IMPORTANT SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

For U.S.A.

TO THE USER

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CAUTION
Changes or modifications to this equipment not expressly approved by TEAC CORPORATION for compliance could void the user's authority to operate this equipment.

In North America use only on 120V supply.

For European Customers

WARNING
This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Disposal of electrical and electronic equipment
(a) All electrical and electronic equipment should be disposed of separately from the municipal waste stream via collection facilities designated by the government or local authorities.
(b) By disposing of electrical and electronic equipment correctly, you will help save valuable resources and prevent any potential negative effects on human health and the environment.
(c) Improper disposal of waste electrical and electronic equipment can have serious effects on the environment and human health because of the presence of hazardous substances in the equipment.
(d) The Waste Electrical and Electronic Equipment (WEEE) symbol, which shows a wheeled bin that has been crossed out, indicates that electrical and electronic equipment must be collected and disposed of separately from household waste.
(e) Return and collection systems are available to end users. For more detailed information about the disposal of old electrical and electronic equipment, please contact your city office, waste disposal service or the shop where you purchased the equipment.

CE Marking Information
a) Applicable electromagnetic environment: E4
b) Peak inrush current: 17 A

This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number

Serial number

In North America use only on 120V supply.
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- Do not expose this apparatus to drips or splashes.
- Do not place any objects filled with liquids, such as vases, on the apparatus.
- Do not install this apparatus in a confined space such as a book case or similar unit.
- The apparatus draws nominal non-operating power from the AC outlet with its POWER or STANDBY/ON switch not in the ON position.
- The apparatus should be located close enough to the AC outlet so that you can easily grasp the power cord plug at any time.
- The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
- Products with Class I construction are equipped with a power supply cord that has a grounding plug. The cord of such a product must be plugged into an AC outlet that has a protective grounding connection.
- If the product uses batteries (including a battery pack or installed batteries), they should not be exposed to sunshine, fire or excessive heat.
- CAUTION for products that use replaceable lithium batteries: there is danger of explosion if a battery is replaced with an incorrect type of battery. Replace only with the same or equivalent type.
- Caution should be taken when using earphones or headphones with the product because excessive sound pressure (volume) from earphones or headphones can cause hearing loss.
Safety Information

■ Notes on Laser Product (SS-CDR200)
This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968", and is classified as a class 1 laser product. There is no hazardous invisible laser radiation during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is shown at ①.

For USA

CERTIFICATION
COMPLIES WITH 21 CFR 1040.10 AND 1040.11 EXCEPT FOR DEVIATIONS PURSUANT TO LASER NOTICE NO. 50, DATED JULY 28, 2001

①

CAUTION
• DO NOT REMOVE THE PROTECTIVE HOUSING USING A SCREWDRIVER.
• USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
• IF THIS PRODUCT DEVELOPS TROUBLE, CONTACT YOUR NEAREST QUALIFIED SERVICE PERSONNEL, AND DO NOT USE THE PRODUCT IN ITS DAMAGED STATE.
• CLASS 1M INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

■ Optical pickup
Type : HOP-6201TC
Manufacturer : Hitachi Media Electronics Co,Ltd.
Laser output : Less than 75 mW on the objective lens (record)
Wavelength : 777 to 787 nm

■ Rack-Mounting the Unit
Use the supplied rack-mounting kit to mount the unit in a standard 19-inch rack, as shown below.

Remove the feet of the unit before mounting.

NOTE
• Leave 1U of space above the unit for ventilation.
• Allow at least 10 cm (4 in) at the rear of the unit for ventilation.
<table>
<thead>
<tr>
<th>品名</th>
<th>机种：SS-CDR200</th>
<th>有毒有害物质或元素</th>
<th>机种：SS-R200/SS-R100</th>
<th>有毒有害物质或元素</th>
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<td></td>
<td>铅 (Pb)</td>
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<td>6 电源部分</td>
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○：表示该有毒有害物质在该部件所有均质材料中的含有量均在 SJ/T 11363-2006 标准规定的限量要求以下。
×：表示该有毒有害物质至少在该部件的某一均质材料中的含有量超过 SJ/T 11363-2006 标准规定的限量要求。
（针对现在代替技术困难的电子部件及合金中的铅）
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Please read this manual thoroughly before using the unit so that you understand correct operating procedures and can use its functions fully. We hope that you enjoy using this unit for many years.

Please keep this manual so that you can read it at any time. A digital copy of this manual can also be downloaded from our website (http://tascam.com/)

**SS-CDR200, SS-R200 and SS-R100 differences**

The SS-R200 model adds XLR balanced inputs and outputs, serial and parallel control connectors and EOM functions to the features of the SS-R100.

The SS-CDR200 model adds a CD drive to the features of the SS-R200.

The rear panels of the SS-CDR200 and SS-R200 models have XLR balanced input and output connectors as well as RCA unbalanced input and output connectors. The input signal can be set to either the XLR balanced inputs or the RCA unbalanced inputs.

**Features**

- 2-channel audio recorders can use USB memory, SD cards and CF cards
- SS-CDR200 units can also use CDs
- 1U rack-mount size
- Using USB memory, SD and CF cards, playback and recording of files in MP3 (44.1/48 kHz) and WAV formats is possible (44.1/48 kHz, 16/24-bit, 24-bit can only be played back)
- Using CD media, playback and recording of files in audio CD (CD-DA) and MP3 formats, as well as playback of WAV format files is possible (SS-CDR200 only)
- Built-in parallel and serial control ports can be used for remote control (SS-CDR200/SS-R200 only)
- Flash start function enables instant playback starting
- Pitch control, key control and other playback control functions
- Play area can be set as desired using playlists and folders
- Track editing (WAV files only)
- Built-in clock for time-stamping
- Balanced (SS-CDR200/SS-R200 only) and unbalanced analog audio inputs and outputs
- Coaxial digital audio inputs and outputs
- Included wired remote control allow reliable remote operation
- Control and character input using a PS/2 and USB keyboards possible
- Transport and pitch can be controlled using a TASCAM RC-3F footswitch (sold separately)
- Flash start using TASCAM RC-20 Direct Play Remote (sold separately) supported

**Included items**

This product includes the following items. Take care when opening the package not to damage the items. Keep the package materials for transportation in the future.

Please contact the retailer where you purchased this unit if any of these items are missing or have been damaged during transportation.

- Main unit................................................................. 1
- AC power cord .......................................................... 1
- RC-SS2 remote control unit (with 5 m cable) ............ 1
- A rack-mounting screw kit........................................ 1
- Security Screw......................................................... 2
- A warranty card ...................................................... 1
- Owner’s manual (this manual) ............................... 1

**Conventions used in this manual**

In this manual, we use the following conventions:

- The front panel illustration on the cover of this manual is an SS-CDR200. The SS-R200 and SS-R100 models have different appearances.
- The display screens shown in this manual are from the SS-CDR200. The SS-R200 and SS-R100 display screens are different in some cases.
- Buttons, jacks and other parts on the main unit and external devices are indicated like this: HOME/DISPLAY
- Messages on the unit’s display are shown like this: MOVE
- “USB flash drive” is abbreviated as “USB memory.”
- “SD memory card” is abbreviated as “SD card.”
- “CompactFlash card” is abbreviated as “CF card.”
- CD-DA format is sometimes referred to as “audio CD” format. An audio disc containing tracks recorded in audio CD format is sometimes referred to as an “audio CD”.
- A CD containing MP3 or WAV files is sometimes referred to as a “data CD”.
- Additional information is provided as necessary as tips, notes and cautions.
TIP
These are tips about how to use the unit.

NOTE
These provide additional explanations and describe special cases.

CAUTION
Failure to follow these instructions could result in injury, damage to equipment or lost recording data, for example.

Intellectual property rights

- TASCAM is a trademark of TEAC Corporation, registered in the U.S. and other countries.
- SDHC Logo is a trademark of SD-3C, LLC.
- CompactFlash is a US registered trademark of SanDisk Corporation.
- Supply of this product does not convey a license nor imply any right to distribute MPEG Layer-3 compliant content created with this product in revenue-generating broadcast systems (terrestrial, satellite, cable and/or other distribution channels), streaming applications (via Internet, intranets and/or other networks), other content distribution systems (pay-audio or audio-on-demand applications and the like) or on physical media (compact discs, digital versatile discs, semiconductor chips, hard drives, memory cards and the like). An independent license for such use is required. For details, please visit http://mp3licensing.com.
- MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.
- This product contains PrFILE®2 FAT file system and PrFILE2 Unicode Interface of eSOL Co., Ltd. Copyright © 2008 eSOL Co., Ltd.
- PrFILE® is a registered trademark of eSOL Co., Ltd. in Japan.
- Other company names, product names and logos in this document are the trademarks or registered trademarks of their respective owners.

Precautions for placement and use

- The guaranteed operating temperature range of this product is 5° - 35° C (41° - 95° F).
- Do not install in the following types of places. Doing so could degrade the sound quality and/or cause malfunctions.
  - Places with significant vibrations or that are otherwise unstable
  - Near windows or other places exposed to direct sunlight
  - Near heaters or other extremely hot places
  - Extremely cold places
  - Places with bad ventilation or high humidity
  - Very dusty locations
- Make sure that the unit is mounted in a level position for correct operation.
- In order to promote the emission of heat, do not place anything on top of this product.
- Do not place this product on top of a powered amplifier or other equipment that emits heat.

This product is designed to help you record and reproduce sound works to which you own the copyright, or where you have obtained permission from the copyright holder or the rightful licensor. Unless you own the copyright, or have obtained the appropriate permission from the copyright holder or the rightful licensor, your unauthorized recording, reproduction or distribution thereof may result in severe criminal penalties under copyright laws and international copyright treaties. If you are uncertain about your rights, contact your legal advisor. Under no circumstances will TEAC Corporation be responsible for the consequences of any illegal copying performed using the recorder.
Connecting the power

- Insert the included power cord into the **AC IN** connector completely.
- Hold the power cord by the plug when connecting or disconnecting it.

Beware of condensation

If the unit is moved from a cold to a warm place, or used immediately after a cold room has been heated or otherwise exposed to a sudden temperature change, condensation could occur. Should this happen, leave the unit for one or two hours before turning the unit on.

Cleaning the unit

To clean the unit, wipe it gently with a soft dry cloth. Do not wipe with chemical cleaning cloths, benzene, paint thinner, ethyl alcohol or other chemical agents to clean the unit as they could damage the surface.

About USB memory, SD cards and CF cards

This unit uses USB memory, SD cards and CF cards for playback and recording.

A list of USB memory, SD cards and CF cards that we have confirmed to work with this unit is provided on our website (http://tascam.com/).

Precautions for use

USB memory, SD cards and CF cards are delicate media. In order to avoid damaging a memory/card or the memory/card slot, please take the following precautions when handling them.

- Do not leave them in extremely hot or cold places.
- Do not leave them in extremely humid places.
- Do not let them get wet.
- Do not put things on top of them or twist them.
- Do not hit them.
- Do not insert or remove a USB memory, SD card or CF card during recording, playback, data transfer or other operations that access a memory or card.
- Do not carry them with terminals exposed. Use the protective cover.

Media that has been confirmed for use with this unit

This unit uses USB memory, SD cards and CF cards for playback and recording.

Microdrives cannot be used with this unit.

The capacities and performance of your unit will vary based on the speed and abilities of the media used. Older and some cheaper USB memory/SD cards/CF cards use slower memory components and little internal buffering which results in poor recording performance.

A list of USB memory/SD cards/CF cards that we have confirmed to work with this unit is provided on our website (http://tascam.com/).

SD card write-protection

This unit writes track information to the media in order to improve performance. Since track data cannot be written to write-protected SD cards, media reading will take longer and performance could otherwise be affected.

Media formatting

Flash media that has been formatted by this unit is optimized for performance during recording. Using flash media that has been formatted by a computer, for example, could result in errors during recording. We recommend that whenever possible you use flash media after it has been formatted by this unit.

About compact discs

In addition to commercially-available music CDs, this unit can play CD-R and CD-RW discs that have been recorded in audio CD format, as well as CD-R and CD-RW discs that have MP3 audio and WAV audio files recorded on them. In addition to 5-inch CDs, it can also play 3-inch CDs.

Handling of compact discs

- For recording, use compact discs that have one of the following marks.

**CD-R**

![CD-R Recordable](image)

**CD-RW**

- Always insert the compact discs in the slot with their label facing upward.
- To remove a disc from its case, press down on the center of the disc holder, then lift the disc out, holding it carefully by the edges.
- Do not touch the signal side (the unlabeled side). Fingerprints, oils and other substances can cause errors during playback.

Microdrives cannot be used with this unit.
To clean the signal side of a disc, wipe gently with a soft dry cloth from the center towards the outside edge. Dirt on discs can lower the sound quality, so clean them and always store them in a clean state.

Do not use any record spray, anti-static solutions, benzene, paint thinner or other chemical agents to clean CDs as they could damage the delicate playing surface. It may cause CDs to become unplayable.

Do not apply labels or other materials to discs. Do not use discs that have had tape, stickers or other materials applied to their surface. Do not use discs that have sticky residue from stickers, etc. Such discs could become stuck in the unit or cause it to malfunction.

Never use a commercially available CD stabilizer. Using stabilizers with this player will damage the mechanism and cause it to malfunction.

Do not use cracked discs.

Only use circular compact discs. Avoid using non-circular promotional, etc. discs.

Music discs with copy control, a copy-protection system, have been released from several record companies in an attempt to protect the copyright. Since some of these discs do not comply with the CD specifications, they may not be playable on the unit.

If you are in any doubt as to the care and handling of a CD-R and CD-RW discs, read the precautions supplied with the disc, or contact the disc manufacturer directly.

About CD-R and CD-RW discs

CD-R discs can be recorded once only. Once they have been used for recording, they cannot be erased or re-recorded. However, if space is available on the disc, additional material can be recorded.

By finalizing a CD-R that you have finished using for recording, you can make it playable by most ordinary CD players. (Some CD players might not be able to play back CD-R discs even if they are finalized.)

CD-RW discs allow recorded tracks to be erased to make space available again, allowing disc reuse. However, tracks can only be erased in the order from the last added. To erase a track in the middle, you must erase all the tracks added after it at the same time. Finalized CD-RW discs can only be played back in CD players that support CD-RW disc playback.
2 – Names and functions of parts

Front panel

SS-CDR200

1. POWER switch
   Turns the power on/off.

   CAUTION
   Before turning the power on, minimize the volume of other equipment that is connected to this unit. Failure to do so might cause sudden loud noises, which could harm your hearing or result in other trouble.

2. Disc slot (SS-CDR200 only)
   Insert CDs here.
   After a disc is inserted part way, it will automatically be pulled in.

3. EJECT button (SS-CDR200 only)
   Press this button to eject the disc.

4. Display
   This shows a variety of information.

5. HOME/DISPLAY button
   When a MENU or the FINDER screen is open, press this to return to the Home Screen.
   Press when the Home Screen is open to change the Home Screen display mode. (See “Home Screen” on page 12 and “Recording Screen” on page 19.)

6. MENU [JOG] button
   Press this button when the Home Screen is open to open the MENU screen.
   Press this button when the MENU screen is open to move a cursor on the right to the left. Press this button again to return to the Home Screen.

   Press this button while pressing and holding the SHIFT button to set the jog playback mode. (See “Jog playback” on page 31.)
   When in menu mode, press to go back one menu level.

7. EDIT [INPUT] button
   Press this button to put the unit into playback standby at current point and open the Edit Menu pop-up. (See “Using the Edit Menu” on page 57.)
   Press this button while pressing and holding the SHIFT button to show the current input source. Press when the input source is shown to switch between the input source options. (See “Selecting the input source” on page 40.)

8. FINDER [A-B] button
   Press this button when the Home Screen is open to open the FINDER screen. (See “File and folder operations (FINDER screen)” on page 50.)
   Press this button while pressing and holding the SHIFT button to start A-B repeat playback mode. (See “A-B repeat playback” on page 34.)

9. [SKIP] button
   During playback or when in playback standby, press and hold this button to search backward while outputting sound.
   Press during playback or when in playback standby to skip backward by the set amount of time. (See “Skipping backward and forward” on page 31.)
   When in menu mode, press to go back one menu level.
   When the play area is set to PLAYLIST, press when stopped to select the current playlist.
   When the play area is set to FOLDER, press when stopped or in recording standby to select the current folder.
When the FINDER screen is open, press this button after selecting a folder to return to a higher level. (See “Navigating the FINDER screen” on page 50.)

