HIGH
GR
Remaining time for recording
This indicator lights up during ×5 high speed recording.
This indicator lights up during group recording.

- When recording finishes, the color pattern of the display window and disc tray changes to the color pattern set in "MANUAL" to inform you that recording has finished (☞ page 19).
- When "HCMS CANNOT COPY" appears, refer to pages 74 and 76.

NOTE

- The recorded sound level is automatically adjusted.
- The CD rotates at high speed during x5 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.
- While recording a DVD video, you cannot make settings on the DVD including audio, subtitle, view angles, picture magnification and 3D PHONIC selection.

Quitting Recording

Press ■.

Recording Only One Track from a Disc

(Excluding DVD VIDEOs)

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

- Pressing MD REC ◎ in step 6 returns playback to the beginning of the track, and only that track is recorded.
- This one-track recording is not available for DVD VIDEOs.

Recording the Second or Subsequent Track to the Last Track from a Disc

■When recording CDs/VCDs/SVCDs/DVD VIDEOs (For a DVD VIDEO: while the disc is paused)

Before proceeding to step 6, select the starting track or chapter number by pressing ⊖PREVIOUS ⏮ or NEXT⊕ ⏭.

■When recording DVD AUDIOs/MP3s/WMAs

Before proceeding to step 6, select the group number by pressing GROUP SKIP ≪ GROUP SKIP ≫, and then select the track number by pressing ⊖PREVIOUS ⏮ or NEXT⊕ ⏭.

Program Recording from a Disc

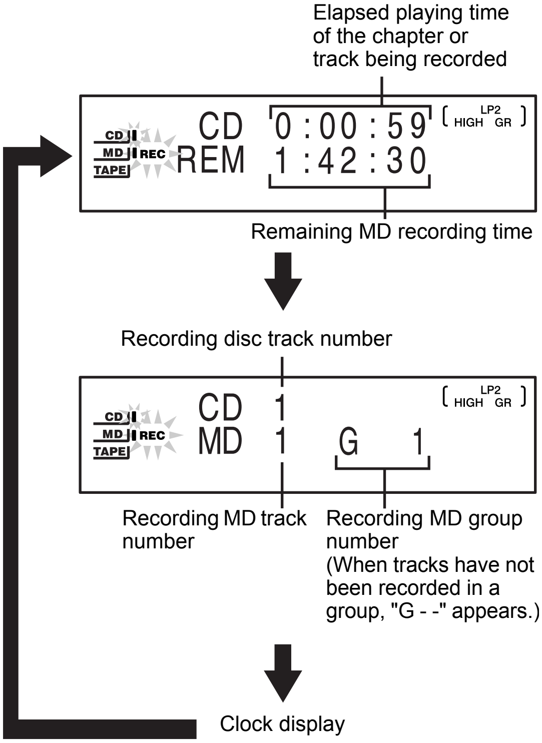
Before performing step 1 on page 51, program the tracks you want to record (☞ page 48).

- Select normal speed recording (☞ step 5 on page 51).
  When you select "HIGH SPEED" and proceed to step 6, "CANNOT REC × 1 REC ONLY" appears in the display window and recording does not start.

Changing the display in the display window during recording

Press DISP/CHARA .

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


Elapsed playing time of the chapter or track being recorded
CD
MD
REC
TAPE
CD 0:00:59
REM 1:42:30
LP2
HIGH GR
Remaining MD recording time
Recording disc track number
CD 1
MD 1 G 1
Recording MD track number
Recording MD group number (When tracks have not been recorded in a group, "G - -" appears.)
Clock display

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 an MD.
- You cannot use the monaural extended recording function with this product.

CAUTION

- Do not bump or sway the main unit during MD recording. Be especially careful while "WRITING" is displayed. Such movement may interfere with MD playback.
- 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 LP:.
(☞ on the right)

"LP: " indicator setting

Press LP:.

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

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

↕

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

CD-R/CD-RW/DVD AUDIO recording

- When you record sound from a CD-R, CD-RW or DVD AUDIO onto an MD, pressing MD REC may display "SCMS CANNOT COPY" in the display window, and digital recording may not be available.
  In such a case, set the recording speed to normal, hold down MD REC for 4 or more seconds. While ”ANALOG REC?” is displayed, press MD REC once again to select analog recording.

- 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 a 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.
- When you record a disc, track marks are automatically inserted between tracks. However, track marks may not be inserted when a DVD VIDEO or DVD AUDIO is recorded.

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 20).
Cassette tape playback	Insert a cassette tape for playback, press TAPE ◄►, and then press ■. Press REVERSE MODE to select the reverse mode when necessary.
Sound from other equipment (AUX/ AUX-DIGITAL)	Press AUX repeatedly to select AUX or AUX-DIGITAL, and prepare playback on the other equipment (☞ page 45).

2 Insert an MD for recording.

- Confirm the MDLP, "LP: " indicator and group recording settings. (☞ pages 51 and 53)
- Close the write protect knob on the MD (☞ page 75).

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

4 While the track mark options are displayed, press ⊖PREVIOUS ⏮ NEXT⊕ ⏭ to select a track mark option.

- Each time you press ⊖PREVIOUS ⏮ NEXT⊕ ⏭, the display toggles as follows.

MANUAL MARK : Each time you press SET during recording, a track mark is set (initial setting).

↕

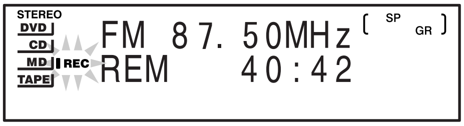
TIME MARK : Track marks are automatically set in 5-minute intervals.

↕

AUTO MARK : When no sound is produced for 3 or more seconds, a track mark is automatically set. You can also insert a track mark by pressing SET.

5 Press MD REC on the main unit.

Example: Display while FM radio broadcast is recorded



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

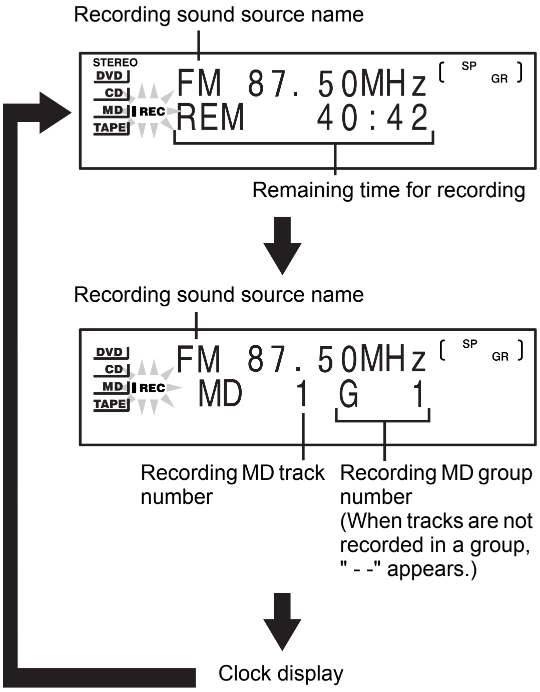
Quitting Recording

Press ■.

Changing the display in the display window during recording

Press DISP/CHARA.

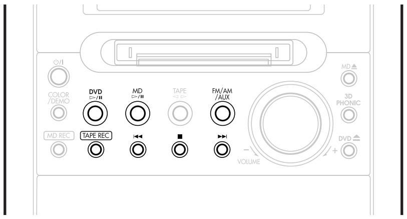
- Each time you press DISP/CHARA, the display toggles as follows.


Recording sound source name
STEREO
DVD
CD
MD
REC
TAPE
FM 87.50MHz
SP
GR
REM 40:42
Remaining time for recording
Recording sound source name
DVD
CD
MD
REC
TAPE
FM 87.50MHz
SP
GR
MD 1 G 1
Recording MD track number
Recording MD group number
(When tracks are not recorded in a group, " - -" appears.)
Clock display

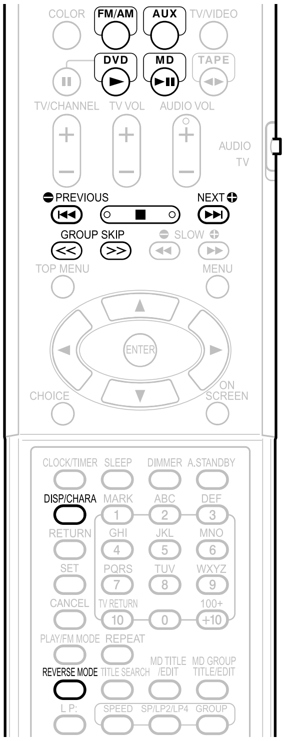
Recording Sound to Cassette Tapes

Used frequently

Main unit



Remote control



NOTE

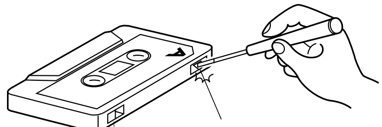
- The sound input level during recording is automatically adjusted.
- When you record tracks from a disc or MD, a 4-second blank is inserted between tracks in the recording. You can record tracks with no blank time. (☞ page 56)

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.

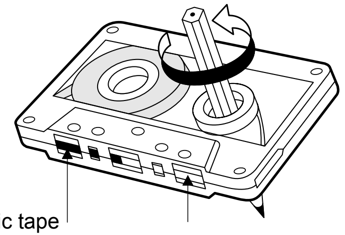
Preventing recorded sound from being erased

- 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.



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 REVERSE MODE to select the reverse mode.

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

⇄ : For one-way recording on either side.

⇄) : For one return recording on both sides.

(⇄) : Pressing TAPE REC automatically starts one return recording on both sides.

- You can change the reverse mode during recording.

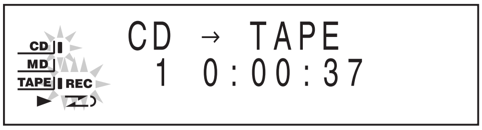
3 Select a sound source for recording.

- Before selecting a sound source, **make sure to stop a disc and MD**.

Sound source	Operation
Disc	Press DVD ►, and then press ■.
MD	Press MD ►II, and then press ■.
Radio broadcast	Select the radio station whose broadcast you want to record (☞ page 20).
Sound from other equipment (AUX/ AUX-DIGTAL)	Press AUX repeatedly to select AUX or AUX-DIGITAL, and prepare playback on the other equipment (☞ page 45).

4 Press TAPE REC ◎ on the main unit.

Example: Display while CD sound is recorded



- When you record from a disc 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 disc tray switches to the color pattern set in "MANUAL" to inform you that recording has finished (☞ page 19).

Quitting Recording

Press ■.

Recording Only One Track from a Disc or MD

(Excluding DVD VIDEOs)

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

- Pressing TAPE REC ◎ 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 Disc or MD

(For a DVD VIDEO: while the disc is paused)

■For a CD/VCD/SVCD/DVD VIDEO

Before proceeding to step 4, select the starting track/chapter number by pressing ⊖PREVIOUS ⏮ or NEXT⊕ ⏭.

■For a DVD AUDIO/MP3/WMA

Before proceeding to step 4, select the group number by pressing GROUP SKIP >> or GROUP SKIP <<, and then select the track number by pressing ⊖PREVIOUS ⏮ or NEXT⊕ ⏭.

Program Recording from a Disc or MD

Before proceeding to step 4, program the tracks you want to record (☞ pages 32 and 48).

Recording with No Blank Time between Tracks

Before proceeding to step 4, play back a disc or MD, pause the playback, and then press ⊖PREVIOUS ⏮ to return to the beginning of the first track.

Erasing Recorded Sound from a Cassette Tape

Select the sound from other equipment (AUX) in step 3, and then press TAPE REC ◎.

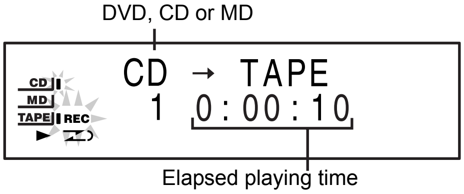
- Do not play back any tracks on the connected equipment.

Changing the display in the display window during recording

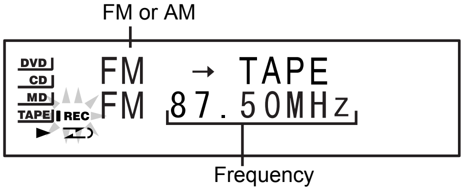
Press DISP/CHARA.

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

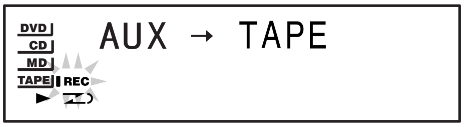
■While tracks from a disc or MD are being recorded



■While a radio broadcast (FM/AM) is being recorded



■While sound from other equipment (AUX) is being recorded



↕

Clock display

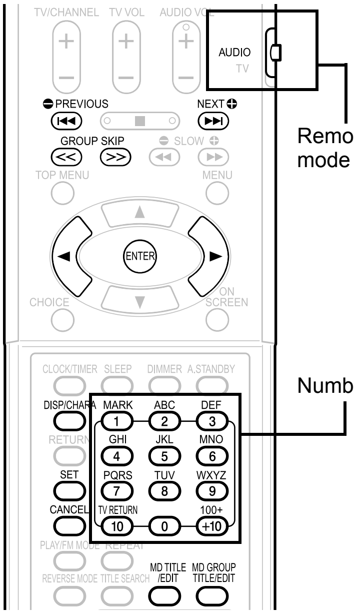
NOTE

- If the cassette tape reverses direction while a track is being recorded from a disc 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 32)

Giving (Editing) Titles

Things You Should Know about Editing

- You cannot edit an MD while its write protect knob is open (☞ page 75). 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.

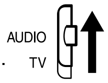


Remote control mode selector

Number buttons

NOTE

- Set the remote control mode selector to AUDIO before using the number buttons.

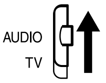


Giving (Editing) Titles

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

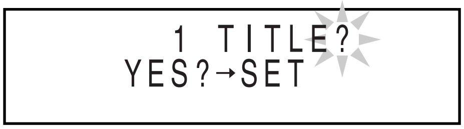
1 Set the remote control mode selector to AUDIO.



2 Display the title editing mode.

For editing an MD (disc) title or track titles

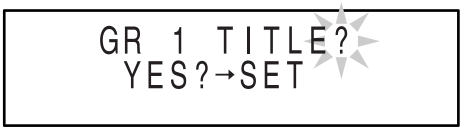
- Press MD TITLE/EDIT ⬭ to display the title editing mode.



- To edit a disc title, press PREVIOUS ⏮ repeatedly to display "DISC TITLE?". You can also display "DISC TITLE?" by pressing MD TITLE/EDIT ⬭ while the disc is stopped.
- You can also select track number with PREVIOUS ⏮ or NEXT ⏭ .

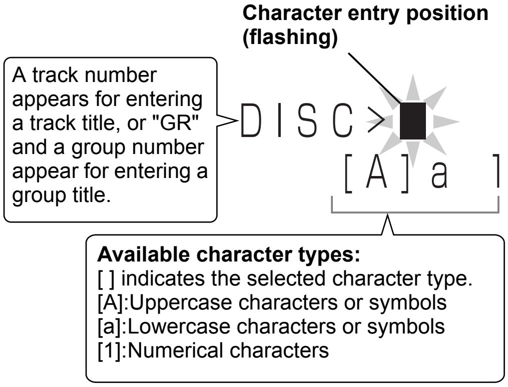
For editing group titles

- Press MD GROUP TITLE/EDIT ⬭ twice to display the group title editing mode.



- You can also select a group number with GROUP SKIP ≪ or GROUP SKIP ≫.

3 Press SET ⬭.



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

4 Enter a title using the number buttons.

- For entering a title, refer to "Entering Titles" (☞ page 59).

5 Press ENTER.

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

To quit title editing	To give next title
Press CANCEL ⬭.	Press SET ⬭. Go to step 4.

(Continued on next page)

6 Press MD ⏏ on the main unit to eject the MD.

NOTE

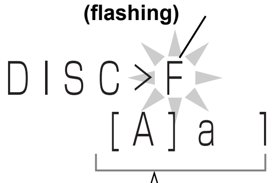
- Number of characters that can be entered to an MD
  You can enter up to 1 792 characters to each MD, with up to 61 characters to each track. However, the actual number of characters that you can enter is less than the number indicated here because of restrictions of the MD writing method.
  Spaces 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 53)
  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 ENTER 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 DISP/CHARA repeatedly until [ ] appears on "A".
2) Press DEF 3 repeatedly to display "F".

Character entry position (flashing)



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" (☞ on the right).

To move the character entry position

- Press ◄ or ►.
- When you want to enter "NO", "TV" or two characters which are assigned to one button, enter the first character, press ► 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 CANCEL.

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 ►.

To quit title entry

- Press MD TITLE/EDIT or MD GROUP TITLE/EDIT. The entered titles are not stored.

Available Characters

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

***Available symbols**

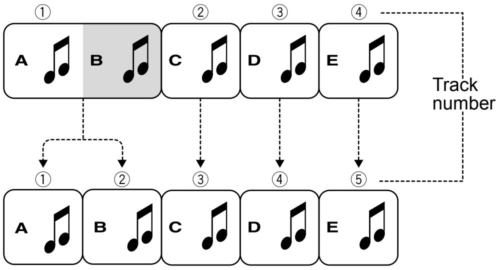
☐ Space			!	"	#	$	%	&	'	(	)	*	+
,	–	.	/	:	;	<	=	>	?	@	_	`	

Editing Tracks

For the locations of remote control buttons, refer to page 58.

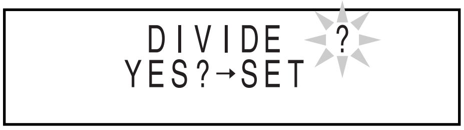
Dividing a Track into Two Tracks (DIVIDE)

Example: Dividing a tune into tune A and tune B



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

1 Press MD TITLE/EDIT ○ repeatedly to select "DIVIDE?".



DIVIDE ?
YES?→SET

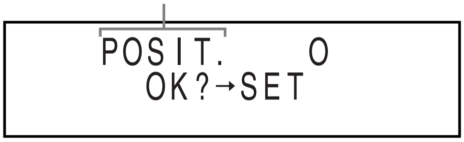
2 Press SET ○.

- You can also select the track number with ⊖PREVIOUS ⏮, NEXT⊕ ⏭ or the number buttons. Refer to "Using the number buttons" (☞ page 17).

3 Press SET ○ to specify the dividing point.

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

"POSIT." stands for "POSITION".



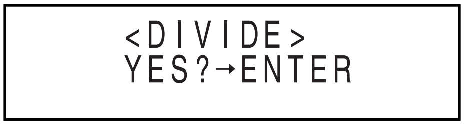
POSIT. 0
OK?→SET

- 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 ⊖PREVIOUS ⏮ or NEXT⊕ ⏭.

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

5 Press SET ○.



<DIVIDE>
YES?→ENTER

6 Press ENTER.

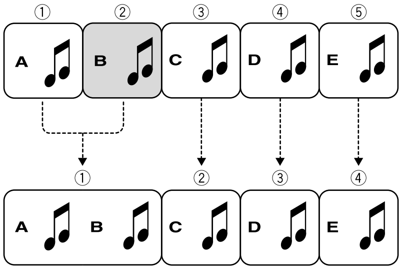
NOTE

- During editing, you can return to the previous step by pressing CANCEL ○. You can quit the editing operation by pressing MD TITLE/EDIT ○.
- You cannot divide a track in an MD containing 254 or more tracks. When you press SET ○ 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)

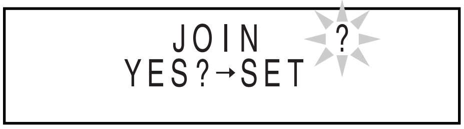
You can join two adjacent tracks into one track.

Example: Joining tune A and tune B

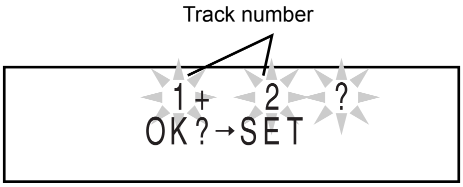


■While the second track (track 2 in the example shown above) to which you want to join the first track is being played back

1 **Press MD TITLE/EDIT repeatedly to select "JOIN?".**


JOIN ?
YES?→SET

2 **Press SET.**



1+ 2 ?
OK?→SET

- You can also select a track number with ⊖PREVIOUS ⏮, NEXT⊕ ⏭ or the number buttons. Refer to "Using the number buttons" (☞ page 17).

3 **Press SET.**

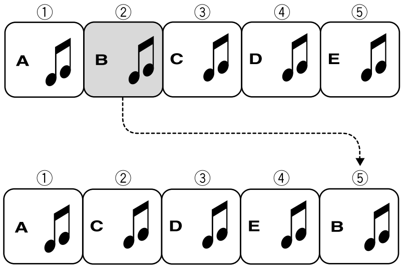
4 **Press ENTER.**

NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT.
- 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.

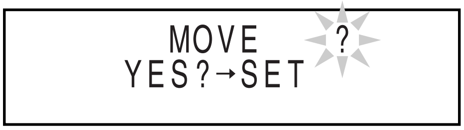
Moving a Track (MOVE)

Example: Moving tune B

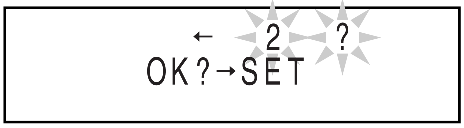


■While the track you want to move (track 2 in the example shown above) is being played back

1 **Press MD TITLE/EDIT repeatedly to select "MOVE?".**


MOVE ?
YES?→SET

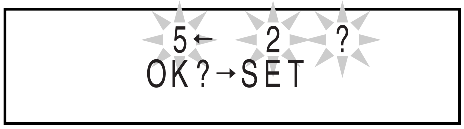
2 **Press SET.**


← 2 ?
OK?→SET

- You can also select a track number with ⊖PREVIOUS ⏮, NEXT⊕ ⏭ or the number buttons. Refer to "Using the number buttons" (☞ page 17).

3 **Press SET.**

4 **Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ to select the track number to which you want to move the specified track.**
(Track 5 is selected in the example shown above)


5← 2 ?
OK?→SET

- You can also select a track number with the number buttons. Refer to "Using the number buttons" (☞ page 17).
- 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 SET.**

6 **Press ENTER.**

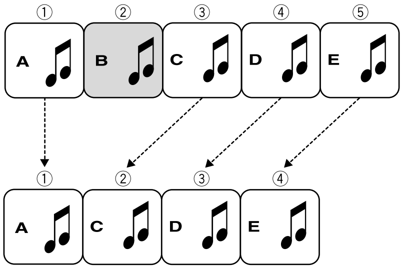
NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT.

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 MD TITLE/EDIT repeatedly to select "ERASE?".

ERASE?
YES?→SET

2 Press SET.

2 ERASE?
ERASE?→SET

- You can also select a track number with PREVIOUS ⏮, NEXT ⏭ or the number buttons. Refer to "Using the number buttons" (☞ page 17).

3 Press SET.

- " ✓ " is added in front of the selected track number.
- When you select a wrong track, press CANCEL to delete " ✓ ".
- You can select up to 15 tracks to be erased with PREVIOUS ⏮, NEXT ⏭ or the number buttons, and SET. Refer to "Using the number buttons" (☞ page 17).

4 Press ENTER.

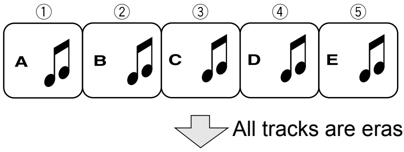
5 Confirm that you no longer need the tracks, and then press ENTER.

NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT.

Erasing All Tracks (ALL ERASE)

Used frequently



All tracks are erased.

BLANK DISC

CAUTION

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

1 Press MD TITLE/EDIT repeatedly to select "ALL ERASE?".

ALL ERASE?
YES?→SET

2 Press SET.

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

NOTE

- You can quit the editing operation by pressing MD TITLE/EDIT.

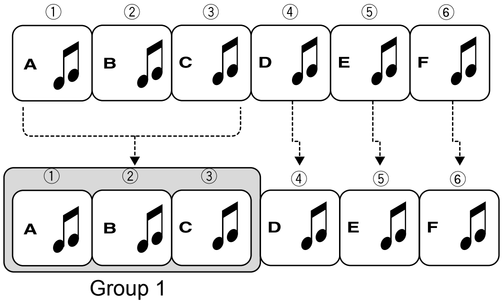
Editing Tracks by Group

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



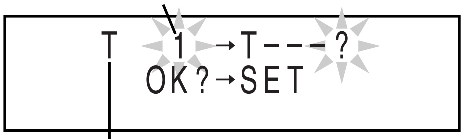
■While the track which you want to specify as the first in the group (track 1 in the example shown above) is being played back

1 Press MD GROUP TITLE/EDIT repeatedly to select "FORM GR?".

- "GR" stands for "GROUP".

2 Press SET.

The first track number in the group



"T" stands for "TRACK".

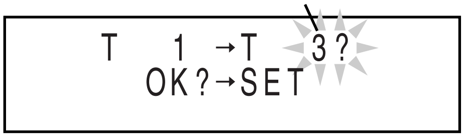
- You can also select a track number with ⊖PREVIOUS ⏮, NEXT⊕ ⏭ or the number buttons. Refer to "Using the number buttons" (☞ page 17).

3 Press SET.

4 Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ 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



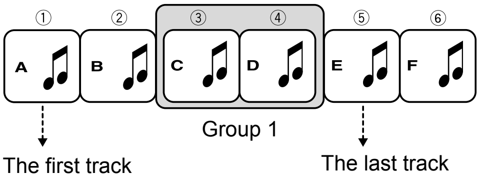
- You can also select a track number with the number buttons. Refer to "Using the number buttons" (☞ page 17).

5 Press SET.

6 Press ENTER.

NOTE

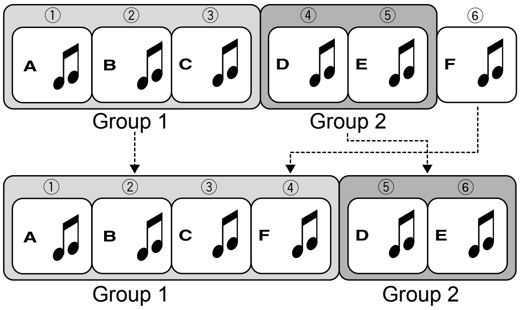
- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD GROUP TITLE/EDIT.
- If you select a track in another group, "GROUP TRACK" appears and you cannot proceed to the next step.
- If you select a sequence including a track that is registered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

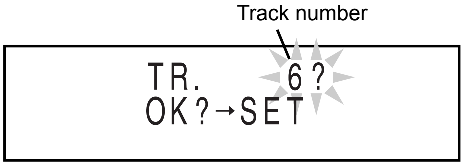
Example: Adding tune F to group 1



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

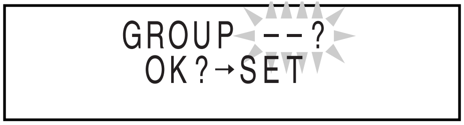
1 Press MD GROUP TITLE/EDIT repeatedly to select "ENTRY GR?".

2 Press SET.



- You can also select a track number with PREVIEW ⏮, NEXT ⏭ or the number buttons. Refer to "Using the number buttons" (☞ page 17).

3 Press SET.



4 Press GROUP SKIP << or GROUP SKIP >> to select the group to which you want to add the track.

(Group 1 is selected in the example shown above)

5 Press SET.

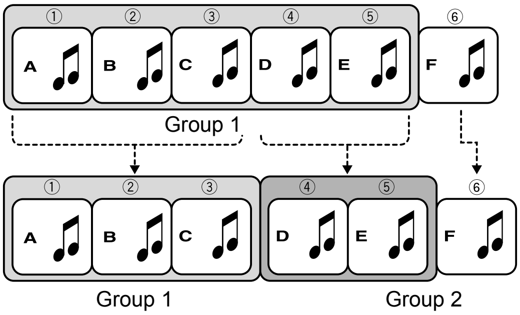
6 Press ENTER.

NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD GROUP TITLE/EDIT.
- 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)

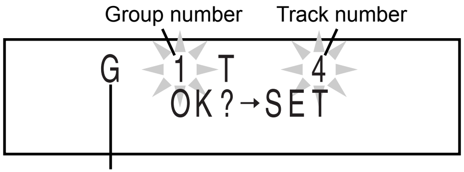
Example: Dividing group 1 into two groups



■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 MD GROUP TITLE/EDIT repeatedly to select "DIVIDE GR?".

2 Press SET.



"G" stands for "GROUP".

- You can also select a track number with PREVIOUS ⏮, NEXT ⏭ or the number buttons. Refer to "Using the number buttons" (☞ page 17).
- You can also select a group number with GROUP SKIP << or GROUP SKIP >>.

3 Press SET.

4 Press ENTER.

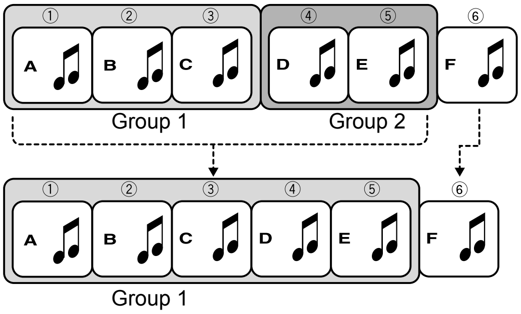
NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD GROUP TITLE/EDIT.
- 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.

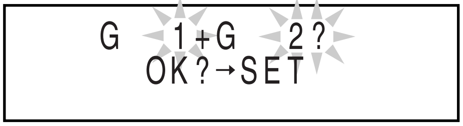
Example: Joining group 1 and group 2



■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

1 Press MD GROUP TITLE/EDIT ○ repeatedly to select "JOIN GR?".

2 Press SET ○.



G 1+G 2?
OK?→SET

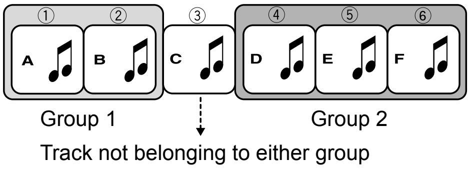
- Two adjacent group numbers appear. When no group is formed in the MD, "--" appears.
- You can also select a group number with GROUP SKIP << or GROUP SKIP >>.

3 Press SET ○.

4 Press ENTER.

NOTE

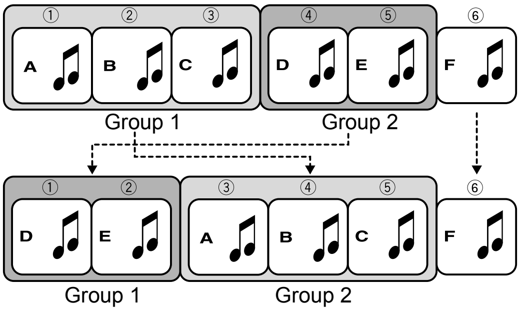
- During editing, you can return to the previous step by pressing CANCEL ○. You can quit the editing operation by pressing MD GROUP TITLE/EDIT ○.
- You cannot join two groups separated by a track not belonging to either group. "CANNOT JOIN" appears, and display returns to the previous step.



- 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)

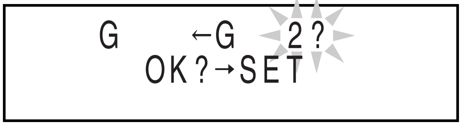
Example: Moving group 2



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

1 Press MD GROUP TITLE/EDIT ○ repeatedly to select "MOVE GR?".

2 Press SET ○.



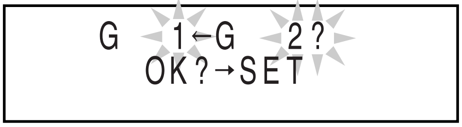
G ←G 2?
OK?→SET

- You can also select a group number with GROUP SKIP << or GROUP SKIP >>.

3 Press SET ○.

4 Press GROUP SKIP << or GROUP SKIP >> to select the group number to which you want to move the specified group.

(Group 1 is selected in the example shown above)



G 1←G 2?
OK?→SET

5 Press SET ○.

6 Press ENTER.

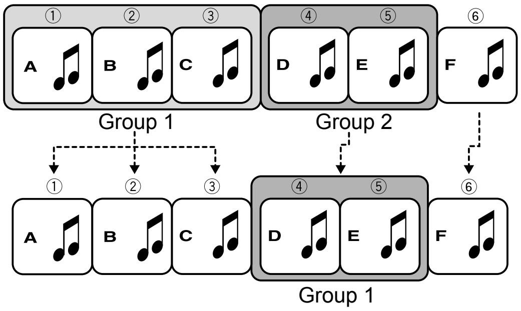
NOTE

- During editing, you can return to the previous step by pressing CANCEL ○. You can quit the editing operation by pressing MD GROUP TITLE/EDIT ○.

Canceling a Group (UNGROUP/UNGR ALL)

Canceling a specified group (UNGROUP)

Example: Canceling group 1

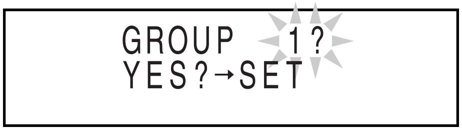


■While a track in the group you want to cancel (group 1 in the example shown above) is being played back

1 Press MD GROUP TITLE/EDIT repeatedly to select "UNGROUP?".

2 Press SET.

Example: When you want to cancel group 1


GROUP 1?
YES?→SET

- You can also select a group number with GROUP SKIP << or GROUP SKIP >>.

3 Press SET.

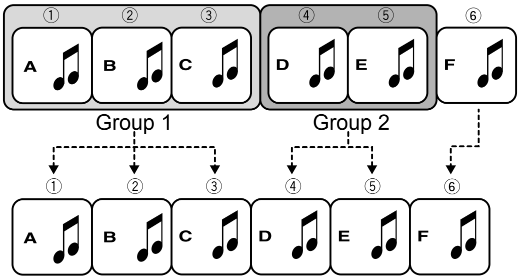
4 Press ENTER.

NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD GROUP TITLE/EDIT.

Canceling all groups (UNGR ALL)

Example: Canceling all groups



1 Press MD GROUP TITLE/EDIT repeatedly to select "UNGR ALL?".

- "UNGR" stands for "UNGROUP".