Press this button while pressing and holding the SHIFT button to open a pop-up window where you can set the skip time. (See “Skipping backward and forward” on page 31.)

When editing names, move the cursor backward.

When editing names, press this button while pressing and holding the SHIFT button to erase the character at the cursor position.

0, [LOCK] button
During playback or when in playback standby, press and hold this button to search forward while outputting sound.

Press during playback or when in playback standby to skip forward by the set amount of time. (See “Skipping backward and forward” on page 31.)

When in menu mode, press to advance to the next level.

When the play area is set to PLAYLIST, press when stopped to select the current playlist.

When the play area is set to FOLDER, press when stopped or in recording standby to select the current folder.

When the FINDER screen is open, press this button after selecting a folder to show the contents of the folder. (See “Navigating the FINDER screen” on page 50.)

Press this button while pressing and holding the SHIFT button to turn ON/OFF the panel lock function, which disables the buttons on the front panel. (See “Panel lock function” on page 27.)

When editing names, move the cursor to the next item.

When editing names, press this button while pressing and holding the SHIFT button to erase a space. (See “Inputting and editing characters” on page 48.)

SHIFT button
If you press a button with a blue label while pressing and holding this button, that button will function according to that label. Press this button by itself to scroll information (track titles on the Home Screen and file and folder names on the FINDER screen) across the display.

[PITCH] [KEY] knob
Turn this knob to adjust the pitch (playback speed). Press this knob to turn pitch control ON/OFF. Press and hold this knob to open the PITCH STEP %, % pop-up. (See “Pitch control playback” on page 32.)

Turn this knob while pressing and holding the SHIFT button to adjust the key level.

Press this while pressing and holding the SHIFT button to turn key control ON/OFF. (See “Key control playback” on page 33.)

PHONES jack/knob
Use this standard stereo jack to connect stereo headphones.

Use the PHONES knob to adjust the headphones output level.

CAUTION
Before connecting headphones, minimize the volume with the PHONES knob. Failure to do so might cause sudden loud noises, which could harm your hearing or result in other trouble.

REMOTE jack (2.5 mm dia TRS)
Connect a TASCAM RC-3F footswitch or TASCAM RC-20 Direct Play Remote control (both designed for use with this unit and sold separately) here to enable remote control of playback starting and stopping, for example. When a TASCAM RC-3F footswitch is connected, the functions of the three pedals can be changed. (See “Footswitch control” on page 71.)

USB port
Connect USB memory, here to record to it and playback files on it.

Connect a USB keyboard to input file names, for example.

By default, the recorder is set use an English keyboard. To use Japanese keyboards, which are arranged differently from English keyboards, change the setting in the UTILITY menu. (See “Setting the keyboard language” on page 73.)

SD and CF card slots
Insert and eject SD and CF cards from here. (See “Inserting and ejecting SD and CF cards” on page 25.)

FUNCTION button
Press this button when the Home Screen is open to open the FUNCTION screen.

Use to select and deselect files to copy or move between a CD and the USB memory, SD card or CF card. (See “Copying files between CDs and other media (SS-CDR200)” on page 63.)

DEVICE button
Press this button when the Home Screen is open to open the DEVICE SELECT screen. (See “Selecting the device used” on page 26.)

MULTI JOG dial
This functions both as a dial and as a button.

[Dial functions]
When the Home Screen is open, turn to select tracks.
When inputting a program, turn to select tracks to add.
When in menu mode, use to select menu items and setting values.
When editing names, use to select characters.
When jogging during playback, use to move between frames. (See “Jog playback” on page 31.)
While pressing and holding the **SHIFT** button, turn the **MULTI JOG** dial to adjust the display contrast.

**[Button functions]**

Use to confirm selections and settings (**ENTER** function).

Press when the **FINDER** screen is open to open the **FINDER** menu pop-up for the selected folder or file. (See “File operations” and “Folder operations” on page 51.)

**STOP button**

Stops playback and recording.

In **PROGRAM** playback mode, press when stopped to clear the entire program.

**PLAY button/indicator**

Press when stopped or in playback standby to start playback.

Press in recording standby to start recording.

During playback or recording, this button lights.

When jogging during playback, this button blinks.

**READY [CALL] button/indicator**

Press when stopped or during playback to switch to playback standby.

Press when recording to switch to recording standby.

The button lights when in playback standby and recording standby.

The button blinks when jogging during playback.

When in playback standby, press this button to search for the call point (point from where playback last started from playback standby) and switch to playback standby. (See “Call function” on page 31.)

**RECORD [TRK INC] button/indicator**

Press when stopped to start recording standby.

Press when recording to start a new track and continue recording without interruption.

The button lights when recording and in recording standby.

Press when there is no media in the current device to activate input monitoring, causing the currently selected input signal to be output. The button blinks during input monitoring.

**KEYBOARD connector**

Connect an IBM PC-compatible keyboard with a PS/2 interface here.

By default, the recorder is set to use an English keyboard. To use Japanese keyboards, which are arranged differently from English keyboards, change the setting in the **UTILITY** menu. (See “Setting the keyboard language” on page 73.)
### ANALOG L/R INPUTS (BALANCED)  
(SS-CDR200/SS-R200 only)
These balanced analog XLR input connectors have a nominal input level of +4 dBu.  
(1: GND, 2: HOT, 3: COLD)

### ANALOG L/R INPUTS (UNBALANCED)
These analog RCA pin input jacks have a nominal input level of −10 dBV.

### ANALOG L/R OUTPUTS (UNBALANCED)
These analog RCA pin output jacks have a nominal output level of −10 dBV.

### ANALOG L/R OUTPUTS (BALANCED)  
(SS-CDR200/SS-R200 only)
These balanced analog XLR output jacks have a nominal output level of +4 dBu.  
(1: GND, 2: HOT, 3: COLD)

### DIGITAL IN (COAXIAL)
This digital input jack accepts inputs in IEC60958-3 (S/PDIF) and AES3-2003/IEC60958-4 (AES/EBU) formats (detected automatically).  
To link two of these units together, connect the DIGITAL OUT jack of the other SS-CDR200/SS-R200/SS-R100 to this connector. (See “Link playback connections” on page 38.)

### CONTROL I/O RS-232C connector  
(SS-CDR200/SS-R200 only)
This 9-pin D-sub I/O connector for RS-232C control can be connected to a computer or other external device. (See “Using the RS-232C connector” on page 75.)

### CONTROL I/O PARALLEL connector  
(SS-CDR200/SS-R200 only)
25-pin D-sub I/O connector for parallel control can be used to connect an RC-SS20 (sold separately) or other external controller.  
For pin assignments and other information, see “Using the parallel connector” on page 75.

### REMOTE IN connector
Connect the included TASCAM RC-SS2 wired remote control, which is designed for use with this unit, here.

### AC IN connector
Connect the included power cord here.
TASCAM SS-CDR200/SS-R200/SS-R100

2 – Names and functions of parts

TASCAM RC-SS2 wired remote control

1. FLASH LOAD button
   This loads the registered tracks in preparation for Flash Start. When the tracks are loaded, "Flash Start" will appear on the Home Screen. (See “Flash Start function” on page 38.)

2. DEVICE SELECT button
   This has the same function as the front panel DEVICE button.

3. HOME/DISP button
   This has the same function as the front panel HOME/DISPLAY button.
   Press when the Home Screen is open to change the Home Screen display mode. (See “Home Screen” on page 17.)

   TRACK mode TOTAL mode TITLE mode FOLDER mode

4. FUNC button
   This has the same function as the front panel FUNCTION button.

5. REPEAT button
   Turns the repeat playback function ON/OFF. (See “Ordinary repeat playback” on page 33.)

6. A-B button
   Use for A-B repeat playback operations. (See “A-B repeat playback” on page 34.)

7. A.CUE button
   Turns the Auto Cue function ON/OFF. (See “Auto Cue function” on page 34.)

8. A.READY button
   Turns the Auto Ready function ON/OFF. (See “Auto Ready function” on page 35.)

9. SYNC button
   Turns sync recording ON/OFF. (See “Sync recording” on page 43.)

10. A.TRACK button
    Switches the Auto Track mode between OFF, LEVEL, DD and TIME. (See “Auto Track function” on page 45.)

11. FINDER button
    Opens the FINDER or USER PLAYLIST screen depending on the play area setting. (See “Opening the FINDER screen” on page 50 and “Editing the playlist (USB/SD/CF media only)” on page 60.)

12. MENU button
    This has the same function as the front panel MENU [JOG] button.

13. SEARCH ( ◄ and ► ) buttons
    These have the same functions as the front panel ◄ [SKIP]/► [LOCK] buttons. However, they do not function in menu mode.

14. SKIP ( ◄ and ► ) buttons
    These have the same functions as turning the front panel MULTI JOG dial.

15. STOP buttons
    This has the same function as the front panel STOP button.

16. LCD (−/+ ) buttons
    These adjust the contrast of the display. (See “Adjusting the display contrast” on page 24.)

17. KEY (−/+ ) buttons
    The KEY button has the same function as pressing the front panel PITCH knob while pressing and holding the SHIFT button.
    The −/+ buttons to the right of the KEY button have the same functions as turning the front panel PITCH knob while pressing and holding the SHIFT button. (See “Key control playback” on page 33.)

18. PITCH (−/+ ) buttons
    The PITCH button has the same function as pressing the front panel PITCH knob.
    The −/+ buttons to the right of the PITCH button have the same functions as turning the front panel PITCH knob. (See “Pitch control playback” on page 32.)

19. INPUT SEL button
    This selects the recording input source. You can choose unbalanced (RCA), balanced (XLR, SS-CDR200/SS-R200 only) or coaxial. (See “Selecting the input source” on page 40.)
    Balanced (XLR) cannot be selected on the SS-R100.

20. Number buttons
    Use these to select tracks. (See “Specifying a track number” on page 30.)
EDIT button
Press this button to start playback standby at the current position and open the Edit Menu pop-up. (See “Using the Edit Menu” on page 57.)
Press when entering a track number to clear the entire number input.
During program input, press to clear the track number being added. At other times, the last-added track will be cleared from the program. (See “Program playback” on page 32.)

▲ / ▼ / ◀ / ▶ buttons
Use to operate the menus.
The ▲ / ▼ buttons select the items and values above and below.
When in menu mode, use the ◀ button to return upward through the menu structure, and use the ▶ button to proceed in the menu structure.
When the FINDER screen is open, use the ◀ button to move up a level in the folder structure and the ▶ button to enter a folder. (See “Navigating the FINDER screen” on page 50.)

ENTER button
This has the same function as pressing the front panel MULTI JOG dial.

RECORD button
This has the same function as the front panel RECORD button.

CALL button
Searches for the call point (point from where playback last started from playback standby) and starts playback standby. (See “Call function” on page 31.)

READY button
This has the same function as the front panel READY button.

PLAY button
This has the same function as the front panel PLAY button.

Home Screen
The Home Screen has TRACK, TOTAL, TITLE and FOLDER display modes.
Each time you press the HOME/DISPLAY button (or remote control HOME/DISP button), the information shown in the center of the display changes.

Home Screen TRACK mode
Home Screen TOTAL mode
Home Screen TITLE mode
Home screen FOLDER mode

1 Play area
Shows the current play area of the current file.
- ALL: All files on the media in the current device
- FOLDER: All files in the selected folder
- PLAYLIST: All files added to the playlist

2 Playback mode
Shows the current playback mode.
- CONTINUE: Continuous playback mode
- SINGLE: Single playback mode
- PROGRAM: Program playback mode
- RANDOM: Random playback mode
2 – Names and functions of parts

3 PITCH indicator
   When the pitch control function is on, the PITCH indicator appears.

4 KEY indicator
   When the key control function is on, the KEY indicator appears.

5 Display mode
   Shows the display mode currently shown on the Home Screen.

6 Track number
   Shows the number of the track being played back.

7 Track playback position
   Shows the current playback position as a bar. As playback elapses, the bar extends from the left.

8 Track elapsed time
   Shows the elapsed time (hours: minutes: seconds) of the current track.

9 Track remaining time
   Shows the remaining time (hours: minutes: seconds) of the current track.

10 Track number/total number of tracks
    Shows the current track number and the total number of tracks in the current play area.

11 File format
   Shows the format of the current playback file.

12 SD card protection icon
   This icon appears when an SD card that is write-protected is loaded and the current device is set to SD.

13 Current device
   Shows the currently selected device.

14 Total playback position
   Shows the current playback position as a bar. As playback elapses, the bar extends from the left. On this screen, this bar represents the entire play area.

15 Total track elapsed time
   Shows the elapsed time (hours: minutes: seconds) of the current play area.

16 Total track remaining time
   Shows the remaining time (hours: minutes: seconds) of the current play area.

17 Track title
   Shows the title of the current track. Press the SHIFT button to make this scroll across the display.

18 Current playback folder name
   Shows the name of the folder that contains the file currently being played back.

NOTE

- When stopped, the total playback time of the play area is always shown, regardless of the current Home Screen display mode.
- When using a CD-R/CD-RW disc with MP3 or WAV files that were recorded using a computer or other equipment besides this unit, the total time when stopped, and the total elapsed time and total remaining time during playback will not be shown. (Only the number of tracks and track number are shown. “—” appears in the time display area). However, after all tracks have been played back by this unit, the time will appear.
  - In PROGRAM playback mode, the elapsed time and remaining time are shown for the entire program, not the entire play area.

Home Screen FUNCTION status display

When the Home Screen is open, press the FUNCTION button (or remote control FUNC button) to open the FUNCTION screen.

On the FUNCTION screen, you can check and change the ON/OFF status of all items in the PLAY menu on one screen. Items that are ON appear light on dark.

NOTE

When the FUNCTION screen is open, press the FUNCTION button (or remote control FUNC button) to return to the Home Screen.

The following items appear on the FUNCTION screen.

<table>
<thead>
<tr>
<th>No.</th>
<th>Function</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<tr>
<td>2</td>
<td>A-B repeat playback setting</td>
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<tr>
<td>3</td>
<td>Auto Cue setting</td>
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</tr>
<tr>
<td>5</td>
<td>Incremental playback setting</td>
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</tr>
</tbody>
</table>

NOTE

The “A-B” item only appears when A-B repeat has been set.

Changing item settings on the FUNCTION screen

1. When the FUNCTION screen is open, turn the MULTI JOG dial (or press the remote control ▲ / ▼ buttons), to move the ➪ to the item you want to set.

2. Press the MULTI JOG dial (or remote control ENTER button) to turn the selected item ON/OFF. When on, the item appears light on dark.
Recording Screen

The Recording Screen has TRACK, TOTAL, TITLE and FOLDER display modes.

Each time you press the HOME/DISPLAY button (or remote control HOME/DISP button), the information shown in the center of the display changes.

1. **Input level**
   - Shows the input sound level.

2. **Display mode**
   - Shows the display mode currently shown on the Recording Screen.

3. **Track number**
   - Shows the number of the track being recorded.

4. **Track recording position**
   - Shows the current recording position as a bar. As recording elapses, the bar extends from the left. On this screen, this bar represents maximum file size 2 GB.

5. **Track recorded time**
   - Shows the recorded time (hours: minutes: seconds) of the file being recorded.

6. **Track recording remaining time**
   - Shows the remaining possible recording time (hours: minutes: seconds) for the maximum file size of 2 GB.

7. **Track number/total number of tracks**
   - Shows the total number of tracks and the current track number in the current play area.

8. **File type**
   - Shows the current recording file format.

9. **Current device**
   - Shows the currently selected device.

10. **Total recording position**
    - Shows the current recording position as a bar. As recording elapses, the bar extends from the left. On this screen, this bar represents total media capacity.

11. **Total track recorded time**
    - Shows the total recorded time (hours: minutes: seconds) on the current media.

12. **Total track remaining time**
    - Shows the total remaining possible recording time (hours: minutes: seconds) of the current media.

13. **Track title**
    - Shows the title of the track being recorded.

14. **Current folder name**
    - Shows the name of the folder that contains the file currently being recorded.

**NOTE**

The remaining time depends on the recording format (REC FORMAT item in the REC menu).

Recording Screen FUNCTION status display

In recording standby or when recording press the FUNCTION button (or remote control FUNC button) to open the FUNCTION screen.

On the Recording FUNCTION screen, you can check and change the ON/OFF status of all items in the REC menu on one screen. Items that are ON appear light on dark.

**NOTE**

When the Recording FUNCTION screen is open, press the FUNCTION button (or remote control FUNC button) to return to the Recording Screen.
The following items appear on the Recording FUNCTION screen.

<table>
<thead>
<tr>
<th>No.</th>
<th>Function</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
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<tr>
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<td>3</td>
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<tr>
<td>4</td>
<td>Sync recording setting</td>
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<tr>
<td>5</td>
<td>Sampling rate converter setting</td>
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<tr>
<td>6</td>
<td>Compressor setting</td>
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</tr>
<tr>
<td>7</td>
<td>Input level setting</td>
<td>Page 42</td>
</tr>
</tbody>
</table>

### Changing item settings on the recording FUNCTION screen

1. When the FUNCTION screen is open, turn the MULTI JOG dial (or press the remote control ▲ / ▼ buttons) to move the ▶ to the item you want to set.

2. For the MP3 192kbps, 44.1kHz, AUTO TRACK and COMP items, press the MULTI JOG dial (or remote control ENTER button) to change the setting of the selected item.

For the SYNC REC and SRC items, press the MULTI JOG dial (or remote control ENTER button) to turn the selected item ON/OFF. When ON, the item appears selected (light on dark).

For the INPUT 0.0dB item, press the MULTI JOG dial (or remote control ENTER button) and then turn the MULTI JOG dial (or press the remote control ▲ / ▼ buttons) to change the input level. After changing the setting, press the MULTI JOG dial (or remote control ENTER button) to confirm the setting.

### Menu structure

Press the MENU [JOG] button or the MENU button on the included TASCAM RC-SS2 remote control to open the MENU screen.

![MENU screen when USB/SD/CF media selected](image)

![MENU screen when CD media selected (SS-CDR200 only)](image)

The MENU has three or four main items.

PLAY: Items related to playback
REC: Items related to recording
UTILITY: Items related to unit settings, etc.
CD: Items related to CD operations (SS-CDR200 only)
### Menu operation basics

You can perform the following operations in the menus.

**To select an item (vertically on the screen):**
Turn the MULTI JOG dial.
Use the cursor ▲ and ▼ buttons on the remote control.

**To confirm the selected item:**
Press the MULTI JOG dial.
Press the ENTER key on the remote control.

**To move the cursor left/right:**
Use the ◀ [SKIP]/▶ [LOCK] buttons.
Use the cursor ◄/▶ buttons of the remote control.

**To open a sub-screen not currently shown on the display (▸ is shown at the right):**
Press the MULTI JOG dial or ▶ [LOCK] button.
Press the ENTER or ▶ button of the remote control.

**To go back one menu level:**
Press the MENU [JOG] or ◀ [SKIP] button.
Press the MENU or ◄ button of the remote control.

**To return directly to the Home Screen from menu mode:**
Press the HOME/DISPLAY button.
Press the HOME/DISP button on the remote control.

**NOTE**
If there are items above or below the currently displayed items in the list, ▲ and/or ▼ will be shown at the top and/or bottom of the list.

### Menu operation procedures

This example explains sync recording setting.

**NOTE**
- The front panel illustrations shown below are of the SS-CDR200 model. The SS-R200 and SS-R100 models have different appearances.
- The display screens shown below are from the SS-CDR200. The SS-R200 and SS-R100 display screens are different in some cases.

### 1 Use the main unit or the included TASCAM RC-SS2 remote control to open the MENU screen.

**Front panel operation:**
Press the MENU [JOG] button.

**Remote control operation:**
Press the MENU button.

---

<table>
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<th>Submenu item</th>
<th>Function</th>
<th>Reference</th>
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<td>Show information about the operating time and media</td>
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<td>Restore the factory settings</td>
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<td>Finalize and unfinalize CD-R/CD-RW disc</td>
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<tr>
<td>ERASE</td>
<td>Erase a written CD-RW disc</td>
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<td></td>
</tr>
<tr>
<td>BURN TO CD</td>
<td>Write from the selected media to a CD-R/CD-RW disc</td>
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<td></td>
</tr>
<tr>
<td>RIP TO MEMORY</td>
<td>Write from a CD to the selected media</td>
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<td></td>
</tr>
</tbody>
</table>

# PLAY OTHERS menu item

- **MONO MIX**: Mono playback setting  
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- **EOM TRACK**: EOM function setting  
Page 36
- **EOM MEDIA**: EOM function setting  
Page 36
- **RESUME**: Resume playback setting  
Page 37
- **POWER ON PLAY**: Power-on play setting  
Page 37
- **LINK**: Link playback setting  
Page 37

# RECORDING OTHERS menu item

- **PAUSE MODE**: Pause mode setting  
Page 46
- **SRC**: Sampling rate converter setting  
Page 41
- **WORD CLIP**: Recording file name setting  
Page 47
- **COMP**: Compressor setting  
Page 47
- **DITHER**: Dither setting  
Page 48

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**NOTE**
- The PLAY OTHERS submenu items are as follows.
- The RECORDING OTHERS submenu items are as follows.
2 Open the REC menu.

Front panel operation:
Turn the MULTI JOG dial to select REC, and press the MULTI JOG dial or [LOCK] button.

Remote control operation:
Use the 5 and b buttons to select REC, and press the ENTER or t button.

3 Select the SYNC item setting.

Front panel operation:
Turn the MULTI JOG dial to select SYNC, and press the MULTI JOG dial or [LOCK] button.

Remote control operation:
Use the 5 and b buttons to select SYNC, and press the ENTER or t button.

4 Set SYNC to ON or OFF.

Front panel operation:
Turn the MULTI JOG dial to select ON.

Remote control operation:

Use the ▲ and ▼ buttons to select ON.

5 Open the SYNC screen where you can make detailed settings.

Front panel operation:
Press the MULTI JOG dial or [LOCK] button.

Remote control operation:
Press the ENTER or t button.

6 Select the item on the SYNC screen to set.

Front panel operation:
Turn the MULTI JOG dial to select the item.

Remote control operation:
Use the ▲ and ▼ buttons to select the item.

7 Move the cursor to the setting.

Front panel operation:
Press the MULTI JOG dial or [LOCK] button.

Remote control operation:
Press the ENTER or t button.

8 Change the setting value.

Front panel operation:
Turn the MULTI JOG dial to change the value.

Remote control operation:
Use the ▲ and ▼ buttons to change the value.

9 To change another item on the same screen, press the [SKIP] button (or remote control ▲ button) to return to setting item selection. Use the MULTI JOG dial (or remote control ▲ / ▼ buttons) to select the item you want to set.

10 As necessary, repeat steps 7–9 to set each item as you want.

11 Return to the Home Screen.

Front panel operation:
Press the HOME/DISPLAY button.

Remote control operation:
Press the HOME/DISP button.
3 – Preparations

Making connections

The following example shows connections with an SS-CDR200.

Precautions before making connections

- Before making connections, read the operation manuals of the other equipment carefully and connect each one correctly.
- Turn OFF (or put in standby) the power of this unit and all other devices before connecting them.
- Connect all the devices to the same power supply line. When using a power strip, for example, use a thick cable with a high current capacity to minimize variation in the power voltage.

![Diagram of connections]

- Computer
  - RS-232C port (COM port, etc.) (SS-CDR200/SS-R200 only)
- Digital mixer, digital recorder, digital amplifier
- Mixer, recorder, amplifier, etc. (SS-CDR200/SS-R200 only)
- Digital mixer, digital recorder, digital amplifier
- Computer (SS-CDR200/SS-R200 only)
- External controller (RC-SS2, etc.) (SS-CDR200/SS-R200 only)
Turning the power ON/OFF

Press the front panel POWER switch to turn the power ON.

CAUTION
Do not turn the power OFF when the unit is in use (recording, playing back, writing data to USB/SD/CF media, etc.). Doing so could cause recording to fail, recorded data to be damaged, sudden loud noise to be emitted from monitoring equipment, damage to equipment and harm to hearing.

Setting the date and time

The date and time is added to the recorded file based on the built-in clock.

1 Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.

2 Open the UTILITY menu.

3 Select CLOCK ADJUST.

4 Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to open the CLOCK ADJUST screen.

5 Set the date and time with the following operations.
   - Use the [SKIP] and [LOCK] buttons (or remote control and buttons) to select the item you want to set.
   - Turn the MULTI JOG dial (or press the remote control and buttons) to change the selected item.

6 After making the setting, press the MULTI JOG dial (or remote control ENTER button) to confirm the date and time and return to the UTILITY menu.

7 Press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

Adjusting the display

You can adjust the display contrast and brightness as necessary.

Adjusting the display contrast

While pressing and holding the SHIFT button, turn the MULTI JOG dial (or press the remote control LCD –/+ buttons) to adjust the display contrast.
Adjusting the display and indicator brightness

Use the BRIGHTNESS item of the UTILITY menu to adjust the brightness of the display backlight and PLAY, READY and RECORD button indicators.

1 Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2 Open the UTILITY menu.
3 Select BRIGHTNESS.

![Menu Screen]

NOTE

• The screen above is an example from an SS-CDR200 or SS-R200 unit.
• The SS-R100 does not have the 5. RS-232C menu item.

4 Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or [ button) to move the cursor to the right and select the value.

5 Turn the MULTI JOG dial (or press the remote control ▲ / ▼ buttons) to adjust the brightness.
6 Press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE

The display and indicator BRIGHTNESS setting is retained even after the power is turned OFF.

Inserting and ejecting SD and CF cards

Inserting SD and CF cards

Insert an SD card or CF card into the appropriate card slot on the front panel to use it for playback and recording.

NOTE

You can insert SD and CF cards regardless of whether the power is ON or OFF.

1 Pull the card slot door forward to open it.

2 Insert the SD/CF card with the correct orientation. The label should be facing up and the contacts facing in.

3 Close the card slot door.

NOTE

If the SD/CF card slot door will not close, remove the card, and then insert it once again. To remove an SD card, pull it. To remove a CF card, press the square button located at the right of the slot.

Ejecting SD and CF cards

Turn the power OFF or stop operation before ejecting an SD or CF card.

CAUTION

Never remove an SD or CF card when the unit is in use (recording, playing back, writing data to a card, etc.). Doing so could cause recording to fail, recorded data to be damaged, sudden loud noise to be emitted from monitoring equipment, damage to equipment and harm to hearing.

1 Pull the card slot door forward to open it.
2 To eject an SD card, press the SD card in slightly. To eject a CF card, press the square button located at the right of the card slot. The button will come out. Push it in again to eject the CF card partially.
3 Pull the SD or CF card out the rest of the way.

Using the security screw

The included security screw can be used to lock the card slot door. Use a Phillips screwdriver to install or remove the security screw.

SD card write protection

SD cards have write-protection switches.

Unprotected | Protected

If the protection switch is slid into the “LOCK” position, adding and editing files will not be possible. To record, erase or otherwise change files, disable write protection.

NOTE

When using a protected SD card, every time the device is changed, the audio files on the card will be checked beforehand. For this reason, changing devices takes time. Moreover, editing the playlist and other operations are not possible.

Inserting and removing discs (SS-CDR200 only)

Inserting discs

With the disc label up, insert it partway into the disc slot. Push the disc in a little further and it will be pulled in automatically just before it disappears into the slot.

After the disc is inserted, the unit reads the disc information. The total number of tracks and total playback time of an audio CD will be shown. The total number of tracks in the current folder of a data CD will be shown.

CAUTION

- Discs cannot be inserted when the power is OFF.
- Trying to force a disc in could damage the unit. If a disc becomes stuck partway, for example, and is difficult to push, do not try to force it in. Pull it out once, press the EJECT button and then try inserting it again.
- MEDIA ERROR will appear if discs other than audio CDs are inserted or discs are inserted upside-down. Press the EJECT button to eject such a disc.
- When inserting 3-inch CDs, be sure to insert them in the middle of the slot completely.

NOTE

You can insert a disc anytime the power is ON, regardless of the current device setting.

Ejecting discs

Press the EJECT button to eject a disc partially. Holding it by its sides, pull it out the rest of the way.

CAUTION

When the power is off, the EJECT button does not function.

Selecting the device used

Before using the unit, select the device (USB, SD, CF or CD) for the type of media that you are using (choose CD for CD-R and CD-RW discs).

To select the device used, follow these procedures.

1 Press the DEVICE button (or remote control DEVICE SELECT button) to open the DEVICE SELECT screen.
NOTE
The screen above is an example from an SS-CDR200. SS-R200 and SS-R100 models do not have the CD menu.

2 Press the DEVICE button (or remote control DEVICE SELECT button) to select the device to use, and press the MULTI JOG dial (or remote control ENTER button) to confirm.

NOTE
You can also turn the MULTI JOG dial to select the device.

3 The name of the selected device appears at the bottom right of the Home Screen.

USB: Select USB memory
SD: Select SD card
CF: Select CF card
CD: Select CD with commercial audio CD (SS-CDR200 only)
CDR: Select CD with CD-R (SS-CDR200 only)
CDRW: Select CD with CD-RW (SS-CDR200 only)

Preparing USB/SD/CF media for use
You must format USB/SD/CF media with this unit in order to make them usable by the unit.

CAUTION
- Formatting will erase all data on the USB/SD/CF media.
- Always format with this unit. If USB/SD/CF media is formatted by another device or a computer, it could affect operation of the unit.

1 Press the DEVICE button (or remote control DEVICE SELECT button) to open the DEVICE SELECT screen, and select the device with the media that you want to format. (See “Selecting the device used” on page 26.)

2 Press the MENU [JOG] button (or remote control ENTER button) to open the MENU screen.

3 Open the UTILITY menu.

4 Select MEMORY FORMAT.

5 Press the MULTI JOG dial (or remote control ENTER button).
A confirmation pop-up message appears.

6 Press the MULTI JOG dial (or remote control ENTER button) again to start formatting.

During formatting, --FORMAT-- and a progress bar is displayed in a pop-up.

7 After formatting completes, the pop-up disappears and the UTILITY menu reopens.

8 Press the HOME/DISP button (or remote control HOME/DISP button) to return to the Home Screen.

Panel lock function
While pressing and holding the SHIFT button, press the [LOCK] button to turn the panel lock function, which disables operation of the front panel buttons, ON and OFF. When panel lock is ON, using any front panel buttons (except the SHIFT and [LOCK] buttons) or remote control buttons will cause a --Key Lock-- and ON pop-up to appear.

NOTE
Even when panel lock is ON, control is still possible when using a TASCAM RC-3F footswitch connected to the front panel REMOTE JACK or an external device connected to one of the rear panel RS-232C, PARALLEL or REMOTE IN (RC-SS2) CONTROL I/O connectors.
This chapter explains the functions for playing audio files stored on CDs and USB/SD/CF media.

The following explanation assumes that a CD or USB/SD/CF media containing an audio file is inserted in the unit, that the unit is powered-on, and that the current device is selected appropriately (See “Selecting the device used” on page 26.)

Files that can be played

These units are able to play files of the following formats.

- **Files on USB/SD/CF media**
  
  **MP3 format files**
  Stereo and mono MP3 files at 44.1 and 48 kHz sampling frequencies and 64–320 kbps bit rates

  **WAV format files**
  Stereo and mono WAV files at 44.1 and 48 kHz sampling frequencies

- **Files on CDs (SS-CDR200 only)**
  
  **Audio CD format files**
  Commercial music CDs, and CD-R and CD-RW discs created in audio CD format

  **MP3 format files**
  Stereo and mono MP3 files at 44.1 and 48 kHz sampling frequencies and 64–320 kbps bit rates

  **WAV format files**
  Stereo and mono WAV files at 44.1 and 48 kHz sampling frequencies

**TIP**

If a file is in one of the above formats, it can be played back regardless of whether or not it was recorded by this unit. For example, you can use a computer or other audio device to write a file that meets the above characteristics to a CD or USB/SD/CF media, and then load that media into this unit and play it back. In other words, you can efficiently prepare materials for playback on this unit.

**CAUTION**

Accurate position detection is not possible in MP3 files that have been compressed in VBR format due to limitations of that format. For this reason, when using functions that require points to be set in the middle of a track, including skipping backward or forward, calling and setting the A-B repeat A point, a discrepancy could occur between the point set and the point used when playback is started.

Tracks and files

Audio data is saved on the media as “audio files.” These files are handled by the unit as “tracks.” When explaining recording and playback in this manual, we usually refer to audio files as “tracks.” We mainly use the term “files” when explaining media management. Please be aware that these two terms actually refer to the same thing.

### Play area

The range of playback tracks that can be selected on the Home Screen is called the “play area.” For an audio CD, the play area will always be the entire disc. For CD-R/CD-RW discs and USB/SD/CF media that contain MP3 or WAV files, you can specify the play area.