2 Press SET.

3 Press ENTER.

NOTE

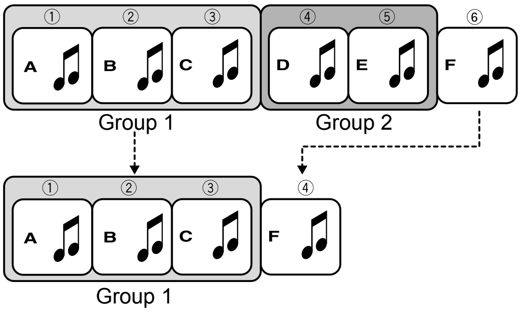
- You can quit the editing operation by pressing MD GROUP TITLE/EDIT.

For the locations of remote control buttons, refer to page 58.

Erasing a Group (ERASE GR)

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

Example: Erasing group 2



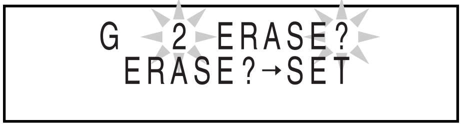
CAUTION

- 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 MD GROUP TITLE/EDIT repeatedly to select "ERASE GR?".

2 Press SET.



- You can also select a group number with GROUP SKIP << or GROUP SKIP >>.

3 Press SET.

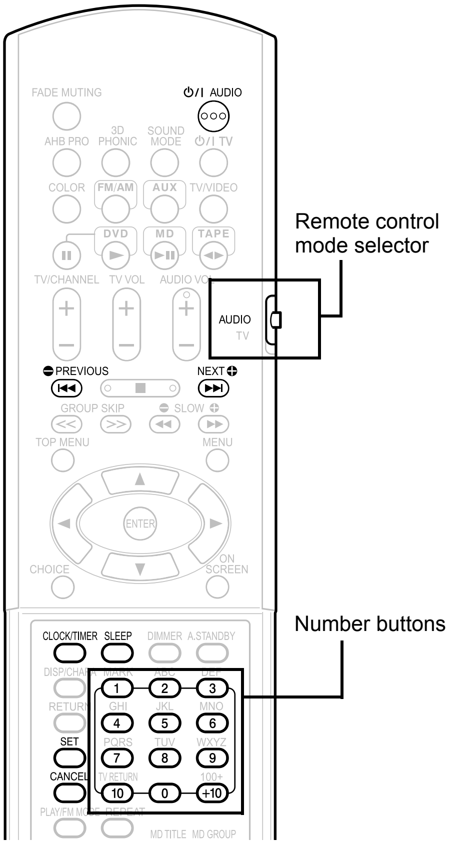
4 Confirm that you no longer need the tracks, and then press ENTER.

NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD GROUP TITLE/EDIT.

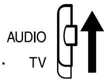
Using the Timers

Set the clock beforehand (☞ page 17).



NOTE

- Set the remote control mode selector to AUDIO before using the number buttons.



Sleep Timer

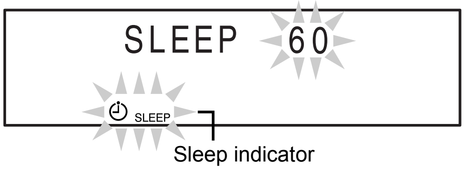
When the specified time passes, the main unit automatically turns off.

Press SLEEP.

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

→ 10 → 20 → 30 → 60 → 90 → 120 → 150 → Cancel (Sleep indicator disappears.) →

Example: Display while the sleep timer is set 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 SLEEP, "CLOCK ADJUST!" appears.

Changing the sleep timer setting

- Press SLEEP repeatedly to select the time again.

Confirming the sleep timer setting (remaining time)

- With the sleep timer activated, press SLEEP 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 70).

NOTE

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

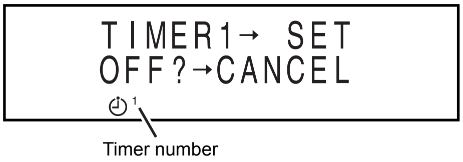
1 Prepare to record.

Radio	Preset the radio station whose broadcast you want to record. (☞ page 21)
Other equipment	Follow the operation manual for the equipment.
MD recording	Insert an MD. (☞ page 46)
Cassette tape recording	Insert a cassette tape. (☞ page 43)

(Continued on next page)

2 Press CLOCK/TIMER repeatedly to select "TIMER1", "TIMER2" or "TIMER3".

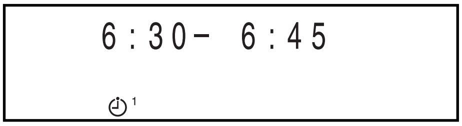
Example: When "TIMER1" is selected


TIMER1→ SET
OFF?→CANCEL

3 Press SET.

4 Press ⊖PREVIOUS ⏮, NEXT⊕ ⏭ or SET to set the starting time and ending time.

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


6:30- 6:45

- You can use the number buttons to set the recording time. Refer to "Using the number buttons" (☞ page 17).
- For setting the clock, refer to "Setting the Clock" (☞ page 17).

Entering the "hour" → SET → Entering the "minute" → SET

5 Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ to select "ONCE" or "EVERYDAY".

ONCE : The recording timer works once.

EVERYDAY : The recording timer works every day.

6 Press SET.

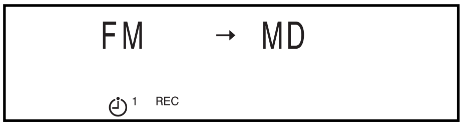
7 Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ to select "REC TIMER".

- "REC" stands for "Recording".

8 Press SET.

9 Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ to select the combination of a sound source and recording medium.

Example: To record an FM broadcast to an MD


FM → 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.
- "AUX-D" stands for "AUX-DIGITAL".

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

- Press SET, and then press ⊖PREVIOUS ⏮, NEXT⊕ ⏭ 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 17).

10 Press SET.

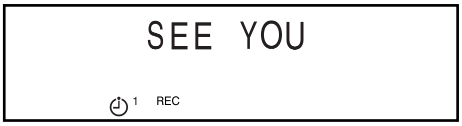
- When you use an MD as the recording medium, proceed to step 11.
- When you use a cassette tape as the recording medium, the settings appear in the display window. Confirm the settings, and then proceed to step 13.

11 Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ to select the MDLP mode (☞ page 51).

12 Press SET.

- The settings appear in the display window.

13 When the main unit is on, press ⏻/I AUDIO to turn off the main unit.


SEE YOU

- 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 CANCEL. You can quit the recording timer settings by pressing CLOCK/TIMER. 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 page 54)

Canceling the recording timer

In step 2 on page 69, select the timer number you want to cancel, and then press CANCEL.
Even when you cancel the recording timer, the setting remains stored.

Activating the recording timer again

In step 2 on page 69, select the timer number you want to activate, and then press SET 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.

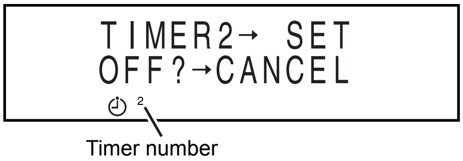
Playback Timer

1 Prepare the sound source you want to play back.

Disc	Make sure that a disc is loaded. (☞ page 22)
MD	Insert an MD. (☞ page 46)
Cassette tape	Insert a cassette tape. (☞ page 43)
Radio	Preset the radio station whose broadcast you want to listen to. (☞ page 21)
Other equipment	Follow the operation manual for the equipment.

2 Press CLOCK/TIMER repeatedly to select "TIMER1", "TIMER2" or "TIMER3".

Example: When "TIMER2" is selected

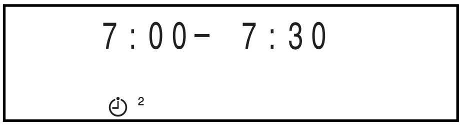


```
TIMER2→ SET
OFF?→CANCEL
```

3 Press SET.

4 Press ⊖PREVIOUS, NEXT⊕ or SET to 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.



```
7:00- 7:30
```

- You can use the number buttons to set the playback time. Refer to "Using the number buttons" (☞ page 17).
- For setting the clock, refer to "Setting the Clock" (☞ page 17).

Entering the "hour" → SET → Entering the "minute" → SET

5 Press ⊖PREVIOUS or NEXT⊕ to select "ONCE" or "EVERYDAY".

ONCE : The playback timer works once.
EVERYDAY : The playback timer works every day.

6 Press SET.

7 Press ⊖PREVIOUS or NEXT⊕ to select "PLAY TIMER".

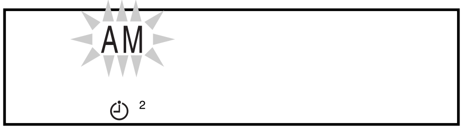
(Continued on next page)

For the locations of remote control buttons, refer to page 68.

8 Press SET.

9 Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ 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 disc or MD.

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

- (With "FM" or "AM" selected) Press SET, and then press ⊖PREVIOUS ⏮, NEXT⊕ ⏭ or the number buttons to select the preset number of the radio station whose broadcast you want to listen to (☞ page 21). Refer to "Using the number buttons" (☞ page 17).

■When you want to play back a DVD VIDEO or DVD AUDIO

- (With "DVD/CD" selected) Press SET twice. Regardless of the displayed numbers of group (G) and track (T), you can play back a DVD VIDEO or DVD AUDIO only from the beginning of the disc.

■When you want to play back a CD, VCD, SVCD or MD

- (With "DVD/CD" selected) Press SET twice, and then press ⊖PREVIOUS ⏮, NEXT⊕ ⏭ or the number buttons to select the number of a track (T) from which you want to start playback. Refer to "Using the number buttons" (☞ page 17). The group number (G) is ignored.

■When you want to specify a track from which you want to start playback on an MP3 or WMA

- (With "DVD/CD" selected) Press SET, press ⊖PREVIOUS ⏮, NEXT⊕ ⏭ or the number buttons to select the group number (G) to be played back, press SET, and then press ⊖PREVIOUS ⏮, NEXT⊕ ⏭ or the number buttons to select the track number (T) to be played back. Refer to "Using the number buttons" (☞ page 17).

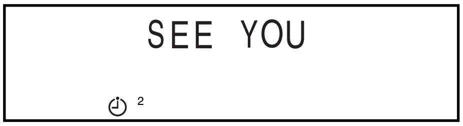
10 Press SET.

11 Press ⊖PREVIOUS ⏮ or NEXT⊕ ⏭ to adjust the playback volume.

12 Press SET.

- The settings appear in the display window.

13 When the main unit is turned on, press ⏻/I AUDIO to turn off the main unit.



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

NOTE

- During operation, you can return to the previous step by pressing CANCEL. You can quit the playback timer settings by pressing CLOCK/TIMER. 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 70, select the timer number you want to cancel, and then press CANCEL.
Even when you cancel the playback timer, the setting remains stored.

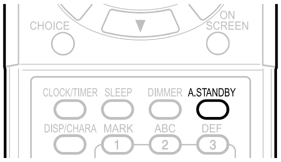
Activating the playback timer again

In step 2 on page 70, select the timer number you want to activate, and then press SET 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 you operate the playback timer with a DVD VIDEO, DVD AUDIO or VCD, sound and video may not be played back automatically. A DVD VIDEO, DVD AUDIO or VCD may contain a disc menu that appears first when played back. Sound or video will not come out before you select the desired item to be played back on the disc menu.

Auto Standby



If no sound is produced for 3 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 ⬭.

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

```
A. STANDBY
   SET
A.STANDBY
```

Auto standby indicator

Auto standby performance

While a disc, 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.
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" indicator starts to flash 20 seconds before the main unit is to turn off.

Canceling auto standby

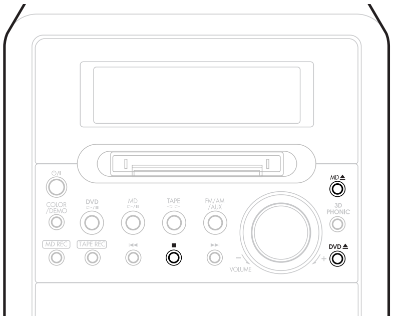
Press A.STANDBY ⬭ once again.

```
A. STANDBY
  CANCEL
```

NOTE

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

Disc/MD Ejection Lock



You can prohibit ejection of a disc and MD.

■When the main unit is turned off

While holding down ⏻, press DVD ⏏ on the main unit.

```
LOCKED
```

Even if you press DVD ⏏ or MD ⏏, "LOCKED" appears in the display window and the disc or MD does not come out.
In addition, when you press DVD ⏏ or MD ⏏, while the main unit is turned off, "LOCKED" appears in the display window and the main unit does not turn on.

Canceling the disc/MD ejection lock

■When the main unit is turned off

Carry out the operation explained above once again.

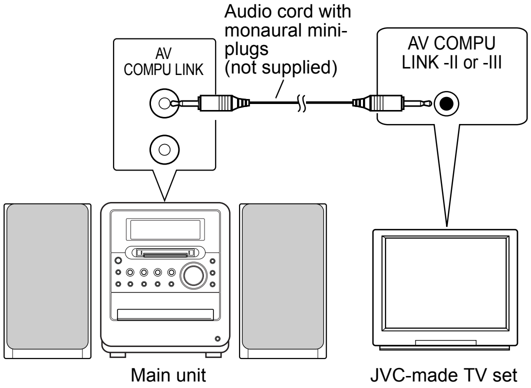
```
UNLOCKED
```

Using AV COMPU LINK

The JVC AV COMPU LINK system allows you to enjoy video or audio with the simplest operation. If your JVC TV set supports the JVC AV COMPU LINK system, simply starting the main unit will automatically make all necessary settings on the TV to allow you to enjoy the playback.

Connection and Setting

- Carefully read manuals of equipment to be connected.


Audio cord with monaural mini-plugs (not supplied)
AV COMPU LINK
AV COMPU LINK -II or -III
Main unit
JVC-made TV set

Set the main unit's AV COMPU LINK MODE setting (☞ page 40) as follows.

- When connecting to the VIDEO-1 input terminal of the TV: DVD 2
- When connecting to the VIDEO-2 input terminal of the TV: DVD 3
- When connecting to the VIDEO-3 input terminal of the TV: DVD 1

Operations

You can enjoy sound or video simply by starting playback on the main unit. You do not have to select the input setting for the TV, or turn on the TV beforehand.

1. **Turn on the main power to the TV.**
2. **Insert a disc into the main unit.**
3. **Press DVD ▶ on the main unit.**

   The following operation is performed automatically.

   - The TV set will be turned on.
   - TV input will be switched to external input (Video 1, 2 or 3) of the main unit.

   When you turn off the main unit, power to the TV is not turned off.

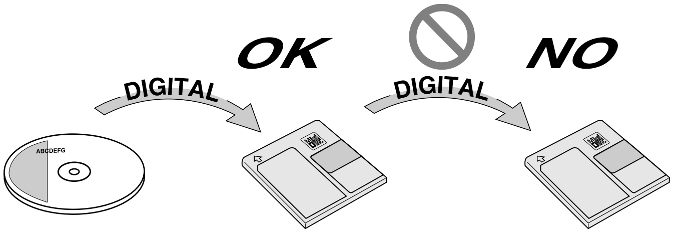
Restrictions on MDs

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 many 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 recorded into each blank. When the number of such split portions increases, "DISC FULL" may appear. When a split portion is 8 or less seconds (in SP mode (the standard stereo recording mode)), you cannot join the track with another track. In addition, when you erase such portions, remaining recordable time does not increase. With a track split into many portions, fast forward or fast reverse may produce intermittent sound dropouts. You cannot join tracks that have different MDLP modes (SP/LP2/LP4).
You cannot join tracks or groups.	
The remaining recordable time does not increase even after you have erased some tracks.	
Sound drops out intermittently during fast forward or fast reverse.	
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 blank of consecutive 12 or more seconds (in SP mode) on the MD. Actual recording time is shortened on an MD that contains many blanks.

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.

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 then permit you to use the high speed recording function to record the same track of the CD to an MD within 74 minutes of the start of the first recording.

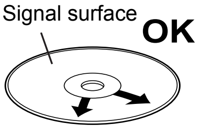
For instance, when you record the track 1 of a CD to an MD with the high speed recording function, you cannot record the track 1 again to an MD with the high speed recording function for 74 minutes after the first high speed recording started. In addition, you cannot record 101 or more tracks within 74 minutes with the high speed recording function.

Handling Discs/MDs/Cassette Tapes

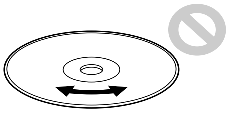
Handling discs

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

Cleaning discs



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

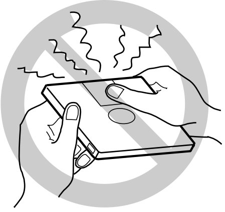


Scratches concentrated on a certain part cause sound dropout.

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

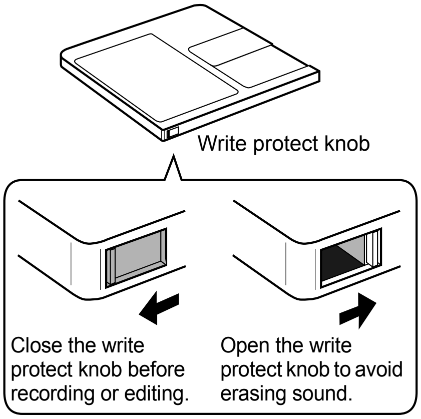
Handling MDs

- 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.



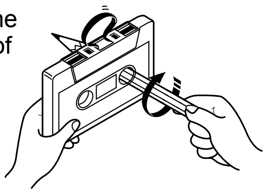
Close the write protect knob before recording or editing.

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.

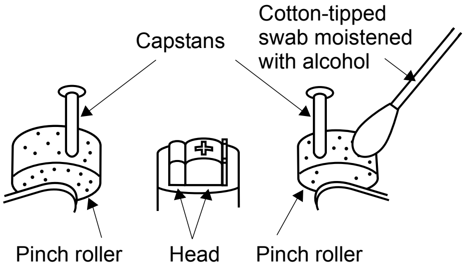
Handling cassette tapes



- 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



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/Disc Messages

MD message	Meaning	Possible solution
CANNOT ENTRY!	The track has already been in the selected group.	Select an appropriate track. (☞ page 64)
CANNOT FORM!	There is a group between the selected tracks.	Select appropriate tracks. (☞ page 63)
CANNOT GROUP!	There is no space for storing more group information. (Group information is stored in the same area as title information.)	You cannot form a group any more on the MD. (Erase the disc or track titles you do not need.)
CANNOT JOIN	You are trying to join tracks that have different MDLP modes (SP/LP2/LP4), or tracks of only 8 or less seconds (in SP 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 REC	You are trying to operate one-track-recording with a VCD or SVCD during PBC playback.	Set PBC to off (☞ page 24).
CANNOT TITLE	You are trying to enter a total of 1 793 or more characters to an MD.	You cannot enter more titles.
READ ERROR	The main unit cannot read the MD.	Turn off the main unit. If the same message appears again, the MD may be damaged. Replace the MD.
DISC FULL	There is no more space in the MD, or you are trying to record 255 or more tracks.	Replace the MD. (☞ page 74).
DISC PROTECTED	The MD is write-protected.	Close the write protect knob on the MD. (☞ page 75).
EMERGENCY STOP	A malfunction occurred during recording.	Press ■ to quit recording, press MD▲ to eject the MD, and then start recording again.
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 tracks that do not belong to any groups. (☞ page 63)
LOAD ERROR	The MD is not properly loaded.	Insert the MD properly.
MD NO DISC	No MD is loaded.	–
NON-AUDIO CANNOT COPY	You are trying to record digital sound other than linear PCM from the connected equipment to an MD.	Set digital output to linear PCM on the connected digital equipment. (Refer to the instruction manual for the connected equipment for details.)
PLAYBACK DISC	You are trying to edit or 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.	Operate analog recording at normal speed. (☞ page 53)
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 by equipment other than this product.	Edit the tracks with 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 the same track with the high speed recording function.	Wait 74 minutes, or change from high speed recording to normal speed recording.
BLANK DISC	There are no tracks in the MD.	–

Disc message	Meaning	Possible solution
CANNOT PLAY	You are trying to play back an unplayable disc or a disc that has many scratches.	Replace the disc.
NO DISC	No disc is loaded.	–
NO AUDIO	The disc may be an illegally copied disc.	You cannot listen to the disc.
LR ONLY	You are playing back a multi-channel track for which down-mix is prohibited.	This is normal operation.

Troubleshooting

Problem	Possible cause	Possible solution	Reference page
No sound/video is produced.	Improper connection.	Connect all cords properly.	11
	Headphones are connected.	Disconnect the headphone plug.	8
The clock display is flashing.	A power failure occurred or the power plug was disconnected.	Reset the clock.	17
Disc playback does not start.	The disc is upside down.	Place the disc on the disc tray with the letter-printed surface facing up.	22
	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.	3
A certain point cannot be played back properly.	The disc is scratched or dirty.	Clean or replace the disc.	75
	An error occurred on the MD.	Record to the MD again.	51
The volume of cassette tape playback is low.	The head or capstans are dirty.	Clean the head or capstans.	75
You cannot record an MD/cassette tape.	The MD/cassette tape is write-protected.	Cancel the write-protection.	55, 75
A radio broadcast cannot be received.	No antenna is connected.	Connect an antenna.	11
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.	3
You cannot set the timer.	You did not set the clock.	Set the clock.	17
The timer does not work.	The main unit is turned on.	After setting the timer, turn off the main unit.	69, 71
You cannot operate the remote control.	The remote control batteries are running low.	Replace the batteries with new batteries.	9
You cannot operate the main unit with the number buttons on the remote control.	The remote control mode selector on the remote control is set to TV.	Set the remote control mode selector to AUDIO.	17
When you turn on the main unit, a noise comes out from the rear of the main unit.	The internal cooling fan produces the noise as it rotates.	The noise is not a malfunction. This is to prevent excessive heat.	13, 18

- **If this product does not function properly even after you have implemented the possible solutions given above**
  Many functions of this product are implemented by microcomputers. If malfunction is caused by thunder or static electricity, or the main unit does not function properly even when you press a button, disconnect the power plug from the AC outlet, wait for a while, and then connect this product again. Then reset the clock.

Specifications

■MD/DVD receiver (CA-UXQD7)

Amplifier

Output power	20 W + 20 W at 4 Ω (10% THD)
Input terminals	
<Analog>	AUX×1, 500 mV/47 kΩ:LEVEL1 250 mV/47 kΩ:LEVEL2
<Digital>	Digital optical input × 1 -23 dBm to -15 dBm (Optical square terminal) (Compatible with frequency of 32 kHz, 44.1 kHz and 48 kHz)
Output terminals	
<Analog>	Speaker×1, 20 W/4 Ω Impedance 4 Ω - 16 Ω Headphone (×1), 25 mW/32 Ω Impedance 16 Ω - 1 kΩ
<Digital>	DVD/CD optical input × 1 -23 dBm to -15 dBm (Optical square terminal)
<Other>	AV COMPU LINK × 2 (ϕ 3.5)

Tuner

Frequency	FM:87.50 MHz - 108.00 MHz AM:531 kHz - 1 710 kHz (9 kHz spacing) 530 kHz - 1 710 kHz (10 kHz spacing)

DVD player

Playable discs	DVD VIDEO, DVD AUDIO, CD, VCD, SVCD, CD-R/CD-RW (CD, VCD, SVCD, MP3/WMA/JPEG format), DVD-R/DVD-RW (video format)

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 source	AC 220 V∿, 50 Hz
Power consumption	70 W (at operation) 1.3 W (on standby)
Dimensions	165 mm (W) × 200 mm (H) × 355 mm (D)
Mass (approx.)	5.1 kg

■Speaker (SP-UXQD6)

System	3-way bass reflex type, Magnetically shielded type
Speakers	Woofer: 10 cm × 1 Midrange: 4 cm × 1 Tweeter: 1.5 cm × 1
Power handling capacity	20 W
Impedance	4 Ω
Frequency range	58 Hz - 40 kHz
Sound pressure level	85 dB/W•m
Dimensions	135 mm (W) × 200.5 mm (H) × 211.5 mm (D)
Mass (approx.)	2.0 kg (1 unit)

■Micro component MD system (UX-QD7)

General

Dimensions	435 mm (W) × 200.5 mm (H) × 355 mm (D)
Mass (approx.)	9.1 kg

- U.S. and foreign patents licensed from Dolby Laboratories.

目录

常用 标记表示经常使用的操作。仅需阅读这些部分即可快速掌握本产品的常规使用。

简介

准备

基本操作

聆听广播

聆听光盘

聆听磁带

聆听其他设备

聆听 MD

录音

编辑 MD

易用功能

参考

操作须知

本机的适当放置

为减少维修并保持本产品的高品质，请勿将本机放置于下列地方：

- 高湿度或多尘的地方
- 不平稳的表面
- 靠近热源
- 靠近电脑、荧光灯或其他电器
- 通风不足的狭小房间
- 阳光直射的地方
- 极冷的地方
- 强烈震动的地方
- 靠近电视机、其他放大器或调谐器
- 靠近磁源

注 意

- 本产品的操作温度为 5°C 到 35°C。在该温度范围之外使用可能导致本产品故障或损坏。

结露

在下列情况下，由于本机的镜头上形成结露，可能导致无法正确操作本产品：

- 刚刚打开空调加热房间时
- 将本机放置于高湿度地方时
- 将本机从冷的地方搬到暖的地方时

结露形成时，请将本机电源打开，等待 1 至 2 小时，然后操作本机。

清洁本机

操作面板变脏时，请使用柔软、干燥的布掸去灰尘。操作面板非常脏时，请使用由少量中性洗涤剂润湿的布擦拭操作面板，然后用柔软、干燥的布擦拭。

注 意

- 请勿使用稀释剂、苯或其他化学试剂擦拭操作面板。请勿将杀虫剂喷洒到操作面板上。否则，可能导致褪色和表面的损坏。

聆听规则

使用耳机时，请将音量保持适当，避免过度刺激您的耳朵。

■通过扬声器欣赏声音时，请将音量调节到合适大小，避免打扰您的邻居。
即使低音量也会传得很远，尤其是在夜晚。请关闭窗户或使用耳机，避免打扰您的邻居。

- 经 Dolby Laboratories 授权制造。“Dolby”、“MLP Lossless”和双 D 标志是 Dolby Laboratories 的商标。
- “DTS”和 “DTS 2.0+DIGITAL OUT”是 Digital Theater Systems, Inc. 的注册商标。
- 本产品的防止拷贝技术属 Macrovision Corporation 和其他权利所有者所有，并受美国专利法和其他知识产权保护法的保护。任何使用本技术的行为必须经过 Macrovision Corporation 批准，未经 Macrovision Corporation 特别批准时，不可用于家用或其他私用之外的目的。使用本机时不可进行违规操作或分解。

可供播放的光盘类型

本产品设计用于播放下列光盘：
DVD 视频， DVD 音频， VCD, SVCD, CD
本产品也可播放下列光盘：

- 以 DVD 视频格式终结录制的 DVD-R/RW 光盘。
- 以下列格式录制的 CD-R/RW 光盘

– 音乐 CD （终结录制）
– VCD
– SVCD
– 依照 ISO 9660 标准录制的 MP3/WMA/JPEG 光盘
（有关详情，请参阅 “有关 MP3/WMA/JPEG 光盘” ）

但是，某些光盘因其特性、录制条件或光盘损坏、染污而无法播放。
下列光盘只能播放声音：

MIX-MODE CD	CD-G
CD-EXTRA	CD TEXT

您可以播放的光盘：

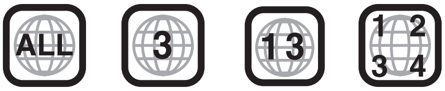
光盘类型	标记（图标）	视频格式	地区代码编号 *
DVD 视频	DVD VIDEO DVD VIDEO	PAL/ NTSC	3/ALL
DVD 音频	DVD AUDIO/VIDEO DVD AUDIO	—	—
VCD	COMPACT disc DIGITAL VIDEO Video CD	PAL/ NTSC	—
SVCD	COMPACT disc SUPER VIDEO VIDEO CD	PAL/ NTSC	—
CD	COMPACT disc DIGITAL AUDIO	—	—
CD-R	COMPACT disc DIGITAL AUDIO Recordable	—	—
CD-RW	COMPACT disc DIGITAL AUDIO ReWritable	—	—

DVD 图标是 DVD Format/Logo Licensing Corporation 的商标。

*** 有关地区代码的说明**

DVD 播放机和 DVD 视频光盘均有各自的地区代码编号。本产品只能播放使用上述地区代码编号和视频格式录制的 DVD 视频。

例如：



如果装载了地区代码编号不正确的 DVD 视频光盘，“区域代码错误 ！” 会出现在电视机屏幕上，并且无法播放光盘。

- **对于某些 DVD 视频、DVD 音频、VCD 或 SVCD 光盘，它们实际的操作可能与本说明书中的说明有所不同。这是由于光盘编程和结构的原因，并非产品出现故障。**

关于 CD-R/CD-RW

仅当光盘已经终结时，才可以播放 CD-R/CD-RW。

- 可以播放以音频 CD 格式录制的 CD-R/CD-RW 和录制视频数据 (MP3/WMA) 或静止图像数据 (JPEG) 的 CD-R/CD-RW。
  但是，由于光盘特性、录制条件、光盘上的擦伤或污垢、镜头上的污垢或结露等原因，某些情况下可能无法播放。
- 使用 CD-R/CD-RW 之前，请仔细阅读有关光盘的注意事项。
- 本产品不支持声音文件（如 MP3）的播放或 CD 文本显示。
- 在本产品上播放 CD-RW 时，如果 CD-RW 以其他音频 CD 格式录制，则请清除所有曲目。使用未清除所有曲目的 CD-RW 时，可能会由于突然的高音量导致扬声器或其他部件损坏。

无法播放的光盘

- 下列光盘无法播放：
  DVD-ROM, DVD-RAM, DVD-RW （VR 格式录制）， CD-ROM, CD-I (CD-I Ready)，相片 CD, SACD 等。
  播放这些光盘会产生噪声和损坏扬声器。
- 损坏的光盘和特殊形状的光盘 （除直径为 12 cm 或 8 cm 的光盘外）无法播放。
- JVC 并不保证未经 CD-DA（一种 CD 规格）授权的光盘的操作和音质。
  播放之前，请检查标记和阅读包装上印刷的注意事项确认光盘符合该 CD 规格。

有关 MP3/WMA/JPEG 光盘

可播放的 MP3/WMA/JPEG 光盘和文件

- 可播放 ISO 9660 格式录制的光盘（“包写入”格式（UDF 格式）录制的光盘除外）。
- 也可播放多重区段格式录制的光盘。
- 可播放以 “.mp3”、“.wma”、“.jpg” 或 “.jpeg” 扩展名（大小写字母混用也可）结尾的文件。

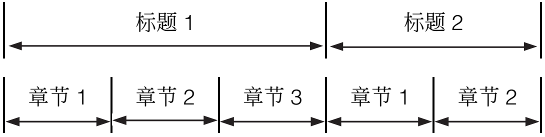
有关 MP3/WMA/JPEG 光盘和文件的说明

- 光盘可能无法播放，或因录制条件或特性而需要花较长时间读取。
- 读取时间因录制在光盘上的群组数或曲目（文件）数而不同。
- 如果在 MP3/WMA/JPEG 文件名中使用除单字节英语字符之外的字符，曲目 / 文件名称将无法正确显示。
- MP3/WMA 控制屏幕上显示的曲目/群组顺序以及 JPEG 控制屏幕上显示的文件/群组顺序可能与显示在 PC 显示器屏幕上的文件/文件夹顺序不同。
- 对于 MP3/WMA 光盘，由于群组/曲目以字母顺序显示，当前 MP3/WMA 光盘的播放顺序可能与光盘标签上指示的顺序不同。
- 播放含有静止图像的 MP3/WMA 文件可能需要更多的时间。消逝的时间从播放开始时显示。如果播放开始，消逝的时间可能无法正确显示。
- 对于 MP3/WMA 文件，推荐取样率为 44.1 kHz、数据传输率为 128 kbps 的光盘。
- 本产品不兼容 MP3i 或 MP3PRO。
- 本产品可以播放基线 JPEG 文件，不包括单色 JPEG 文件。
- 本产品可以播放遵循 DCF (Design Rule for Camera File System) 标准拍摄的 JPEG 数据（运用诸如数码相机的自动翻转功能时，数据超出 DCF 标准，因而无法显示图像）。
- 如果数据已经 PC 图像编辑软件处理、编辑和存储，数据可能无法显示。
- 本产品无法播放诸如 MOTION JPEG 的动画图像、除 JPEG 以外的静止图像（TIFF 等）和带有声音的图像数据。
- 推荐 JPEG 文件使用 640 × 480 像素的分辨率。如果文件以超过 640 × 480 像素的分辨率录制，显示可能花费较长的时间。超过 8 192 × 7 680 像素分辨率的图像无法显示。
- 无法播放录制在 DVD-R/RW 光盘上的文件。

光盘结构

DVD 视频

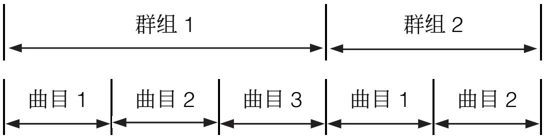
DVD 视频光盘由 “标题” 组成并且每个标题可能分为 “章节”。



DVD 音频

DVD 音频光盘由 “群组” 组成并且每个群组可能分为 “曲目”。

某些光盘包含 “赠送群组”，需要密码才能播放（☞第 31 页）。



VCD/SVCD/CD

VCD、SVCD 和 CD 由 “曲目” 组成。

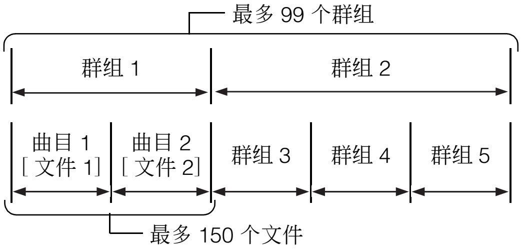
一般来说，每个曲目均有各自的曲目号。（在有些光盘上，每个曲目可能进一步分成若干个索引。）

曲目 1
曲目 2
曲目 3
曲目 4
曲目 5

MP3/WMA[JPEG] 光盘

在 MP3/WMA[JPEG] 光盘上，每张静止图像（素材）以曲目 [文件] 录制。曲目 [文件] 通常被组合成一个文件夹。文件夹可包含其他文件夹，并产生分层结构。

本机简化光盘分层结构并且以 “群组” 的方式管理文件夹。

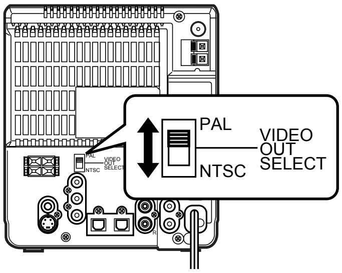


本产品可以识别单张光盘最多 1 000 首曲目 [文件]。另外，本产品可以识别每个群组最多 150 首曲目 [文件] 以及每张光盘最多 99 个群组。由于本机忽略超过 150 的曲目 [文件] 号和超过 99 的群组号，这些曲目 [文件] 和群组无法播放。

- 如果光盘中存在除 MP3/WMA[JPEG] 文件外的某种类型的文件，这些曲目 [文件] 也将计入文件总数。

选择彩色制式

本产品兼容 PAL 和 NTSC 彩色制式。
待机模式时，选择 PAL 或 NTSC 匹配您的电视机。
如果在电源打开时对 VIDEO OUT SELECT 开关进行了切换，请关闭电源，然后再次打开。



电视机彩色制式	VIDEO OUT SELECT
彩色制式	PAL 或 NTSC*
PAL	PAL
NTSC	NTSC

* 设定本机和电视机的彩色制式匹配播放光盘。

- 播放光盘前，根据您电视机的宽高比在图像菜单中选择正确的屏幕类型（☞第 39 页）。

注

- 如果在该设置设为 “PAL” 时播放 NTSC 光盘，虽然可以观看播放的图像（使用 “PAL 60” 制式再现该光盘），但是，电视机屏幕快速向上和向下回滚。

注

- 如果在该设置设为 “NTSC” 时播放 PAL 光盘，虽然可以观看播放的图像，但是可能出现下列现象。
  - 光盘菜单上的项目变模糊，在高亮时显得有些移位。
  - 图像的宽高比可能与原来的宽高比不同。
  - 图像移动不平滑。

特别注意事项

使用须知

■重要注意事项

系统安装

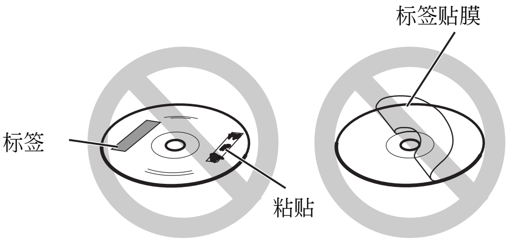
- 选择平稳、干燥、温度适中的地方进行安装－介于 5°C 和 35°C 之间。
- 在本系统和电视机之间保持足够的距离。
- 请勿在易受震动的地方使用本系统。

电源线

- 请勿用湿手握持电源线！
- 电源线连接到墙上插座时，总会消耗少量的电量。
- 从墙上插座断开电源线时，请拔插头而不是拔电源线。

为了避免系统出现故障

- 使用者不可以自行维修内部部件。如果出现故障，请拔出电源线并联络您的经销商。
- 请勿将任何金属物体插入系统。
- 请勿使用市售的任何非标准形状的光盘（如心形、花形或信用卡形等），否则可能损坏系统。
- 请勿使用粘有胶带、标签或粘贴的光盘，否则可能损坏系统。



有关版权法的说明

从 CD 上录制之前，请查看您所在国家的版权法。录制有版权的材料可能会侵犯版权法。

■安全注意事项

避免潮湿、水和灰尘

不要将本系统放在潮湿或充满灰尘的地方。

避免高温

请勿将本系统暴露于直射阳光和将本系统放置于加热设备旁边。

当您出门时

当您要出门旅行或者由于其他原因需要较长时间外出时，请将电源线插头从墙上插座拔出。

请勿堵塞通风口

堵塞通风口可能会损坏系统。

机壳的保养

清洁系统时，请使用软布并遵循使用化学涂层软布的有关指示说明。请勿使用苯、稀释剂或其他有机溶剂，包括杀毒剂。否则，可能会导致变形或褪色。

如果有水进入系统

关闭系统，将电源线插头从墙上插座拔出，然后联络您购买本系统的商店。在这种情况下使用本系统可能会引起火灾或触电。

■结露或水滴黏附在镜头上时

下列任何情况中，结露或水滴可能黏附在镜头上，导致系统工作不正常：

- 房间加热开始后
- 系统安装在蒸汽多或潮湿的地方时
- 系统突然从冷的地方搬到暖的地方时

在上述情况情况下，请在使用前将系统电源打开，放置 1 至 2 个小时。

随机附件

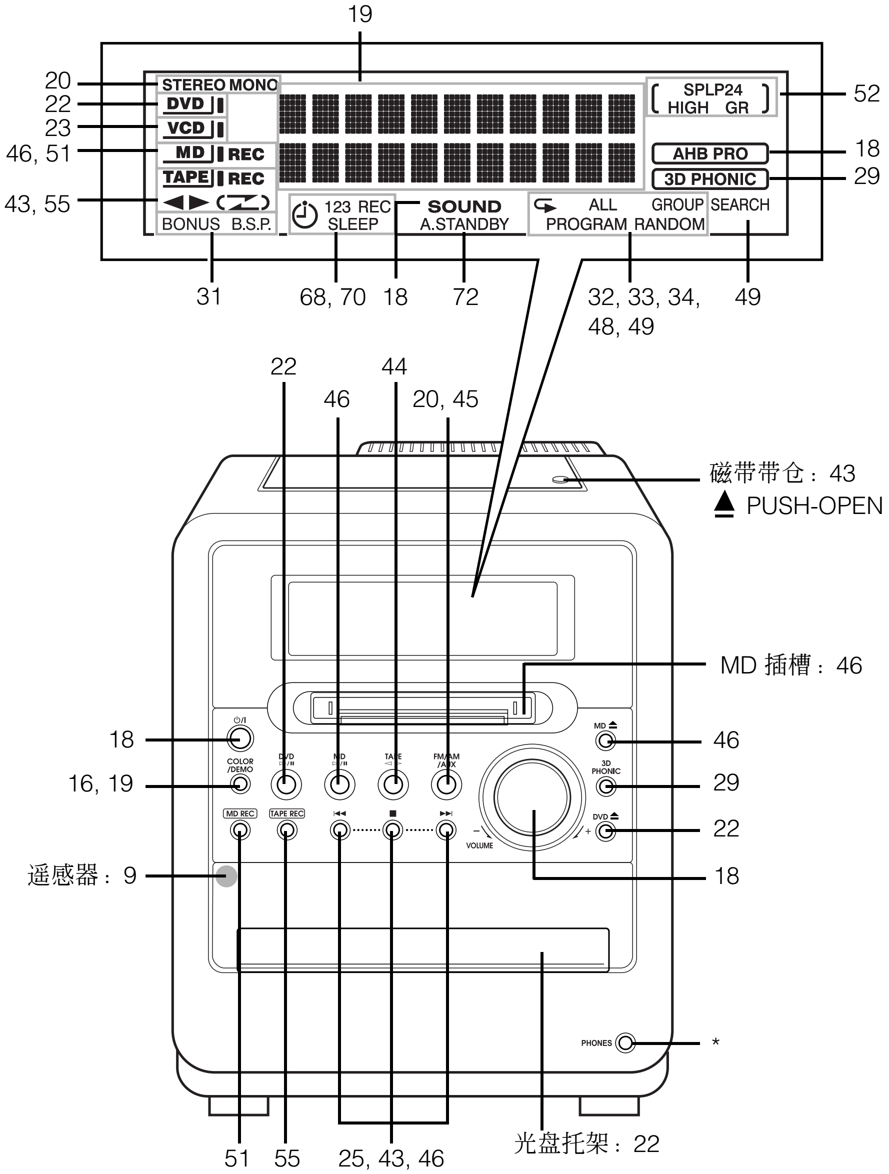
请查看以确保您拥有所有随机附件。
括号内的数字是这些附件的数量。如果缺少任何附件，请立刻和您的经销商联系。

遥控器 (1)
电池 (2)
FM 天线 (1)
AM 环形天线 (1)
视频导线 (1)

- 本产品的防止拷贝技术属 Macrovision Corporation 和其他权利所有者所有，并受美国专利法和其他知识产权保护法的保护。任何使用本技术的行为必须经过 Macrovision Corporation 批准，未经 Macrovision Corporation 特别批准时，不可用于家用或其他私用之外的目的。使用本机时不可进行违规操作或分解。

部件说明

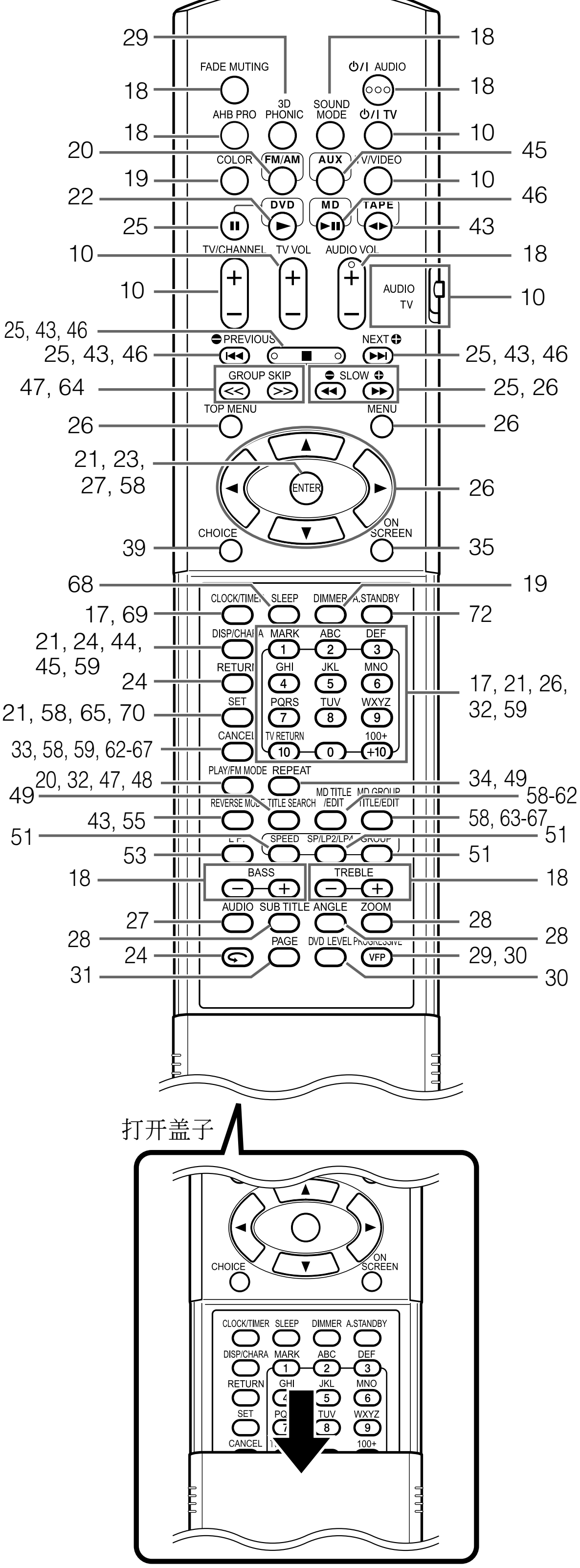
数字代表说明该部件的页码。



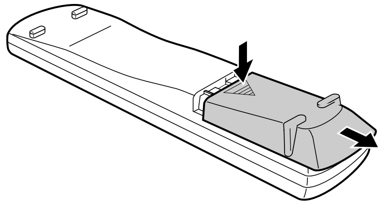
* 本端子用于连接一对配备立体声微型插头的耳机 （未提供）。连接耳机时，扬声器不会产生任何声音。

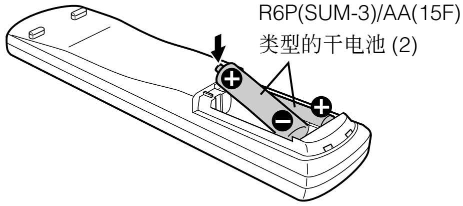
遥控器

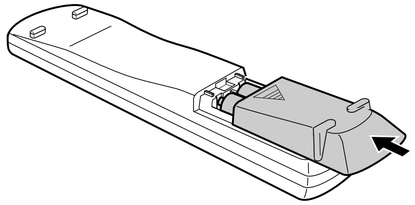
数字代表说明该部件的页码。



将电池插入遥控器







注 意

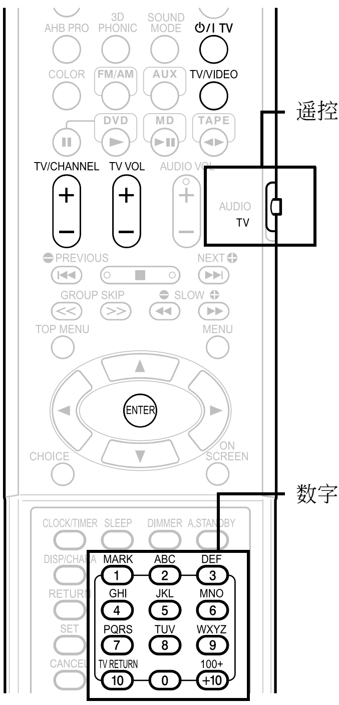
- 请勿混用新旧电池。
- 请勿同时使用不同类型的电池。
- 如果遥控器长时间不用，请取出电池。否则电池可能漏液。

遥控器操作

- 操作遥控器时，请将其对准本机的前面板。
- 遥控器和本机上的遥感器之间的有效距离最大约 5 m。
- 有效距离减小时，请更换电池。
- 请勿跌落遥控器或使其受到过度震动。

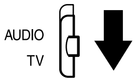
本页介绍使用本产品的遥控器操作您的电视机。

使用遥控器操作电视机



设置厂商代码

1 将遥控模式选择器滑至 TV 侧。



2 按住 ⏻/I TV ○。

注

- 按住 ⏻/I TV ○ 直到步骤 4 完成。

3 按 ENTER，然后松开。

4 按数字键 (1-9, 0)。

例如：

对于 Hitachi 电视机：按 1，然后按 0。

对于 Toshiba 电视机：按 0，然后按 8。

如果存在两个或以上的厂商代码，依次尝试，然后选择能使本产品正确工作的厂商代码。

厂商	代码	厂商	代码
JVC	01	Samsung	12
Hitachi	10	Sanyo	13
Magnavox	02	Sharp	06
Mitsubishi	03	Sony	07
Panasonic	04, 11	Toshiba	08
Philips	14	Zenith	09
RCA	05		

5 松开 ⏻/I TV ○。

注

- 厂商代码如有变更，恕不另行通知。可能无法操作由上述厂商制造的电视机。

对于电视机操作

将遥控器指向电视机进行操作。

⏻/I TV ○	打开 / 关闭电源。
TV/CHANNEL + –	改变频道。
TV VOL + –	调节音量。
MARK 1 - WXYZ 9 / 0 / 100+ +10	AUDIO TV ⬇ *1 选择频道。
TV RETURN 10	在先前所选的频道和当前频道之间更改。
TV/VIDEO ○	在电视和视频输入之间更改。

*1 请确保先将遥控模式选择器滑至 TV 侧。

注

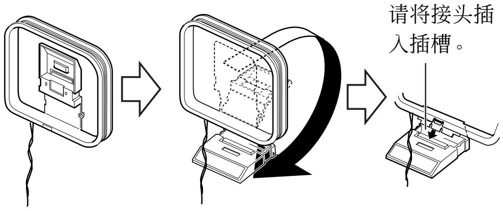
- 更换电池后，请重新进行厂商代码设置。

连接

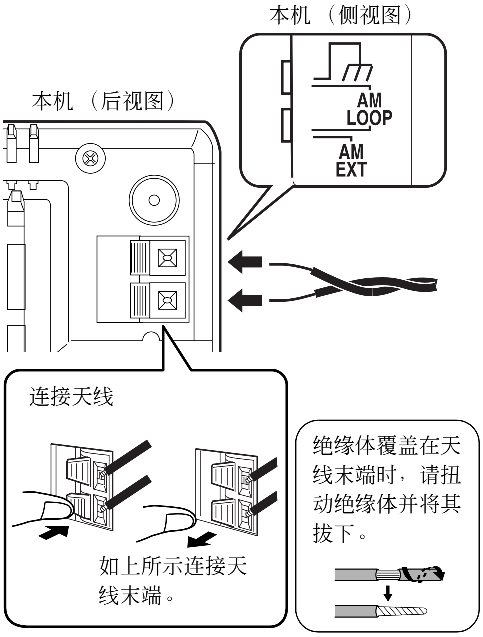
连接天线

连接 AM 天线

1　安装 AM 天线（随机附件）。



2　连接天线。

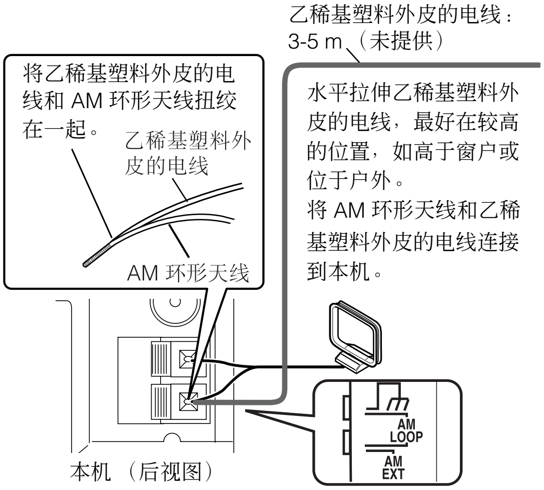


3　将 AM 环形天线转向能获得最佳收听效果的位置。

将 AM 环形天线尽可能安装在离本机较远的位置。

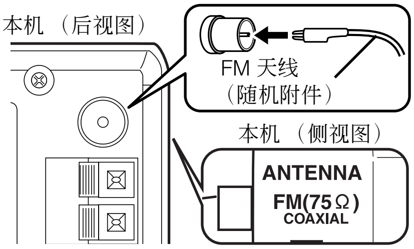
- 请勿将 AM 环形天线安装在金属台面上或靠近电视机、电脑或其他电器的地方。否则，可能影响收听效果。

■使用随机提供的 AM 环形天线时，如果收听广播的效果较差

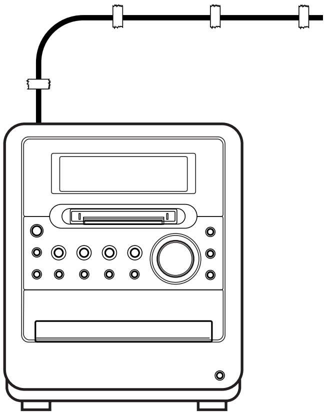

乙稀基塑料外皮的电线：3-5 m（未提供）
将乙稀基塑料外皮的电线和 AM 环形天线扭绞在一起。
乙稀基塑料外皮的电线
AM 环形天线
水平拉伸乙稀基塑料外皮的电线，最好在较高的位置，如高于窗户或位于户外。
将 AM 环形天线和乙稀基塑料外皮的电线连接到本机。
本机（后视图）
AM LOOP
AM EXT

请在收听实际的电台节目时定位天线，寻找收听的最佳位置（请参阅“聆听广播”（☞第 20 页））。

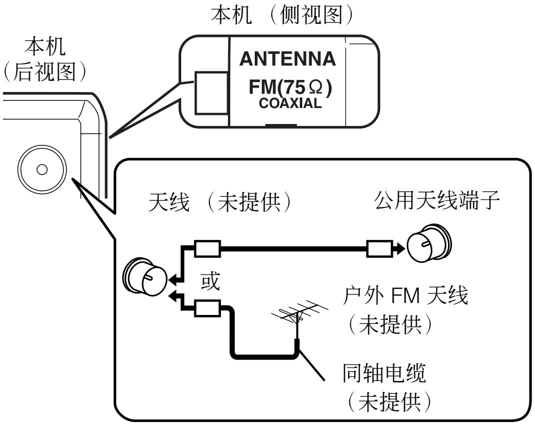
连接 FM 天线



将 FM 天线拉伸到收听电台的最佳位置，然后用胶带将其固定。



■使用随机提供的 FM 天线时，如果收听广播效果较差，或者使用公用天线时

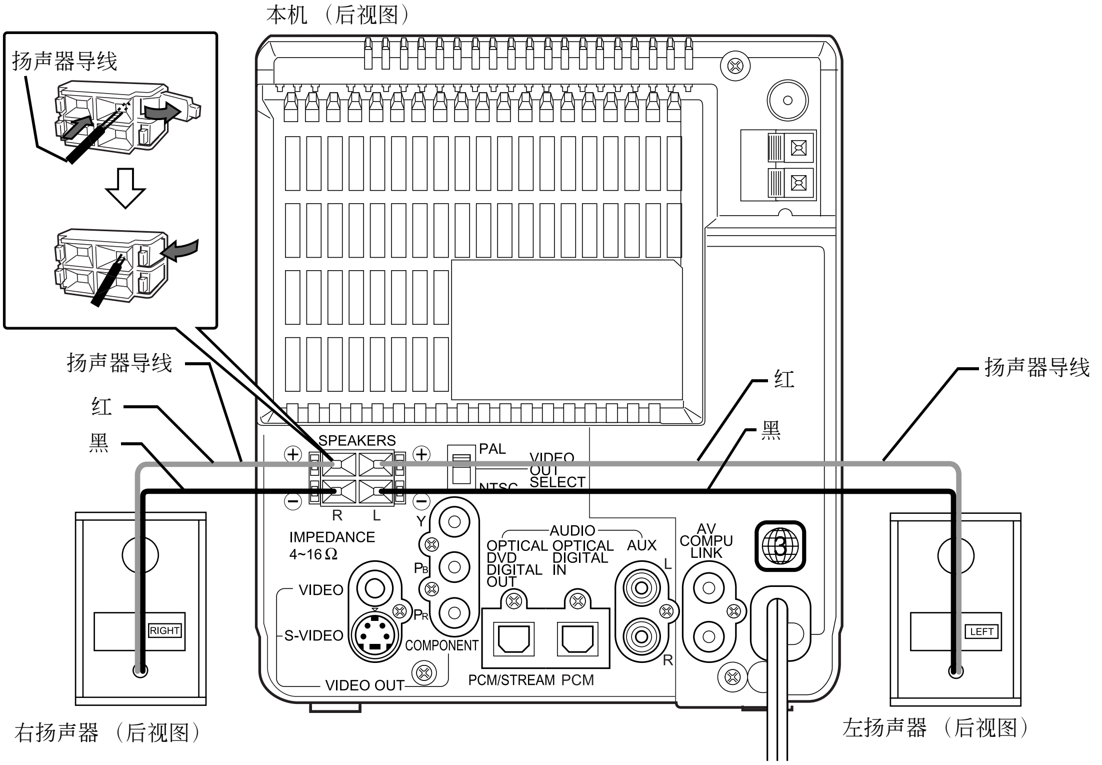


使用随机提供天线以外的天线时，请参阅天线的操作说明书，获取连接的详情。

请在收听实际的电台节目时定位天线，寻找收听的最佳位置（请参阅“聆听广播”（☞第 20 页））。

连接扬声器

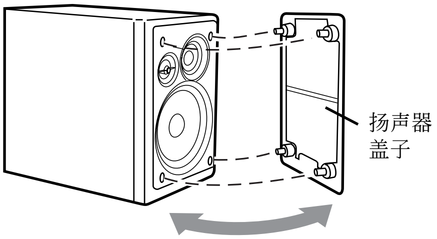
连接扬声器后，轻拉扬声器导线，确保导线牢固地连接，避免将其拉出。



注 意

- 请勿将⊕和⊖扬声器端子短路。否则，可能损坏扬声器。
- 请勿将其他扬声器连接到随机提供的扬声器。阻抗的改变可能损坏本机和扬声器。
- 本产品的扬声器是防磁化的，但是根据扬声器安装的位置可能会在电视上产生颜色彩不规则性。请牢记下列情形：
  1. 安装扬声器之前请关闭电视机的主电源。再次打开电视机之前请等待 30 分钟。
  2. 如果图像产生色彩不规则性，请在电视机和扬声器之间空出 10 cm。

可以取下扬声器盖子。

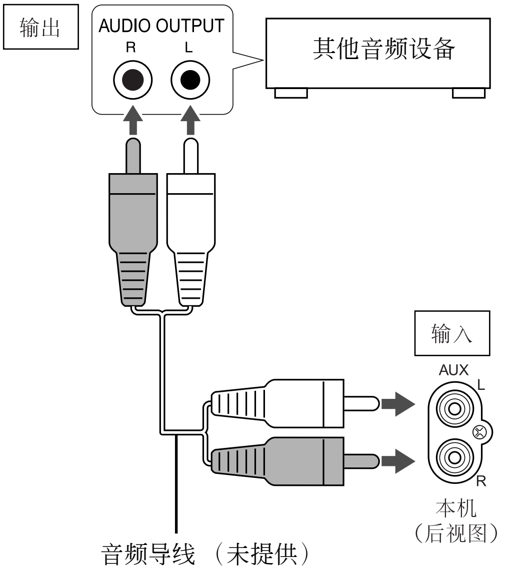


注

- 扬声器导线连接不当会影响立体声效果和音质。
- 连接到本产品的扬声器的阻抗必须处于 4 Ω 到 16 Ω 的范围内。
- 本机内置冷却风扇，用于排出产生的热量。内部冷却风扇自动旋转并停止。为确保有效冷却，请在本机和扬声器或其他物体之间预留多于 1 cm 的空间。

连接其他设备

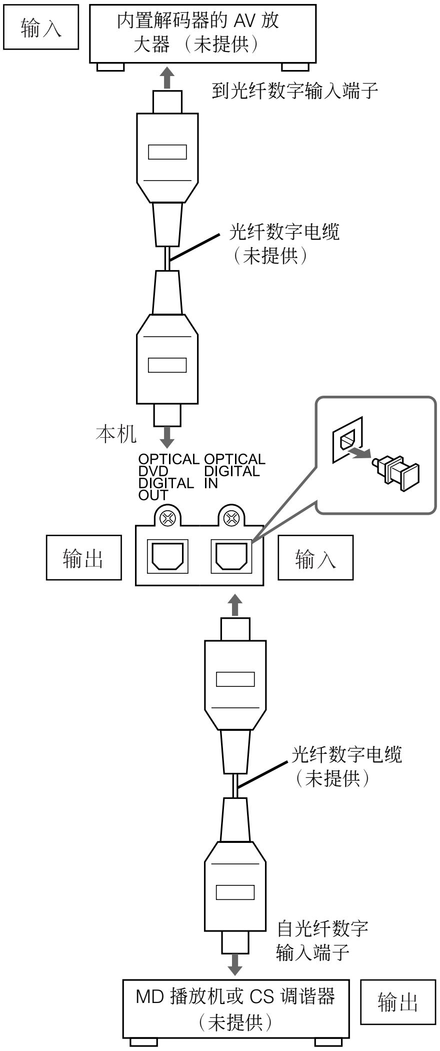
将其他音频设备连接到本产品时，请阅读本节。



注 意

- 连接其他设备之前，请关闭本机和设备。

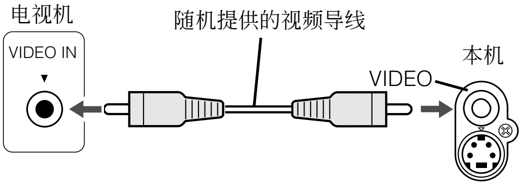
连接数码设备



注 意

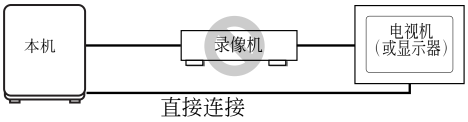
- 有关输出信号的详情，请参阅第 40 页。
- 如果将本机连接到具有杜比数码解码器功能的设备，对于本机数字音频输出的声音，“音频”（☞第 40 页）下 “动态范围控制”的设置无效。

连接电视机



注意

- 不通过录像机，直接连接本机和电视机（或显示器）。否则，播放时可能产生图像失真。（此类图像失真是由复制保护系统所导致，并非故障。）



另外，如果本机连接到内置录像机的电视机时，播放时可能出现图像失真。

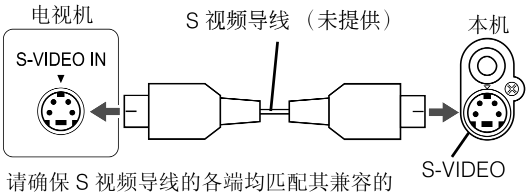
注

- 请检查本机后面板上的 VIDEO OUT SELECT (PAL/NTSC) 设置和您的电视机彩色制式是否相同。（☞第 6 页）
  根据您的电视机的宽高比正确设置“图像”菜单中的“屏幕类型”。（☞第 39 页）

需要更为清晰的图像时

使用下列导线代替随机提供的视频导线您可以享受更好质量的图像。

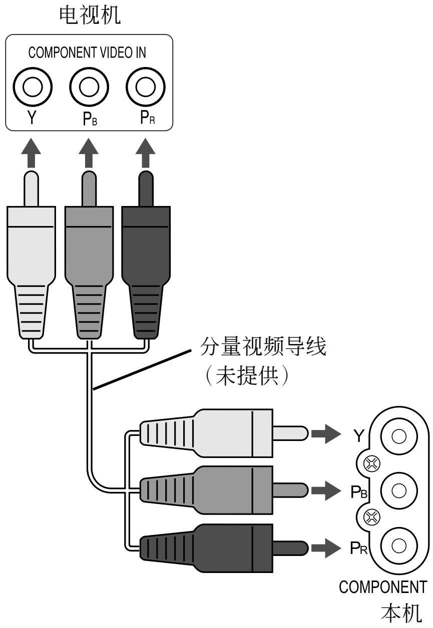
使用 S 视频导线连接



请确保 S 视频导线的各端均匹配其兼容的端子，然后连接 S 视频导线的各端。

使用分量视频导线连接

使用 S 视频时您可以享受更好质量的图像。



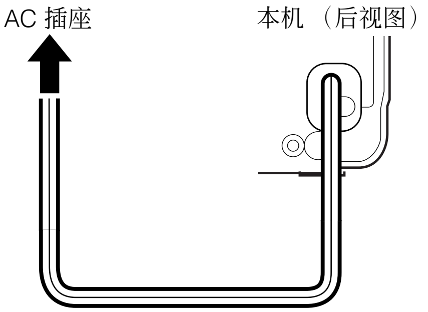
注意

- 使用 S 视频导线或分量视频导线之一。如果同时使用两条导线，图像可能无法正常播放。

注

- 为了使用逐行扫描模式（☞第 30 页）观看图像，电视机需要拥有逐行扫描视频输入。
- 如果您电视机的分量视频输入插孔是 BNC 型，请使用插头适配器（未提供）来转换插头。

连接电源插头



- 进行所有其他必须的连接之后，请连接电源插头。

注

- 在下列情况中，预设设置（如预设频道和声音调节）可能在若干天后被清除：
  - 拔下电源插头时。
  - 发生电源故障时。

演示显示功能

将电源插头连接到 AC 插座时，显示器窗口中出现 “DEMO START!”，开始演示显示。

按本机上的 COLOR/DEMO 时，显示器窗口中出现 “DEMO OFF”，并退出演示显示。

自动打开本机将退出演示显示。

重新开启演示显示

电源关闭时，按本机上的 COLOR/DEMO。

隐藏演示显示

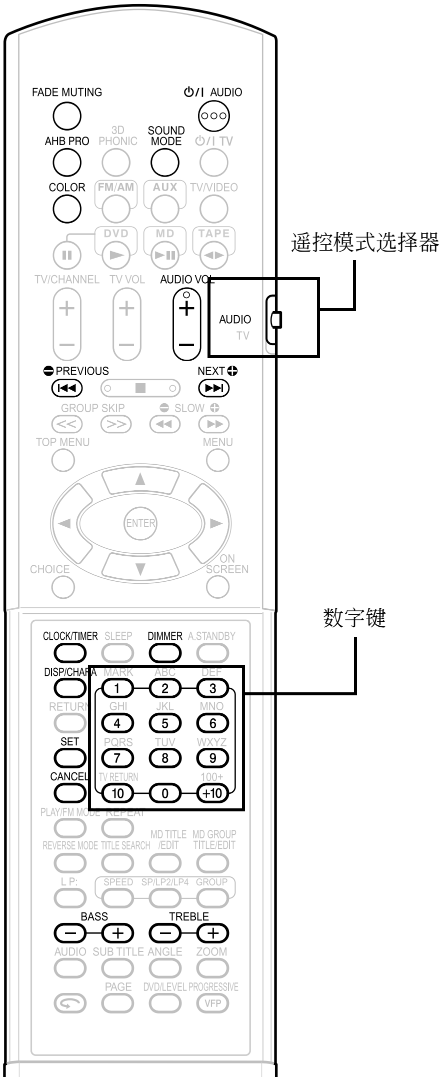
电源关闭时，按住 COLOR/DEMO，直至出现 “DEMO CLEAR”。

断开并重新连接电源插头不会开始演示显示。

如需再次激活演示显示，请按住 COLOR/DEMO，直至出现 “DEMO START!”。

基本操作

本说明书的操作说明以使用遥控器为前提。本机上的某些键与遥控器上的键相同。此时两者皆可使用。



注 意

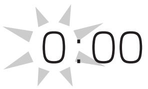
- 将遥控模式选择器设为AUDIO，然后使用数字键。 AUDIO TV

设置时钟

本机打开或关闭时均可设置时钟。

例如：如需将时钟设为 10:10 a.m.