If the media contains numerous files, limiting the play area will make it easier for you to select tracks.

#### Setting the play area

Use the **PLAY AREA** item to set the play area.

1. Press the **MENU [JOG]** button (or remote control **MENU button**) to open the **MENU** screen.
2. Open the **PLAY** menu.
3. Select **PLAY AREA**.
4. Press the **MULTI JOG** dial or **[LOCK]** button (or remote control **ENTER** or **button**) to move the cursor to the right and select the setting item.
5. Turn the **MULTI JOG** dial (or press the remote control **5/6** buttons) to set the desired play area.

   - **ALL** (default value): All files on the selected media
   - **FOLDER**: All files in the selected folder
   - **PLAYLIST**: All files added to the playlist

   When using USB/SD/CF media, all three of the above choices are possible.

   When using a data CD, the choices are **ALL** and **FOLDER**.

   When using an audio CD, this setting cannot be changed from **ALL**.

6. After making the setting, press the **HOME/DISPLAY** button (or remote control **HOME/DISP** button) to return to the Home Screen.

**NOTE**

- The current play area setting is shown at the top left of the Home Screen.

**Play area**

- The playback area setting is retained even after the power is turned OFF.

Selecting the current folder or current playlist

If you have set the play area to be a folder or playlist (only when using USB/SD/CF media), you can select the applicable folder or playlist by using the ◀◀ [SKIP] and ▶▶ [LOCK] buttons (or remote control SEARCH ◀◀ ▶▶ buttons) when the home screen is open and the unit is stopped. This folder or playlist is called the “current folder” or “current playlist.”

NOTE

• You can also select the “current folder” or “current playlist” from the FINDER screen. (See “File and folder operations” on page 50.)
• When the audio files are MP3 or WAV format, a maximum of 999 tracks are playable by this unit. If media that contains more than 999 tracks is loaded into the unit, the 999 tracks selected according to the system rules will be playable. The remaining tracks cannot be played or edited.
• The SS-CDR200 is able to play CDs with a maximum of 99 CD audio format files.

Playback modes

The tracks in the play area can be played using one of the following four playback modes.

Continuous playback mode (default setting)

CONTINUE appears in the playback mode indication area at the top of the Home Screen.

The tracks in the play area will play back in order of their track numbers.

Single playback mode

SINGLE appears in the playback mode indication area at the top of the Home Screen.

Only the currently selected track will play back, and then playback will stop.

Program playback mode

PROGRAM appears in the playback mode indication area at the top of the Home Screen.

The tracks will be played back in the order programmed in advance. (See “Program playback” on page 32.)

Random playback mode

RANDOM appears in the playback mode indication area at the top of the Home Screen.

All tracks in the play area will play back in random order without regard to their track numbers. When all tracks have been played back, playback will stop.

Setting the playback mode

Use the front panel of the unit and the included TASCAM RC-SS2 remote control to set the desired playback mode using the following procedures.

1. Using the menu

When stopped, press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.

2. Open the PLAY menu.

3. Select PLAY MODE.

4. Press the MULTI JOG dial or ▶▶ [LOCK] button (or remote control ENTER or ▶ button) to move the cursor to the right and select the setting item.

5. Turn the MULTI JOG dial (or press the remote control ▲ / ▼ buttons) to set the desired playback mode.

6. After making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE

• In this manual, unless otherwise specified, explanations assume that the playback mode is set to CONTINUE (continuous playback mode).
• The playback mode setting is retained even after the power is turned OFF.

Basic playback operations

This section explains basic operations including starting playback, playback standby and stopping.

The following explanation assume that you have completed the necessary connections, that the unit power is ON, the current device is set, media containing audio files is loaded in that device and the Home Screen is open.

Playback

To start playback, press the PLAY button (or remote control PLAY button).

If no audio files that can be played back by this unit are on the media, the time display area will show all zeros.

To stop playback:

Press the STOP button.

To pause playback and enter playback standby:

Press the READY button.
Selecting tracks

To select a track for playback, if the play area has more than one track, you can either skip to the previous or next track or enter a track number directly. Both methods are explained below.

Skipping to the previous or next track

Turn the MULTI JOG dial (or press the remote control SKIP or button) to skip to the previous or next track.

- Turn the MULTI JOG dial right to skip to the next track or to the left to skip to the previous track.
- Press the remote control SKIP or button to skip to the next track or button to skip to the previous track.

After selecting the track, press the front panel or remote control PLAY button to start track playback.

Alternatively, instead of pressing the front panel or remote control PLAY button, press the front panel or remote control READY button to start playback standby at the beginning of the selected track.

Specifying a track number

You can use the remote's number buttons to directly enter the number of the track that you want to play.

For audio format CDs, the track number will be a maximum of two digits. For MP3 and WAV format media, the track number will be a maximum of three digits.

1 Use the remote's number buttons to input the track number. Enter the track number starting with the highest digit.
   - Example 1: For track 1, press 1
   - Example 2: For track 12, press 1 followed by 2
   - Example 3: For track 103 press 1 followed by 0 and then 3

2 Press the front panel or remote control PLAY button to start track playback.

Alternatively, instead of pressing the front panel or remote control PLAY button, press the front panel or remote control READY button to start playback standby at the beginning of the selected track.

NOTE

- Instead of pressing the front panel or remote control PLAY button, you can also press the MULTI JOG dial or remote control ENTER button to start playback of the selected track.
- You cannot use the number buttons on the remote to specify the track while in program or random mode.

Searching backward and forward

You can search forward or backward in a track while listening to the audio.

1 Play the desired track or put it into playback standby.

2 Press and hold the [SKIP] or [LOCK] button (or remote control SEARCH or button) to start searching backward or forward.

3 To stop searching, release the button you are holding.

The unit will return to the state (playback standby or playback) it was in before searching.

Time search

When the unit is stopped, in playback standby or playing, you can locate to a specified time in the specified track.

NOTE

You cannot use time search when the play mode is PROGRAM or RANDOM.

Use the remote control number buttons to input numbers in the following order.

- Track number: 3 digits
- Elapsed time from the beginning of the track: two digits each hours, minutes, seconds

For example, if you want to specify a location that is 1 minute 30 seconds from the beginning of track 2, you would press keys in the following order.

0 → 0 → 2 → 0 → 0 → 1 → 3 → 0

When you finish entering the nine digits, the unit will automatically locate to the specified position.

If the unit was stopped or playing back before locating to the time, playback will begin after locating. If the unit was in playback standby prior to locating to the time, it will resume playback standby after locating.

If you specify a track number that does not exist in the current play area or a time that does not exist in the track, the operation will be cancelled at that point.

Time searching after partial entry

If you press the remote's ENTER, PLAY or READY button before you finish entering the time, you will locate to the position that is specified at that point.

For example, suppose you intend to specify a location that is 12 minutes from the beginning of track 2, but do not complete the entry, inputting only:

0 → 0 → 2 → 0 → 0 → 1 → 2

Then, if you press the remote control ENTER, PLAY or READY button, the unit will locate to 12 minutes after the beginning of track 2. The button you push will determine what happens after locating.
**ENTER**: resumes playback or playback standby according to the status before locating

**PLAY**: starts playback

**READY**: enters playback standby

**NOTE**
- If you enter only the track number and press the **ENTER**, **PLAY** or **READY** button, the result is the same as described in “Specifying a track number” (page 31).
- You can also enter the numbers using a keyboard number pad.

**Jog playback**

In jog playback mode, you can use the **MULTI JOG** dial on the main unit to search by one frame at a time.

1. While pressing and holding the **SHIFT** button, press the **MENU [JOG]** button to enable jog playback mode.

   The **PLAY** and **READY** buttons flash, and the track elapsed time in the TRACK mode display on the Home Screen shows the frame value.

2. Turn the **MULTI JOG** dial to search.

3. To exit jog playback mode, press the **STOP**, **PLAY** or **READY [CALL]** button. The unit responds to the button pressed, stopping, playing back from or pausing at the searched position, accordingly.

**NOTE**
If the Home Screen display is in any mode other than TRACK mode, when using jog playback mode, the frame value will not be shown in the track elapsed time. Press the **HOME/DISPLAY** button (or remote control **HOME/DISP** button) to change to TRACK mode before starting jog playback mode.

**Skipping backward and forward**

During playback and playback standby, you can skip backward of forward from the current position by the preset skip time.

During playback or when in playback standby, press the **[SKIP]** or **[LOCK]** button (or remote control **SEARCH** **[SKIP]**/**[LOCK]** buttons) to locate backward or forward from the current position by the SKIP TIME. After locating, the previous state resumes.

**NOTE**
- If the time from the beginning of the track is less than the skip time when you press the **[SKIP]** button (or remote control **SEARCH** **[SKIP]** button), the unit will locate to the beginning of the current track.
- If the time from the beginning of the track is less than 1 second when you press the **[SKIP]** button (or remote control **SEARCH** **[SKIP]** button), the unit will locate to the position that is the skip time before the end in the previous track. However, if it is the first track of the current device media or program, playback standby will occur at the beginning of the current track.
- In random playback mode, if you press the **[SKIP]** button (or remote control **SEARCH** **[SKIP]** button) when the time from the beginning of the track is less than the skip time, the unit will always locate to the beginning of the current track.
- If the track remaining time is less than the skip time when you press the **[SKIP]** button (or remote control **SEARCH** **[SKIP]** button), the unit will locate to the beginning of the next track. However, if it is the last track of the current device media or program, playback standby will occur at the end of the current track.

**Setting the skip time**

1. While pressing and holding the **SHIFT** button, press the **[SKIP]** button to open a pop-up window where you can set the skip time.

2. Turn the **MULTI JOG** dial (or press the remote control **5** and **b** buttons) to set the skip time.

   Setting values: 1 sec – 60 sec (default value)

3. Press the **MULTI JOG** dial (or remote control **ENTER** button) to confirm setting values and return to the Home Screen.

**Call function**

The call function returns to the call point (point from where playback last started from playback standby) and puts the unit in playback standby.

When in playback standby, press the **READY [CALL]** button (or remote control **CALL** button) to return to the point from where playback last started and start playback standby.
The call point will be erased when you perform any of the following operations.

- Turn the power OFF
- Remove media from the current device
- Change the play area
- Change the playback mode
- Modify the contents of the current device’s media (by recording, editing or erasing, etc.).

**NOTE**

- If you press the READY [CALL] button (or remote control CALL button) when a Call point has not been specified, a **NoCallPoint** pop-up message will appear.
- You cannot use the Call function in PROGRAM or RANDOM play modes.

### Program playback

By creating a program in advance, you can play the tracks you want in the order you desire. The program can have a maximum of 99 tracks.

#### Preparing the program

Use the front panel of the unit and the included TASCAM RC-SS2 remote control to prepare the program using the following procedures.

1. **When stopped, set the playback mode to PROGRAM.** (See “Setting the playback mode” on page 32.)
2. **Turn the MULTI JOG dial (or use remote control number buttons) to input the number of the track that you want to program, and press the dial (or remote control ENTER button) to add the track to the program.**
3. **Repeat step 2 to add other tracks to the program in order.**
   The screen shows the program number and total time.
4. **Press the front panel or remote control PLAY button to start program playback.**

**NOTE**

- You can add the same track to the program repeatedly.
- Pressing the EDIT [INPUT] button (or remote control EDIT button) will remove the last added track from the program.
- A maximum of 99 tracks can be programmed. If you attempt to program a 100th track, a **PROGRAM FULL** warning message pop-up will appear.

- If the total time of the programmed tracks exceeds 99 hours 59 minutes, 59 seconds, “- -: - -: - -” will appear on the display.
- In PROGRAM play mode, playback is not possible unless at least one track is added to the program.
- When stopped, all program data will be cleared if you press the front panel or remote control STOP button.
- Program data will be cleared if you switch the play mode.
- Program data will be cleared when you power-off the unit.

### Pitch control playback

Using pitch control playback, this unit can modify the pitch (the pitch and playback speed) of the playback. Follow these procedures to use pitch control playback.

1. **Push the PITCH knob (or remote control PITCH button) to turn the pitch control function ON.**
   When ON, the **PITCH** indicator appears on the Home Screen.

2. **Turn the PITCH knob (or press the remote control PITCH –/+ buttons) to set the pitch level.**
   While adjusting the pitch control value, it is shown in a pop-up on the Home Screen.

   **TIP**

   By using the key control function together with the pitch control function, you can change only the speed without affecting the pitch. (See “Key control playback” in the following section.)
Setting the pitch step

You can change the pitch step (amount of pitch adjustment).

The pitch step is the amount of pitch change produced by turning the PITCH knob one step or by pressing the Remote's PITCH +/- button once.

1. Press and hold the PITCH knob (or remote control PITCH button) to open the PITCH STEP- and X.X% pop-up on the Home Screen.

2. While the PITCH STEP pop-up is shown, turn the MULTI JOG dial to set the pitch step.
   Setting range: 0.1% (default value) - 1.0%

3. After making the setting, push the PITCH knob (or remote control PITCH button) to return to the Home Screen.

NOTE
The pitch step setting is retained even after the power is turned OFF.

Key control playback

Using the key control function, you can change the playback key (pitch in semitones).

Follow these procedures in menu mode to turn key control ON/OFF and set the key level.

1. While pressing and holding the SHIFT button, press the PITCH knob (or press the remote control KEY button) to turn the key control function ON.
   When ON, the KEY indicator appears on the Home Screen.

2. While pressing and holding the SHIFT button, turn the PITCH knob (or press the remote control KEY – and + buttons) to set the KEY LEVEL.
   While adjusting the KEY LEVEL, it is shown in a pop-up on the Home Screen.

You can set the KEY LEVEL in a range from ♭6 – 0 (no pitch change), #1–#6.

NOTE
- When using the key control function, the playback may sound irregular. This is due to the special processing being applied to the playback signal, and is not a malfunction.
- The key control KEY LEVEL setting is retained even after the power is turned OFF.

TIP
If you turn on both the key control and pitch control functions, the key (pitch) will be determined by the key control setting and the speed will be determined by the pitch control setting. (In other words, using pitch control to change the speed will not affect the pitch of the sound). Thus, if you set KEY LEVEL to 0 and turn key control ON, you can use pitch control to change the playback speed without affecting the pitch.

Repeat playback

You can repeatedly play back all tracks in the play area, or repeatedly play back a specified region within a track (A-B Repeat playback).

Ordinary repeat playback

When the repeat playback function is ON, the following will occur according to the playback mode.
- CONTINUE: the entire play area will be played back repeatedly
- SINGLE: the current track will be played back repeatedly
- PROGRAM: the entire program will be played back repeatedly
- RANDOM: the entire play area will be played back at random

To turn the repeat playback function ON, follow one of these procedures.
Using the menu

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the PLAY menu.
3. Select REPEAT.

4. Press the MULTI JOG dial or ► [LOCK] button (or remote control ENTER or [button) to move the cursor to the right and select the setting item.
5. Turn the MULTI JOG dial, (or press the remote control ▲ and ▼ buttons) to set it to ON (default value: OFF).
6. Press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

Using the dedicated remote control button

1. Press the remote control REPEAT button to set —Repeat— to ON. A pop-up appears showing that repeat playback is ON.

2. Press the remote control FUNC button to open the FUNCTION screen, and check that REPEAT is highlighted.

Turning repeat playback OFF

Use the PLAY menu REPEAT item or press the remote control REPEAT button to turn it OFF. The REPEAT indicator on the FUNCTION screen appears unhiglighted when OFF.

NOTE

The repeat playback setting is retained even after the power is turned OFF.

A-B repeat playback

This lets you specify a desired region (A-B) within a track to be played back repeatedly. Follow these procedures to conduct A-B repeat playback.

1. During playback or when in playback standby, at the position where you want to start repeat playback, press the FINDER [A-B] button while pressing and holding the SHIFT button (or remote control A-B button) to set the starting point (A).

   —Repeat— and A- appear in a pop-up on the Home Screen.

   NOTE

   If you press the remote control REPEAT button, the repeat playback starting point (A) will be cancelled.

2. Once again press the FINDER [A-B] button while pressing and holding the SHIFT button (or remote control A-B button) to set the ending point (B) of the repeat playback interval.

   —Repeat— and A-B appear in a pop-up on the Home Screen.

   This completes setting the interval (A-B), and A-B repeat playback will start.

   NOTE

   • During playback if you press the remote control REPEAT or A-B button, Repeat and OFF appear in a pop-up, A-B repeat playback is cancelled, and playback will continue even after the designated ending point (B) is reached.