1 按 CLOCK/TIMER。



2 设置小时。

PREVIOUS NEXT

后 前

- 按住按键增加小时。
- 用数字键可以指定小时。
请参阅以下所示的 “使用数字键”。

使用数字键

用数字键之前，请将遥控模式选择器设为 AUDIO。 AUDIO TV

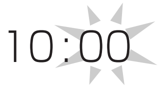
例如： 3: 3

13: +10 → 3

20: +10 → 10

23: +10 → +10 → 3

3 按 SET。



- 如需返回步骤 2，请按 CANCEL。

4 以步骤 2 和 3 相同的方式设置分钟。

调节时钟

按 4 次 CLOCK/TIMER 显示时钟，然后从步骤 2 开始调节时钟。

使用本机时显示时钟

反复按 DISP/CHARA。

注

- 本机的时间显示为 24 小时制。
- 时钟每月误差约为 1 分钟。
- 断开电源插头或发生断电后，请重新设置时钟。

打开 / 关闭本机 常用

按 ⏻/I AUDIO ○ （或本机上的 ⏻/I ◎ ）。

- 电源关闭时，按上述键之一打开本机。同时，分配给该键的功能开始启用。

遥控器：DVD ► MD ►II TAPE ◄► FM/AM ○ AUX ○

本机：DVD ▷/II ◎ MD ▷/II ◎ TAPE ◁ ▷ ◎ FM/AM /AUX ◎ DVD ⏏ ◎ MD ⏏ ◎

注

- 本机内置冷却风扇，用于排出产生的热量。内部冷却风扇自动旋转并停止。

调节音量 常用

按 AUDIO VOL ＋ − 。

- 旋转本机上的 VOLUME 控制钮也可以调节音量。

注

- 可以在 0 到 40 的范围内调节音量。

暂时关闭声音 (FADE MUTING)

按 FADE MUTING ○ 。

- 出现“FADE MUTING”，音量减小到“0”。
- 如需返回到先前的音量，请再次按 FADE MUTING ○ 。

增强重低音 (AHB PRO)

按 AHB PRO ○ 。

- 每按一次 AHB PRO ○ ，AHB PRO 功能在“ON”和“OFF”之间切换。
- 激活 AHB PRO 功能时，显示器窗口中显示 **AHB PRO** 。
- “AHB PRO”代表“Active Hyper Bass PRO”。

调节音质

选择声音模式

按 SOUND MODE ○ 。

- 每按一次 SOUND MODE ○ ，显示变化如下。

ROCK ：增强高音和低音。

POP ：适合歌曲和叙述。

CLASSIC ：增强高音。

JAZZ ：增强实况演出的感觉。

MANUAL ：调节您所选择曲目的高音和低音（显示如下）。

FLAT ：取消声音模式（初始设置）。

- 声音模式设为“FLAT”以外的项目时，显示器窗口中显示 **SOUND** 。

注

- 本功能并不影响录制声音。

调节低音 / 高音

1 反复按 SOUND MODE ○ 显示“ MANUAL ”。

2 调节低音；

按 BASS ⊖ ⊕。

调节高音；

按 TREBLE ⊖ ⊕。

- 可以在 -5 到 +5 的范围内调节音质。
- 显示几秒钟后返回到音源显示。

注

- 声音模式设为“MANUAL”以外的项目时，显示器窗口中显示“NO OPERATE”，无法调节低音 / 高音。

更改显示器窗口和光盘托架的颜色图案

按 COLOR ◯（或本机上的 COLOR/DEMO ◎）。

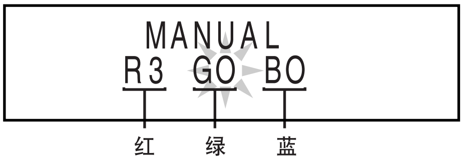
- 每按一次 COLOR ◯，显示变化如下。

→ RAINBOW：类似彩虹的图案。
↓
FLOWER：花卉图案。
↓
GRADATION：颜色图案逐渐更改，约 20 秒更改 1 次。
↓
OCEAN：海洋图案。
↓
FANTASY：科幻图案。
↓
MANUAL R3 G0 B0：您选择的颜色。（左图所示的设置为初始设置。）

设置显示器窗口和光盘托架的喜好颜色

1 反复按 COLOR ◯ 显示 “ MANUAL ”。

2 按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择原色。



- 所选原色的数值闪烁。

3 按 AUDIO VOL ＋/－ 调节原色的强度。

- 旋转本机上的 VOLUME 控制钮也可以调节颜色强度。
- 可以在 “0” 到 “3” 的范围内调节颜色强度。无法同时将所有 3 种原色（红、绿和蓝）设为 “0”。

注

- 调节完各个原色后，显示约 8 秒钟后返回到音源显示。
- 无法为显示器窗口和光盘托架设置不同的颜色。
- 操作本机或遥控器上的按键时，显示器窗口和光盘托架将点亮淡蓝色约 2 秒。
- 录制结束时，显示器窗口和光盘托架的颜色切换到 “MANUAL” 设置的颜色，提示录制已经结束。（选择 “MANUAL” 以外的项目时）
  在录制结束后操作本机时，显示器窗口和光盘托架的颜色图案返回到所选择的图案。

更改显示器窗口和光盘托架的亮度 (DIMMER)

按 DIMMER ⬭。

- 每按一次 DIMMER ⬭，显示变化如下。

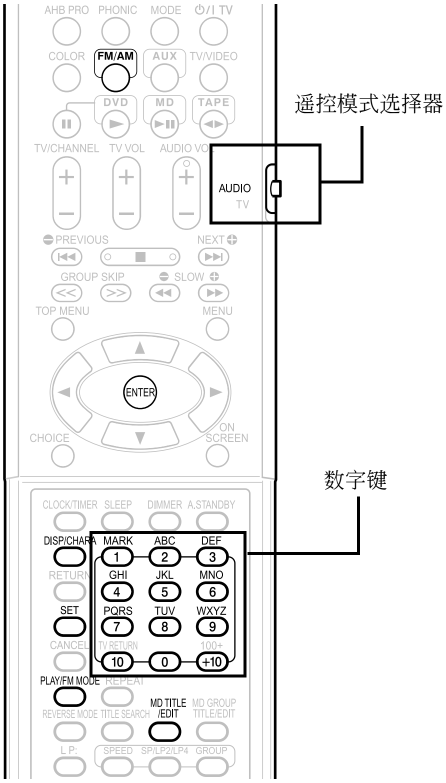
→ DIMMER 1：颜色图案变淡。
↓
DIMMER 2：颜色图案变暗，并切换为蓝色。
↓
DIMMER AUTO：视频播放期间自动选择 DIMMER 2，播放停止时取消 DIMMER 2。
↓
DIMMER OFF：取消亮度调节（初始设置）。

注

- 按 COLOR ◯ 更改颜色图案后，亮度立即返回到初始设置。（DIMMER AUTO 除外）
- 关闭本机时，亮度也将返回到初始设置。
- 无法关闭颜色图案。

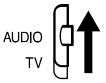
聆听广播

本产品可以接收 FM 和 AM 广播。



注 意

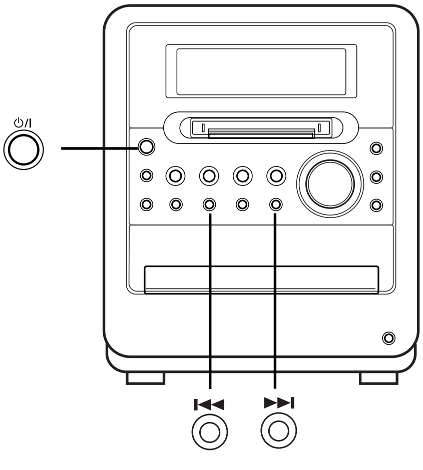
- 将遥控模式选择器设为 AUDIO，然后使用数字键。



设置 AM 调谐器间隔

某些国家使用的 AM 电台间隔为 9 kHz，而其他国家则使用 10 kHz 间隔。

仅在本机上：



■本机关闭时

如需选择 10 kHz 间隔，请在按住本机上的 ⏭ 的同时，按本机上的 ⏻/I 打开电源。“AM 10 kHz” 出现在显示器窗口中。

如需选择 9 kHz 间隔，请在按住本机上的 ⏮ 的同时，按本机上的 ⏻/I 打开电源。“AM 9 kHz” 出现在显示器窗口中。

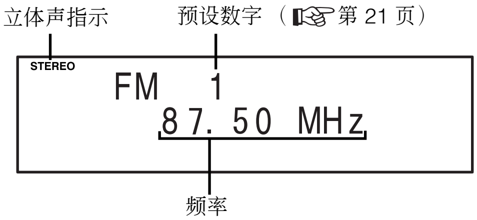
注

- 如果切换了间隔，记忆中保存的电台将会被清除。

选择电台

1 反复按 FM/AM 选择 “ FM ”或 “ AM ”。

例如：接收 FM 广播时的显示



2 反复按 PREVIOUS ⏮ 或 NEXT ⏭ 选择电台（频率）。

- 用自动调谐也可以选择电台。

自动调谐：

按住 PREVIOUS ⏮ 或 NEXT ⏭，直到频率开始更改，然后放开该键。

本机接收到广播时，频率自动停止更改。

如需在搜索广播时退出本功能，请按 PREVIOUS ⏮ 或 NEXT ⏭。

- 本机接收到 FM 立体声广播时， “STEREO” 点亮。

注

- 如果由于噪声导致收听 FM 立体声广播困难，则通过按 PLAY/FM MODE 将声音切换到单声道接收，可以比较容易地收听。此时， “MONO” 点亮。如需将声音返回到立体声接收，再次按 PLAY/FM MODE 或选择另一个 FM 电台。
- 本产品不兼容 AM 立体声广播。

保存电台（预设）

可以最多保存 30 个 FM 电台和 15 个 AM 电台。

■正在接收想要预设的电台的广播时

1 将遥控模式选择器设为 AUDIO。

2 按 SET。

- 预设号码闪烁约 5 秒。

3 预设号码闪烁时，按数字键（MARK 1 - TV RETURN 10 或 100+ +10）选择想要使用的预设号码。

- 请参阅“使用数字键”（☞第 17 页）。

4 所选的数字闪烁时，按 SET。

- 出现“STORED”并保存所选的电台。

注

- 将电台保存到预设号码而该预设号码先前已经保存另一电台时，最新设置的电台将覆盖先前保存的电台。

调到预设电台

■正在接收 FM 或 AM 广播时

1 将遥控模式选择器设为 AUDIO。

2 用数字键选择想要调到的电台的预设号码。

- 请参阅“使用数字键”（☞第 17 页）。

输入电台名称

可以用最多 8 个字符输入保存的电台的名称。

1 将遥控模式选择器设为 AUDIO。

2 按 MD TITLE /EDIT。

3 用 DISP/CHARA 或数字键（MARK 1 - WXYZ 9）输入电台名称。

- 如需输入电台名称，请参阅“输入标题”（☞第 59 页）。

4 按 ENTER。

- 显示器窗口中出现“STORED”并登记输入的电台名称。

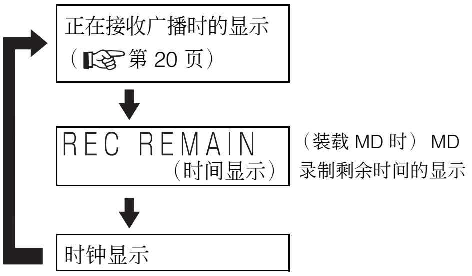
注

- 输入电台名称后保存电台时，输入的具有相同预设号码的电台名称被清除。
- 用 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择广播后，无法输入电台名称。
- 如果更改 AM 调谐器间隔（☞第 20 页），电台名称保持不变。
如有必要，请再次输入电台名称。

更改显示器窗口中的显示

按 DISP/CHARA。

- 每按一次 DISP/CHARA，显示变化如下。



正在接收广播时的显示（☞第 20 页）

REC REMAIN（时间显示）

（装载 MD 时）MD 录制剩余时间的显示

时钟显示

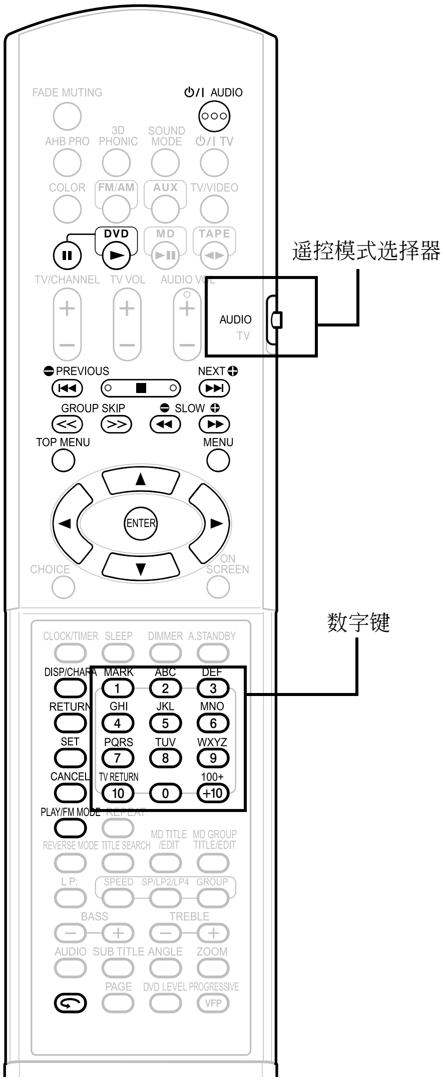
DVD 播放机的基本操作

如何阅读本使用说明书

- 主要使用遥控器按键说明操作。如果本机上存在相同的标记，也可使用本机上的按键。
- 下列标记告诉您可读取的光盘类型。

  DVD VIDEO　DVD AUDIO　VCD　SVCD　C D　MP3 WMA　JPEG

- 实际的图形和电视机屏幕可能与说明的不同。
- “VCD” 表示 “视频 CD”。
- “SVCD” 表示 “超级视频 CD”。



注

- 将遥控模式选择器设为 AUDIO，然后使用数字键。

播放

常 用

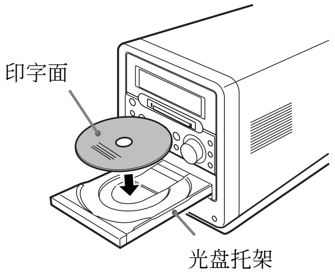
DVD VIDEO　DVD AUDIO　VCD　SVCD　C D

（有关播放 MP3/WMA 和 JPEG 的详情，请参阅第 37 页。）

1　按本机上的 DVD⏏。

- 光盘托架弹出。

2　将光盘放置在光盘托架上。



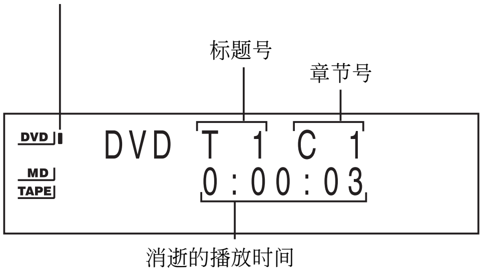
- 想要聆听 8 cm 光盘时，请将其放置在光盘托架的内凹陷部分。

3　按 DVD ▶。

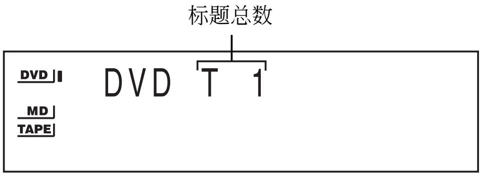
■DVD 视频的显示

播放 DVD 视频时的显示：

DVD 指示
（DVD 视频停止播放时， DVD 指示点亮。 DVD 视频正在播放或暂停时， DVD 指示闪烁。）



DVD 视频停止时的显示：

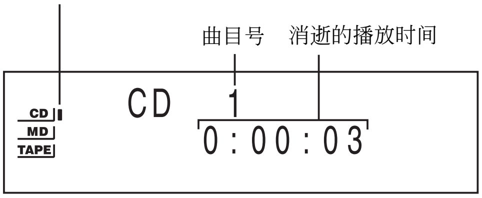


（接下页）

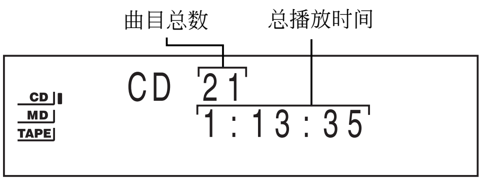
■CD 的显示

播放 CD 视频时的显示：

CD 指示
（CD 停止播放时， CD 指示点亮。 CD 正在播放或暂停时， CD 指示闪烁。）



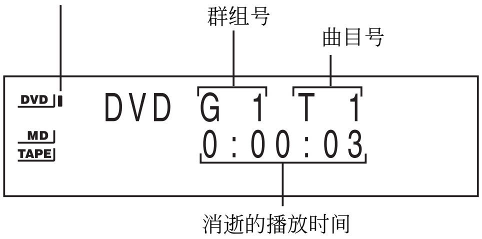
CD 停止时的显示：



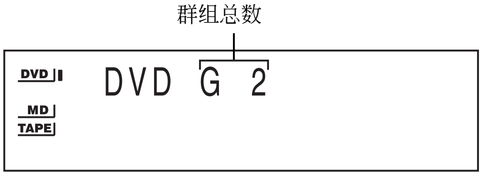
■DVD 音频的显示

播放 DVD 音频时的显示：

DVD 指示
（DVD 音频停止播放时， DVD 指示点亮。 DVD 音频正在播放或暂停时， DVD 指示闪烁。）



DVD 音频停止时的显示：

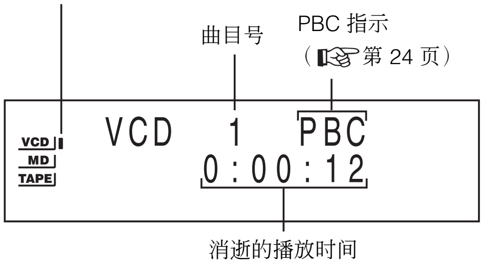


- “G1” 和 “T1” 将显示在群组总数之后。

■VCD/SVCD 的显示

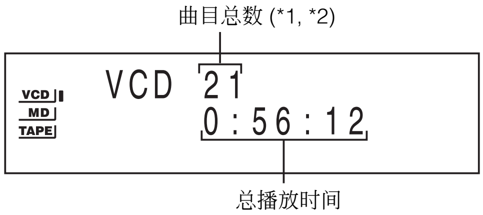
播放 VCD/SVCD 时的显示：

VCD 指示
（VCD/SVCD 停止播放时， VCD 指示点亮。 VCD/SVCD 正在播放或暂停时， VCD 指示闪烁。）



- 激活 PBC 时，显示 PBC 指示。

VCD/SVCD 停止时的显示：



*1 “1” 将显示在曲目总数之后。

*2 光盘兼容 PBC 时，会出现 “PBC” 指示。

注

- DVD 播放开始后，显示器窗口中可能出现菜单。在这种情况下，请使用遥控器上的下列键选择需要的菜单项目。
  - 请使用 ▲、▼ 或 ◄► 选择菜单项目，然后按 ENTER 。
  - 请使用数字键选择菜单项目。
- 操作可能不同于此处所述，视光盘类型而异。

电视机屏幕上显示的讯息

音源选择 DVD 时，出现下列显示讯息，视状态而异。

读取中
本机正在读取光盘。请稍候。

区域代码错误！
由于地区代码不符，无法播放光盘。
（☞第 4 页）

无碟片
没有装载光盘。

打开
光盘托架正在打开。

关闭
光盘托架正在关闭。

无法播放
试图播放不可播放的光盘。

暂时显示在电视机屏幕上的指导图标（屏幕显示指导）

▶	：播放 （☞ 第 22 页）
⏸	：暂停 （☞ 第 25 页）
◀◀ ▶▶	：快倒 / 快进搜索 （☞ 第 25 页）
◀‖ ‖▶	：慢动作播放（倒退 / 前进） （☞ 第 26 页）
🎥	：包含多角度浏览 （☞ 第 28 页）
◯))	：包含多音频 （☞ 第 27 页）
▭	：包含多字幕 （☞ 第 28 页）
🚫	：光盘无法接受您的操作。

PBC（播放控制）

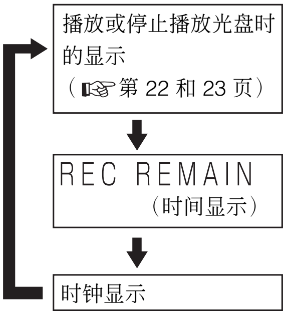
- PBC 是录制于 VCD（2.0 版）上的信号，用于控制 VCD 的播放。使用录制于兼容 PBC 的 VCD 中的菜单显示可以操作具有互动和搜索功能的软件。如需播放不带 PBC 的 VCD，请遵循下列操作。
  - 停止播放时，使用数字键选择所需的曲目号。
  - 停止播放时，请按 PREVIOUS ⏮ 或 NEXT ⏭ 选择所需的曲目号，然后按 DVD ▶。
- 正在播放 VCD 或 SVCD 时，请按 RETURN 返回到上一级菜单群组。

更改显示器窗口中的显示

按 DISP/CHARA。

- 每按一次 DISP/CHARA，显示变化如下。

■播放（或停止播放）光盘时



播放或停止播放光盘时的显示
（☞第 22 和 23 页）

REC REMAIN
（时间显示）

（装载 MD 时）MD 录制剩余时间的显示

时钟显示

播放从 10 秒之前的位置开始（单触重播）

DVD VIDEO

■播放光盘时

按 ⟲。

注

- 对于某些光盘可能无法进行本操作。
- 无法返回到先前的标题。

停止播放 常 用

DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA JPEG

■播放光盘时

按 ■。

继续播放 (RESUME)

DVD VIDEO DVD AUDIO VCD SVCD

播放在中间位置停止时，播放可从停止场景开始。

如何延缓播放

■播放光盘时

播放期间进行下列任意操作。

按 ■ 一次。 *
按 ⏻/I AUDIO 关闭电源。
将播放源改为 FM/AM 或 AUX。 *

* 即使在本操作之后按 ⏻/I AUDIO 关闭电源，播放的停止位置也会保存。

↓

如何从保存位置开始播放

按 DVD ▶。

注

- 本功能在编程播放或随机播放时不起作用。
- 播放再次开始的位置可能与停止位置稍有不同。
- 显示光盘菜单时，续播功能不起作用。
- 音频语言、字幕语言、当时的角度以及停止位置被保存。
- 如果光盘托架打开，保存位置将会被清除。还有，如果在播放期间按 ■，将显示 “RESUME”。如果此时按 ■，“RESUME” 将会消失，保存的信息将会被清除。
- **续播功能作为初始预设打开。可以将其关闭（☞第 40 页）。**

暂停播放

DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA JPEG

■播放光盘时

按 ⏸。

如需继续正常播放，请按 DVD ▶。

- 在 JPEG 光盘幻灯片显示期间按本机上的 DVD ▷/II 无法暂停播放。

逐帧播放图像

DVD VIDEO SVCD VCD DVD AUDIO（仅动态图像）

■暂停播放光盘时

按 ⏸。

- 每按一次 ⏸，将会逐帧播放图像。
- 无法使用本机上的 DVD ▷/II 操作本功能。

快倒 / 快进搜索 常 用

DVD VIDEO DVD AUDIO VCD SVCD CD

存在两种方法。

■播放光盘时

按 ⊖◀◀ **或** ⊕▶▶。

- 每按一次 ⊖◀◀ 或 ⊕▶▶，速度如下增加。

×2 ➡ ×5 ➡ ×10 ➡ ×20 ➡ ×60

- 如需恢复正常速度，请按 DVD ▶。

按住 ⊖PREVIOUS ⏮ **或** NEXT⊕ ⏭ 。

- 按该键可进行快倒 / 快进搜索。

注

- 对于 DVD 视频、SVCD 或 VCD，在快倒 / 快进搜索期间无声音输出。
- 对于 CD 或 DVD 音频，在快倒 / 快进搜索期间声音间歇输出。

慢动作播放

DVD VIDEO **VCD** **SVCD** **DVD AUDIO**
（仅动态图像）

■暂停播放光盘时

按 ⊖SLOW ◀◀ 或 SLOW⊕ ▶▶。

- 每按一次 ⊖SLOW ◀◀，速度如下增加。

  1/32 ➡ 1/16 ➡ 1/8 ➡ 1/4 ➡ 1/2

- 按 ❚❚ 暂停播放，然后按 DVD ▶ 继续正常播放。

注

- 无声音产生。
- 以相反方向运动的图像可能不平滑。
- 对于 VCD 或 SVCD，仅可向前播放慢动作。

跳到曲目的开始位置 常 用

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD** **MP3 WMA** **JPEG**

■播放光盘时 *

按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭。

- 每按一次 ⊖PREVIOUS ⏮，当前章节 / 曲目 / 文件跳到前一章节 / 曲目 / 文件的开始位置。
- 每按一次 NEXT⊕ ⏭，当前章节/曲目/文件跳到下一章节 / 曲目 / 文件的开始位置。
- 按 GROUP SKIP << 或 GROUP SKIP >> 选择标题或群组。

注

* 对于 VCD 或 SVCD，仅在无 PBC 功能播放期间可以进行本操作。

- 除 DVD 视频之外，光盘停止播放时也可以进行本操作。
- 对于某些光盘，可能无法进行本操作。

使用数字键跳到曲目的开始位置

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD** **MP3 WMA** **JPEG**

■播放光盘时

1 将遥控模式选择器设为 AUDIO。

2 按数字键（1 - 10 或 +10）选择想要聆听的曲目 / 章节。

- 请参阅“使用数字键”（☞第 17 页）。

注

- 停止播放光盘或关闭 PBC 播放光盘时，可以操作 VCD 或 SVCD。
- 播放或停止播放光盘时，可以操作 DVD 音频、CD、MP3、WMA 或 JPEG。
- 对于某些光盘，可能无法进行本操作。

从菜单屏幕选择曲目

DVD VIDEO **DVD AUDIO** **VCD** **SVCD**

■停止播放或播放光盘时 *

1 将遥控模式选择器设为 AUDIO。

2 按 MENU ○ 或 TOP MENU ○。

- 出现光盘的菜单屏幕。
- DVD 音频仅可使用 TOP MENU ○。

3 按 ▲ ▼ ◀ ▶（仅 DVD 视频或 DVD 音频）或数字键选择要聆听的曲目。

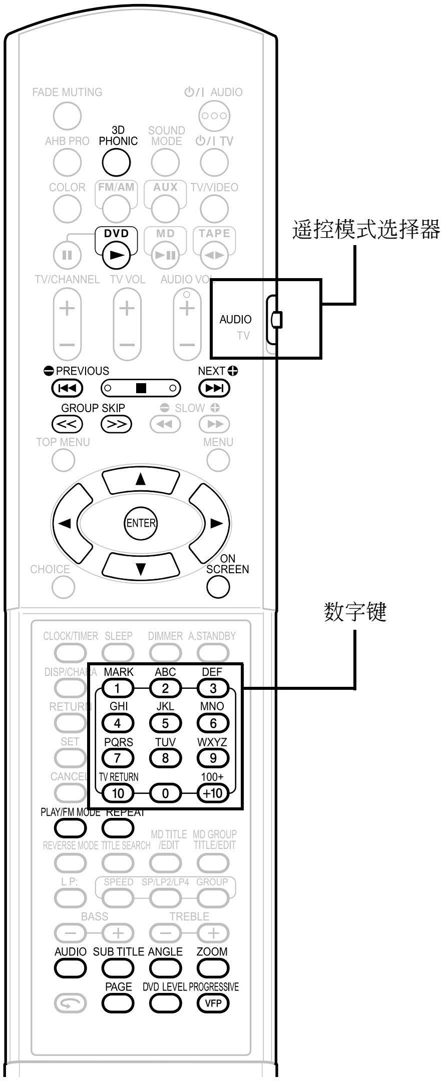
- 请参阅“使用数字键”（☞第 17 页）。
- 如果菜单屏幕含有双页或多页，请按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 改变页面（仅 VCD 和 SVCD）。

4 按 ENTER。

注

* PBC 设为关时，可以操作 VCD 或 SVCD。

- 对于没有录制菜单屏幕的光盘，则无法操作本功能。
- 即使没有按 ENTER，某些光盘可能也会开始播放。



注

- 将遥控模式选择器设为 AUDIO ，然后使用数字键。

选择音频

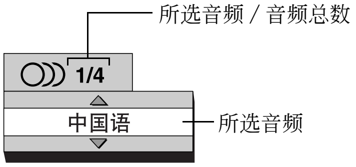
常 用

DVD VIDEO **DVD AUDIO** **VCD** **SVCD**

■播放包含双音频或多音频的光盘时

1 **按 AUDIO。**

例如： 电视机屏幕



- 每按一次 AUDIO，音频将会更改。按 ▲ ▼ 也可以更改音频。

2 **等待几秒或按 ENTER。**

注

- 用菜单条也可以操作本功能（☞ 第 35 页）。
- 有关诸如 “AA” 的语言代码，请参阅 “语言代码”（☞ 第 42 页）。
- DVD 音频中的 2 声道声音以 1/2 录制和禁止向下混音的多声道声音以 2/2 录制时，仅可以选择 1/2。

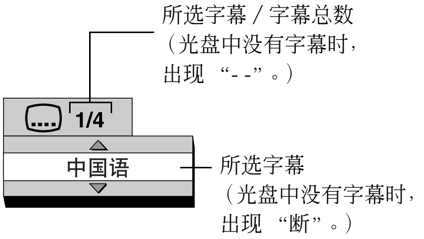
选择字幕

DVD VIDEO **SVCD** **DVD AUDIO**
（仅动态图像）

■播放包含双字幕或多字幕的光盘时

1 按 SUB TITLE 。

例如： **电视机屏幕**



所选字幕 / 字幕总数（光盘中没有字幕时，出现 “- -”。）

所选字幕（光盘中没有字幕时，出现 “断”。）

2 按 ▲ ▼ 选择一个字幕。

3 等待几秒或按 ENTER 。

注

- 用菜单条也可以操作本功能（☞ 第 35 页）。
- 对于 SVCD，在步骤 1 中每按一次 SUB TITLE ，将更改字幕类型和 ON/OFF。
- 有关诸如 “AA” 的语言代码，请参阅 “语言代码”（☞ 第 42 页）。
- 显示字幕的方式可能因光盘而异。

取消字幕

按 SUB TITLE 选择 “ OFF ”。

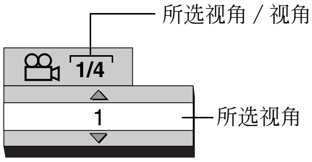
选择视角

DVD VIDEO **DVD AUDIO**
（仅动态图像）

■播放包含双视角或多视角的光盘时

1 按 ANGLE 。

例如： **电视机屏幕**



所选视角 / 视角总数

所选视角

- 每按一次 ANGLE，角度将会更改。按 ▲ ▼ 也可以更改角度。

2 等待几秒或按 ENTER 。

注

- 用菜单条也可以操作本功能（☞ 第 35 页）。

放大图像 (ZOOM)

DVD VIDEO **VCD** **SVCD** **DVD AUDIO** **JPEG**
（仅动态图像）

■播放或暂停播放光盘时

1 按 ZOOM 。

- 每按一次 ZOOM 图像放大率将会更改（OFF, 放大 1 - 6)。
- 使用 JPEG 光盘时，图像放大率可在 “放大 1” 、“放大 2” 至 “OFF” 之间更改。幻灯片播放期间无法更改图像放大率。

2 按 ▲ ▼ ◄ ► 选择您想要观看的部分。

注 意

- 放大图像时，图像质量可能变差或图像可能失真。

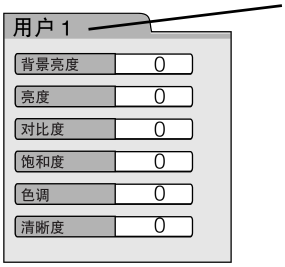
调节图像质量 (VFP)

DVD VIDEO　DVD AUDIO　VCD　SVCD　JPEG

■播放或暂停播放光盘时

1　按 VFP 。

例如： 电视机屏幕


当前 VFP 模式

用户 1

背景亮度	0
亮度	0
对比度	0
饱和度	0
色调	0
清晰度	0

设置项目

背景亮度	：	在保持明暗部分亮度的同时，控制灰色的亮度。 （设置范围：–3 - +3）
亮度	：	控制显示器的亮度。 （设置范围：–8 - +8）
对比度	：	控制显示器的对比度。 （设置范围：–7 - +7）
饱和度	：	控制显示器的饱和度。 （设置范围：–7 - +7）
色调	：	控制显示器的色调。 （设置范围：–7 - +7）
清晰度	：	控制显示器的锐度。 （设置范围：–8 - +8）

2　按 ◄ ► 选择 VFP 模式。

标准	：	正常播放。 （无法调节图像质量。）→ 跳到步骤 7。
影剧院	：	适合于在黑暗的房间观看电影。 （无法调节图像质量。）→ 跳到步骤 7。
用户 1/ 用户 2	：	可以调节图像质量。 → 跳到步骤 3。

3　按 ▲ ▼ 选择要调节的项目。

4　按 ENTER。

例如：

背景亮度　0

5　按 ▲ ▼ 改变调节值。

6　按 ENTER。

- 如需调节其他项目，请返回步骤 3。

7　按 VFP 。

注

- 在该过程中如果几秒内未进行操作时，则迄今为止进行的设置将会自动保存。
- “VFP” 代表 “video fine processor”。

创建真实声音 (3D PHONIC)

DVD VIDEO　DVD AUDIO　VCD　SVCD　CD　MP3 WMA

两个扬声器产生类似环绕声的效果。

■播放光盘时

按 3D PHONIC ○。

例如： 电视机屏幕

3D PHONIC　动作

- 每按一次 3D PHONIC ○，显示变化如下。

动作	：适用于动作影片、体育节目或其他实况节目。
↓	
舞台	：可以享受现场的气氛。
↓	
剧院	：可以享受类似于在电影院观看电影的声音效果。
↓	
断	：取消 3D 音效 （初始设置）。

- 激活 3D 音效时，显示器窗口中显示 3D PHONIC 。

注

- 3D 音效对于扬声器和耳机均有效。
- 产生噪声或声音失真时，请将 “3D PHONIC” 设为 “断”。
- 无法操作某些类型的 DVD 音频光盘。

调节播放电平 (DVD LEVEL)

DVD VIDEO DVD AUDIO

DVD 视频和 DVD 音频的声音可能以比其他类型光盘录制的声音要低。可以调节 DVD 电平。

■播放光盘时

按 DVD LEVEL。

- 每按一次 DVD LEVEL，显示器窗口中显示变化如下。

NORMAL：DVD 中录制的声音电平。
↓
MIDDLE：增强声音电平（初始设置）。
↓
HIGH ：将声音电平增强到最高等级。

- 聆听播放的声音时选择电平。

注

- DVD 电平仅对 DVD 播放有效。
- 即使 DVD 电平改变，数字音频输出端子的输出电平也将不会改变。
- 本功能并不影响录制声音。

欣赏更好的图像 (PROGRESSIVE)

逐行扫描模式时，可以欣赏更好的图像。

注 意

- 为了在逐行扫描模式欣赏图像，需要符合下列要求。
  - 必须将电视机的分量视频输入端子连接到本机上。
  - 用分量视频导线连接本机和电视机（☞ 第 15 页）。

  上述要求未满足时，将本机设为隔行扫描模式。如果设为逐行扫描模式，图像可能失真。

■播放或暂停播放光盘时

按住 PROGRESSIVE VFP 。

- 每按一次 PROGRESSIVE VFP，显示变化如下。

隔行扫描模式（初始设置）

INTERLACE

↕

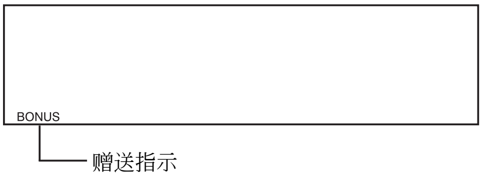
逐行扫描模式

PROGRESSIVE

播放赠送群组

DVD AUDIO

有些 DVD 音频光盘录有特殊群组，称作 “赠送群组”。



- 本机的显示器窗口上点亮 “BONUS” 时，可进行本操作。

■播放光盘时

1 将遥控模式选择器设为 AUDIO。

2 播放期间反复按 GROUP SKIP >> 选择一个赠送群组。

- “KEY_ _ _ _” 出现在电视机屏幕上和本机显示器窗口中。

3 按数字键输入密码（4 位）。

- 获得密码的方式视光盘而异。

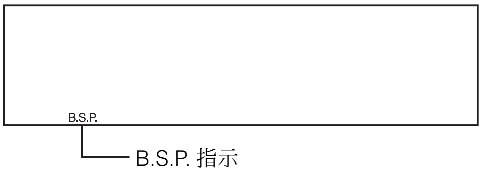
4 按 ENTER。

- 输入正确的密码后，“BONUS” 消失，赠送群组的播放开始。
- 如果输入的密码错误，请再次尝试输入正确的密码。

可浏览的静止图像 (B.S.P.)