   • If you press the front panel or remote control STOP button to stop playback, the designated interval (A-B) is cleared.

   • The A-B repeat playback interval cannot span more than one track.

Auto Cue function

If the Auto Cue function is on, and you select a track to play, any "silent" portion at the beginning of the track will be skipped, and the track will be put into playback standby at the point where its "signal" begins to be audible. This means that sound will be heard immediately when you start playback.

NOTE

• When using the flash start function to start playback, Auto Cue function is disabled.

• When the Auto Cue function is on, if a track is selected during playback, playback will start from the point where it becomes audible. If a track is selected when in playback standby, playback standby will start at the point where it becomes audible.

• The Auto Cue function setting is retained even after the power is turned OFF.

You can specify the threshold level (Auto Cue LEVEL) used to detect the audio signal when the Auto Cue function is active. In other words, any signal higher than the Auto Cue LEVEL will be treated as “signal,” and any signal lower than this level will be treated as “silence.”
■ Using the menu

1. When stopped, press the MENU [JOG] button (or remote control MENU button) to open the menu screen.
2. Open the PLAY menu.
3. Select AUTO CUE.

   | 1. PLAY AREA | ALL |
   | 2. PLAY MODE | CONTINUE |
   | 3. PLL EDIT | OFF |
   | 4. REPEAT | OFF |
   | 5. AUTO CUE | OFF |
   | 6. AUTO READY | OFF |

4. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER or ► button) to move the cursor to the right and select the setting item.
5. Turn the MULTI JOG dial (or press the remote control ▲/▼ buttons) to set it to ON (default value: OFF).
6. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER or ► button) to open the AUTO CUE setting screen.

   --- AUTO CUE ---
   - LEVEL: -54 dB

   Set the Auto Cue level on this screen.

7. Turn the MULTI JOG dial (or press the remote control ▲/▼ buttons) to set the desired Auto Cue LEVEL.
   Setting range: -24 dB – -72 dB (6 dB intervals, default value: -54 dB)
8. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

■ Using the dedicated remote control button

1. Press the remote control A.CUE button to turn the Auto Cue function ON and open a pop-up showing --Auto cue-- and ON.

2. Press the remote control FUNC button to open the function screen, and check that AUTO CUE is highlighted.

Auto Ready function

If the Auto Ready function is ON, when a track finishes playing, playback standby will occur at the beginning of the next track.

**NOTE**

- If the Auto Cue function is ON, playback standby will occur when sound starts in the next track rather than at the beginning of track.
- When starting playback with the flash start function, the Auto Ready function is disabled.
- The Auto Ready function setting is retained even after the power is turned OFF.

■ Using the menu

1. Press the MENU [JOG] button (or remote control MENU button) to open the menu screen.
2. Open the PLAY menu.
3. Select AUTO READY.

   | 1. PLAY AREA | ALL |
   | 2. PLAY MODE | CONTINUE |
   | 3. PLL EDIT | OFF |
   | 4. REPEAT | OFF |
   | 5. AUTO CUE | OFF |
   | 6. AUTO READY | OFF |

4. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER or ► button) to move the cursor to the right and select the setting item.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to set it to ON (default value: OFF).
6. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

■ Using the dedicated remote control button

1. Press the remote control A.READY button to turn the Auto Ready function ON and open a pop-up showing --Auto ready-- and ON.

2. Press the remote control FUNC button to open the function screen, and check that AUTO READY is highlighted.

Incremental playback function

When the incremental playback function is ON, press the front panel or remote control PLAY button during playback to start playback from the beginning of the next track, or press the front panel or remote control STOP button to start playback standby at the beginning of the next track.
4 – Preparations

NOTE

- When the incremental playback function is ON, pressing the front panel or remote control PLAY button when in playback standby will start playback from that position. When in playback standby, pressing the front panel or remote control STOP button will stop playback.
- When the last track is playing back, pressing the front panel or remote control PLAY button will start playback of the first track in the play area. Pressing the STOP key will pause at the beginning of the first track in the play area.
- The incremental playback function setting is retained even after the power is turned OFF.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the PLAY menu.
3. Select INC., PLAY.

4. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER or ► button) to move the cursor to the right and select the setting item.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to set it to ON (default value: OFF).
6. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

Mono playback

You can play back a stereo audio file in mono. In this case, the left and right signals of the track will be mixed to mono and the same mono signal will be output from both the L and R outputs. Use the menu to make this setting.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the PLAY menu.
3. Select OTHERS.
4. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER or ► button) to move the cursor to the right and select the setting item.
5. Select MONO MIX.

6. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER or ► button) to move the cursor to the right and select the setting item.
7. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to set it to ON (default value: OFF).
8. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE

The MONO MIX setting is retained even after the power is turned OFF.

EOM functions (SS-CDR200/SS-R200 only)

By turning EOM functions ON, you can set the unit to output EOM tally signals from the CONTROL I/O PARALLEL connector when the track or play area remaining time becomes less than the set time.

Setting EOM tally output triggers

Use the menu mode to set the track and play area remaining times that will trigger EOM tally signal output.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the PLAY menu.
3. Select OTHERS.
4. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER or ► button) to open the PLAY OTHERS menu.
5. Select EOM TRACK if you want to set the track remaining time as a trigger or EOM MEDIA if you want to set the remaining time in the play area as the trigger.

6. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER or ► button) to move the cursor to the right and select the setting item.
7. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to set the remaining time for the trigger.

EOM TRACK options:
OFF (default value), 0s – 99s (seconds)

EOM MEDIA options:
OFF (default value), 1s – 99s (seconds)

NOTE
If EOM TRACK is set to 0s, when the track ends a pulse of about 100 ms will be output.
When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

**NOTE**

The EOM function setting is retained even after the power is turned OFF.

**Example of use**

1. Connect the device that will receive the EOM tally signal to the CONTROL I/O PARALLEL connector.
2. Turn the power ON for both this unit and the receiving device.

When the remaining time of the current track or the playback area falls below the specified time, an EOM tally signal will be output from the CONTROL I/O PARALLEL connector.

If the remaining time of both the track and the playback area have been set as triggers, an EOM tally signal will be transmitted when either condition is satisfied.

### Resume playback

If the Resume Playback function is on, playback will begin at the “resume point,” which is the location where playback was last stopped.

The Resume point will be erased if you do any of the following:

- Remove the media from the current device
- Change the play area.
- Change the play mode
- Modify the contents of the media in the current device (by recording, editing, or erasing)

Use the menu to turn the RESUME function ON/OFF.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the PLAY menu.
3. Select OTHERS.
4. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to open the PLAY OTHERS menu.
5. Select RESUME.
6. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to move the cursor to the right and select the setting item.
7. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to set it to ON (default value: OFF).

When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

**NOTE**

- If no playable track exists (e.g., if not even one track has been registered in PROGRAM mode), the display will show all zeros.
- If the resume point does not exist (i.e., if the time registered as the resume point does not exist), the beginning of the first track in the playback area will become the resume point.
- The RESUME playback function setting is retained even after the power is turned OFF.

### Using power-on play

By using a commercially-available timer, for example, to start power to the unit, you can start playback at the desired time.

1. Connect the SS-unit to a timer so that its power will be supplied from the timer's power output.
2. Load media for playback in the current device and set the play area and playback mode, for example, as necessary.
3. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
4. Open the PLAY menu.
5. Select OTHERS.
6. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to open the PLAY OTHERS menu.
7. Select POWER ON PLAY.

8. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to move the cursor to the right and select the setting item.
9. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to set it to ON (default value: OFF).
10. Press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.
11. Set the timer to the desired time.

When the set time arrives, the unit will be powered-on, and playback will begin automatically.

**NOTE**

- When power-on play is enabled, the PB indicator appears on the Home Screen.
- The POWER ON PLAY setting is retained even after the power is turned OFF.
Link playback function

By using the link function, you can make a slave unit follow the playback operations of the master unit. You can use the slave for playback backup. Play, ready, stop, track skip and search operations are conveyed by the link. However, synchronization of operations is not guaranteed with this function.

In order to minimize the delay between units, use identical media with identical contents from the same maker in both master and slave units. Furthermore, you should also set the units so that they have the same playback settings (including Auto Cue and Auto Ready functions) and flash load statuses.

Since there is no clock synchronization, the playback time might become slightly out of sync after playback for a long time.

When using the link function, the digital inputs and outputs cannot be used.

Link playback connections

Connect the master DIGITAL OUT jack to the slave DIGITAL IN jack.

Master unit

Slave unit

Setting link playback

1 Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2 Open the PLAY menu.
3 Select OTHERS.
4 Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to open the PLAY OTHERS menu.
5 Select LINK.
6 Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to move the cursor to the right and select the setting item.

7 Turn the MULTI JOG dial (or press the remote control A and B buttons) to set it to MASTER or SLAVE as appropriate.

Options: OFF (default value), MASTER, SLAVE

8 When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE
The LINK playback setting is retained even after the power is turned OFF.

Flash start function

Using the flash start function, you can instantly start playback of tracks that you have registered in advance. The beginnings of up to twenty tracks can be pre-loaded into memory, so that playback can be triggered instantly by a PS/2 or USB keyboard connected to the front panel, or by an external device connected to the parallel connector on the rear panel (SS-CDR200/SS-R200 only) as well as by a TASCAM RC-20 Direct Play Remote (sold separately).

1 Set the play area. (See “Play area” on page 28.) Set the play area as the playlist or folder that contains the tracks you want to flash-start. Make sure that there are no more than twenty tracks.

2 Set the playback mode to CONTINUE or PROGRAM. (See “Playback modes” on page 29.)

NOTE
You cannot use Flash Load if the play mode is set to RANDOM.

3 When stopped, press the remote control FLASH LOAD button.

The unit will successively read the beginning of each track in the play area. The tracks will be read in the order of playback. In other words if the play mode is CONTINUE, the tracks will be read consecutively, starting with the first. If the play mode is PROGRAM, the tracks will be read in the order of the program.

While the tracks are being read, the F indicator on the home screen will blink. When the tracks have all been loaded, the F indicator will stop blinking and stay visible.
NOTE

• If the playback mode is set to RANDOM and you press the remote control FLASH LOAD button, a CAN'T SELECT warning message pop-up will appear, and the data will not be read.

• If the playback mode is set to SINGLE and you press the remote control FLASH LOAD button, the tracks in the play area will be read successively in the same way as for the CONTINUE setting.

• If twenty-one or more tracks are registered, data for the first twenty tracks from the beginning will be loaded.

4 When FLASH appears on the Home Screen, you can trigger flash-start playback from a PS/2 or USB keyboard connected to the front panel or from an external device connected to the parallel connector (SS-CDR200/SS-R200 only).

If you are using a PS/2 or USB keyboard, you can press CTRL and a function key (F1–F12) to flash-start tracks 1–12 (see “Keyboard operation list” on page 73.).

If you are using the external parallel connector, you will be able to flash-start tracks 1–20 (see “Using the parallel connector” on page 75.)

NOTE

Tracks to be flash started must have the same sampling frequencies. If a track with a different sampling frequency is detected while loading the tracks, -- error -- and FLASH LOAD appear on the display, and the unit will cancel track loading.

TIP

By setting the play area to PLAYLIST and selecting a playlist that contains only the tracks that you want to flash-start as the current playlist, you can efficiently use the flash start setting for the desired tracks (see "Play area" on page 28 and "Editing the playlist (USB/SD/CF media only)" on page 60).
These models can record to USB memory and SD and CF cards. The SS-CDR200 can also record to CD-R and CD-RW discs. The following formats can be used for audio recording.

**USB/SD/CF media:**
MP3 and WAV (44.1/48 kHz sampling frequency) format audio files

**CD-R/CD-RW discs:**
MP3 (44.1/48 kHz sampling frequency) and CD format audio files

The following explanations assume that you have loaded recordable USB/SD/CF media or a CD-R/CD-RW disc (SS-CDR200 only), completed the necessary connections and turned the unit’s power ON.

**Note**
- If the current device is set to CD, an unfinalized CD-R or CD-RW disc must be inserted.
- The maximum number of recordable tracks is 999 tracks for a USB memory, SD card, or CF card (total number of MP3 tracks and WAV tracks) on the SS-CDR200/SS-R200/SS-R100. In the case of a CD-R/CD-RW disc, a data CD disc containing MP3 files can have up to 999 tracks, and an audio CD disc can have up to 99 tracks on the SS-CDR200.
- When using media with a capacity of 2 GB or less, 999 tracks cannot be recorded into the root folder due to file system limitations. A maximum of 999 tracks can be recorded into subfolders.
- If a write-protected SD card is loaded in the unit, the icon appears on the Home Screen and recording will not be possible. (See “SD card write protection” on page 26.)
- You can also copy or convert and copy audio files between a CD and USB/SD/CF media. For details, see “Copying files between CDs and other media (SS-CDR200 only)” on page 63.
- You cannot record in WAV format onto a CD-R/CD-RW disc. However, you can copy WAV files from USB/SD/CF media to a CD-R/CD-RW disc, and play back WAV files on a data CD. (See “Creating data CDs” on page 65.)

**Automatic protection against unintentional power interruptions**

If an unintentional power interruption occurs when recording to USB/SD/CF media, the protection function prevents complete loss of track recording data. Data up to 25 seconds before the interruption is saved.

**Caution**
- Although there is a protection function, due to the nature of USB/SD/CF media, if the unit is writing to the system area when the power is interrupted or the USB/SD/CF media is removed from the unit, all the files on the memory/card could be damaged or lost. For this reason, you should try as much as possible to avoid power interruptions during recording and playback.
- This function was not created for the purpose of use with an external timer, for example, turning off the power.

**Selecting the input source**

Set the input source (recording source) to one of three types of input (analog balanced, analog unbalanced, digital).

Follow the procedures below to select the input source.

**Note**
- You cannot change the input source when recording.
- The input source selection is retained even after the power is turned OFF.

**Selecting the source from the front panel**

While pressing and holding the **SHIFT** button, press the **EDIT [INPUT]** button to show the current input. Press again when this is shown to switch between input sources.

**Selecting the source from the remote control**

Press the **INPUT SEL** button on the TASCAM RC-SS2 remote control to show the current input. Press again when this is shown to switch between input sources.

**Show the input source**

While pressing and holding the **SHIFT** button, press the **EDIT [INPUT]** button to show the currently selected input source.

**A.BAL. (SS-CDR200/SS-R200 only)**
Signals from ANALOG INPUTS L/R (BALANCED) jacks

**A.UNB.**
Signals from ANALOG INPUTS L/R (UNBALANCED) jacks

**D.COAX.**
Signals from DIGITAL IN (COAXIAL) jacks
NOTE
When the input source setting is D.COAX, you cannot start recording from recording standby in the following situations.

- When the unit is not digitally locked to the input source (DIN UNLOCK will appear on the display).
- When the input source is not audio (DIN NotAudio will appear on the display).
- When the sampling frequency specified by the REC menu REC FORMAT item differs from the input source. (FS UNMATCH will appear on the display). However, if you have enabled the sampling rate converter, recording can take place even if the sampling frequency is different (see “Using the sampling rate converter” on page 41).

**Setting the recording file format**

If the current device is set to USB, SD or CF, the unit can record in MP3 and WAV formats. If the current device is set to CD, the unit can record in MP3 and audio CD formats (SS-CDR200 only).

Moreover, both MP3 and WAV files can be on the same USB memory or SD/CF card, but both MP3 and audio CD format files cannot be included on the same CD-R or CD-RW disc. The first file recorded on the CD-R or CD-RW disc will determine the file format that can be recorded on that disc (MP3 or audio CD).

**NOTE**

- WAV files cannot be recorded to a CD-R/CD-RW disc, but using the file copy function described below, you can copy WAV files from USB/SD/CF media to CD-R/CD-RW discs (SS-CDR200 only). See “Copying files between CDs and other media” on page 63.
- Recording of MP3 files to CD-R/CD-RW discs is possible only if a blank disc is inserted. If you eject the disc or turn off the power, adding recordings later will not be possible. (See “Finalizing CD-R/CD-RW discs (SS-CDR200 only)” on page 43.)

When stopped or in recording standby, use the menu to set the file format.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the REC menu.
3. Select REC FORMAT.

4. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or ▶ button) to move the cursor right to select the value.

5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the recording file format.

**USB/SD/CF media**: .mp3 (default value), .wav
**CD-R/CD-RW disc (SS-CDR200 only)**: .mp3 (default value), CDDA (audio CD format)

If the current device is set to CD and the recording file format is set to CDDA, steps 6 and 7 below are not necessary (no screen appears). Skip to step 8.

If the current device is set to USB, SD or CF and the recording file format is set to .mp3, continue with the following procedures.

6. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or ▶ button) to open the REC FORMAT screen.

7. Set the following items on the REC FORMAT screen.

**STEREO/MONO**
Set whether the recording file should be a stereo file or a mono file.
Options: STEREO (default value), MONO

**SAMPLING**
Set the sampling frequency.
Options: 44.1kHz (default value), 48kHz

**BITRATE (can only be set when the recording file format is set to .mp3)**
Set the bit rate.
Options: 64kbps, 128kbps, 192kbps (default value), 256kbps, 320kbps

The bit rate option is the value when recording in stereo. When set to mono recording, the bit rate will be halved, resulting in the same sound quality.

8. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

**NOTE**
The recording file format setting is retained even after the power is turned OFF.

**Using the sampling rate converter**

Since this unit has a built-in sampling rate converter, you can record at a sampling frequency that is different from the sampling frequency of the digital input source.

Use the menu to turn the sampling rate converter (SRC) ON/OFF.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the REC menu.
5 – Recording

3 Select OTHERS.

4 Press the MULTI JOG dial or ►► (LOCK) button (or remote control ENTER or button) to open the REC OTHERS screen.

5 Select SRC.

6 Press the MULTI JOG dial or ►► (LOCK) button (or remote control ENTER or button) to move the cursor right to select the value.

7 Turn the MULTI JOG dial (or press the remote control 5 and 6 buttons) to set it to ON (default value: OFF).

8 When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE
• If a digital signal with a sampling frequency that differs from the sampling frequency specified in the REC FORMAT item is being received at the DIGITAL IN jack, and you attempt to record with SRC off, an FS UNMATCH error message will appear.
• The sampling rate converter (SRC) setting is retained even after the power is turned OFF.

Monitoring the input signal

When you press the front panel or remote control RECORD button to enter recording standby, the RECORD and READY buttons light, and the input signal will be output from the various output jacks (headphones, analog balanced, analog unbalanced and digital). In addition, the meters on the home screen will show the input level.

To end recording standby, press the front panel or remote control STOP button.

TIP
• If you simply want to monitor the input signal without intending to record anything, press the RECORD key without any media in the current device. MONITOR will appear on the display, and the RECORD button will blink red.
• To stop monitoring the input signal, press the STOP button on the front panel or remote control.

Adjusting the input signal level and balance

You can use the menu to adjust the level and balance of the input signal.

Follow the instructions in the “Monitoring the input signal” section above to enable monitoring of the input signal, and then follow these procedures.

1 Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.

2 Open the REC menu.

3 Select INPUT VOLUME.

4 Press the MULTI JOG dial or ►► (LOCK) button (or remote control ENTER or button) to open a pop-up with the INPUT VOLUME settings.

5 Set the following INPUT VOLUME items.

LEVEL
Adjust the input level.
Options: -inf, -54dB, -0.0dB (default value) – +18dB

BALANCE
Adjust the input balance.
Options: L50 – C (center, default value) – R50

NOTE
• The level meter will show OVER at -0.2 dBfs.
• Since the level meter appears on the Home Screen at the top of the display, you can check the input level as you adjust it. Set the level as high as possible without making the OVER indicator to the right of the meter appear.

6 When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE
The input LEVEL and BALANCE settings are retained even after the power is turned OFF.

Basic recording operations

You can begin recording after you have finished making the above settings (input source selection, recording file format setting, sampling rate converter ON/OFF, input level adjustment).

To start recording standby from a stopped state:
Press the front panel or remote control RECORD button to put the unit in recording standby (The RECORD and READY buttons light).

To start recording from recording standby:
Press the front panel or remote control PLAY button.

To switch from recording to recording standby:
Press the front panel or remote control READY button.
To stop recording:
Press the front panel or remote control STOP button. When you stop recording, the recorded data will be written and an audio file will be created.

**NOTE**
- You can use the WORD CLIP item in the REC OTHERS menu to set the audio file name that is automatically added to files when they are created. (See "Setting the format for naming recorded files" on page 47.)
- The maximum size of each track is 2 GB.
- The recorded track will be created in the current folder. (See "Folder operations" on page 51.)

**CAUTION**
While the recorded content is being written to the recording media, INFORMATION WRITING will appear the display. While this message is shown, do not move the unit, turn off the power or remove the media from the current device. The recorded content will not be able to be saved correctly if you do so.

**Finalizing CD-R/CD-RW discs (SS-CDR200 only)**

After you have recorded to a CD-R or CD-RW disc, you will need to finalize the disc before the disc can be played back by a CD player or CD drive other than this unit. The finalization procedures using this unit depend on whether the file format is MP3 or audio CD.

**With MP3 format recordings:**
The unit will automatically finalize the CD-R/CD-RW disc when you eject it. This means that once you remove a disc that was recorded in MP3 format, you will not be able to add recordings to that disc. In addition, if you turn off the power without ejecting the CD-R/CD-RW disc, the unit will automatically finalize the disc the next time it is powered-on.

You can also use the menu to finalize the disc without ejecting it. (See "Finalizing discs" below.)

**With audio CD format recordings:**
If you have recorded in audio CD format, the unit will not automatically finalize the disc. You will be able to make additional recordings on that disc (as long as there is free space remaining on the disc) until you finalize the disc using the menu. However, the disc will not be playable on other devices until you finalize it. For details on how to finalize, refer to the following section.

**Finalizing discs**
As explained above, in order for a CD-R/CD-RW disc recorded by the unit in audio CD format to be playable on another device, that CD must be finalized manually. Moreover, although discs recorded in MP3 format will be finalized automatically when ejected, as described above, you can also finalize a disc manually without ejecting it.

In either case, follow these procedures to finalize a disc.

1. Press the DEVICE button (or remote control DEVICE SELECT button) to open the DEVICE SELECT screen, and select CD. (See “Selecting the device used” on page 26.)
2. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
3. Open the CD menu.
4. Select FINALIZE.

5. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER button or ► button). A confirmation pop-up message appears.

6. Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER button or ► button) again to start finalization.

**NOTE**
You can unfinalize a finalized CD-RW disc. (See "Unfinalizing CD-RW discs" on page 69.)

**Sync recording**
If the sync recording function is ON, recording will begin automatically when the input signal exceeds the level set in advance (SYNC LEVEL). After recording has begun, if the input signal stays below the sync level for the specified length of time (STOP TIME), the unit will end recording and switch to recording standby automatically.

**Sync settings**
Use the menu to turn the sync recording function ON/OFF and to make detailed settings. You can also use the remote's SYNC key to turn this function ON/OFF.

When the sync recording function is on, SYNC REC will appear highlighted on the FUNCTION screen.
5 – Recording

Using the menu

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the REC menu.
3. Select SYNC.

4. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER button) to move the cursor right to select the value.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to turn the sync recording function ON (default value: OFF).
6. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER button) to open the SYNC setting screen.

7. Set the following items on the SYNC setting screen.

   LEVEL
   Sets the sync level.
   Options: -72 dB – -24 dB (default value: -54 dB)

   DELAY
   Sets the time (in frames) from when a signal exceeding the sync level is detected until recording begins (one frame is 1/75th of a second).
   Options: -75f – +75f (frames, default value: 0f)
   If set to a negative value, that amount of audio prior to triggering will also be captured.

   STOP TIME
   Sets the time that the signal must be below the SYNC LEVEL until recording stops and recording standby resumes.
   Options: INF (∞), 5s – 30s (default value: 5s)

   NOTE
   When the DELAY setting range is converted to seconds, it is equivalent to ±1.00 seconds.

8. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

   NOTE
   The sync recording setting is retained even after the power is turned OFF.

Using the remote control SYNC button

Push the remote control SYNC button to open the SYNC pop-up window in the Home Screen and turn the function ON/OFF.

Sync recording operation

When the sync recording function is ON and the unit is in recording standby, recording will automatically start or stop according to the level of the input source.

• When a signal higher than the sync level is input, recording will begin automatically. However, recording will not begin even if input is detected unless there has been at least one second in which the signal was below SYNC LEVEL after entering recording standby.

• When recording, if the input signal stays below the sync level for the STOP TIME, the unit will automatically switch to the recording standby.

   NOTE
   The above explanation is for the case when the DELAY setting is 0f (default value). By changing the DELAY setting, you can change the point when recording starts.

   • When recording, if the input signal stays below the sync level for the STOP TIME, the unit will automatically switch to the recording standby.

   NOTE
   If the STOP TIME is set to INF, recording standby will not be entered automatically even if the input signal stays below the SYNC LEVEL.
To stop sync recording, use the REC menu SYNC item or push the remote control SYNC button to set SYNC to OFF.

If the sync level is too high
If the sync level setting is too high, you may have problems such as failing to capture the beginning of a song that begins with a low volume.

If the sync level is too low
Sync recording will not begin from recording standby, if the source you are recording has a high noise level.

Auto Track function
Auto Track recording is a function that automatically creates a new track with a new number when a set condition is met during recording. Use the menu to enable Auto Track mode and make detailed settings. In addition, Auto Track mode can also be turned ON/OFF using the remote control A.TRACK button. When the Auto Track function in ON, AUTO TRACK will appear highlighted on the FUNCTION screen. Auto Track settings can be changed at any time, so you can change settings while recording.

NOTE
If you have recorded in WAV format, you can also use editing functions to divide or join tracks after recording. (See “Dividing files” on page 57 and “Combining files” on page 58.)

Using the menu
1 Press the MENU (JOG) button (or remote control MENU button) to open the MENU screen.
2 Open the REC menu.
3 Select AUTO TRACK.

4 Press the MULTI JOG dial or ►► [LOCK] button (or remote control ENTER or ▶ button) to move the cursor right to select the value.
5 Turn the MULTI JOG dial (or push remote control ▲ and ▼ buttons) to select one of the following Auto Track modes.

OFF (default value)
New tracks will not be created automatically.

LEVEL
A new track will be created when the signal exceeds the auto track level (AUTO TRACK screen LEVEL value) after having stayed below it for two seconds or longer.

TIME
A new track will be created at the set time interval (AUTO TRACK screen INTERVAL value).

6 If you set AUTO TRACK to anything other than OFF, press the ►► [LOCK] button (or remote control ▶ button) to open the AUTO TRACK setting screen for the current mode.
7 Set the following items according to the mode.

LEVEL mode
- LEVEL
  Sets the level that triggers the Auto Track function.
  Options: -72 dB - -24 dB (6dB steps, default value: -54 dB)
- DELAY
  Sets the time (in frames) from when a signal exceeding the LEVEL is detected until a new track is created (one frame is 1/75th of a second).
  Options: -75 f - +75 f (frame, default value: 0f)
If set to a negative value, that amount of audio prior to triggering will also be included in the new track.

**NOTE**
When the setting range is converted to seconds, it is equivalent to ±1.00 seconds.

**DD (digital direct) mode**
- **DELAY**
  Sets the time in frames until a new track is started from a point detected in DD mode (one frame is = 1/75 seconds).
  Options: -75 f – 75 f (frame) (default value: 0 f)

**TIME mode**
- **INTERVAL**
  Sets the frequency of new track creation.
  Options: 1 min – 10 min, 5 min, 30 min, 1 hour, 2 hour, 6 hour, 8 hour, 12 hour, 24 hour (default value: 5 min)

---

**Creating a new track manually**

When recording, press the front panel or remote control RECORD button, to create a new track (with a higher number) without interrupting recording.

You cannot, however, create a track of 4 seconds or less.

**NOTE**
If you have recorded in WAV format, you can also use editing functions to divide or join tracks after recording. (See “Dividing files” on page 57 and “Combining files” on page 58.)

**CAUTION**
Depending on the USB/SD/CF media used in the unit, when recording in MP3 format, creating many tracks in a short time period can cause recording to stop. An OVERFLOW error message will appear on the screen when this occurs.

To avoid this, wait some time between uses of this function.

---

**Setting the pause mode**

Set whether or not a new track is created when switching from recording to recording standby.

1. Press the MENU [JOG] button (or remote control MENU button) to open the **MENU** screen.
2. Open the REC menu.
3. Select OTHERS.
4. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to open the RE OTHERS screen.
5. Select PAUSE MODE.
6. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to move the cursor right to select the value.
7 Turn the MULTI JOG dial (or push remote control ▲ and ▼ buttons) to select one of the following pause modes.
  SAME TRK (default value)
  No new track created when switching from recording to recording standby
  NEW TRAK
  New track created when switching from recording to recording standby

8 When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE
• This setting cannot be changed when recording or in recording standby.
• The pause mode setting is retained even after the power is turned OFF.

Using the compressor when recording

You can apply the built-in compressor to the recording source while you record.

A compressor is an effect that lowers the level of loud peaks and raises the level of quiet parts in the audio, making the overall level more consistent and quieter recorded sounds easier to hear.

Use the menu to turn on the compressor ON/OFF.

1 Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2 Open the REC menu.
3 Select OTHERS.
4 Press the MULTI JOG dial or ► [LOCK] button (or remote control ENTER or ► button) to open the REC OTHERS screen.
5 Select COMP.
6 Press the MULTI JOG dial or ► [LOCK] button (or remote control ENTER or ► button) to move the cursor right to select the value.
7 Turn the MULTI JOG dial (or push remote control ▲ and ▼ buttons) to select one of the following compressor modes.
  OFF (default value)
  The compressor is not used when recording.
  SOFT
  Light compression is applied when recording. This setting is suitable when recording music.
  HARD
  Strong compression is applied. When the audio source being recorded has a low volume, the recording volume will be boosted significantly, making it suitable when recording a meeting or conference.

8 When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE
The compressor setting is retained even after the power is turned OFF.

Setting the format for naming recorded files (MP3/WAV files only)

You can specify the file name that is automatically given to files when recorded. Use the menu to make this setting.

1 Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2 Open the REC menu.
3 Select OTHERS.
4 Press the MULTI JOG dial or ► [LOCK] button (or remote control ENTER or ► button) to open the REC OTHERS screen.
5 Select WORD CLIP.
6 Press the MULTI JOG dial or ► [LOCK] button (or remote control ENTER or ► button) to move the cursor right to select the value.
7 Turn the MULTI JOG dial (or push remote control ▲ and ▼ buttons) to select one of the following file name formats.
  DATE (default value)
  The date of the built-in clock will become the file name.
  USER 01 – USER 03
  A user-set text string (eight characters) will be used as the file name.

If you selected one of the user options (USER 01 – USER 03), press the MULTI JOG dial or ► [LOCK] button (or remote control ENTER or ► button) to open the WORD CLIP screen where you can edit the name.

To edit the file name, follow the instructions in “Inputting and editing characters” below.
10 When you have finished editing the name, press the MULTI JOG dial (or remote control ENTER button) to confirm the changes to the string of characters.

11 When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE
The recording file name (WORD CLIP) settings are retained even after the power is turned OFF.

Inputting and editing characters
Use the following operations to edit the characters.

To change the editing location (cursor position): Use the [SKIP] and [LOCK] buttons (or remote control g and t buttons).

To change the character at the cursor position: Turn the MULTI JOG dial (or push the remote control 5/ button).

To insert a space: While pressing and holding the SHIFT button, press the [LOCK] button (or remote control SEARCH [button).

To delete a character: While pressing and holding the SHIFT button, press the [SKIP] button (or remote control SEARCH [button).

To delete all characters left of the cursor position: While pressing and holding the SHIFT button, press and hold the [SKIP] button (or remote control SEARCH [button).

To switch between uppercase and lowercase: Press the EDIT [INPUT] button (or remote control EDIT button).

To cancel editing: Press the MENU [JOG] button (or remote control MENU button).

CAUTION
- You can also directly access USB/SD/CF media from a computer to change the names of files, but doing so could change the previous playback order of the files.
- Names that contain characters other than the letters of the alphabet, numbers and symbols cannot be edited (the name will not appear when the RENAME function is being used).
- The following symbols and punctuation marks cannot be used in names.
  \/:*?,<>

Recording with dither
When recording 16-bit WAV files, the 16-bit format limits the dynamic range to approximately 96.3 dB.
You can set how quiet sounds that are lost below the 17th bit (quantization noise) are processed when recording

1 Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2 Open the REC menu.
3 Select OTHERS.
4 Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to open the REC OTHERS screen.
5 Select DITHER.

6 Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to move the cursor right to select the value.
7 Turn the MULTI JOG dial (or push remote control [ and ] buttons) to select one of the following dither settings.