DVD AUDIO

某些 DVD 音频光盘录有静止图像。在这些静止的图像中，存在称为 B.S.P（可浏览的静止图像）的图像。可以切换这些图像，就如同翻页一样。



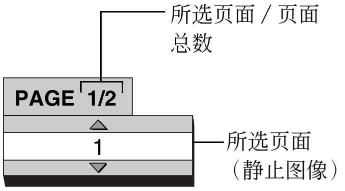
- 本机的显示器窗口上点亮 “B.S.P.” 时，可进行本操作。

■播放光盘时

1 按 PAGE。

- 每次按一次 PAGE 静止图像将会交替变化。
- 按 ▲ ▼ 也可以更改图像。

例如： 电视机屏幕



2 等待几秒或按 ENTER。

注

- 可以在菜单条上操作本功能（☞ 第 35 页）。

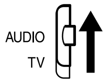
按想要的顺序播放光盘（编程播放）

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD** **MP3 WMA**

最多可以编辑 99 个章节或曲目。可以多次编辑同一章节或曲目。

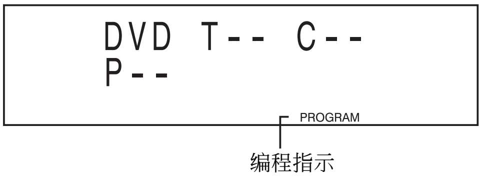
■停止播放光盘时

1 将遥控模式选择器设为 AUDIO。

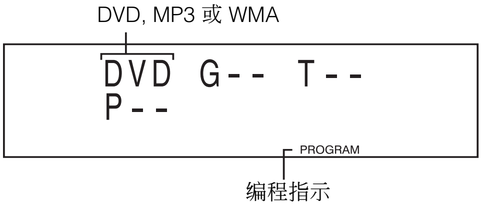


2 按 PLAY/FM MODE 选择 “ PROGRAM ”。

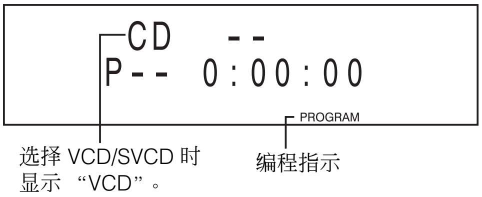
■ DVD 视频的显示



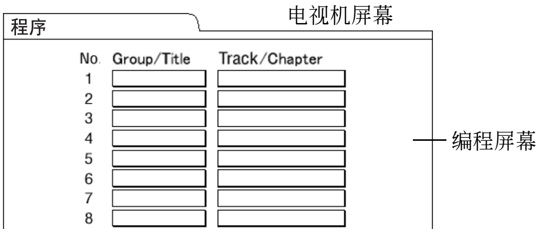
■ DVD 音频 /MP3/WMA 的显示



■ CD/VCD/SVCD 的显示



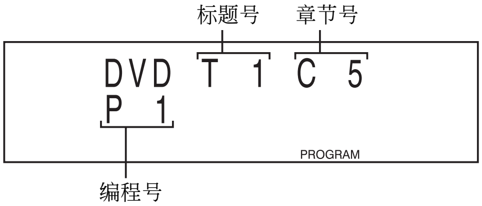
例如： 对于 DVD 视频



3 按数字键（1-10 或 +10）编程章节/曲目。

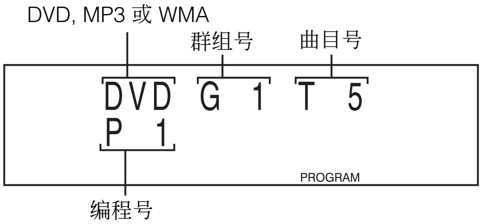
■ DVD 视频的显示

• 选择标题号，然后选择章节号。



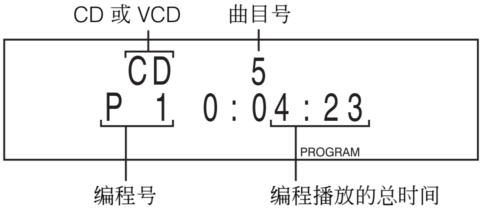
■ DVD 音频 /MP3/WMA 的显示

• 选择群组号，然后选择曲目号。



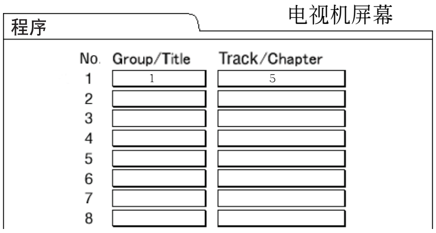
■ CD/VCD/SVCD 的显示

• 选择一个曲目号。



（接下页）

例如： 对于 DVD 视频



程序

No.	Group/Title	Track/Chapter
1	1	5
2		
3		
4		
5		
6		
7		
8		

- 请参阅 “使用数字键”（☞ 第 17 页）。
- 选择 DVD 音频的赠送群组之前，请按照第 31 页 “播放赠送群组” 所述取消 “BONUS” 显示。
- 试图输入 99 个以上的章节或曲目时， 出现 “MEMORY FULL ” 。

4 按 DVD ►。

注

- 在编程播放设置中可以从光盘或 MD 设置曲目。

确认编程的内容

停止播放时，反复按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 。

- 进行本操作时，可以将一首曲目添加为编程中的最后一首曲目，或删除最后一首曲目。（☞ 步骤 3 ）

取消编程播放

停止播放时，反复按 PLAY/FM MODE 显示 “ 程序 ” 以外的项目。

- 本操作并不删除编程的内容。

删除整个编程

停止播放时，按住 CANCEL 。

注

- 弹出光盘或关闭本机也会删除编程的内容。本操作也会取消编程播放。

随机播放

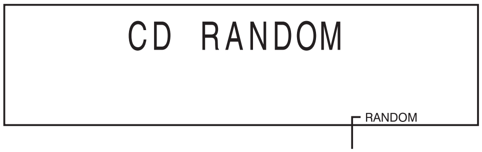
DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA

可以按照随机顺序聆听曲目或章节。

■停止播放时

1 反复按 PLAY/FM MODE 选择 “ 任意 ”。

例如： 对于 CD



随机指示

- 电视机屏幕中出现 “任意” 。

2 按 DVD ►。

注

- 可以从光盘或 MD 设置随机播放的曲目。
- 反复按 ⊖PREVIOUS ⏮ 不会将播放返回到上一首曲目。
- 每首曲目播放一次。

取消随机播放

停止播放时，反复按 PLAY/FM MODE 显示 “ 任意 ” 以外的项目。

注

- 弹出光盘或关闭本机也会取消随机播放。

重复播放

DVD VIDEO DVD AUDIO VCD SVCD CD

有关 MP3/WMA 和 JPEG 文件的重复播放，请参阅第 38 页。

■播放光盘时

按 REPEAT。

- 每按一次 REPEAT，重复播放的类型将会更改。

对于 DVD 视频

重复播放的类型	电视机屏幕上的显示	本机显示器窗口中的显示
重复播放当前章节	⟲ CHAP*	REPEAT CHAPTER* ⟲
重复播放当前标题	⟲ TITLE	REPEAT TITLE ⟲ALL
取消重复播放	⟲ OFF	REPEAT OFF

对于 DVD 音频

重复播放的类型	电视机屏幕上的显示	本机显示器窗口中的显示
重复播放当前曲目	⟲ TRACK*	REPEAT TRACK* ⟲
重复播放当前群组	⟲ GROUP	REPEAT GROUP ⟲GROUP
取消重复播放	⟲ OFF	REPEAT OFF

对于 CD/VCD/SVCD

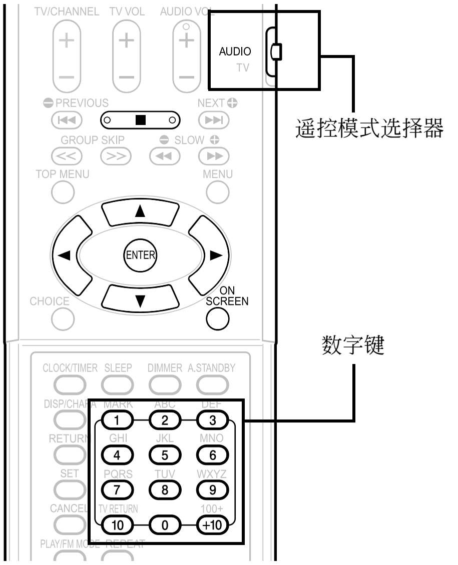
重复播放的类型	电视机屏幕上的显示	本机显示器窗口中的显示
重复播放当前曲目	⟲ TRACK*	REPEAT TRACK* ⟲
重复播放所有曲目	⟲ ALL	REPEAT ALL ⟲ALL
取消重复播放	⟲ OFF	REPEAT OFF

* 编程播放或随机播放期间，显示 “STEP”。

注

- 对于 VCD 和 SVCD，在无 PBC 功能播放期间可以进行本操作。（☞ 第 24 页）。
- 也可以在菜单条上操作本功能（☞ 第 35 页）。
- 有关 A-B 重复播放（指定部分的重复播放）的详情，请参阅第 36 页。

状态条和菜单条



DVD VIDEO　DVD AUDIO　VCD　SVCD　CD

可以在电视机屏幕上显示状态条和菜单条，并使用它们控制光盘。

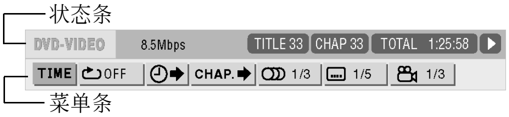
注 意

- 将遥控模式选择器设为 AUDIO ，然后使用数字键。

使用状态条和菜单条

■播放光盘时

1　按两次 ON SCREEN 。



- 上述为 DVD 视频的例子。

2　按 ◀ ▶ 选择想要操作的项目。

3　按 ENTER 。

- 可以设置所选的功能。有关设置项目，请参阅下面的 “功能列表”。
- 当前功能显示蓝色。
- 如需取消菜单条，请按 ON SCREEN 。

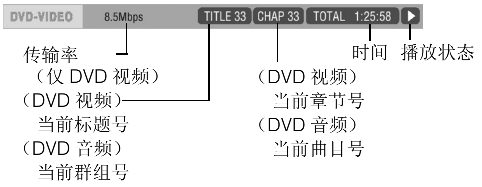
功能列表

按 ▲ ▼ 选择，然后按 ENTER 确定，除非另有说明。

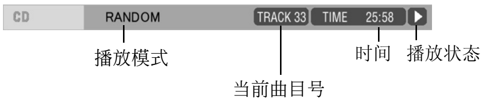
TIME 时间显示选择	更改显示在本机显示器窗口中和状态条上的时间信息。每按一次 ENTER ，显示将更改。 **DVD 视频 /DVD 音频** TOTAL：当前标题 / 群组消逝的播放时间 T.REM：当前标题 / 群组剩余的播放时间 TIME ： 当前章节 / 曲目消逝的播放时间 REM ： 当前章节 / 曲目剩余的播放时间 **CD/VCD/SVCD** TIME ： 当前曲目消逝的播放时间 REM ： 当前曲目剩余的播放时间 TOTAL：光盘消逝的播放时间 T.REM：光盘剩余的播放时间
重复播放模式	☞ 第 34 页
时间搜索	☞ 第 36 页
CHAP. / TRACK 章节搜索 / 曲目搜索	**DVD 视频 /DVD 音频** 选择一个章节 / 曲目。按数字键输入章节 / 曲目号，然后按 ENTER 。 例如： 5: 5　　24: 2 → 4
音频	**DVD 视频 /DVD 音频 /VCD/SVCD** ☞ 第 27 页
字幕	**DVD 视频 /DVD 音频 /SVCD** ☞ 第 28 页
1/3 视角	**DVD 视频 /DVD 音频** ☞ 第 28 页
PAGE -/- 页面切换	**DVD 音频** 切换录制在 DVD 音频光盘上的静止图像（B.S.P.）。 ☞ 第 31 页

显示在状态条上的信息

DVD 视频 /DVD 音频 （以下为 DVD 视频的例子）



VCD/SVCD/CD （以下为 CD 的例子）



注

- 播放状态标记与屏幕显示指导（☞ 第 24 页）上的标记具有相同的意义。

重复播放指定的部分（A-B 重复播放）

DVD VIDEO　DVD AUDIO　VCD　SVCD　CD

■播放光盘时

1　按两次 ON SCREEN。

- 出现菜单条（☞ 第 35 页）。

2　按 ◄ ► 选择 OFF。

3　按 ENTER。

4　按 ▲ ▼ 选择 A–B。

5　在要重放的开始位置按 ENTER（指定 A 位置）。

- 菜单条上的图标将为 A-。

6　在要重放的结束位置按 ENTER（指定 B 位置）。

- 菜单条上的图标将为 A-B。本机的显示器窗口中出现“⊊ A-B”并重复播放 A 和 B 位置之间的部分。

取消 A-B 重复播放

- 如需取消 A-B 重复播放：
  - 按 ■。
  - 选择 A-B，然后按两次 ENTER。（选择 OFF。）

注

- 关闭 PBC 播放光盘时，可以操作 VCD 和 SVCD 。
- A-B 重复播放仅在相同的标题或曲目中有效。 PBC 播放、编程播放和重复播放期间，无法进行 A-B 重复播放。

指定时间（时间搜索）

DVD VIDEO　DVD AUDIO　VCD　SVCD　CD

■播放光盘时

1　将遥控模式选择器设为 AUDIO。

2　按两次 ON SCREEN。

- 出现菜单条（☞ 第 35 页）。

3　按 ◄ ► 选择 ⌚➡。

4　按 ENTER。

5　用数字键（1-9，0）输入时间。

例如： 想要从（0 时）23 分 45 秒的位置播放光盘时，依次按下列键：

0 → 2 → 3 → 4 → 5

- 可以跳过输入“分”和“秒”。
- 如果输入错误的数字，按 ◄ 删除数字，然后重新输入数字。

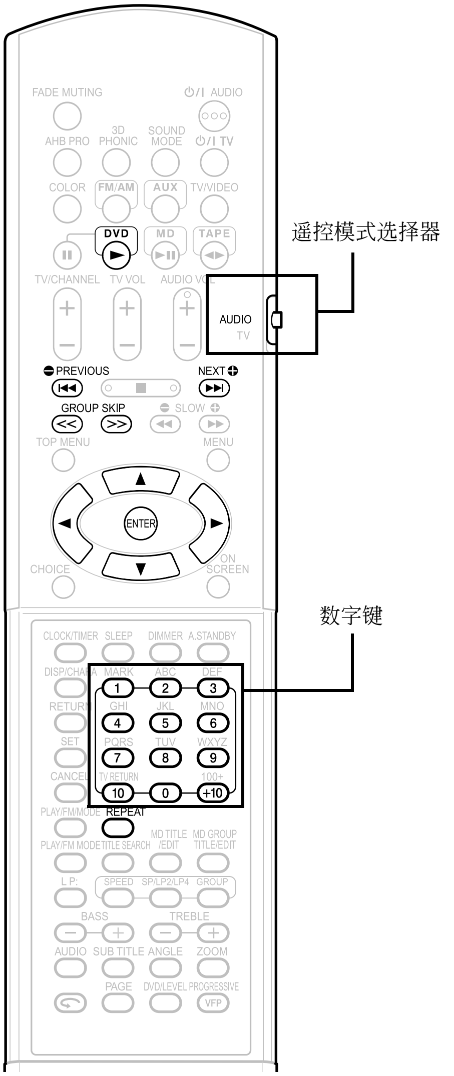
6　按 ENTER。

- 如需删除菜单条，请按 ON SCREEN。

注

- 可能无法操作本功能，视光盘而异。
- 本功能在编程播放或随机播放时不起作用。
- 对于 CD，总是可以进行本操作。对于 VCD 或 SVCD，光盘停止播放时或无 PBC 功能进行播放期间，可以进行本操作。
- DVD 视频的时间搜索从标题的开始位置开始，DVD 音频的时间搜索从正在播放的曲目开始位置开始。VCD、 SVCD 和 CD 的时间搜索如下：
  - 光盘停止播放时，时间搜索从光盘开始位置开始。
  - 光盘正在播放时，可在当前播放的曲目范围内进行时间搜索。

播放 MP3/WMA 和 JPEG 光盘



注

- 将遥控模式选择器设为 AUDIO ，然后使用数字键。

播放

MP3 WMA **JPEG**

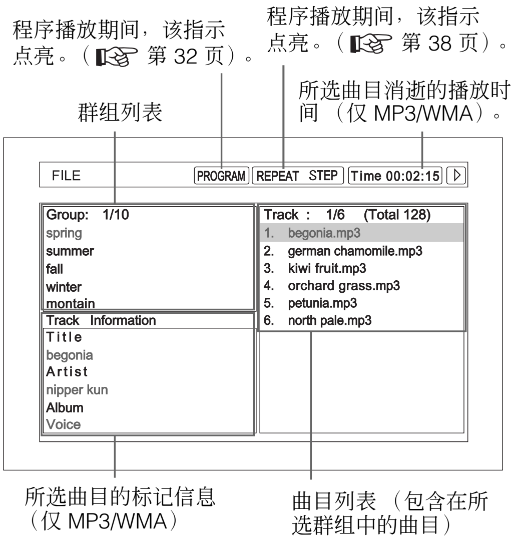
这里将描述 MP3/WMA 光盘显示作为一个例子。
对于 JPEG 光盘，将 “曲目” 读取为 “文件”。

注

- 播放同时包含 MP3/WMA 和 JPEG 文件的光盘时，将设置其中之一进行播放（☞ 第 39 页）。

1 插入光盘。

例如： 电视机屏幕


程序播放期间，该指示点亮。（☞ 第 32 页）。
程序播放期间，该指示点亮。（☞ 第 38 页）。
群组列表
所选曲目消逝的播放时间（仅 MP3/WMA）。
所选曲目的标记信息（仅 MP3/WMA）
曲目列表（包含在所选群组中的曲目）

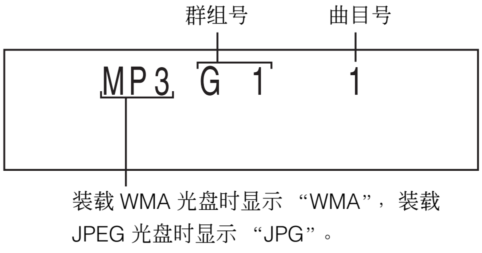
FILE PROGRAM REPEAT STEP Time 00:02:15

Group: 1/10
spring
summer
fall
winter
montain

Track Information
Title
begonia
Artist
nipper kun
Album
Voice

Track : 1/6 (Total 128)
1. begonia.mp3
2. german chamomile.mp3
3. kiwi fruit.mp3
4. orchard grass.mp3
5. petunia.mp3
6. north pale.mp3

例如： 显示器窗口



2 按 ▲ ▼ 选择一个群组。

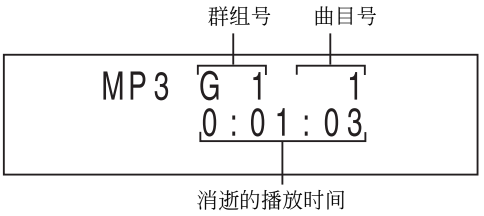
3 按 ► 移动到曲目列表。

- 按 ◄ 返回到群组列表。

4 按 ▲ ▼ 选择一个曲目。

5 按 DVD ► 或 ENTER。

例如： 播放期间的显示



（装载 JPEG 时不显示本指示。）

- 首先，曲目标题 （文件名）滚动。
- 装载 MP3 或 WMA 时，标记信息（标题 / 艺术家 / 专辑）在曲目标题后滚动。
- 仅正确显示作为曲目标题或标记信息的单字节字母数字字符。

注

- 也可在步骤 2 中使用 GROUP SKIP ≪ 和 GROUP SKIP ≫ 。
- 也可以在步骤 4 中使用数字键。在这种情况下，无需步骤 3 和 5。请参阅 “使用数字键”（☞ 第 17 页）。
- 也可在步骤 4 中使用 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 。在这种情况下，无需步骤 3 。

幻灯片显示播放 JPEG

- 对于 JPEG 光盘，在步骤 5 按 DVD ► 时，从所选的文件连续播放文件 （幻灯片显示播放）。按 ENTER 时，仅播放所选的文件。
- 在幻灯片显示播放中，单个文件显示约为 3 秒。
- 播放完所有文件后，自动停止播放。

重复播放

MP3 WMA JPEG

■播放光盘时

按 REPEAT 。

- 每按一次 REPEAT ，重复播放的类型将会更改。

重复播放的类型	电视机屏幕上的显示	本机显示器窗口中的显示
重复播放当前曲目（仅 MP3/WMA）	REPEAT TRACK*	REPEAT* TRACK ↺
重复播放当前群组	REPEAT GROUP	REPEAT GROUP ↺GROUP
重复播放整张光盘	REPEAT ALL	REPEAT ALL ↺ALL
取消重复播放	无显示	REPEAT OFF

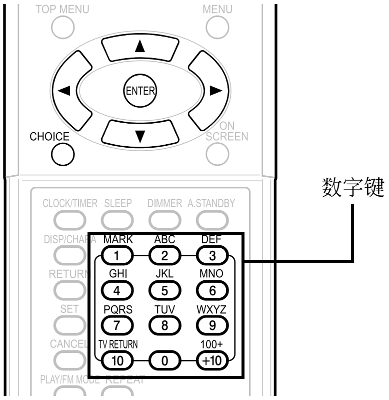
* 编程播放和随机播放期间，显示 “STEP”。

注

- 停止播放光盘期间，重复播放类型可改变。
- 如果存在无法播放的文件，则自动取消重复播放。（☞ 第 4 页）。

个人偏好

DVD VIDEO **DVD AUDIO** **VCD** **SVCD** **CD** **MP3 WMA** **JPEG**



数字键

根据产品使用的环境可以更改本产品的初始设置。

注 意

- 将遥控模式选择器设为 AUDIO，然后使用数字键。

注

- 个人偏好屏幕的上方和下方可能无法显示在宽屏幕电视机上。在电视机上调节图像尺寸。

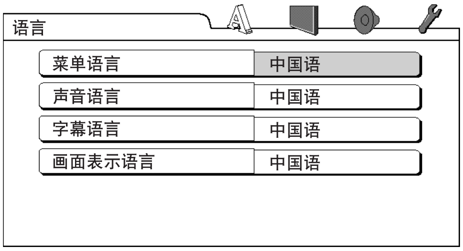
基本操作

本节介绍更改各种设置的基本操作。

■光盘停止播放或无光盘装载（显示“NO DISC”时）时

1 按 CHOICE ○。

- “SETTING”出现在本机显示器窗口上，然后下列屏幕将会出现在电视机上。



语言

菜单语言 中国语
声音语言 中国语
字幕语言 中国语
画面表示语言 中国语

- 按电视机屏幕上的说明继续进行操作。

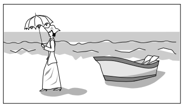
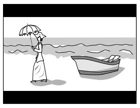
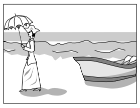
语言

注

- 如果所选的语言未录制在光盘上，则出现光盘最合适的语言。
- 有关诸如“AA”的语言代码，请参阅“语言代码”（☞ 第 42 页）。

项目	说明
菜单语言	选择 DVD 视频菜单的语言。
声音语言	选择 DVD 视频的音频语言。
字幕语言	选择 DVD 视频的字幕语言。
画面表示语言	选择显示在个人偏好屏幕的语言。

图像

项目	说明（ ▨ ：初始设置）
屏幕类型	**为电视机选择合适的显示模式。** **16 : 9 /16 : 9 多制式（宽屏幕电视机）：** 宽屏幕电视机的宽高比固定为 16:9 时，选择本项目（播放以 4:3 录制的 DVD 视频时，本产品自动调节输出信号的屏幕宽度）。  **4 : 3 信箱屏幕 /4 : 3 多制式信箱屏幕：** 电视机宽高比为传统 4:3 时，选择本项目。浏览宽屏幕图像时，黑条出现在屏幕的上下边缘。  **4 : 3 全景屏幕 /4 : 3 多制式全景屏幕：** 电视机宽高比为传统 4:3 时，选择本项目。浏览宽屏幕图像时，图像的左右边缘将不会出现在屏幕上。（如果光盘不兼容全景屏幕，图像将不会以信箱比率显示。） 
图像来源	选择适合视频源的项目。 **视频：** 想要观看正常视频时选择本项目。 **电影：** 想要观看电影或以逐行扫描方式录制的视频时选择本项目。 **自动：** 自动选择视频源类型（视频或电影）。
映像储存器	在**通**/断之间选择屏幕保护模式（从静止图像最后显示开始 5 分钟未进行操作时，屏幕保护启动）。
文件类型	如果光盘包括**音频**文件（MP3/WMA）和静止图像文件（JPEG），请选择播放的文件。如果更改本设置，请打开并关闭光盘托架，或暂时关闭本机。（无论本设置如何，均可播放带音频文件或静止图像文件的光盘。）

音频

项目	说明（▨：初始设置）
数码音频输出	根据连接到数字音频输出端子（AV 音频放大器等）的设备情况，从下列项目中选择输出信号的类型。（有关个人偏好项目和输出信号，请参阅以下列表。） PCM： 仅与线性 PCM 相关的设备。 DOLBY DIGITAL/PCM： 杜比数码解码器或拥有相同功能的设备。 光束 /PCM： DTS/ 杜比数码解码器或拥有相同功能的设备。
下行混合	根据所连接的设备情况，切换 DVD 视频数字输出端子输出的信号。数字音频输出设为“PCM”时，选择本项目。 杜比环绕： 内置杜比专业逻辑解码器的设备。 立体声： 普通设备。 • 激活 3D 音效时，向下混音不起作用。
动态范围控制	低音量播放时，调节高音量和低音量的音量差（仅以杜比数码录制的 DVD）。 自动： 动态范围补偿自动起作用。 通： 动态范围补偿总是起作用。

其他

项目	说明（▨：初始设置）
记忆播放	（☞ 第 25 页）
屏幕指南	选择是否在屏幕显示指导上显示指导图标，指示光盘 / 本机的状态（有关指导图标的详情，请参阅第 24 页）
AV 电脑连动功能	想要使用本产品控制 JVC 电视机时，请从以下选择匹配端子的模式。（有关详情，请参阅第 73 页的“使用 AV 电脑连动”。） DVD1： 连接到电视机上的视频 3 输入。 DVD2： 连接到电视机的视频 1 输入。 DVD3： 连接到电视机的视频 2 输入。
父母锁定	设置家长锁定功能关闭暴力场景或以其他场景代替。（仅对配备家长锁定功能的光盘有效。） 区域代码（☞ 第 41 页） 选择您的国家或地区。 等级： 数字越小限制越严格。“无”为没有限制。 密码（要点）： 用数字键 (1-9, 0) 输入 4 位数字作为您的密码。（如果忘记密码，请输入 “8888”。） 播放时需要密码。 • 如果输入错误密码 3 次，将会自动选择 “退出”。

DIGITAL AUDIO OUTPUT 个人偏好项目和输出信号的关系列表

播放光盘	DIGITAL AUDIO OUTPUT 个人偏好		
	光束 /PCM	DOLBY DIGITAL/PCM	PCM
48 kHz, 16/20/24 位线性 PCM DVD 视频 96 kHz 线性 PCM DVD 视频	48 kHz, 16 位线性立体声 PCM		
48/96/192 kHz，16/20/24 位线性 PCM DVD 音频	48 kHz, 16 位线性立体声 PCM		
44.1/88.2/176.4 kHz，16/20/24 位线性 PCM DVD 音频	44.1 kHz, 16 位线性立体声 PCM		
DTS DVD 视频	DTS 比特流	48 kHz, 16 位线性立体声 PCM	
杜比数码 DVD 视频 / DVD 音频	杜比数码比特流		48 kHz, 16 位线性立体声 PCM
CD/VCD/SVCD	44.1 kHz, 16 位线性立体声 PCM/48 kHz, 16 位线性 PCM		
DTS CD	DTS 比特流	44.1 kHz, 16 位线性 PCM	
MP3/WMA 光盘	32/44.1/48 kHz, 16 位线性 PCM		

注

- 对于无内容保护设置的 DVD 视频，在数字音频输出端子存在 20 位或 24 位输出。

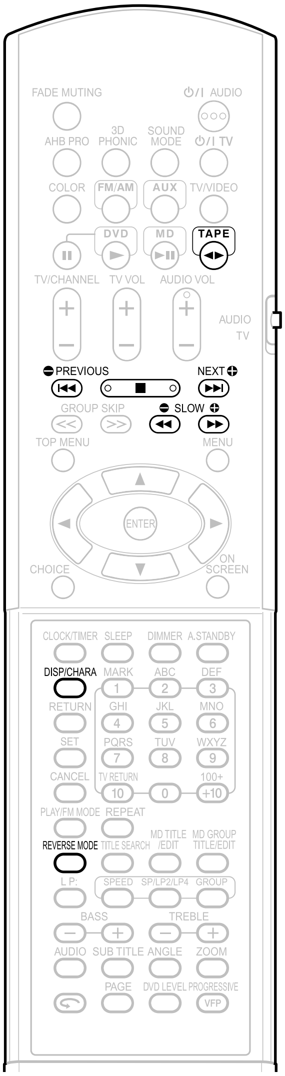
国家 / 地区代码

AD	安道尔
AE	阿拉伯联合酋长国
AF	阿富汗
AG	安提瓜和巴布达
AI	安圭拉
AL	阿尔巴尼亚
AM	亚美尼亚
AN	荷属安的列斯群岛
AO	安哥拉
AQ	南极地区
AR	阿根廷
AS	美属萨摩亚
AT	奥地利
AU	澳大利亚
AW	阿鲁巴岛
AZ	阿塞拜疆
BA	波斯尼亚和黑塞哥维那
BB	巴巴多斯
BD	孟加拉国
BE	比利时
BF	布基纳法索
BG	保加利亚
BH	巴林
BI	布隆迪
BJ	贝宁
BM	百慕大
BN	文莱达鲁萨兰国
BO	玻利维亚
BR	巴西
BS	巴哈马
BT	不丹
BV	博维特岛
BW	博茨瓦纳
BY	白俄罗斯
BZ	伯利兹
CA	加拿大
CC	可可群岛
CF	中非共和国
CG	刚果
CH	瑞士
CI	科特迪瓦
CK	库克群岛
CL	智利
CM	喀麦隆
CN	中国
CO	哥伦比亚
CR	哥斯达黎加
CU	古巴
CV	佛得角
CX	圣诞岛
CY	塞浦路斯
CZ	捷克共和国
DE	德国
DJ	吉布提
DK	丹麦
DM	多米尼加联邦
DO	多米尼加共和国
DZ	阿尔及利亚
EC	厄瓜多尔
EE	爱沙尼亚
EG	埃及
EH	西撒哈拉
ER	厄立特里亚
ES	西班牙
ET	埃塞俄比亚
FI	芬兰
FJ	斐济
FK	福克兰群岛 （马尔维纳斯）
FM	密克罗尼西亚 （联邦）
FO	法罗群岛
FR	法国
FX	法国， 大城市
GA	加蓬
GB	英国
GD	格林纳达
GE	格鲁吉亚
GF	法属圭亚那
GH	加纳
GI	直布罗陀
GL	格陵兰
GM	冈比亚
GN	几内亚
GP	瓜德洛普
GQ	赤道几内亚
GR	希腊
GS	南乔治亚岛和夏威夷群岛
GT	危地马拉
GU	关岛
GW	几内亚比绍
GY	圭亚那
HK	香港
HM	赫德岛和麦克唐纳群岛
HN	洪都拉斯
HR	克罗地亚
HT	海地
HU	匈牙利
ID	印度尼西亚
IE	爱尔兰
IL	以色列
IN	印度
IO	英属印度洋地区
IQ	伊拉克
IR	伊朗 （伊斯兰共和国）
IS	冰岛
IT	意大利
JM	牙买加
JO	约旦
JP	日本
KE	肯尼亚
KG	吉尔吉斯坦
KH	柬埔寨
KI	基里巴斯
KM	科摩罗
KN	圣克里斯托弗和尼维斯联邦
KP	北朝鲜
KR	韩国
KW	科威特
KY	开曼群岛
KZ	哈萨克
LA	老挝人民民主共和国
LB	黎巴嫩
LC	圣卢西亚
LI	列支敦士登
LK	斯里兰卡
LR	利比里亚
LS	莱索托
LT	立陶宛
LU	卢森堡
LV	拉脱维亚
LY	利比亚
MA	摩洛哥
MC	摩纳哥
MD	摩尔多瓦共和国
MG	马达加斯加
MH	马绍尔群岛
ML	马里
MM	缅甸
MN	蒙古
MO	澳门
MP	北马里亚纳群岛
MQ	马提尼克岛
MR	毛里塔尼亚
MS	蒙特塞拉特岛
MT	马耳他
MU	毛里求斯
MV	马尔代夫
MW	马拉维
MX	墨西哥
MY	马来西亚
MZ	莫桑比克
NA	纳米比亚
NC	新喀里多尼亚
NE	尼日尔
NF	诺福克岛
NG	尼日利亚
NI	尼加拉瓜
NL	荷兰
NO	挪威
NP	尼泊尔
NR	瑙鲁语
NU	纽埃岛
NZ	新西兰
OM	阿曼
PA	巴拿马
PE	秘鲁
PF	法属波利尼西亚
PG	巴布亚新几内亚
PH	菲律宾
PK	巴基斯坦
PL	波兰
PM	圣皮埃尔岛和密克隆岛
PN	皮特克恩岛
PR	波多黎各
PT	葡萄牙
PW	帕劳群岛
PY	巴拉圭
QA	卡塔尔
RE	留尼汪岛
RO	罗马尼亚
RU	俄罗斯联邦
RW	卢旺达
SA	沙特阿拉伯
SB	所罗门群岛
SC	塞舌尔
SD	苏丹
SE	瑞典
SG	新加坡
SH	圣赫勒拿岛
SI	斯洛文尼亚
SJ	斯瓦尔巴岛和央棉岛
SK	斯洛伐克
SL	塞拉利昂
SM	圣马力诺
SN	塞内加尔
SO	索马里
SR	苏里南
ST	圣多美和普林西比
SV	萨尔瓦多
SY	叙利亚
SZ	斯威士兰
TC	特克斯和凯科斯群岛
TD	乍得
TF	法属南部领地
TG	多哥
TH	泰国
TJ	塔吉克斯坦
TK	托克劳群岛
TM	土库曼斯坦
TN	突尼斯
TO	汤加语
TP	东帝汶
TR	土耳其
TT	特立尼达和多巴哥
TV	图瓦卢
TW	台湾
TZ	坦桑尼亚联合共和国
UA	乌克兰
UG	乌干达
UM	美属少数外围岛屿
US	美国
UY	乌拉圭
UZ	乌兹别克斯坦
VA	梵蒂冈 （圣座）
VC	圣文森特和格林纳丁斯
VE	委内瑞拉
VG	维尔京群岛 （英属）
VI	维尔京群岛 （美属）
VN	越南
VU	瓦努阿图
WF	瓦利斯群岛和富图纳群岛
WS	萨摩亚
YE	也门
YT	马约特
YU	南斯拉夫
ZA	南非
ZM	赞比亚
ZR	扎伊尔
ZW	津巴布韦