OFF (default value)
No dithering is used. The recording is 16-bit and anything outside this range (16th bit and smaller) is cut.

DITHER
White noise half the size of the minimum bit (16th bit) is added, creating a modulation between the 16th and 17th bits, which suppresses quantization noise.

N.SHAPE
Primary noise shaping is used. The quantization noise itself is fed back and shaped. This suppresses the quantization noise, expanding the dynamic range.

8 When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

NOTE
The dither setting is retained even after the power is turned OFF.
# Media capacities and recording times

This table shows maximum total recording times for different media capacities and file formats.

<table>
<thead>
<tr>
<th>File format (recording setting)</th>
<th>USB/SD/CF media (hours:minutes)</th>
<th>CD-R/CD-RW media (hours:minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 GB</td>
<td>2 GB</td>
</tr>
<tr>
<td>WAV (stereo)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>44.1 kHz</td>
<td>1:36</td>
<td>3:12</td>
</tr>
<tr>
<td>48 kHz</td>
<td>1:28</td>
<td>2:56</td>
</tr>
<tr>
<td>WAV (mono)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>44.1 kHz</td>
<td>3:12</td>
<td>6:24</td>
</tr>
<tr>
<td>48 kHz</td>
<td>2:56</td>
<td>5:52</td>
</tr>
<tr>
<td>MP3 (stereo)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64 kbps</td>
<td>35:20</td>
<td>70:40</td>
</tr>
<tr>
<td>128 kbps</td>
<td>17:40</td>
<td>35:20</td>
</tr>
<tr>
<td>192 kbps</td>
<td>11:40</td>
<td>23:20</td>
</tr>
<tr>
<td>256 kbps</td>
<td>8:50</td>
<td>17:40</td>
</tr>
<tr>
<td>320 kbps</td>
<td>7:00</td>
<td>14:00</td>
</tr>
<tr>
<td>MP3 (mono)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64 kbps</td>
<td>70:40</td>
<td>141:20</td>
</tr>
<tr>
<td>128 kbps</td>
<td>35:20</td>
<td>70:40</td>
</tr>
<tr>
<td>192 kbps</td>
<td>23:20</td>
<td>46:40</td>
</tr>
<tr>
<td>256 kbps</td>
<td>17:40</td>
<td>35:20</td>
</tr>
<tr>
<td>320 kbps</td>
<td>14:00</td>
<td>28:00</td>
</tr>
<tr>
<td>CD-DA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>44.1 kHz</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

- The above recording times are estimates. They may differ depending on the USB/SD/CF media being used.
- The above recording times are not continuous recording times. They are the total amounts of recordable time on the USB/SD/CF media.
You can manage audio files on USB/SD/CF media in a folder structure. You can also manage MP3/WAV files on a data CD in a folder structure (SS-CDR200 only).

You can select a folder or file and then enter the FINDER screen for that file and folder.

When working with USB/SD/CF media, on the FINDER screen, you can create folders, edit the names of folders and files, delete folders and files and add files to the playlist, for example. You can also perform operations directly in the FINDER screen to move and copy files between folders.

When working with an unfinalized data CD that has recorded MP3 or WAV files, the only operations that can be performed from the FINDER screen are creating folders and changing the current folder. You cannot edit or add files to a playlist.

In the case of a CD that contains audio CD format files, the FINDER screen shows folders and music files in each folder as a list that is similar to a computer file list display. When the FINDER screen is open, use the MULTI JOG dial and ◀◀ [SKIP]/▶▶ [LOCK] buttons (or remote control ▲/▼/◀/▶ buttons) to select folders and files for use.

- Press the MULTI JOG dial (or remote control ENTER button) to open the FINDER MENU pop-up for that file or folder. (See “File operations” on page 51 and “Folder operations” on page 51.)
- When a folder is selected, press the ▶▶ [LOCK] button (or remote control ▶ button) to show the contents of the folder.
- Press the FINDER [A-B] button (or remote control FINDER button) to go back to the previous item.
- When a file or folder is selected, press the ◀◀ [SKIP] button (or remote control ◀ button) to move up one level in the folder structure.
- When a file or folder is selected, press the HOME/DISP button (or remote control HOME/DISP button) to return to the Home Screen.
- When a file or folder is selected, press the front panel or remote control PLAY button to return to the Home Screen and play that file or folder. If the play area is set to FOLDER, the selected folder becomes the current folder.
- When a file or folder is selected, press the READY [CALL] button (or remote control READY button) to return to the Home Screen and put that file or folder into playback standby. If the play area is set to FOLDER, the selected folder becomes the current folder.
- When a file or folder is selected, press the EDIT [INPUT] button (or remote control EDIT button) to open the Edit Menu pop-up.
- When a file or folder is selected (shown as light text on a dark background), press the SHIFT button to scroll its name across the display.

The icons that appear on the FINDER screen have the following meanings.

### Current folder (▲)
This is the currently selected folder.

### Folder (▼)
These are folders other than the currently selected folder.

### Audio file (♂)
The names of music files appear next to these icons.
6 – File and folder operations (FINDER screen)

File operations

Select the desired audio file on the FINDER screen, and press the MULTI JOG dial (or remote control ENTER button) to open the file FINDER MENU pop-up.

Turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to select the desired item and press the MULTI JOG dial (or remote control ENTER button) to execute one of the following operations.

**NOTE**
If a write-protected SD card is loaded, the RENAME, DELETE, ADD PLAYLIST and MOVE/COPY items cannot be used. (See “SD card write protection” on page 26.)

**RENAME**
This opens the RENAME screen where you can edit the selected file name. (See “Editing file names (USB/SD/CF media)” on page 52.)

**DELETE**
Deleted the selected item. (See “Deleting folders and files (USB/SD/CF media)” on page 53.)

**ADD PLAYLIST**
Add the selected file to the desired playlist. (See “Adding files to a playlist (USB/SD/CF media)” on page 53.)

**MOVE/COPY**
Move the selected file to a different position in the same folder or move or copy it to another folder. (See “Moving and copying files (USB/SD/CF media)” on page 54.)

**INFORMATION**
Show information, including the file format and sampling frequency, about the selected file in a pop-up.

**CANCEL**
Cancel any operation with the selected file, close the FINDER MENU and return to the FINDER screen.

Folder operations

Select the desired folder on the FINDER screen, and press the MULTI JOG dial (or remote control ENTER button) to open the folder FINDER MENU pop-up.

Turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to select the desired item, and press the MULTI JOG dial (or remote control ENTER button) to execute one of the following operations.

**NOTE**
• All the FINDER MENU functions can be used with USB/SD/CF media. Only some of the functions can be used with (unfinalized) data CDs with MP3/WAV files.
• If a write-protected SD card is loaded, the RENAME, DELETE, ADD PLAYLIST and MOVE/COPY items cannot be used. (See “SD card write protection” on page 26.)

**SELECT**
Open the selected folder.

**RENAME**
This opens the RENAME screen where you can edit the selected folder name. (See “Editing folder names (USB/SD/CF media)” on page 52.)

**DELETE (USB/SD/CF media)**
Deleted the selected item. (See “Deleting folders and files (USB/SD/CF media only)” on page 53.)

**ADD PLAYLIST**
Add the entire selected folder to the desired playlist. (See “Adding entire folders to a playlist (USB/SD/CF media)” on page 53.)

**CURRENT**
A pop-up message that allows you to set the selected folder as the current folder appears.

**NOTE**
Audio files created during recording will be added to the current folder. If you create a new folder to store new recordings, follow the procedures above to set it as the current folder.

**NEW FOLDER**
Creates a new folder. (See “Creating a new folder” on page 54.)

**MOVE/COPY**
Move the selected file to a different position in the same folder or move or copy it to another folder. (See “Moving and copying files (USB/SD/CF media)” on page 54.)
### Editing folder names (USB/SD/CF media only)

1. Select the folder that you want to edit, and turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to select RENAME.
2. Press the MULTI JOG dial (or remote control ENTER button) to open the RENAME screen.
3. Edit the folder name. Follow the instructions in “Inputting and editing characters” on page 48.
4. When you have completed editing the folder name, press the MULTI JOG dial (or remote control ENTER button) to confirm the change.
   -- RENAME -- and a progress bar appear in a pop-up while the folder name is being changed.

After the folder name has been changed, the FINDER screen reopens.

### Editing file names (USB/SD/CF media only)

1. Select the file that you want to edit, and turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to select RENAME.
2. Press the MULTI JOG dial (or remote control ENTER button) to open the RENAME screen.
3. Edit the file name. Follow the instructions in “Inputting and editing characters” on page 48.
4. When you have completed editing the file name, press the MULTI JOG dial (or remote control ENTER button) to confirm the change.
   -- RENAME -- and a progress bar appear in a pop-up while the file name is being changed.

After the file name has been changed, the FINDER screen reopens.

### NOTE
- You can also directly access USB/SD/CF media from a computer to change the names of files, but doing so could change the previous playback order of the files.
- Names that contain characters other than the letters of the alphabet, numbers and symbols cannot be edited (the name will not appear when the RENAME function is being used).
- The following symbols and punctuation marks cannot be used in names.
  \/:*?"<> |
Deleting folders and files (USB/SD/CF media only)

You can delete folders and files from USB/SD/CF media. If you delete a folder, all the files in it will also be deleted. This function can only be used when the playback mode is set to CONTINUE.

1. Select the folder or file that you want to delete, and turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select DELETE.

2. Press the MULTI JOG dial (or remote control ENTER button).

A confirmation pop-up message appears.

To cancel deletion, press the FINDER [A-B] button (remote control FINDER button).

3. Press the MULTI JOG dial (or remote control ENTER button) to delete the item from the USB/SD/CF media.

--- ERASE --- and a progress bar appear in a pop-up while the item is being deleted.

After deletion completes, the FINDER screen reopens.

NOTE
Immediately after deleting a folder or file, you can undo the operation. (See “Undoing EDIT menu operations” on page 59.)

Adding entire folders to a playlist (USB/SD/CF media only)

You can add all the files in a folder to the desired playlist at once.

Files in subfolders, however, will not be added.

1. Select the folder that you want to add to the playlist, open the FINDER screen, and turn the MULTI JOG dial (or push remote control ▲ / ▼ buttons) to select ADD PLAYLIST.

2. Press the MULTI JOG dial (or remote control ENTER button) to open the ADD PLAYLIST screen.

3. Turn the MULTI JOG dial (or push remote control ▲ / ▼ buttons) to select the destination playlist.

4. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or ▽ button) to open the selected playlist.

5. Turn the MULTI JOG dial (or push remote control ▲ / ▼ buttons) to set the location of the folder that you are adding in the playlist. The inserted folder will appear highlighted, and its files will be inserted at that position.

6. Press the MULTI JOG dial (or remote control ENTER button) to add the folder contents to the playlist.

--- PLAYLIST --- and ADD appear in a pop-up and the file (or all files in the folder) are added to the playlist.

NOTE
- A maximum of 99 tracks can be added to a playlist.
- If you attempt to add more than 99 tracks, a P.LIST FULL warning message pop-up will appear, and the track(s) will not be added.
- You cannot add the same track more than once to a playlist.

Adding files to a playlist (USB/SD/CF media only)

You can add files to the desired playlist.

1. Select the file that you want to add to the playlist, open the FINDER screen, and turn the MULTI JOG dial (or push remote control ▲ / ▼ buttons) to select ADD PLAYLIST.
2 Press the MULTI JOG dial (or remote control ENTER button) to open the **ADD PLAYLIST** screen.

3 Turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to select the destination playlist.

4 Press the MULTI JOG dial or ➤[LOCK] button (or remote control ENTER or ➤ button) to open the selected playlist.

5 Turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to set the location of the file that you are adding in the playlist. The inserted file will appear highlighted, and it will be inserted at that position.

6 Press the MULTI JOG dial (or remote control ENTER button) to add the file to the playlist.

--- PLAYLIST --- and **ADD** appear in a pop-up and the file (or all files in the folder) are added to the playlist.

**NOTE**
- A maximum of 99 tracks can be added to a playlist.
- If you attempt to add more than 99 tracks, a **P.LIST FULL** warning message pop-up will appear, and the track(s) will not be added.
- You cannot add the same track more than once to a playlist.

Creating a new folder (USB/SD/CF media only)

1 Select the folder where you want to create a new folder, and turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to select **NEW FOLDER**.

2 Press the MULTI JOG dial (or remote control ENTER button) to open the **NEW FOLDER** screen.

3 Input the folder name. Follow the instructions in “Inputting and editing characters” on page 48.

4 When you have completed inputting the folder name, press the MULTI JOG dial (or remote control ENTER button) to confirm the name.

--- FOLDER --- and a progress bar appear in a pop-up while the folder is being created.

After the folder has been created, the **FINDER** screen reopens.

**NOTE**
- A maximum of 255 folders can be created on a single USB memory or SD or CF card.
- When using media with a capacity of 2 GB or less, 255 folders cannot be created in the root folder due to file system limitations. A maximum of 255 folders, including subfolders, can be created.

Moving and copying files (USB/SD/CF media only)

You can move a file within a folder on USB/SD/CF media, or move or copy it to a different folder. These operations are performed in the **FINDER** screen.

The following explanations assume that the **FINDER** screen for the applicable folder is displayed.

Moving a file within a folder

1 Select the file that you want to move, and turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to select **MOVE/COPY**.

2 Press the MULTI JOG dial (or remote control ENTER button). The file to be moved blinks on the **FINDER** screen.

3 Turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to move the selected file to the desired position.
4 Press the MULTI JOG dial (or remote control ENTER button) to confirm movement to the position.

-- MOVE -- and a progress bar appear in a pop-up while the movement is completed.

After the file name has been moved, the FINDER screen reopens.

Move/copy files between folders

1 Select the file to be moved and copied, and turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to select MOVE/COPY.

2 Press the MULTI JOG dial (or remote control ENTER button). The file to be moved or copied blinks on the FINDER screen.

3 Use the MULTI JOG dial and ◄ [SKIP] and ► (LOCK) buttons (or remote control ▲/▼/◄ and ► buttons) to navigate the FINDER screen and open the destination folder.

If you move the cursor to where a file name is shown, the file moved will appear there blinking.

4 Turn the MULTI JOG dial (or push remote control ▲/▼ buttons) to move the blinking file to the position where you want it.

Press the MULTI JOG dial (or remote control ENTER button) to show the following menu items in a pop-up.

5 Select MOVE if you just want to move the file from its former location or COPY if you want to copy the file, and press the MULTI JOG dial (or remote control ENTER button).

-- MOVE -- or -- COPY -- (as appropriate) and a progress bar appear in a pop-up while the file is moved and copied.

NOTE
If you choose COPY, the original file will remain where it was. If you choose MOVE, the original file will not remain.
When working with CDs that have audio CD format files, you can use the audio CD FINDER screen to select tracks for playback. In addition, when working with unfinalized CD-R/CD-RW discs that have audio CD format files, you can also edit the CD-Text.

The following explanations assume that an audio CD is inserted and CD is selected as the current device.

Opening the audio CD FINDER screen

When stopped, in playback standby or playing back, press the FINDER [A-B] button (or remote control FINDER button) to open the audio CD FINDER screen.

This screen shows the tracks in numerical order.

If you open this screen while stopped, track 1 will be selected.

When in playback standby or during playback, the current track will be selected.

To close the FINDER screen and return to the Home Screen:
Press the HOME/DISP button (or remote control HOME/DISP button).

Selecting a track to play

Follow these procedures on the audio CD FINDER screen to play back a track.

1. Open the FINDER screen, and select the track to playback.

2. Press the PLAY button (or remote control PLAY button)
When stopped, doing this will start playback of the selected track.
When in playback standby, doing this will start playback standby at the beginning of the selected track.

Editing CD-Text (CD-R/CD-RW disc only)

If you insert an unfinalized CD-R/CD-RW disc that has audio CD format files, you can follow these procedures to edit the CD-Text.

1. Open the FINDER screen, and select the desired track.

2. Press the MULTI JOG dial (or remote control ENTER button) to open the CD-Text editing screen for the selected track.

3. Edit the text. Follow the instructions in “Inputting and editing characters” on page 48.

4. After you finish editing the CD-Text, press the MULTI JOG dial (or remote control ENTER button) to confirm the changes.

   After the CD-Text has been changed, the FINDER screen reopens.

CAUTION

• If you press the EJECT button, the following warning message pop-up will appear.

   Please finalize the disc in order to save the CD-TEXT. (See “Finalizing CD-R/CD-RW discs (SS-CDR200 only)” on page 53.)