语言代码

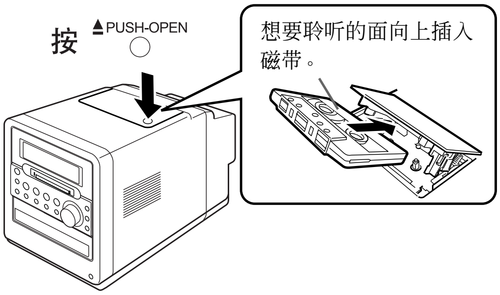
代码	语言	代码	语言
AA	阿法尔语	MK	马其顿语
AB	阿布哈西亚语	ML	马拉雅拉姆语
AF	南非公用荷兰语	MN	蒙古语
AM	阿埃哈里语	MO	摩尔多瓦语
AR	阿拉伯语	MR	马拉地语
AS	阿萨姆语	MS	马来语 (MAY)
AY	艾马拉语	MT	马耳他语
AZ	阿塞拜疆语	MY	缅甸语
BA	巴什基尔语	NA	瑙鲁语
BE	白俄罗斯语	NE	尼泊尔语
BG	保加利亚语	NL	荷兰语
BH	比哈里语	NO	挪威语
BI	比斯克混合语	OC	欧西坦语
BN	孟加拉语	OM	库希特语
BO	西藏语	OR	奥里雅语
BR	布列塔尼语	PA	旁遮普语
CA	加泰罗尼亚语	PL	波兰语
CO	科西嘉语	PS	普什图语
CS	捷克语	PT	葡萄牙语
CY	威尔士语	QU	凯楚阿语
DA	丹麦语	RM	列托罗曼斯语
DZ	不丹语	RN	基隆迪语
EL	希腊语	RO	罗马尼亚语
EO	世界语	RU	俄语
ET	爱沙尼亚语	RW	金亚旺达语
EU	巴斯克语	SA	梵语
FA	波斯语	SD	信德语
FI	芬兰语	SG	佛兰卡国际混合语
FJ	斐济语	SH	塞尔维亚克罗地亚语
FO	法罗语	SI	僧伽罗语
FY	弗里斯兰语	SK	斯洛伐克语
GA	爱尔兰语	SL	斯洛文尼亚语
GD	苏格兰盖尔语	SM	萨摩亚语
GL	加利西亚语	SN	修纳语
GN	瓜拉尼语	SO	索马里语
GU	古吉拉特语	SQ	阿尔巴尼亚语
HA	豪撒语	SR	塞尔维亚语
HI	印地语	SS	希斯瓦梯语
HR	克罗地亚语	ST	塞索托语
HU	匈牙利语	SU	巽他语
HY	亚美尼亚语	SV	瑞典语
IA	拉丁国际语	SW	斯瓦希里语
IE	拉丁国际语	TA	泰米尔语
IK	伊努皮克语	TE	泰卢固语
IN	印度尼西亚语	TG	塔吉克语
IS	冰岛语	TH	泰国语
IW	希伯来语	TI	蒂格尼亚语
JI	依地语	TK	土库曼语
JW	爪哇语	TL	塔加拉语
KA	格鲁吉亚语	TN	茨瓦纳语
KK	哈萨克语	TO	汤加语
KL	格陵兰语	TR	土耳其语
KM	柬埔寨语	TS	聪加语
KN	卡纳达语	TT	鞑靼语
KO	韩国语 (KOR)	TW	契维语
KS	克什米尔语	UK	乌克兰语
KU	库尔德语	UR	乌尔都语
KY	吉尔吉斯语	UZ	乌兹别克语
LA	拉丁语	VI	越南语
LN	林格拉语	VO	沃拉普克语
LO	老挝语	WO	沃洛夫语
LT	立陶宛语	XH	科萨语
LV	拉脱维亚语，列特语	YO	约鲁巴语
MG	马尔加什语	ZU	祖鲁语
MI	毛利语		

聆听磁带

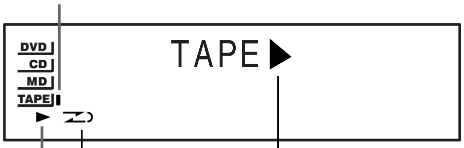


	操作
停止	按 ○ ■ ○。
快进 / 倒退	按 NEXT⊕ ▶▶| 或 ⊖PREVIOUS |◀◀。 • 正向(►)播放磁带时，按 NEXT⊕ ▶▶| 快进，按 ⊖PREVIOUS |◀◀ 倒退。 • 反向（◄）播放磁带时，按 ⊖PREVIOUS |◀◀ 快进，按 NEXT⊕ ▶▶| 倒退。 • 按 ⊖SLOW ◀◀ 或 SLOW⊕ ▶▶ 可以进行相同的操作。

1 插入磁带。



磁带指示
（磁带停止播放时，磁带指示点亮。磁带播放时，磁带指示闪烁。）



倒退模式

磁带播放方向 （►：正向
/◄：反向）

注 意

- 使用磁带之前，卷紧松弛的磁带。（☞ 第 75 页）
- 请勿使用长磁带（如 C-120 或 C-150 ）。长磁带细且易拉伸，并可能在本机内部缠结。
- 本产品兼容 TYPE I 磁带的播放。由于本产品不符合 TYPE II 或 TYPE IV 规格，因此不建议播放上述磁带。本机播放上述类型的磁带时，无法产生正确的声音。

2 反复按 REVERSE MODE ⬭ 选择倒退模式。

⇄) ：单次往返播放磁带的两面。

(⇄) ：重复播放磁带的两面（停止播放时结束。）

⇄ ：单次播放磁带的单面。

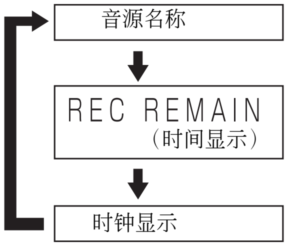
3 按 TAPE ◄► 。

- 播放开始。
- 本机关闭时，按 TAPE ◄► 自动打开本机。
- 每按一次 TAPE ◄►，磁带播放方向改变一次。插入磁带后的初始播放方向总为正向。
- 正常播放时，显示面向右►的磁带播放方向指示。倒退播放时，显示面向左◄的指示。

更改显示器窗口中的显示

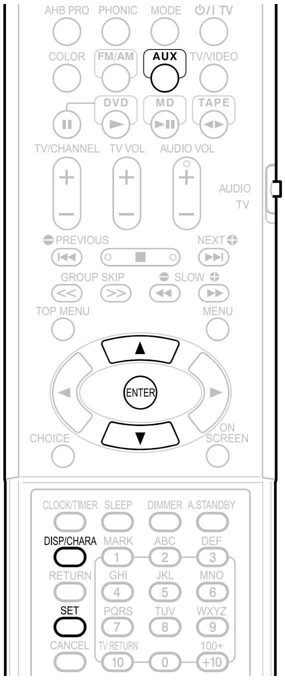
按 DISP/CHARA 。

- 每按一次 DISP/CHARA，显示变化如下。



（装载 MD 时）MD 录制剩余时间的显示

聆听其他设备



1 按 AUX 。

- 每按一次 AUX ，显示变化如下。

AUX ：从连接到本机 AUX 端子的其他设备聆听声音。

↕

AUX-DIGITAL：从连接到本机 OPTICAL DIGITAL IN 端子的其他设备聆听声音。

2 开始其他设备的播放。

- 请参阅所连设备的操作说明书。

3 调节音量并进行其他必须的设置。

- 有关调节音量并进行其他必须的设置，请参阅“基本操作”（☞ 第 18 页）。

调节其他设备的声音输入电平

调节 AUX 的声音输入电平

1 反复按 AUX 选择“AUX”。

2 （显示“AUX”时）按住 SET 直到出现输入电平。

- 每按下一次 SET ，显示变化如下。

LEVEL1 一般使用。（初始设置）

↕

LEVEL2 增加电平。

调节 AUX-DIGITAL 的声音输入电平

1 反复按 AUX 选择“AUX-DIGITAL”。

2 （显示“AUX-DIGITAL”时）按住 SET 直到出现输入电平。

3 按 ▲ 或 ▼ 调节输入电平。

- 可以在 -12 dB 到 12 dB 的范围内调节输入电平（增量为 2 dB）。初始设置是 0 dB。

4 按 ENTER 。

更改显示器窗口中的显示

按 DISP/CHARA 。

- 每按一次 DISP/CHARA ，显示变化如下。

音源名称

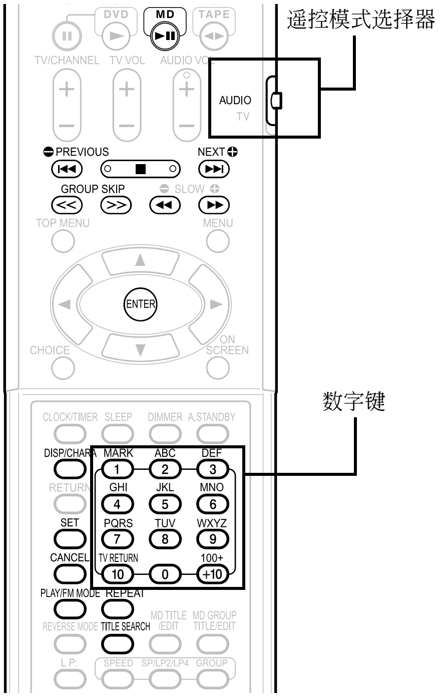
↓

REC REMAIN
（时间显示）　（装载 MD 时） MD 录制剩余时间的显示

↓

时钟显示

聆听 MD



注

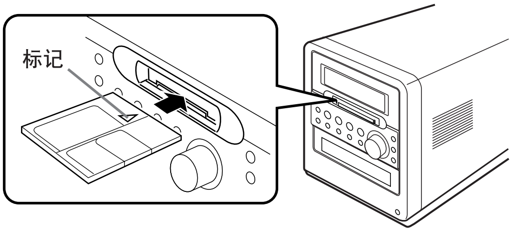
- 将遥控模式选择器设为 AUDIO ，然后使用数字键。

	操作
停止	按 ○ ■ ○ 。
暂停	在播放期间按 MD ▶II 。再次按 MD ▶II 继续播放。
跳过	⊖PREVIOUS ⏮ : NEXT⊕ ⏭ : 反复按该键。
快进 / 倒退（搜索）	⊖PREVIOUS ⏮ : NEXT⊕ ⏭ : 播放期间按住该键。
	◀◀ : ▶▶ : 播放期间按该键。（搜索期间按 MD ▶II 时，继续正常播放。）
弹出	按本机上的 MD ⏏ 。

聆听 MD　常 用

■本机电源打开时

1 插入 MD。



注 意

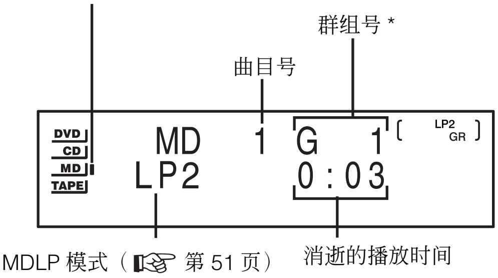
- 本机关闭时，请勿插入 MD。强行插入 MD 可能损坏本机。

2 按 MD ▶II 。

■播放 MD 时的显示

MD 指示

（MD 停止播放时， MD 指示点亮。 MD 正在播放或暂停播放时， MD 指示闪烁。）



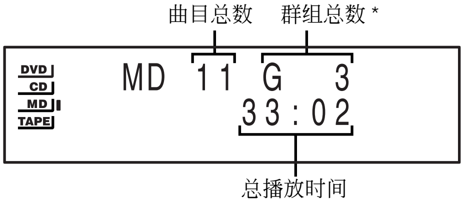
- 曲目已经设置曲目标题时，首先出现曲目标题。

* 正在播放的曲目不属于群组时，出现“G - -”。

注 意

- MD 指示点亮或闪烁时，请勿插入另一 MD。强行插入 MD 可能损坏本机。

■MD 停止播放时的显示



- MD 已经设置 MD 标题（光盘标题）时，首先出现 MD 标题。
- 长标题会滚动。

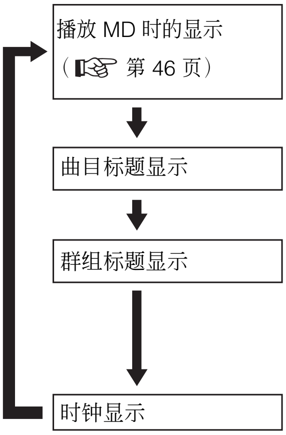
* 没有群组属于 MD 时，出现 “G - -”。

更改显示器窗口中的显示

按 DISP/CHARA 。

- 每按一次 DISP/CHARA ，显示变化如下。

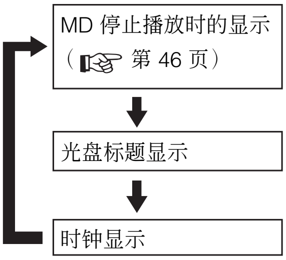
■播放 MD 时



曲目没有设置标题时，出现 “NO TR TITLE”。

正在播放的曲目不属于群组时，不出现群组标题显示。群组没有设置标题时，出现 “NO GR TITLE”。

■ MD 停止播放时



MD 没有设置标题时，出现 “NO TITLE”。

注

- 音源选择 MD 时，如果插入没有录制任何声音的 MD，则出现 “BLANK DISC”。

指定曲目（直接选择曲目）

1 将遥控模式选择器设为 AUDIO。

2 按数字键（1-10 或 +10）选择想要聆听的曲目。

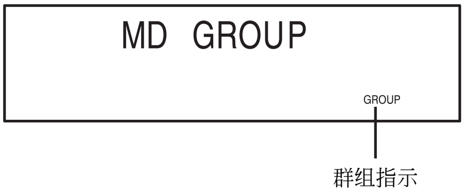
- 请参阅 “使用数字键”（☞ 第 17 页）。

MD 的群组播放

可以从群组中仅播放想要聆听的曲目。

■ MD 停止播放时

1 反复按 PLAY/FM MODE 选择 “ GROUP ”。



2 按 MD ▶II 。

- 开始播放群组 1 。
- 如果不存在群组，则 “GROUP” 消失，开始正常播放。

3 按 GROUP SKIP << 或 GROUP SKIP >> 选择群组。

- 所选群组中的所有曲目播放完毕时，自动停止播放。

取消群组播放

停止播放时，反复按 PLAY/FM MODE 选择 “ GROUP ” 以外的项目。

注

- 弹出 MD 或关闭本机也会取消群组播放。

编程播放

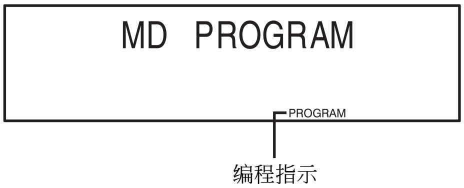
本功能用于最多编程 32 首曲目。

■ MD 停止播放时

1 将遥控模式选择器设为 AUDIO。

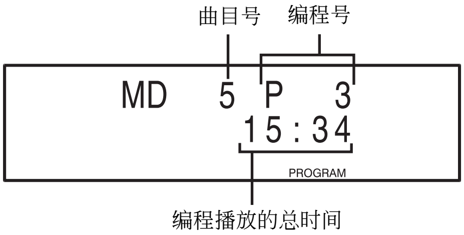
2 按 PLAY/FM MODE 选择 “ PROGRAM ”。

例如： 选择 MD 编程播放时的显示



3 按数字键（ 1-10 或 +10 ）选择曲目号。

- 请参阅 “使用数字键”（☞ 第 17 页）。



注

- 如需删除编程，请在停止播放时按 CANCEL 。从最后一首曲目逐个删除编程的曲目。按住 CANCEL 删除所有编程的曲目。
- 试图编程第 33 首曲目时，显示器窗口中出现 “MEMORY FULL”，表示无法编程 33 首或更多的曲目。
- MD 编程播放的总时间达到 2 小时 31 分钟时，出现 “--:--” 。

4 按 MD ►II 。

注

- 可以从 CD, MD 或 DVD 设置编程播放的曲目。

确认编程曲目顺序

暂停播放时，反复按 PREVIOUS 或 NEXT 。

- 可以将一首曲目添加为编程中的最后一首曲目，或删除最后一首曲目。（☞ 步骤 3 ）

取消编程播放

停止播放时，反复按 PLAY/FM MODE 显示 “ PROGRAM ” 以外的项目。

- 本操作并不删除编程。

删除所有编程的曲目

暂停播放时，按住 CANCEL 。

注

- 弹出 MD 或关闭本机也会删除编程的曲目。本操作也会取消编程播放。

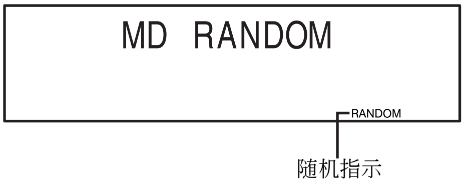
随机播放

本功能用于随机聆听曲目。

■停止播放光盘时

1 反复按 PLAY/FM MODE 选择 “ RANDOM ”。

例如： 选择 MD 随机播放时的显示



2 按 MD ►II 。

注

- 可以从 CD, MD 或 DVD 设置随机播放的曲目。
- 反复按 PREVIOUS 不会将播放返回到上一首曲目。
- 每首曲目播放一次。

取消随机播放

停止播放时，反复按 PLAY/FM MODE 显示 “ RANDOM ” 以外的项目。

注

- 弹出 MD 或关闭本机也会取消随机播放。

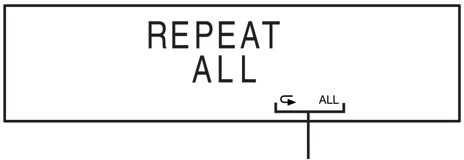
重复播放

本功能用于反复聆听同一曲目。

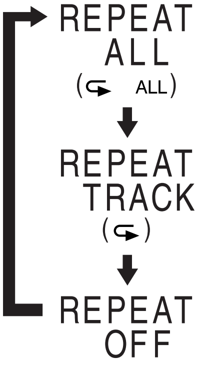
播放 MD 期间，反复按 REPEAT 选择重复播放模式。

- 每按一次 REPEAT，显示变化如下。

例如：选择 “ REPEAT ALL ” 时



重复指示



REPEAT ALL：重复播放 MD 中的所有曲目。用于选择 MD 群组播放时重复所选群组中的所有曲目。

REPEAT TRACK：重复单首曲目。

REPEAT OFF：取消重复播放。

注

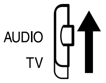
- 弹出 MD 或关闭本机也会取消重复播放。

搜索标题

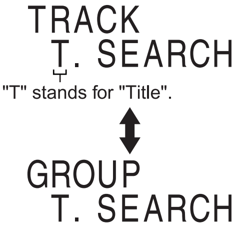
本功能用于搜索 MD 中的曲目标题或群组标题。

■停止播放光盘时

1 将遥控模式选择器设为 AUDIO。



2 反复按 TITLE SEARCH 选择搜索类型。



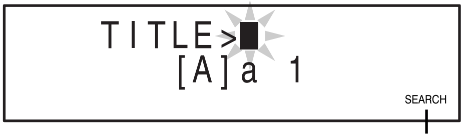
"T" stands for "Title".

TRACK T. SEARCH：用于搜索曲目标题。

GROUP T. SEARCH：用于搜索群组标题。（本功能仅存在群组时可用。）

3 按 SET 。

例如：搜索曲目标题时的显示



搜索群组标题时，显示 “GROUP SEARCH”。

4 输入想要搜索的标题。

- 输入标题的前 1 至 5 个字符。

  例如： 输入 “F” 按照曲目号顺序搜索以 “F” 开头的标题。

  输入 “Frien” 按照曲目号顺序搜索以 “Frien” 开头的标题。
- 有关输入标题，请参阅 “输入标题”（☞ 第 59 页）。
- 搜索没有标题的曲目或群组时，无需输入任何字符，然后跳到步骤 5。

5 按 ENTER 。

- 出现 “SEARCH”，然后开始标题搜索。搜索到标题时，开始播放该曲目。播放结束时，自动开始下一标题搜索。

注

- 空格被视为字符。但是，空格后没有任何字符时，该空格被忽略。
- 字母区分大小写。
- 没有搜索到相关标题时，出现 “SEARCH END”。

有关遥控键的位置，请参阅第 46 页。

搜索另一曲目标题或群组标题

按 NEXT⊕ ⏭ （或 GROUP SKIP >> ）。

退出标题搜索

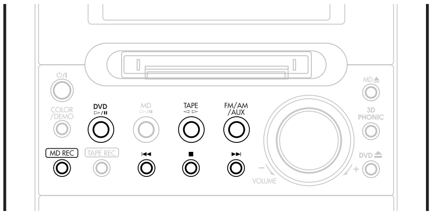
按 TITLE SEARCH ○ 。

- 标题搜索被取消，播放返回到当前曲目开头。

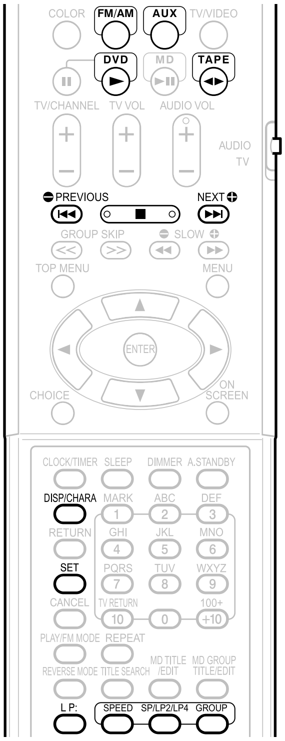
```
SEARCH   END
```

将声音录制到 MD

本机



遥控器



将光盘上的所有曲目录制到 MD

1　按 DVD ▶，然后按 ■。

- 音源选择 DVD 并**停止播放**。

■从 DVD 视频录制声音时

- 播放一个标题或章节，暂停播放，然后按 ⊖PREVIOUS ⏮ 返回到首个标题 / 章节的开始位置。
- 可能无法录制 DVD 视频，视光盘而异。

2　插入 MD。

- 预先关闭 MD 上的防写片（☞ 第 75 页）。

3　按 SP/LP2/LP4 选择 MDLP 模式。

- 每按一次 SP/LP2/LP4，显示变化如下。

SP：标准立体声录制
（MD 80 最长录制时间为 80 分钟）。
↓
LP2：× 2 延长立体声录制
（MD 80 最长录制时间为 160 分钟）。
↓
LP4：× 4 延长立体声录制
（MD 80 最长录制时间为 320 分钟）。

- 改变 MDLP 模式（SP→LP2→LP4）时，音质也会改变。想要尽可能以最佳音质录制声音时，请选择 SP 模式。
- 使用不兼容 MDLP 模式的 MD 汽车音频系统、便携式 MD 播放机或其他 MD 播放机时，请选择 SP 模式。

4　按 GROUP 设置群组录制。

- 每按一次 GROUP，显示变化如下。

GROUP REC ON：激活群组录制（初始设置）。
↕
GROUP REC OFF：取消群组录制。

- 可以在录制结束后制作或取消群组。（☞ 第 63 和 66 页）

5　按 SPEED 选择录制速度。

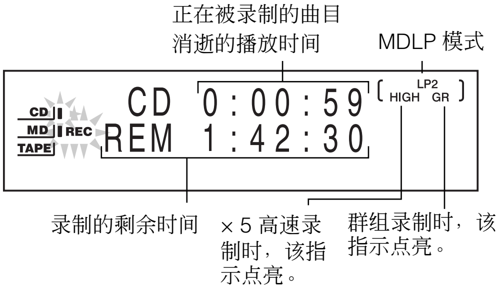
- 每按一次 SPEED，显示变化如下。

HIGH SPEED：× 5 高速录制（仅 CD）
↕
NORMAL REC：常速录制

- 想要播放 CD 以外的光盘时，请选择“NORMAL REC”。
- “HIGH SPEED”和“NORMAL REC”录制的音质相同。
- 在 ×5 高速录制时，无法聆听声音。

6 按本机上的 MD REC ◎ 。

例如： 录制 CD 时的显示



- 录制结束时，显示器窗口和光盘托架的颜色图案变为 “MANUAL” 设置的颜色图案，提示录制已经结束（☞ 第 19 页）。
- 出现 “HCMS CANNOT COPY” 时，请参阅第 74 和 76 页。

注

- 自动调节录制的声音电平。
- × 5 高速录制时，CD 高速旋转。因此，声音可能录制错误并受噪音的影响，视 CD 状况而异。如果声音录制错误，请选择常速录制。
- 录制的剩余时间视所选 MDLP 模式而异。
- 启用重复播放功能时，无法录制声音。启动录制功能将自动取消重复播放。
- 录制 DVD 视频时，无法在包含音频、字幕、视角、图像放大率和 3D 音效选择的 DVD 上进行设置。

退出录制

按 ■ 。

仅录制光盘的单首曲目

（不包括 DVD 视频）

开始播放想要录制的曲目，然后跳到步骤 6。

- 在步骤 6 中按 MD REC ◎ 将播放返回到曲目开头，仅录制当前曲目。
- 单首曲目录制对于 DVD 视频不可用。

录制光盘的第 2 首或随后的曲目到最后一首曲目

■录制 CD/VCD/SVCD/DVD 视频时（对于 DVD 视频：暂停播放光盘时）

按 PREVIOUS ⏮ 或 NEXT ⏭ 选择开始的曲目号或章节号，然后跳到步骤 6。

■录制 DVD 音频 /MP3/WMA

按 GROUP SKIP << GROUP SKIP >> 选择群组号，接着按 PREVIOUS ⏮ 或 NEXT ⏭ 选择曲目号，然后跳到步骤 6。

光盘的编程录制

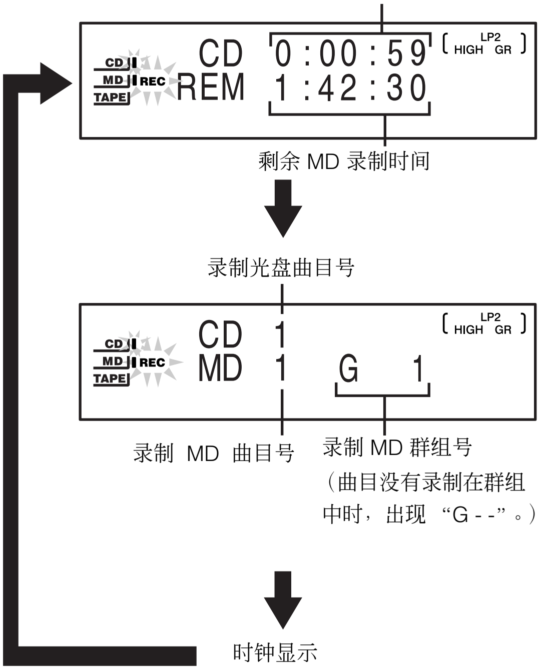
编程想要录制的曲目，然后执行第 51 页的步骤 1（☞ 第 48 页）。

- 选择常速录制（☞ 第 51 页的步骤 5）。选择 “HIGH SPEED” 并跳到步骤 6 时，显示器窗口中出现 “CANNOT REC × 1 REC ONLY” 而录制并未开始。

更改录制时显示器窗口中的显示

按 DISP/CHARA 。

- 每按一次 DISP/CHARA ，显示变化如下。


正在被录制的章节或曲目消逝的播放时间

剩余 MD 录制时间

录制光盘曲目号

录制 MD 曲目号

录制 MD 群组号（曲目没有录制在群组中时，出现 “G - -”。）

时钟显示

MD 录制须知

- **未经版权拥有者的同意而录制或播放具有版权的素材可能违法。**
- 可以将不同 MDLP 模式的曲目录制到 MD。
- 本产品无法使用单声道扩展录制功能。

注 意

- 录制 MD 时，请勿撞击或摇晃本机。显示 “WRITING” 时，请特别注意。撞击或摇晃本机可能干扰 MD 播放。
- 无法使用不兼容 MDLP 的音频设备播放以 LP2 或 LP4 录制的曲目。尝试播放时，曲目标题前出现 “LP:” ，本机不会发出任何声音。使用兼容 MDLP 的音频设备播放以 LP2 或 LP4 录制的曲目时，不会出现 “LP:”。

如需激活或取消 “LP:” 指示，请按 LP: 。

（☞ 右页）

“LP:” 指示设置

按 LP: 。

- 每按一次 LP: ，显示变化如下。

(LP:) ON ：将 “LP:” 添加到曲目标题。

↕

(LP:) OFF ：将 “LP:” 从曲目标题删除。

CD-R/CD-RW/DVD 音频录制

- 将 CD-R、CD-RW 或 DVD 音频的声音录制到 MD 时，按 MD REC 可能在显示器窗口中显示 “SCMS CANNOT COPY” ，并可能无法进行数字录制。

  在这种情况下，请将录制速度设为常速，并按住 MD REC 4 秒钟或以上。显示 “ANALOG REC?” 时，再按一次 MD REC 选择模拟录制。

- 单张 MD 最多可以录制 254 首曲目。如果试图录制 255 首或更多的曲目，出现 “DISC FULL”。
- 使用已经部分录制的 MD 时，本产品搜索空白部分并将新的曲目录制到该部分。

  不同于磁带录制，录制时，无法覆盖 MD 上的旧曲目。
- 本产品在录制时更改音量或音质并不影响录制的声音。
- CD 的声音以数字信号录制到 MD。录制时，电台或 AUX 的声音从模拟信号转换到数字信号。
- 录制光盘时，曲目间自动插入曲目标记。但是，录制 DVD 视频或 DVD 音频时，可能无法插入曲目标记。

录制电台、磁带或其他设备的声音

注

- 自动调节录制的声音电平。
- 声音同步录制用于录制其他设备（AUX）的声音。声音同步录制时，本产品自动识别音源的声音信号，然后开始录制。音源的声音暂停 30 秒或以上时，本产品自动退出录制。最后录制的曲目和下一录制的曲目之间的空白时间约为 2 秒。

1 选择音源。

音源	操作
广播	选择想要录制的广播电台（☞ 第 20 页）。
磁带播放	插入用于播放的磁带，按 TAPE ◄► ，然后按 ■ 。如有必要，请按 REVERSE MODE 选择倒退模式。
其他设备 (AUX/AUX-DIGITAL) 的声音	反复按 AUX 选择 AUX 或 AUX-DIGITAL，然后准备其他设备的播放（☞ 第 45 页）。

2 插入用于录制的 MD。

- 确认 MDLP 、“ LP:” 指示和群组录制设置。（☞ 第 51 和 53 页）
- 关闭 MD 上的防写片（☞ 第 75 页）。

3 按住本机上的 MD REC 约 4 秒显示曲目标记选项。

4 显示曲目标记选项时，按 ⊖PREVIOUS ⏮ NEXT⊕ ⏭ 选择曲目标记选项。

- 每按一次 ⊖PREVIOUS ⏮ NEXT⊕ ⏭ ，显示变化如下。

MANUAL MARK：录制时，每按一次 SET ，设置 1 个曲目标记（初始设置）。

↕

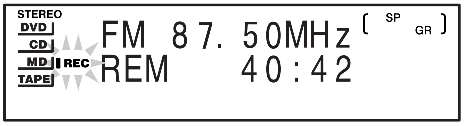
TIME MARK ：以 5 分钟间隔自动设置曲目标记。

↕

AUTO MARK：3 秒或以上没有发出声音时，自动设置曲目标记。按 SET 也可插入曲目标记。

5 按本机上的 MD REC 。

例如： 录制 FM 广播时的显示



- 录制其他设备的声音时，请等到出现 “AUX → MD”，然后开始所连设备的播放。将声音输入本机时，自动开始录制。

按 MD ►II 也可开始录制。

使用该方法时，即使所连设备的声音暂停 30 秒或以上，本机也不会自动退出录制。

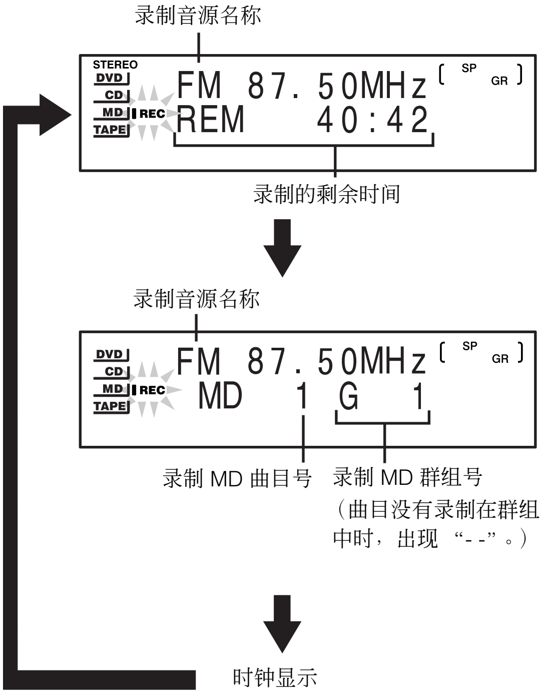
退出录制

按 ■ 。

更改录制时显示器窗口中的显示

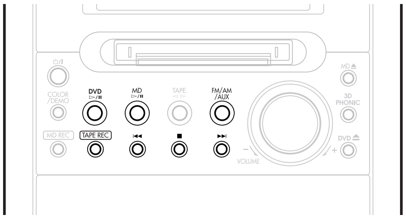
按 DISP/CHARA 。

- 每按一次 DISP/CHARA ，显示变化如下。

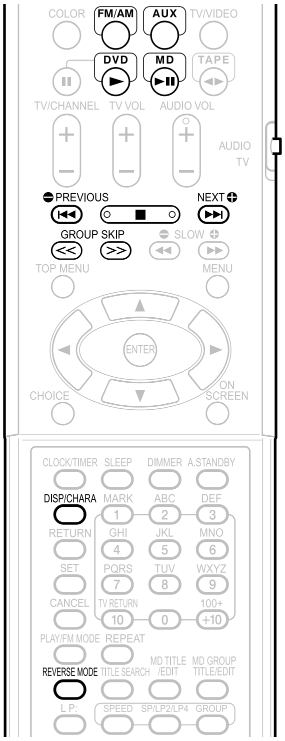


将声音录制到磁带

本机



遥控器



注

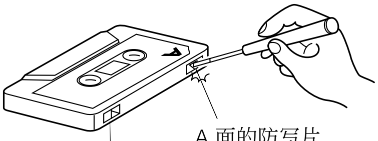
- 自动调节录制时的声音电平。
- 录制光盘或 MD 的曲目时，录制期间的曲目之间插入 4 秒的空白。可以录制不带空白时间的曲目。（☞ 第 56 页）

注 意

- **未经版权拥有者的同意而录制或播放具有版权的素材可能违法。**
- 请勿使用长磁带（如 C-120 或 C-150）。长磁带细且易拉伸，并可能在本机内部缠结。
- 由于本产品不兼容 TYPE II 和 TYPE IV 磁带，因此，请勿使用上述类型的磁带。本产品不符合上述磁带的规格，因此，无法正确将声音录制到上述类型的磁带。无法获得正确播放的声音。

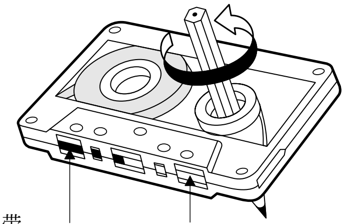
防止删除录制的声音

- 磁带上装有防写片可以防止删除录制的声音。由于折断防写片将无法录制到磁带或删除录制的素材，因此防写片可用于防止遗失重要的录制内容。
- 想要使用磁带再次录制时，请使用胶带覆盖片孔。



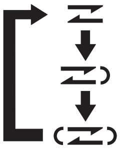
1 插入用于录制的磁带。

- 在插入磁带之前，请将磁带卷过磁带的引导部分。



2 按 REVERSE MODE 选择倒退模式。

- 每按一次 REVERSE MODE ，显示变化如下。



：单次录制磁带的单面。

：单次往返录制磁带的两面。

：按 TAPE REC 自动开始单次往返录制磁带的两面。

- 可以在录制时更改倒退模式。

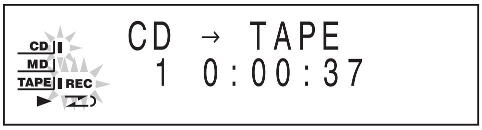
3 选择用于录制的音源。

- 选择音源之前，**请确保停止播放光盘和 MD。**

音源	操作
光盘	按 DVD ►，然后按 ■。
MD	按 MD ►II，然后按 ■。
广播	选择想要录制的广播电台（☞ 第 20 页）。
其他设备（AUX/AUX-DIGITAL）的声音	反复按 AUX 选择 AUX 或 AUX-DIGITAL，然后准备其他设备的播放（☞ 第 45 页）。

4 按本机上的 TAPE REC ◎。

例如：录制 CD 声音时的显示



- 从光盘或 MD 录制时，**所有曲目都被录制到磁带。**
- 想要录制其他设备的声音时，请开始所连设备的播放。
- 录制结束时，显示器窗口和光盘托架的颜色图案切换到 “MANUAL” 设置的颜色图案，提示录制已经结束（☞ 第 19 页）。

退出录制

按 ■。

仅录制光盘或 MD 的单首曲目

（不包括 DVD 视频）

播放想要录制的曲目，然后跳到步骤 4。

- 在步骤 4 中按 TAPE REC ◎ 将播放返回到曲目开头，仅录制当前曲目。

录制光盘或 MD 的第 2 首或随后的曲目到最后一首曲目

（对于 DVD 视频：暂停播放光盘时）

■对于 CD/VCD/SVCD/DVD 视频

按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择开始的曲目号 / 章节号，然后跳到步骤 4。

■对于 DVD 音频 /MP3/WMA

按 GROUP SKIP >> 或 GROUP SKIP << 选择群组号，接着按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择曲目号，然后跳到步骤 4。

光盘或 MD 的编程录制

编程想要录制的曲目，然后跳到步骤 4（☞ 第 32 和 48 页）。

曲目之间不带空白时间的录制

播放光盘或 MD，暂停播放，接着按 ⊖PREVIOUS ⏮ 返回到首个曲目的开始位置，然后跳到步骤 4。

删除磁带录制的声音

在步骤 3 选择其他设备 (AUX) 的声音，然后按 TAPE REC ◎。

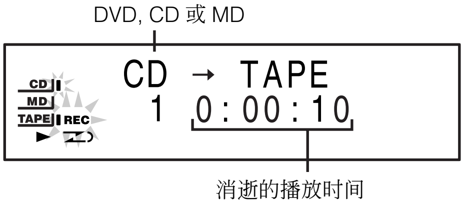
- 请勿播放所连设备上的任何曲目。

更改录制时显示器窗口中的显示

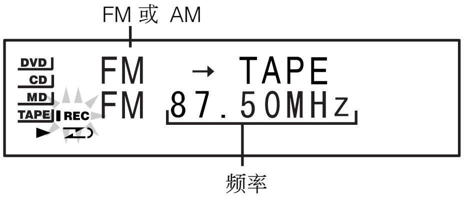
按 DISP/CHARA。

- 每按一次 DISP/CHARA，显示变化如下。

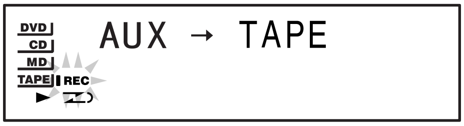
■录制光盘或 MD 的曲目时



■录制广播（FM/AM）时



■录制其他设备（AUX）的声音时



↕

时钟显示

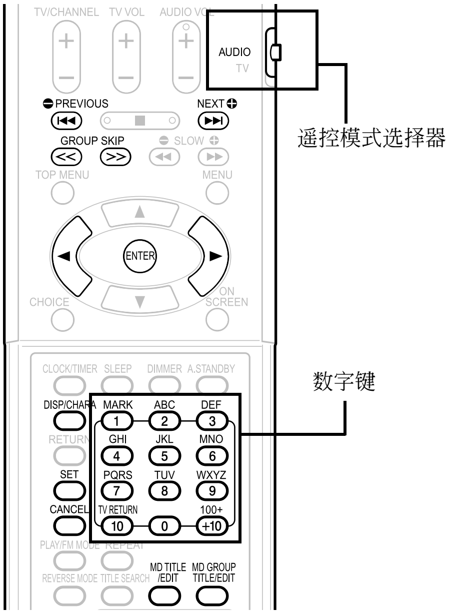
注

- 录制光盘或 MD 的曲目时，如果磁带倒退，则本产品重新从开头录制该曲目并录制到磁带的反面。但是，如果该曲目在磁带首面的录制时间不足 12 秒，则录制到磁带反面时，将从上一首曲目的开头开始录制。
- 使用分割功能将曲目分为若干等同于磁带单面长度的部分，然后使用单次往返录制 MD 的长曲目（如录制的音乐会）。（☞ 第 32 页）

添加（编辑）标题

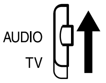
编辑须知

- 防写片打开时，无法编辑 MD（☞ 第 75 页）。试图编辑保护的 MD 时，出现 “DISC PROTECTED”。
- 完成编辑时，出现“EDITING”，然后“WRITING” 闪烁，编辑的设置录制到 MD 。
  显示 “WRITING” 时，请勿撞击或摇晃本机。撞击或摇晃本机可能干扰 MD 播放。
- 编程播放、随机播放或群组播放时，无法编辑 MD 。



注

- 将遥控模式选择器设为 AUDIO ，然后使用数字键。

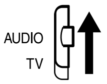


添加（编辑）标题

可以将标题添加到 MD（光盘）、曲目和群组。

■想要添加标题的曲目或群组正在播放时

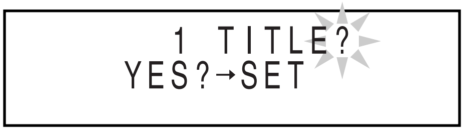
1 将遥控模式选择器设为 AUDIO 。



2 显示标题编辑模式。

对于编辑 MD（光盘）标题或曲目标题

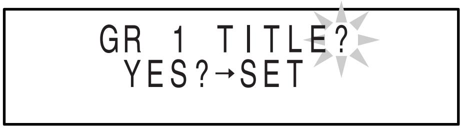
- 按 MD TITLE/EDIT 显示标题编辑模式。



- 如需编辑光盘标题，请反复按 PREVIOUS 显示 “DISC TITLE?”。停止播放光盘时，按 MD TITLE/EDIT 也可以显示 “DISC TITLE?”。
- 也可以用 PREVIOUS 或 NEXT 选择曲目号。

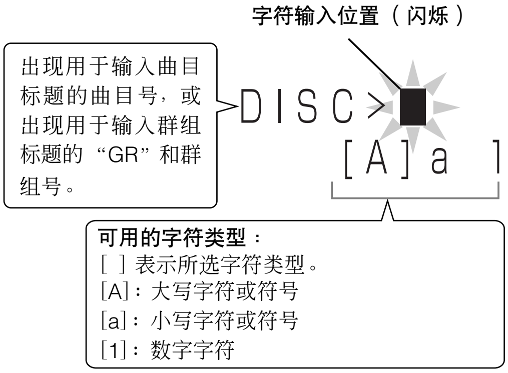
对于编辑群组标题

- 按两次 MD GROUP TITLE/EDIT 显示群组标题编辑模式。



- 也可以用 GROUP SKIP << 或 GROUP SKIP >> 选择群组号。

3 按 SET 。



出现用于输入曲目标题的曲目号，或出现用于输入群组标题的 “GR” 和群组号。

可用的字符类型：
[ ] 表示所选字符类型。
[A]：大写字符或符号
[a]：小写字符或符号
[1]：数字字符

4 用数字键输入标题。

- 有关输入标题，请参阅 “输入标题”（☞ 第 59 页）。

5 按 ENTER 。

- 输入的标题被添加到 MD 、曲目或群组。

如需退出标题编辑

按 CANCEL。

如需添加下一标题

按 SET。

跳到步骤 4 。

（接下页）

6　按本机上的 MD ⏏ 弹出 MD。

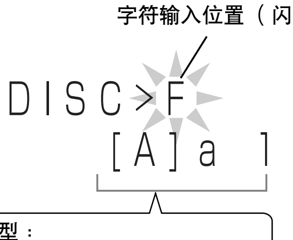
注

- 可以输入 MD 的字符数
  每张 MD 最多可以输入 1 792 个字符，每首曲目最多可以输入 61 个字符。但是，由于 MD 写入方法的限制，实际可以输入的字符数少于此处所给的数量。
  空格算作字符。
  由于“LP:”和 4 个空格自动添加到每首曲目，因此使用长时间立体声录制（LP2 或 LP4）时，曲目数量越多，可以输入的字符数越少。
  可以设置本产品，以便不将“LP:”添加到曲目。（☞ 第 53 页）
  例如：　编辑使用长时间立体声录制到 MD 的 120 首曲目时，每首可以输入 10 个字符。
- 无法编辑包含 62 个或更多字符的标题。 想要编辑包含 62 个或更多字符的标题时，请在原来输入标题的设备上编辑标题。。
- 可以在录制时设置标题。
  - 从 CD 录制时（仅录制 CD 的单首曲目时除外），可以在录制结束之前输入最多 16 首曲目标题。
  - 如果在录制结束之前没有按 ENTER ，则不保存输入的标题。
  - 群组录制时，可以输入群组的标题。

输入标题

例如：如需输入“ F ”

1) 反复按 DISP/CHARA 直到“A”上出现 [ ]。
2) 反复按 DEF 3 显示“F”。



可用的字符类型：
[ ] 表示所选字符类型。
[A]：　大写字符或符号
[a]：　小写字符或符号
[1]：　数字字符

- 单个键分配了若干个字符。反复按该键，直到显示所需的字符。
- 有关可用的字符，请参阅“可用的字符”（☞ 右页）。

如需移动字符输入位置

- 按 ◄ 或 ► 。
- 想要输入“NO”、“TV”或两个分配到同一个键的字符时，请首先输入第 1 个字符，然后按 ► 将字符输入位置移到右边，接着输入第 2 个字符。

如需删除字符

- 将字符输入位置移到想要删除的字符，然后按 CANCEL 。

如需输入空格

- 从“符号”（☞ 下表）中选择空格。也可以按 ► 在标题末尾输入空格。

如需退出标题输入

- 按 MD TITLE/EDIT 或 MD GROUP TITLE/EDIT 。不保存输入的标题。

可用的字符

键	大写字符	小写字符	数字字符
MARK 1	符号 *	符号 *	1
ABC 2	ABC	abc	2
DEF 3	DEF	def	3
GHI 4	GHI	ghi	4
JKL 5	JKL	jkl	5
MNO 6	MNO	mno	6
PQRS 7	PQRS	pqrs	7
TUV 8	TUV	tuv	8
WXYZ 9	WXYZ	wxyz	9
0			0

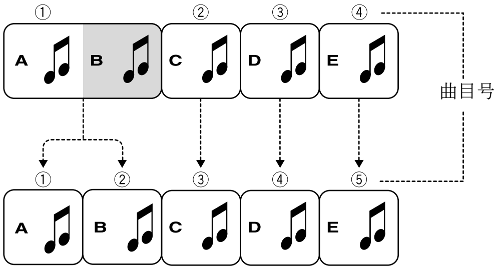
*** 可用的符号**

□ 空格	!	”	#	$	%	&	’	(	)	＊	＋	
,	–	.	／	:	;	<	＝	>	?	@	_	`

编辑曲目

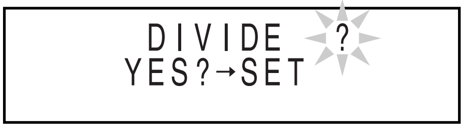
将单首曲目分割为两首曲目（DIVIDE）

例如： 将单首曲调分割为曲调 A 和曲调 B



■想要分割的曲目正在播放时

1 反复按 MD TITLE/EDIT 选择 “ DIVIDE? ”。



```
DIVIDE  ?
YES?→SET
```

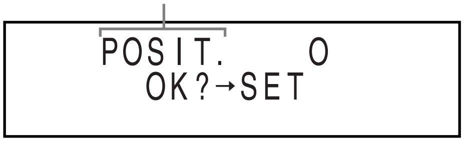
2 按 SET 。

- 用 ⊖PREVIOUS ⏮ 、 NEXT⊕ ⏭ 或数字键也可以选择曲目号。请参阅 “使用数字键”（ ☞ 第 17 页）。

3 按 SET 指定分割点。

- 本产品反复播放紧接分割点之后的 4 秒钟声音。

“POSIT.” 代表 “POSITION”。



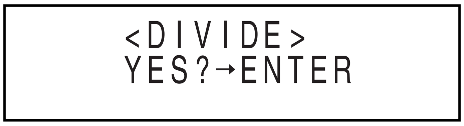
```
POSIT.    0
  OK?→SET
```

- 无需调节分割点时，请跳到步骤 5 。
- 想要调节分割点时，跳到步骤 4 。

4 按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 。

- 可以在 -128 到 +128 位置 （ SP 模式约为 -8 到 +8 ）范围内调节分割点。

5 按 SET 。



```
<DIVIDE>
YES?→ENTER
```

6 按 ENTER 。

注

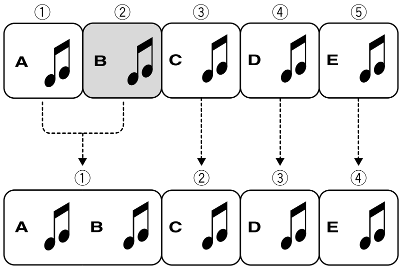
- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT 可以退出编辑操作。
- 无法分割包含 254 首或更多曲目的 MD 中的曲目。

  在步骤 3 按 SET 时，出现 “DISC FULL”。
- 分割带标题的曲目时，该标题被同时添加到被分割的曲目。

合并曲目 (JOIN)

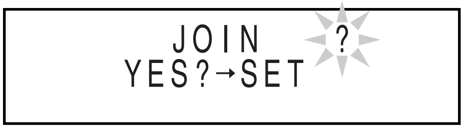
可以将两首相邻的曲目合并为一首。

例如：合并曲调 A 和曲调 B

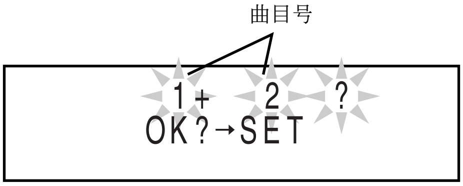


■想要将第 1 首曲目合并到第 2 首曲目，而第 2 首曲目（如上所示的曲目 2）正在播放时

1 反复按 MD TITLE/EDIT 选择 “JOIN?”。



2 按 SET。



- 也可以用 ⊖PREVIOUS ⏮、NEXT⊕ ⏭ 或数字键选择曲目号。请参阅 “使用数字键”（☞ 第 17 页）。

3 按 SET。

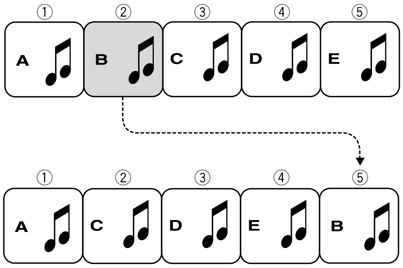
4 按 ENTER。

注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT 可以退出编辑操作。
- 无法合并具有不同 MDLP 模式（SP/LP2/LP4）的曲目或具有不同录制类型（数字 / 模拟）的曲目。如果试图合并此类曲目，出现 “CANNOT JOIN”。
- 合并带有标题的两首曲目时，第 1 首曲目的标题将保留为合并后曲目的标题。

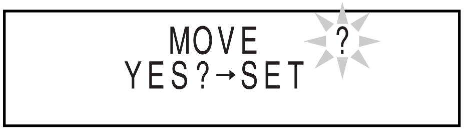
移动曲目 (MOVE)

例如：移动曲调 B

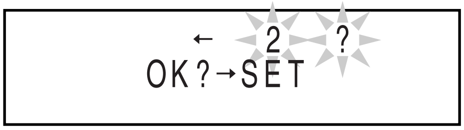


■想要移动的曲目（如上所示的曲目 2）正在播放时

1 反复按 MD TITLE/EDIT 选择 “MOVE?”。



2 按 SET。

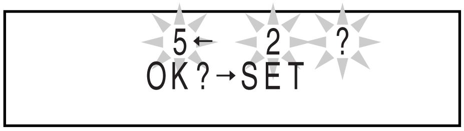


- 也可以用 ⊖PREVIOUS ⏮、NEXT⊕ ⏭ 或数字键选择曲目号。请参阅 “使用数字键”（☞ 第 17 页）。

3 按 SET。

4 按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择想要移动指定曲目的曲目号。

（选择如上所示的曲目 5）



- 也可以用数字键选择曲目号。请参阅 “使用数字键”（☞ 第 17 页）。
- 将曲目移动到群组中登记的曲目号时，该曲目被登记在群组中。将群组中登记的曲目移动到群组中没有登记的曲目号时，该曲目从群组登记中删除。

5 按 SET。

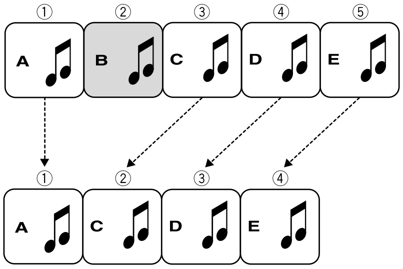
6 按 ENTER。

注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT 可以退出编辑操作。

删除单首曲目（ERASE） 常 用

例如：删除曲调 B

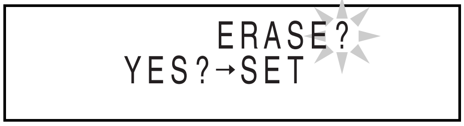


注 意

- 删除曲目后，无法恢复该曲目。删除曲目之前，请确定已经不再需要该曲目。

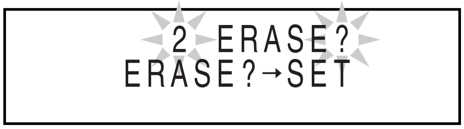
■想要删除的曲目（如上所示的曲目 2 ）正在播放时

1 反复按 MD TITLE/EDIT 选择“ ERASE? ”。



ERASE?
YES?→SET

2 按 SET 。



2 ERASE?
ERASE?→SET

- 也可以用 PREVIOUS 、NEXT 或数字键选择曲目号。请参阅“使用数字键”（☞ 第 17 页）。

3 按 SET 。

- 在所选曲目号之前添加 “ ✓”。
- 选择曲目错误时，请按 CANCEL 删除 “ ✓”。
- 可以用 PREVIOUS 、NEXT 或数字键和 SET 选择最多 15 首要删除的曲目。请参阅 “使用数字键”（☞ 第 17 页）。

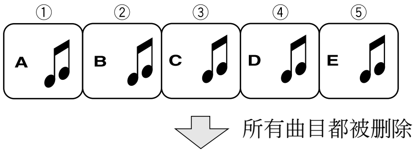
4 按 ENTER 。

5 确定已经不再需要这些曲目，然后按 ENTER.

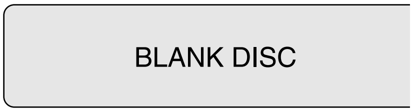
注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT 可以退出编辑操作。

删除所有曲目（ALL ERASE） 常 用



所有曲目都被删除。

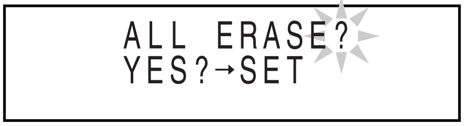


BLANK DISC

注 意

- 删除曲目后，无法恢复该曲目。删除曲目之前，请确定已经不再需要该曲目。

1 反复按 MD TITLE/EDIT 选择“ ALL ERASE? ”。



ALL ERASE?
YES?→SET

2 按 SET 。

3 确定已经不再需要所有曲目，然后按 ENTER.

注

- 按 MD TITLE/EDIT 可以退出编辑操作。

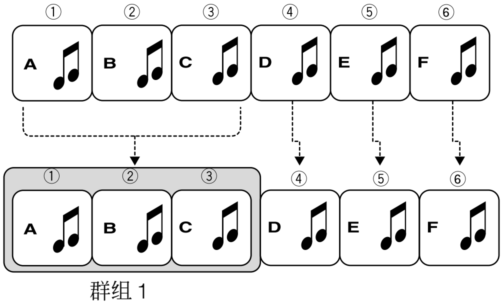
按群组编辑曲目

可以将曲目整理到最多 99 个群组中。

制作群组 (FORM GR)

可以将曲目编组。可以编组没有登记到任何群组中的连续曲目。

例如：将曲调 A 、曲调 B 和曲调 C 编入群组



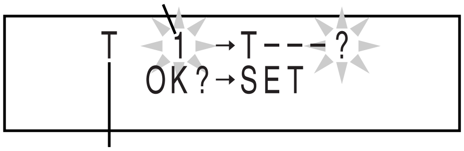
■想要指定为群组第 1 首的曲目（如上所示的曲目 1）正在播放时

1 **反复按 MD GROUP TITLE/EDIT 选择“ FORM GR? ”。**

- “GR”代表“GROUP”。

2 **按 SET 。**

群组中的第 1 首曲目号



“T”代表“TRACK”。

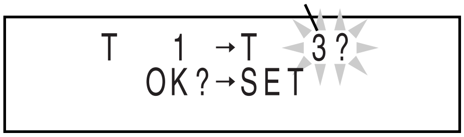
- 也可以用 PREVIOUS 、 NEXT 或数字键选择曲目号。请参阅“使用数字键”（ ☞ 第 17 页）。

3 **按 SET 。**

4 **按 PREVIOUS 或 NEXT 选择想要指定为群组最后一首曲目的曲目号。**

（选择如左所示中的曲目号 3 ）

群组中的最后一首曲目



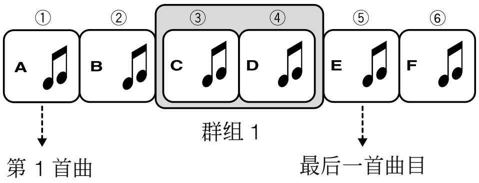
- 也可以用数字键选择曲目号。请参阅“使用数字键”（ ☞ 第 17 页）。

5 **按 SET 。**

6 **按 ENTER 。**

注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD GROUP TITLE/EDIT 可以退出编辑操作。
- 如果选择另一群组中的某首曲目，则出现“GROUP TRACK”并无法跳到下一步。
- 如果选择的连续曲目包括已经登记到另一群组中的某首曲目，则出现“CANNOT FORM!”并无法跳到下一步。

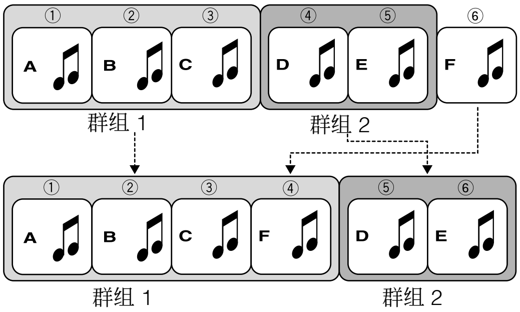


有关遥控键的位置，请参阅
第 58 页。

将曲目添加到群组 (ENTRY GR)

可以将曲目作为群组的最后一首曲目添加到指定的群组。

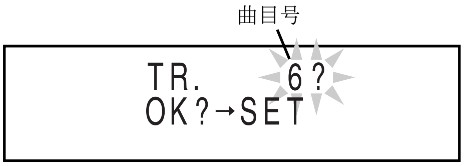
例如：将曲调 F 添加到群组 1



■想要添加到群组的曲目（如上所示的曲目 6）正在播放时

1　反复按 MD GROUP TITLE/EDIT 选择“ ENTRY GR? ”。

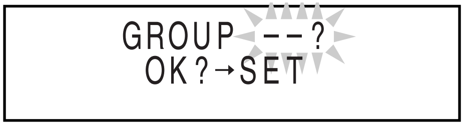
2　按 SET 。



```
TR.    6?
OK?→SET
```

- 也可以用 PREVIEWS ⏮、NEXT ⏭ 或数字键选择曲目号。请参阅“使用数字键”（☞ 第 17 页）。

3　按 SET 。



```
GROUP --?
OK?→SET
```

4　按 GROUP SKIP << 或 GROUP SKIP >> 选择想要添加曲目的群组。

（选择如上所示的群组 1）

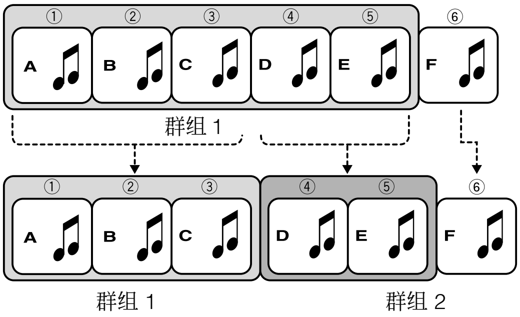
5　按 SET 。

6　按 ENTER 。

注
- 编辑期间，可以按 CANCEL 返回到上一步。按 MD GROUP TITLE/EDIT 可以退出编辑操作。
- 如果选择已经属于群组的某首曲目，则出现“CANNOT ENTRY!”并无法跳到下一步。

将单个群组分割为两个群组 (DIVIDE GR)

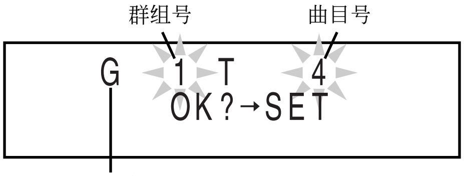
例如：将群组 1 分割为两个群组



■想要指定为第 2 个群组第 1 首的曲目（如上所示的曲目 4）正在播放时

1　反复按 MD GROUP TITLE/EDIT 选择“ DIVIDE GR? ”。

2　按 SET 。



```
G  1 T  4
 OK?→SET
```

“G”代表“GROUP”。

- 也可以用 PREVIOUS ⏮、NEXT ⏭ 或数字键选择曲目号。请参阅“使用数字键”（☞ 第 17 页）。
- 也可以用 GROUP SKIP << 或 GROUP SKIP >> 选择群组号。

3　按 SET 。

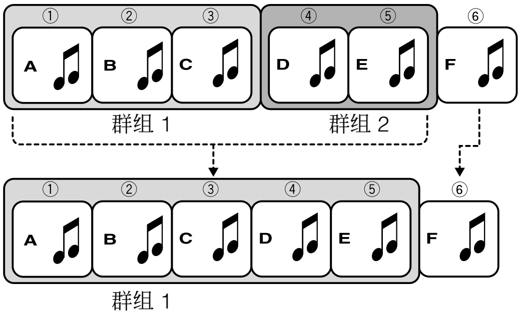
4　按 ENTER 。

注
- 编辑期间，可以按 CANCEL 返回到上一步。按 MD GROUP TITLE/EDIT 可以退出编辑操作。
- 如果选择群组中的第 1 首曲目或不属于该群组的某首曲目，则无法跳到下一步。
- 分割带标题的群组时，相同的标题被同时添加到被分割的群组。

合并群组 (JOIN GR)

可以合并两个相邻的群组。

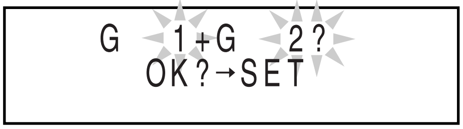
例如：合并群组 1 和群组 2



■想要将第 1 个群组合并到第 2 个群组，而第 2 个群组中的曲目（如上所示的群组 2 ）正在播放时

1 反复按 MD GROUP TITLE/EDIT 选择“ JOIN GR? ”。

2 按 SET 。



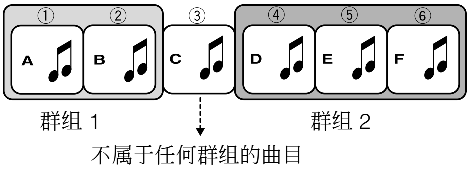
- 出现两个相邻的群组号。MD 中没有群组时，出现 “- -”。
- 也可以用 GROUP SKIP << 或 GROUP SKIP >> 选择群组号。

3 按 SET 。

4 按 ENTER 。

注

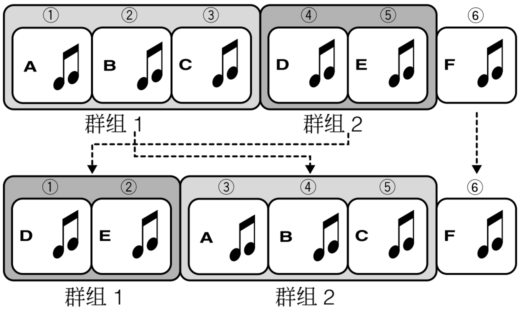
- 编辑期间，可以按 CANCEL 返回到上一步。按 MD GROUP TITLE/EDIT 可以退出编辑操作。
- 无法合并由不属于任何群组的曲目分割的两个群组。出现 “CANNOT JOIN”，然后显示返回到上一步。



- 合并带有标题的两个群组时，第 1 个群组的标题将保留为合并后群组的标题。

移动群组 (MOVE GR)

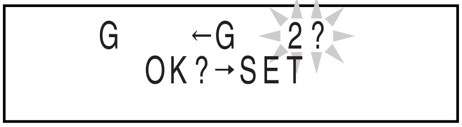
例如：移动群组 2



■想要移动的群组中的某首曲目（如上所示的群组 2 ）正在播放时

1 反复按 MD GROUP TITLE/EDIT 选择“ MOVE GR? ”。

2 按 SET 。

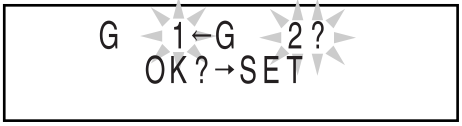


- 也可以用 GROUP SKIP << 或 GROUP SKIP >> 选择群组号。

3 按 SET 。

4 按 GROUP SKIP << 或 GROUP SKIP >> 选择指定群组所要移动到的群组号。

（选择如上所示的群组 1 ）



5 按 SET 。

6 按 ENTER 。

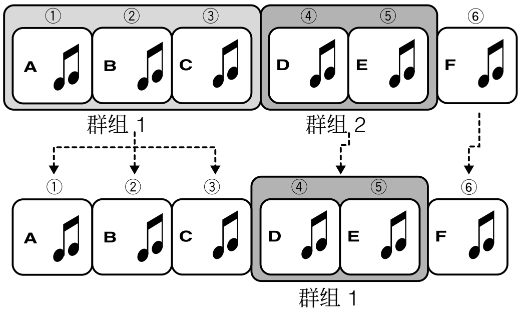
注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD GROUP TITLE/EDIT 可以退出编辑操作。

取消群组 (UNGROUP/UNGR ALL)

取消指定的群组（UNGROUP）

例如：取消群组 1

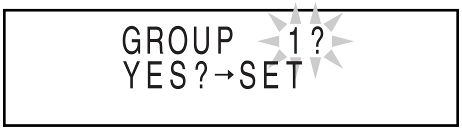


■想要取消的群组中的某首曲目（如上所示的群组 1）正在播放时

1 反复按 MD GROUP TITLE/EDIT 选择 “UNGROUP?”。

2 按 SET 。

例如： 想要取消群组 1 时



- 也可以用 GROUP SKIP << 或 GROUP SKIP >> 选择群组号。

3 按 SET 。

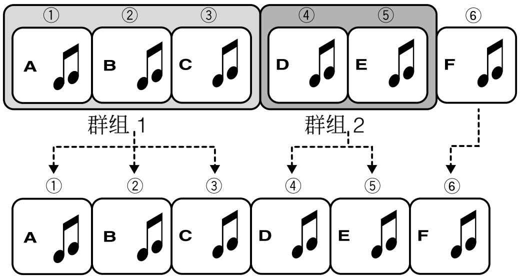
4 按 ENTER 。

注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD GROUP TITLE/EDIT 可以退出编辑操作。

取消所有群组 (UNGR ALL)

例如：取消所有群组



1 反复按 MD GROUP TITLE/EDIT 选择 “UNGR ALL?”。

- “UNGR” 代表 “UNGROUP”。

2 按 SET 。

3 按 ENTER 。

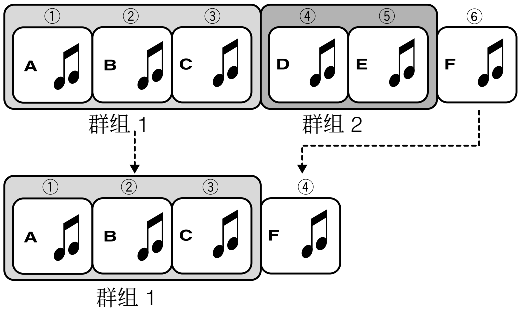
注

- 按 MD GROUP TITLE/EDIT 可以退出编辑操作。

删除群组 (ERASE GR)

可以删除群组（包括群组中的所有曲目）。

例如：删除群组 2



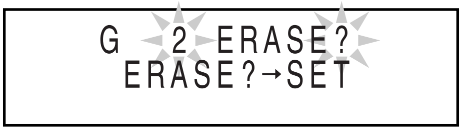
注 意

- 删除曲目后，无法恢复该曲目。删除曲目之前，请确定已经不再需要该曲目。

■想要删除的群组中的某首曲目（如上所示的群组 2）正在播放时

1 反复按 MD GROUP TITLE/EDIT 选择“ ERASE GR? ”。

2 按 SET。


G 2 ERASE?
ERASE?→SET

- 也可以用 GROUP SKIP << 或 GROUP SKIP >> 选择群组号。

3 按 SET。

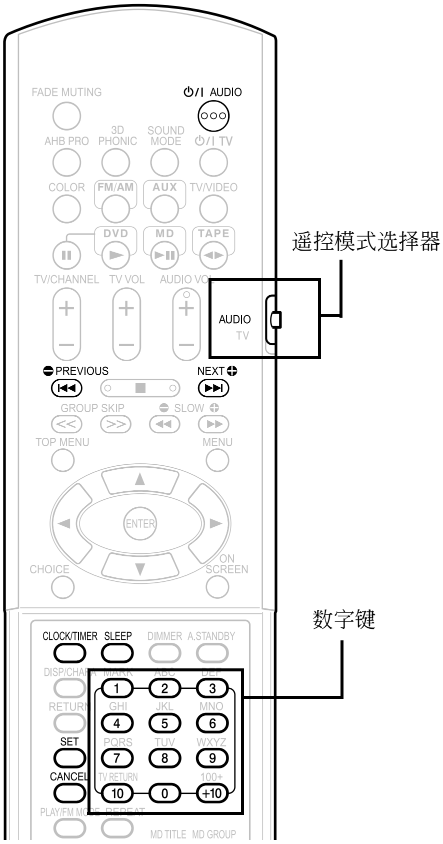
4 **确定已经不再需要这些曲目，然后按 ENTER。**

注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD GROUP TITLE/EDIT 可以退出编辑操作。

使用定时器

预先设置时钟（☞ 第 17 页）。



注

- 将遥控模式选择器设为 AUDIO，然后使用数字键。

睡眠定时器

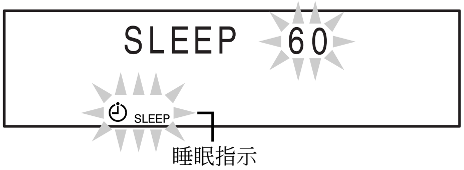
指定的时间过后，本机自动关闭。

按 SLEEP 。

- 每按一次 SLEEP，时间显示（分钟）变化如下。

10 → 20 → 30 → 60 → 90 → 120 → 150 → 取消（睡眠指示消失。）→ 10

例如：睡眠定时器设为 60 分钟时的显示



注

- 设置睡眠定时器后，显示器窗口自动变暗。
- 设置时钟之前（“0:00”正在闪烁时），如果按 SLEEP，出现“CLOCK ADJUST!”。

更改睡眠定时器设置

- 反复按 SLEEP 再次选择时间。

确认睡眠定时器设置（剩余时间）

- 激活睡眠定时器时，按 SLEEP 一次。

录制定时器

可以使用录制定时器功能将 FM/AM 广播或其他设备的声音录制到 MD 或磁带。

录制定时器和播放定时器设置共计 3 种（☞ 第 70 页）。

注

- 新的设置代替原先的定时器设置后，定时器设置才会更改。

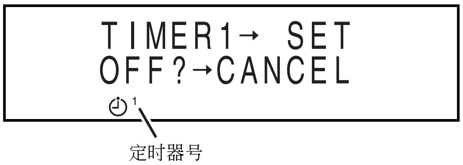
1 准备录制。

广播	预设想要录制的广播电台。 （☞ 第 21 页）
其他设备	请参阅设备的操作说明书。
MD 录制	插入 MD。（☞ 第 46 页）
磁带录制	插入磁带。（☞ 第 43 页）

（接下页）

2 反复按 CLOCK/TIMER 选择“ TIMER1 ”、“ TIMER2 ”或“ TIMER3 ”。

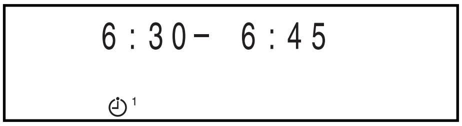
例如：选择“ TIMER1 ”时


TIMER1→ SET
OFF?→CANCEL

3 按 SET 。

4 按 ⊖PREVIOUS ⏮、NEXT⊕ ⏭ 或 SET 设置开始时间和结束时间。

例如：如需将录制时间设为 6:30 a.m. 到 6:45 a.m.


6:30- 6:45

- 用数字键可以设置录制时间。请参阅“使用数字键”（ ☞ 第 17 页）。
- 有关设置时钟，请参阅“设置时钟”（ ☞ 第 17 页）。

输入“小时”→ SET → 输入“分钟”→ SET

5 按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择“ ONCE ”或“ EVERYDAY ”。

ONCE ：录制定时器工作一次。
EVERYDAY ：录制定时器每天工作。

6 按 SET 。

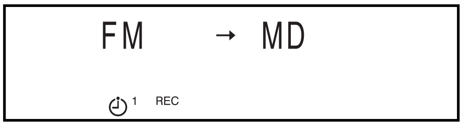
7 按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择“ REC TIMER ”。

- “REC”代表“录制”。

8 按 SET 。

9 按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择音源和录制媒体的组合。

例如：将 FM 广播录制到 MD


FM → MD

- 想要录制其他设备的声音时，无法使用录制定时器功能在本产品以外的任何设备上进行播放。
- “AUX-D”代表“AUX-DIGITAL”。

■想要录制 FM/AM 广播时

- 按 SET ，然后按 ⊖PREVIOUS ⏮、NEXT⊕ ⏭ 或数字键选择想要录制的广播的电台预设号码。请参阅“使用数字键”（ ☞ 第 17 页）。

10 按 SET 。

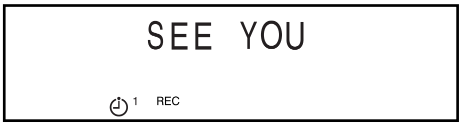
- 使用 MD 作为录制媒体时，请跳到步骤 11 。
- 使用磁带作为录制媒体时，显示器窗口中出现设置。确认设置，然后跳到步骤 13 。

11 按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择 MDLP 模式（ ☞第 51 页）。

12 按 SET 。

- 显示器窗口中出现设置。

13 本机打开时，按 ⏻/I AUDIO 关闭本机。


SEE YOU

- 录制定时器正在工作时，音量被设为“0”，扬声器或耳机没有发出任何声音。
- 录制定时器仅在本机关闭时可用。

注

- 操作期间，可以按 CANCEL 返回到上一步。按 CLOCK/TIMER 可以退出录制定时器设置。设置不被保存。
- 想要更改曲目标记选项时，请在设置录制定时器之前或之后进行更改。（ ☞ 第 54 页的步骤 3 和 4 ）

取消录制定时器

在第 69 页上的步骤 2 中，选择想要取消的定时器编号，然后按 CANCEL 。

即使取消录制定时器，设置依旧被保存。

再次激活录制定时器

在第 69 页上的步骤 2 中，选择想要激活的定时器编号，然后反复按 SET ，直到所有设置操作结束。然后关闭本机。

注

- 想要激活两个或三个录制定时器时，请在第 1 个录制定时器的结束时间和第 2 个录制定时器的开始时间之间预留 2 分钟或更多空白时间。如果空白时间少于 2 分钟，则第 2 个录制定时器不起作用。
- 电源插头断开或断电时，录制定时器设置可能丢失。如果设置丢失，请再次设置时钟和录制定时器。

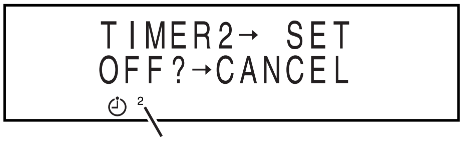
播放定时器

1 准备想要播放的音源。

光盘	确保已经装载光盘。 （☞ 第 22 页）
MD	插入 MD 。（☞ 第 46 页）
磁带	插入磁带。（☞ 第 43 页）
广播	预设想要聆听的广播电台。（☞ 第 21 页）
其他设备	请参阅设备的操作说明书。

2 反复按 CLOCK/TIMER 选择 “ TIMER1 ”、“ TIMER2 ” 或 “ TIMER3 ”。

例如：选择 “ TIMER2 ” 时



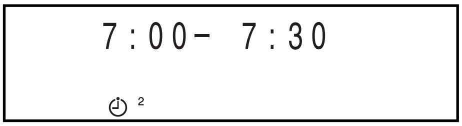
```
TIMER2→ SET
OFF?→CANCEL
```

定时器号

3 按 SET 。

4 按 ⊖PREVIOUS ⏮ 、NEXT⊕ ⏭ 或 SET 设置开始时间和结束时间。

例如：如需将播放时间设为 7:00 a.m. 到 7:30 a.m.



```
7:00- 7:30
```

- 用数字键可以设置播放时间。请参阅 “使用数字键”（☞ 第 17 页）。
- 有关设置时钟，请参阅 “设置时钟”（☞ 第 17 页）。

输入 “小时” → SET → 输入 “分钟” → SET

5 按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择 “ ONCE ” 或 “ EVERYDAY ”。

ONCE	：播放定时器工作一次。
EVERYDAY	：播放定时器每天工作。

6 按 SET 。

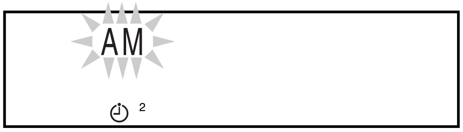
7 按 ⊖PREVIOUS ⏮ 或 NEXT⊕ ⏭ 选择 “ PLAY TIMER ”。

（接下页）

8 按 SET 。

9 按 PREVIOUS 或 NEXT 选择想要播放的音源。

例如： 想要聆听 AM 广播时



- 想要聆听其他设备的声音时，无法使用播放定时器功能在本产品以外的任何设备上进行播放。
- 播放定时器功能无法与光盘或 MD 的编程播放、重复播放、随机播放、或群组播放同时使用。

■想要聆听 FM/AM 广播时

- （选择 “FM” 或 “AM” 时）按 SET ，然后按 PREVIOUS 、NEXT 或数字键选择想要聆听的广播的电台预设号码（ ☞ 第 21 页）。请参阅 “使用数字键”（ ☞ 第 17 页）。

■想要播放 DVD 视频或 DVD 音频时

- （选择 “DVD/CD” 时）按 SET 两次。无论显示的群组号 (G) 和曲目号 (T) 如何，仅可以从光盘的开始位置播放 DVD 视频或 DVD 音频。

■想要播放 CD 、VCD 、 SVCD 或 MD 时

- （选择 “DVD/CD” 时）按 SET 两次，然后按 PREVIOUS 、NEXT 或数字键选择想要开始播放的曲目号 (T)。请参阅 “使用数字键”（ ☞ 第 17 页）。 群组号 (G) 被忽略。

■想要指定 MP3 或 WMA 的起始播放曲目时

- （选择 “DVD/CD” 时）按 SET ，然后按 PREVIOUS 、NEXT 或数字键选择要播放的群组号 (G)，接着按 SET ，然后按 PREVIOUS 、NEXT 或数字键选择要播放的曲目号 (T)。请参阅 “使用数字键”（ ☞ 第 17 页）。

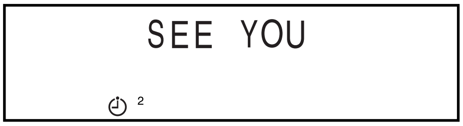
10 按 SET 。

11 按 PREVIOUS 或 NEXT 调节播放音量。

12 按 SET 。

- 显示器窗口中出现设置。

13 本机打开时，按 ⏻/I AUDIO 关闭本机。



- 播放定时器仅在本机关闭时可用。

注

- 操作期间，可以按 CANCEL 返回到上一步。按 CLOCK/TIMER 可以退出播放定时器设置。设置不被保存。
- 播放定时器开始工作时，音量逐步增加到所选的电平。

取消播放定时器功能

在第 70 页上的步骤 2 中，选择想要取消的定时器编号，然后按 CANCEL 。
即使取消播放定时器，设置依旧被保存。

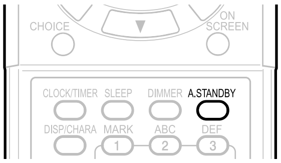
再次激活播放定时器

在第 70 页上的步骤 2 中，选择想要激活的定时器编号，然后反复按 SET ，直到所有设置操作结束。然后关闭本机。

注

- 想要激活两个或三个播放定时器时，请在第 1 个播放定时器的结束时间和第 2 个播放定时器的开始时间之间预留 2 分钟或更多空白时间。如果空白时间少于 2 分钟，则第 2 个播放定时器不起作用。
- 电源插头断开或断电时，播放定时器设置可能丢失。如果设置丢失，请再次设置时钟和播放定时器。
- 对 DVD 视频、DVD 音频或 VCD 操作播放定时器时，可能无法自动播放声音和视频。DVD 视频、DVD 音频或 VCD 可能包含光盘菜单，该菜单在首次播放时出现。只有在光盘菜单上选择了需要播放的项目时，才会出现声音或视频。

自动待机

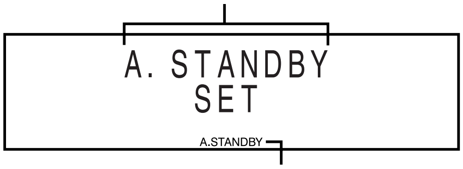


选择 FM/AM 广播以外的音源时，如果 3 分钟内没有发出声音，则本机自动关闭。

■选择 FM/AM 广播以外的音源时

按 A.STANDBY 。

“A. STANDBY” 代表 “自动待机”。



自动待机指示

自动待机性能

播放或录制光盘、MD 或磁带时：

播放或录制结束时，自动待机开始倒计时（“A. STANDBY” 指示闪烁）。3 分钟内没有进行任何操作时，本机自动关闭。

在 3 分钟内开始播放或录制时，播放或录制结束后，自动待机再次开始倒计时。

播放和录制以外的操作结束且 3 分钟内没有进行任何操作时，本机自动关闭。

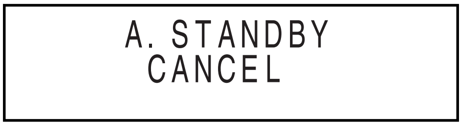
聆听其他设备的声音时：

没有产生任何声音时，自动待机开始倒计时（“A. STANDBY” 指示闪烁）。3 分钟内没有进行任何操作时，本机自动关闭。

关闭本机前 20 秒，“A. STANDBY OFF” 指示开始闪烁。

取消自动待机

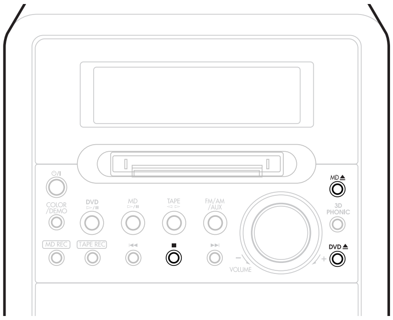
再次按 A.STANDBY 。



注

- 将音量保持在 “0” 并不等同于没有发出声音，因此，不会启动自动待机功能。

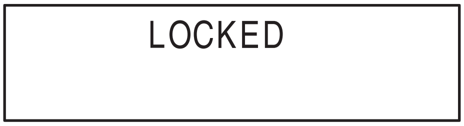
光盘 /MD 弹出锁定



可以禁止光盘和 MD 的弹出。

■本机关闭时

按住 ■ 的同时，按本机上的 DVD⏏ 。



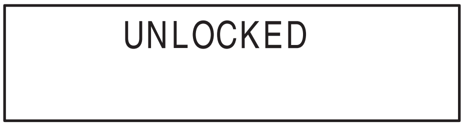
即使按 DVD⏏ 或 MD⏏ ，显示器窗口中也会出现 “LOCKED”，光盘或 MD 不会弹出。

此外，本机关闭时，如果按 DVD⏏ 或 MD⏏，显示器窗口中出现 “LOCKED” 且本机不会打开。

取消光盘 /MD 弹出锁定

■本机关闭时

再次进行上述操作。

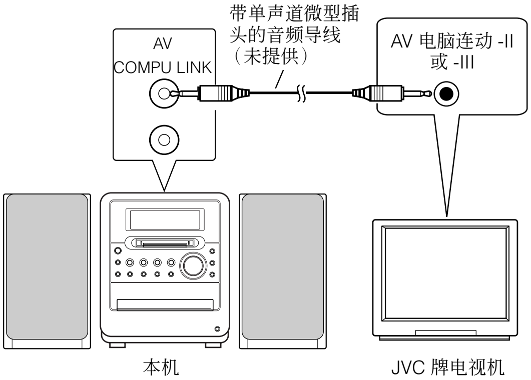


使用 AV 电脑连动

JVC AV 电脑连动系统能让您通过最简单的操作即可欣赏视频或音频。如果您的 JVC 电视机支持 JVC AV 电脑连动系统，则只需启动本机即可自动进行电视机上所有必需的设置，让您享受播放的乐趣。

连接和设置

- 需要仔细阅读所连接设备的说明书。



如下设置本机的 AV 电脑连动功能（☞ 第 40 页）。

- 连接到电视机的 VIDEO-1 输入端子时：DVD 2
- 连接到电视机的 VIDEO-2 输入端子时：DVD 3
- 连接到电视机的 VIDEO-3 输入端子时：DVD 1

操作

只需在本机开始播放即可欣赏声音或视频。无需选择电视机的输入设置，或预先打开电视机。

1 **打开电视机的主电源。**

2 **将光盘插入本机。**

3 **按本机上的 DVD ► 。**

自动进行以下操作。
- 电视机将会打开。
- 电视机输入将会切换到本机的外部输入（视频 1、2 或 3）。

关闭本机时，电视机的电源不会关闭。

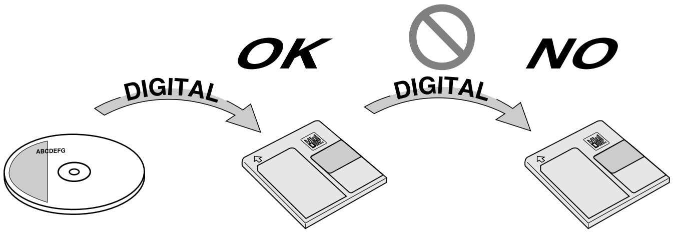
有关 MD 的限制

由于 MD 录制方法存在某些限制，可能发生下列现象。下列现象并非是本产品的故障。

现象	可能的原因
即使 MD 上显示的可录制时间存在剩余，仍然出现 “DISC FULL”。	无论可录制时间是否有剩余，MD 都将限制可录制曲目的数目。无法将 255 首或更多曲目录制到单张 MD 。（单张 MD 最多可以录制 254 首曲目。）
即使曲目数量和可录制时间都没有达到限制，仍然出现 “DISC FULL”。	反复进行片断删除和录制将在 MD 上造成许多空白。 将曲目录制到该 MD 时，曲目被分割，曲目的小片断将被录制到各个空白。 此类分割片断的数量增加时，可能出现 “DISC FULL”。 （在 SP 模式（标准立体声录制模式）下），分割片断为 8 秒或以下时，无法将该片断合并到另一曲目。 此外，删除该片断时，剩余可录制时间不会增加。 对于分割到许多空白中的曲目，快进或快倒可能产生断断续续的声音丢失。 无法合并具有不同 MDLP 模式 (SP/LP2/LP4) 的曲目。
无法合并曲目或群组。	
即使删除某些曲目后，剩余可录制时间也不会增加。	
快进或快倒时，声音会断断续续丢失。	
录制时间和剩余时间之和短于 MD 显示的可录制总时间。	仅 MD 上存在连续 12 秒或更多时间空白 （ SP 模式）时，才可进行 MD 录制。 包含许多空白的 MD 的实际录制时间缩短。

连续复制管理系统 (SCMS)

连续复制管理系统保护版权，仅允许从数字可录制源复制原版数字副本。



注 意

- SCMS 不允许将数字录制 MD 的声音作为数字声音录制到其他媒体。

高速复制管理系统 (HCMS)

能够以高于正常录制的速度将声音录制到 MD 。因此，为了保护版权，需要进行限制。

本产品使用高速录制功能录制 CD 的曲目时，在第 1 次录制开始的 74 分钟之内，本产品不允许使用高速录制功能将 CD 的同一曲目录制到 MD 。

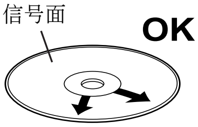
例如，使用高速录制功能将 CD 的曲目 1 录制到 MD 时，第 1 次高速录制开始后的 74 分钟之内，无法以高速录制功能将曲目 1 再次录制到 MD。此外，在 74 分钟之内，无法使用高速录制功能录制 101 首或更多的曲目。

使用光盘 /MD/ 磁带

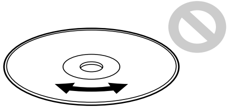
使用光盘

- 请勿将胶带或标签粘贴到光盘或在光盘上书写。
- 请勿弯曲光盘。
- 请勿使用心形 / 花形光盘或其他不规则形状的光盘。 使用上述光盘会损坏本机。

清洁光盘



使用软布自中心向外擦拭光盘。

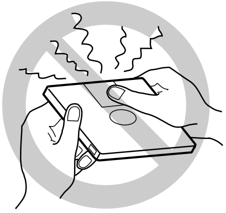


集中于某部分的擦伤导致声音丢失。

- 请勿使用稀释剂、苯、模拟唱片清洁剂或其他化学溶剂。

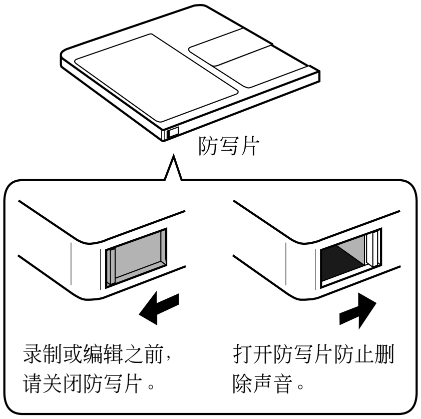
使用 MD

- 请勿打开挡板。强行打开挡板将损坏 MD 。



防止丢失重要的录音

- MD 装有防写保护片，可以防止意外删除录制的声音。



录制或编辑之前，请关闭防写片。

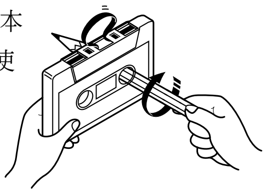
打开防写片防止删除声音。

注

- 请勿将标签（如指示 CD/ 曲目标题或其他注释）粘贴在 MD 指定位置以外的任何部位。在标签超出指定区域、剥落、或者粘贴不正确的情况下插入 MD 可能损坏本机。

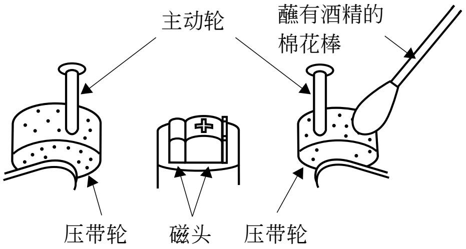
使用磁带

- 松弛的磁带可能缠绕在本机内部并损坏本机。 使用磁带之前，如右所示卷紧松弛的磁带。请勿拉出磁带或触摸磁带表面。



清洁磁头

- 在音量下降或声音质量降低之前，约每播放 10 小时清洁一次磁头、压带轮和主动轮。



清洁本机机壳

- 使用柔软的干布轻轻掸掉机壳表面的灰尘。 机壳非常脏时，请用水稀释的中性洗涤剂润湿布，拧干润湿的布，然后使用该布擦拭机壳，最后使用柔软的干布擦拭。
- 请勿使用稀释剂或苯擦拭机壳。使用上述物品擦拭机壳可能导致机壳褪色或油漆剥落。请勿将杀虫剂或其他易挥发的物品喷洒到机壳上。请勿将橡胶或塑料长时间遗留在机壳上。

MD/ 光盘讯息

MD 讯息	含义	可能的解决方法
CANNOT ENTRY!	曲目已经属于所选群组中。	选择适当的曲目。（☞ 第 64 页）
CANNOT FORM!	所选曲目之间存在某个群组。	选择适当的曲目。（☞ 第 63 页）
CANNOT GROUP!	用于保存群组信息的空间不足。 （群组信息和标题信息保存的位置相同。）	无法在 MD 上制作更多的群组。（删除不需要的光盘标题或曲目标题。）
CANNOT JOIN	试图合并具有不同 MDLP 模式（SP/LP2/LP4）的曲目、仅 8 秒或更少时间的曲目 （SP 模式）。	MD 系统限制此类操作。
CANNOT LISTEN	试图在高速录制时调节音量。	在高速录制时，无法聆听 CD 的声音。
CANNOT REC	试图在 PBC 播放期间操作以 VCD 或 SVCD 录制的曲目。	关闭 PBC （☞ 第 24 页）。
CANNOT TITLE	试图将总共 1 793 或更多的字符输入 MD。	无法输入更多的标题。
READ ERROR	本机无法读取 MD。	关闭本机。 如果再次出现相同的讯息，可能是 MD 出现故障。请更换 MD 。
DISC FULL	MD 中没有更多的空间，试图录制 255 首或更多的曲目。	请更换 MD 。（☞ 第 74 页）
DISC PROTECTED	MD 写保护。	关闭 MD 上的防写片。（☞ 第 75 页）。
EMERGENCY STOP	录制期间发生的故障。	按 ■◎ 退出录制，然后按 MD▲◎ 弹出 MD，接着重新开始录制。
GROUP FULL	试图制作 100 个或更多的群组。	可以最多制作 99 个群组
GROUP TRACK	试图使用包含于另一群组中的曲目制作群组。	选择未属于任何群组的曲目。（☞ 第 63 页）
LOAD ERROR	MD 没有正确装载。	请正确插入 MD 。
MD NO DISC	没有装载 MD 。	—
NON-AUDIO CANNOT COPY	试图将所连设备的非线性 PCM 数字声音录制到 MD。	将数字输出设置到所连数字设备的线性 PCM 。（有关详情，请参阅所连设备的使用说明书。）
PLAYBACK DISC	试图编辑或录制到仅限于播放的 MD。	请用可录制的 MD 更换该 MD 。
SCMS CANNOT COPY	试图进行 CD-R 或 CD-RW 的数字音频复制。	以常速操作模拟录制。（☞ 第 53 页）
TRACK PROTECTED	试图分割、合并或删除以 Net MD 格式录制的曲目。	请在兼容 Net MD 的设备上编辑曲目。
	曲目在本产品以外的设备上处于写保护状态。	在录制这些曲目的设备上编辑曲目。
HCMS CANNOT COPY	使用高速录制功能开始录制某首曲目的 74 分钟之内，试图使用高速录制功能录制同一曲目。	请等待 74 分钟，或从高速录制更改为常速录制。
BLANK DISC	MD 中没有曲目。	—

光盘讯息	含义	可能的解决方法
CANNOT PLAY	试图播放不可播放的光盘或带有许多擦痕的光盘。	请更换光盘。
NO DISC	没有装载光盘。	—
NO AUDIO	光盘可能为非法复制的光盘。	无法聆听光盘。
LR ONLY	正在播放禁止向下混音的多声道曲目。	这是正常操作。

故障排除

问题	可能的原因	可能的解决方法	参考页
没有声音 / 视频。	错误连接。	正确连接所有导线。	11
	连接耳机。	拔下耳机插头。	8
时钟显示闪烁。	电源故障，或电源插头被拔下。	重置时钟。	17
光盘播放没有开始。	光盘上下倒置。	印字面向上将光盘放置到光盘托架上。	22
	镜头结露。	打开本机电源，约等待 1 或 2 小时，然后操作本机。	3
某处无法正确播放。	光盘被擦伤或脏了。	请清洁或更换光盘。	75
	MD 上发生错误。	再次录制到 MD 。	51
磁带播放的音量低。	磁头或主动轮脏了。	请清洁磁头或主动轮。	75
无法录制 MD/ 磁带。	MD/ 磁带写保护。	请取消写保护。	55, 75
无法接收广播。	没有连接天线。	连接天线。	11
产生啸声。	本机放置在电视机、电脑或其他电器附近。	将本机远离电视机、电脑或其他电器放置。	3
无法设置定时器。	没有设置时钟。	请设置时钟。	17
定时器不工作。	本机被打开。	设置定时器后，请关闭本机。	69, 71
无法操作遥控器。	遥控器电池电量较低。	请用新电池予以更换。	9
无法使用遥控器上数字键操作本机。	将遥控器上的遥控模式选择器拨到 TV 侧。	将遥控模式选择器设为 AUDIO 。	17
打开本机时，噪声从本机后方传出。	内部冷却风扇旋转时产生噪声。	噪声并非故障。风扇旋转是为了防止本机过热。	13, 18

●即使采用上述可能的解决方案后本产品依然无法正确工作

本产品的许多功能都通过微机实现。如果故障是由于雷电或静电所导致，或即使按了某个键本机也无法正确工作，请从 AC 插座拔下电源插头，稍等片刻，接着重新连接本产品。然后重置时钟。

规格

■ MD/DVD 接收器（CA-UXQD7）

放大器

输出功率	20 W + 20 W， 4 Ω (10% THD)
输入端子	
＜模拟＞	AUX ×1， 500 mV/47 kΩ: LEVEL1 250 mV/47 kΩ: LEVEL2
＜数字＞	数字光纤输入 ×1 -23 dBm 到 -15 dBm （光纤方形端子） （兼容 32 kHz、 44.1 kHz 和 48 kHz 的频率）
输出端子	
＜模拟＞	扬声器 ×1， 20 W/4 Ω 阻抗 4 Ω - 16 Ω 耳机（×1）， 25 mW/32 Ω 阻抗 16 Ω - 1 kΩ
＜数字＞	DVD/CD 光纤输入 ×1 -23 dBm 到 -15 dBm （光纤方形端子）
<其他>	AV COMPU LINK ×2 (ϕ 3.5)

调谐器

频率	FM：87.50 MHz-108.00 MHz AM：531 kHz -1 710 kHz （9 kHz 间隔） 530 kHz -1 710 kHz （10 kHz 间隔）

DVD 播放机

可播放的光盘	DVD 视频、 DVD 音频、 CD、 VCD、 SVCD、 CD-R/CD-RW （CD、 VCD、 SVCD、 MP3/WMA/JPEG 格式）、 DVD-R/DVD-RW （视频格式）

MD 录制机

音频播放系统	微型光盘数字音频系统
录制系统	磁光覆写系统
读取系统	无接触，半导体激光拾音
录制 / 播放时间（使用单张 80 分钟 MD 时）	SP: 80 分钟 LP2: 160 分钟 LP4: 320 分钟
取样率	44.1 kHz
音频压缩系统	ATRAC （自适应声学转换编码）/ATRAC3 (MDLP)

盒式录音机

频率响应	
正常（Ⅰ型）	60 Hz - 14 000 Hz
抖晃	0.15% (WRMS)

一般规格

电源	AC 220 V〜， 50 Hz
功耗	70 W （工作时） 1.3 W （待机时）
尺寸	165 mm （宽） × 200 mm （高） × 355mm （深）
质量（约）	5.1 kg

■ 扬声器 (SP-UXQD6)

系统	3 路低音反射型，磁屏蔽型
扬声器	低音扬声器：10 cm × 1 中音扬声器：4 cm × 1 高音扬声器：1.5 cm × 1
最大输出功率	20 W
阻抗	4 Ω
频率范围	58 Hz -40 kHz
声压级	85 dB/W•m
尺寸	135 mm （宽） × 200.5 mm （高） × 211.5 mm （深）
质量（约）	2.0 kg （单个）

■ MD 微型组合音响（UX-QD7）

一般规格

尺寸	435 mm （宽） × 200.5 mm （高） × 355mm （深）
质量（约）	9.1 kg

- 经 Dolby Laboratories 许可的美国和其他国家的专利。

EN, CS

0904SKMMODJEM

JVC Instructions MICRO COMPONENT MD SYSTEM UX-QD7M/UX-QD7W