NOTE

• Names that contain characters other than the letters of the alphabet, numbers and symbols cannot be edited (the name will not appear when the RENAME function is being used).

   The following symbols and punctuation marks cannot be used in names.

   \;*:?,"<>|
Using the edit menu

Press the EDIT [INPUT] button (or remote control EDIT button) to open the EDIT menu pop-up.

Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the desired item. Then, press the MULTI JOG dial (or remote control ENTER button) to use the selected item.

NOTE
If a write-protected SD card is loaded, the following operations are not possible. (See “SD card write protection” on page 26.)

DELETE
Delete the selected file. (See “Deleting files” on page 57.)

DIVIDE
Divide the selected file. (See “Dividing files” on page 57.)

COMBINE
Combine the selected files. (See “Combining files” on page 58.)

UNDO
Undo the last edit menu operation. (See “Undoing EDIT menu operations” on page 59.)

CANCEL
Cancel the use of the EDIT menu, closing it and returning to the Home Screen. The READY [CALL] button will light.

Deleting files

You can delete files shown on the Home Screen from the USB/SD/CF media.
This function can only be used when the playback mode is set to CONTINUE.

1 Use the PLAY, ◀ ◀ [SKIP] and ▶ ▶ [LOCK] buttons (or remote control PLAY and SEARCH ◀ ◀/▶ ▶ buttons), as well as time searching, skipping backward and forward and other functions to locate the file you want to delete.

2 Press the EDIT [INPUT] button (or remote control EDIT button) to open the EDIT menu pop-up.

3 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select DELETE.

4 Press the MULTI JOG dial (or remote control ENTER button).

To delete, press the EDIT [INPUT] button (or remote control EDIT button).

5 Press the MULTI JOG dial (or remote control ENTER button) to delete the item from the USB/SD/CF media.

NOTE
Immediately after deleting a file, you can undo the operation. (See “Undoing EDIT menu operations” on page 59.)

Dividing files

You can divide a recorded WAV file at the position you want into two files.
This function can only be used when the playback mode is set to CONTINUE.

NOTE
• MP3 files cannot be divided.
• Immediately after dividing a file, you can undo the operation. (See “Undoing EDIT menu operations” on page 59.)

1 Use the PLAY, ◀ ◀ [SKIP] and ▶ ▶ [LOCK] buttons (or remote control PLAY and SEARCH ◀ ◀/▶ ▶ buttons), as well as time searching, skipping backward and forward and other functions to locate the general position where you want to divide the WAV file.
You will be able to make fine adjustments later, so an approximate location is fine.

2 During playback or when in playback standby, press the EDIT [INPUT] button (or remote control EDIT button) to open the EDIT menu pop-up.

3 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select DIVIDE.
4 Press the MULTI JOG dial (or remote control ENTER button) to open the Home Screen in scrub playback mode.

In scrub playback mode, the track elapsed time in the TRACK mode area on the Home Screen will show the frame value. The PLAY and READY [CALL] buttons blink.

5 Use the scrub playback function to find the precise point where you want to divide the file. Turn the MULTI JOG dial (or remote control SKIP [SKIP] button) to use scrub playback for adjusting the division point.

6 When you have set the division point, press the MULTI JOG dial (or remote control ENTER button). A confirmation pop-up message appears.

If you need to change the division point, press the EDIT [INPUT] button (or remote control EDIT button) to return to scrub playback mode and repeat step 5. To divide the file, proceed to step 7.

NOTE
If a file has been added to a playlist, a P.LIST ENTRY warning message will appear in a pop-up. If a file that has been edited has been added to a playlist, that playlist will not be able to be played back. You will need to remove the divided files from the playlist on the PLAYLIST EDIT or USER PLAYLIST screen.

7 Press the MULTI JOG dial (or remote control ENTER button) to divide the file.

-- DIVIDE -- and a progress bar appear in a pop-up while the file is being divided.

After division completes, the FINDER screen reopens.

Combining files

You can combine two recorded WAV files into one file. This function can only be used when the playback mode is set to CONTINUE.

NOTE
- You cannot combine two WAV files that have different sampling rates or different numbers of channels.
- You can undo the COMBINE operation after executing it. (See “Undoing EDIT menu operations” on page 59.)

1 Use the PLAY, [SKIP] and [LOCK] buttons (or remote control PLAY and SEARCH [SKIP] buttons), as well as time searching, skipping backward and forward and other functions to locate one of the files that you want to combine.

2 Press the EDIT [INPUT] button (or remote control EDIT button) to open the EDIT menu pop-up.

3 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select COMBINE.

4 Press the MULTI JOG dial (or remote control ENTER button) to put a check mark (√) next to the selected file.

5 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the file that you want to combine with the checked file.

6 Press the MULTI JOG dial (or remote control ENTER button).

A confirmation pop-up message appears, the PLAY and READY [CALL] buttons blink, and the four seconds preceding and following the combination point will be played back repeatedly.

To cancel combination, press the EDIT [INPUT] button (or remote control EDIT button).

The FINDER screen will reopen. Repeat from step 4 if you still want to combine files.

NOTE
If a file has been added to a playlist, a P.LIST ENTRY warning message will appear in a pop-up. If a file that has been edited has been added to a playlist, that playlist will not be able to be played back. You will need to remove the divided files from the playlist on the PLAYLIST EDIT or USER PLAYLIST screen.

7 To confirm and execute the combination, press the MULTI JOG dial (or remote control ENTER button).

-- COMBINE -- and a progress bar appear in a pop-up while the files are being combined.
After combining completes, the FINDER screen reopens.

**Undoing EDIT menu operations**

Among EDIT menu operations, the division, combination and deletion of files, as well as the deletion of folders can be undone immediately after the operation is executed. This function can only be used when the playback mode is set to CONTINUE.

**NOTE**

When undoing, it does not matter which folder/file is selected on the FINDER screen before opening the EDIT menu.

1. Press the EDIT [INPUT] button (or remote control EDIT button) to open the EDIT menu pop-up.
2. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select UNDO.
3. Press the MULTI JOG dial (or remote control ENTER button).
   A confirmation pop-up message appears.
4. Press the MULTI JOG dial (or remote control ENTER button) to undo the last edit.
   --- UNDO --- and a progress bar appear in a pop-up while the edit is being undone.

After undoing completes, the FINDER screen reopens. The folder/file that was affected by the undo operation will be selected.

**NOTE**

- To cancel the undo operation, press the EDIT [INPUT] button (or remote control EDIT button).
- If there is no file operation that can be undone, a CAN’T UNDO warning message will appear in a pop-up.
9 – Editing the playlist (USB/SD/CF media only)

Overview

When you first load USB/SD/CF media into the unit, the unit automatically creates three empty playlists (01–03) on the selected media. If you add audio files on the media to these playlists, and set the play area to a playlist, the files in the current playlist can be set as the current playback area.

To work with the playlist, from the PLAY menu, select the P.L. EDIT item to open the PLAYLIST EDIT screen. If the play area (see “Play area” on page 60) is set to PLAY LIST, the USER PLAYLIST screen opens instead.

Navigating the playlist screen

On the PLAYLIST EDIT and USER PLAYLIST screens, three playlists (PLAYLIST 01 – PLAYLIST 03) are shown.

The numbers of files (tracks) in each playlist are shown to their right.

When the PLAYLIST EDIT or USER PLAYLIST screen is open, turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the playlist that you want to work with. In this state, you can perform the following operations.

- To start playback from the beginning of the playlist:
  When the USER PLAYLIST screen is open, press the front panel or remote control PLAY button.
  When playback starts, the Home Screen reopens. The selected playlist becomes set as the current playlist.

- To start playback standby at the beginning of the playlist:
  When the USER PLAYLIST screen is open, press the READY [CALL] button (or remote control READY button).
  When playback standby starts, the Home Screen reopens. The selected playlist becomes set as the current playlist.

- To open the playlist screen:
  When the PLAYLIST EDIT or USER PLAYLIST screen is open, press the MULTI JOG dial or /[LOCK] button (or remote control ENTER or t button).
  The Playlist XX screen (“XX” is the list number) shows the files in the playlist.

- To open the playlist FINDER MENU:
  When the Playlist XX screen (“XX” is the list number) is open, press the MULTI JOG dial (or remote control ENTER button) to open the playlist FINDER MENU pop-up. For details about the items in the FINDER MENU pop-up, see “Using the playlist FINDER MENU” on the next page.

Open the USER PLAYLIST screen

If the play area is set to PLAYLIST (see “Play area” on page 60), and the unit is stopped, playing or in playback standby, press the FINDER [A-B] button (or remote control FINDER button) to open the USER PLAYLIST screen.
Using the playlist FINDER MENU

You can use the playlist FINDER MENU to add files to a playlist, as well as to move and remove them.

The following explanations assume that the Playlist XX screen ("XX" is the list number) for the desired playlist is open.

To open the playlist FINDER MENU pop-up, select the desired playlist from the PLAYLIST EDIT or USER PLAYLIST screen, and press the MULTI JOG dial (or remote control ENTER button). (See “Navigating the playlist screen” on page 61.)

Turn the MULTI JOG dial (or push remote control ▲ / ▼ buttons) to select the desired item, and press the MULTI JOG dial (or remote control ENTER button) to execute the selected operation.

NOTE
If a write-protected SD card is loaded, the ADD PLAYLIST, MOVE and DELETE items cannot be used. (See “SD card write protection” on page 26.)

ADD PLAYLIST
Add a file to the selected playlist. (See “Adding files to playlists” on page 61.)

MOVE
Move the selected file within the same playlist. (See “Moving and copying files (USB/SD/CF media)” on page 54.)

DELETE
Open a pop-up message confirmation that you want to remove the file from the playlist.

NOTE
• A maximum of 99 tracks can be in a playlist.
• If you attempt to add more than 99 tracks, a P LIST FULL warning message pop-up will appear, and the track(s) will not be added.
• You cannot add the same track more than once to a playlist.

Adding files to playlists

Follow these procedures to add individual files to playlists. You can also add all the files in a folder at once.

1 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select ADD PLAYLIST.

2 Press the MULTI JOG dial (or remote control ENTER button) to open the FINDER screen.

3 Select the file or folder that you want to add.
For instructions about using the FINDER screen, see “Navigating the FINDER screen” on page 50.
If you select a folder, all the files in the folder will be added.

NOTE
Files in subfolders will not be added.

4 Press the MULTI JOG dial (or remote control ENTER button).
   -- PLAYLIST -- and ADD appear in a pop-up and the file (or all files in the folder) are added to the playlist.

NOTE
• A maximum of 99 tracks can be in a playlist.
• If you attempt to add more than 99 tracks, a P LIST FULL warning message pop-up will appear, and the track(s) will not be added.
• You cannot add the same track more than once to a playlist.
Removing files from playlists

Follow these procedures to remove one or all files from a playlist.
Even though files are “deleted” from the playlist, they are not deleted from the media.

1 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select a playlist or a file in a playlist. (If a playlist is selected, all the files will be removed from the playlist.)
2 Press the MULTI JOG dial (or remote control ENTER button) to open the FINDER MENU pop-up.
3 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select DELETE.
4 Press the MULTI JOG dial (or remote control ENTER button).
   A confirmation pop-up message appears.
5 Press the MULTI JOG dial (or remote control ENTER button) to remove the file(s).
   To cancel removal, press the FINDER [A-B] button (or remote control FINDER button).

Moving a file in a playlist

You can change the position of a file in a playlist.

1 Select the file to move.
2 Press the MULTI JOG dial (or remote control ENTER button) to open the FINDER MENU pop-up.
3 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select MOVE.
   The file to be moved blinks on the FINDER screen.
4 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to move that file to the desired position.
5 Press the MULTI JOG dial (or remote control ENTER button) to confirm the new position after moving.
   — PLAYLIST — and a progress bar appear in a pop-up while the movement completes, and then the Playlist XX screen reopens.
You can copy (or convert and copy) files on USB/SD/CF media to a blank CD. You can also copy (or convert and copy) files on a CD to USB/SD/CF media.

Copying is only possible from the CD menu, so set the current device to CD. Before conducting the following operations, load appropriate CD and USB/SD/CF media in the unit.

**NOTE**

You cannot copy to a write-protected SD card. (See “SD card write-protection” on page 26.)

---

**Copy/convert and copy files from USB/SD/CF media to blank CDs**

When copying MP3 or WAV files from USB/SD/CF media to a blank CD, you can copy the files in the same file format to make a data CD or convert the files into audio CD format when copying.

If you select audio CD format, MP3 and WAV files on USB/SD/CF media will be converted to audio CD format and copied to a blank CD.

If you use an unfinalized CD-R/CD-RW disc that already has tracks on it, the disc format is already set as audio CD or data CD, and that format must be used.

**NOTE**

- This unit cannot record WAV files to CD-R/CD-RW discs, but WAV files can be copied from USB/SD/CF media to CD-R/CD-RW discs.
- This unit can play back WAV files copied to CD-R/CD-RW discs.

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**Creating audio CDs**

The following describes how to convert MP3 or WAV files on USB/SD/CF media to audio CD format and write them to a CD-R/CD-RW disc.

The following procedure assumes that CD is selected as the current device and that the USB/SD/CF media that contains the copy-source files and the CD-R/CD-RW that is the copy destination are loaded in the unit.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the CD menu.
3. Select BURN TO CD.
4. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the source device.

---

5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the device that contains the files to be copied.
6. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the CD-R/CD-RW disc format.

---

**NOTE**

- If the selected device media is still being read, MEDIA READ and a progress bar appear in a pop-up.
- If media is not loaded in the selected device, MEDIA READ appears in a pop-up followed by ERROR and the media type (e.g. CF READ).

7. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select CD-DA.

---

**NOTE**

If audio format files have already been written to the CD-R/CD-RW disc, the above pop-up window will not appear. CD-DA format will be selected automatically.

8. Press the MULTI JOG dial (or remote control ENTER button) to open the BURN SOURCE SELECT screen for the selected media.

9. Select the tracks to copy to the CD-R/CD-RW disc from the BURN SOURCE SELECT screen. You cannot select a folder.

To select multiple files, when the desired file is selected, press the FUNCTION button (or remote control FUNC button). Repeat this for each file. Checkmarks (✓) are placed next to selected files. You can only select multiple files that are in the same folder.

To deselect a selected file, press the FUNCTION button (or remote control FUNC button) once again.

---

**NOTE**

- You can select multiple files only within the same folder, so once you use the FUNCTION button (or
remote control FUNC button) to select the first file, you will no longer be able to move to a different folder.

- In step 10 below, if you attempt to use ADD TRACK with a file that has already been selected, an Already has been entered warning message appears in a pop-up.
- If you attempt to select a copy-source file that is less than 4 seconds, Cannot burn under 4s will appear in a pop-up.
- If you are selecting only one file, there is no need to press the FUNCTION button (or remote control FUNC button). After selecting the desired file, proceed to step 10.

10 When you have selected all the files to be written to the CD-R/CD-RW disc, press the MULTI JOG dial (or remote control ENTER button) to confirm the selections and open the TRACK LIST screen.

The time that will remain (REMAIN XXmin) on the CD-R/CD-RW disc after the files have been written will be displayed in the upper right of the screen.

If the allowable time is exceeded, OVER will appear instead, and you will not be able to write the selected files to the CD-R/CD-RW disc. In this case, you'll need to delete some of the selected source files until the OVER indication disappears.

If there are files that have already been written to the disc, these files will also be shown in this list.

Note marks (\(\square\)) will appear next to existing tracks. Note marks (\(\square\)) will not appear next to tracks that will be added.

**NOTE**

As necessary, you can change the track order or remove files. For details about how to change and remove files, see “Moving files within the track list” and “Removing files from the track list” below.

11 To write the files, press the MULTI JOG dial (or remote control ENTER button) to open the following pop-up window.

12 If you want to add more tracks, choose ADD TRACK and press the MULTI JOG dial (or remote control ENTER button) to return to step 9.

   If you have completed selecting tracks, select BURN EXECUTE, and press the MULTI JOG dial (or remote control ENTER button).

   A confirmation pop-up message appears.

13 Press the MULTI JOG dial (or remote control ENTER button) again to start writing tracks to the CD-R/CD-RW disc.

   -- BURN -- and a progress bar appear in a pop-up while the disc is being written.

   When writing is completed, the CD menu screen will reopen.

### Moving files within the track list

While the TRACK LIST screen is open, you can follow these procedures to change the track order. You cannot change the order of tracks that have already been written to a CD-R/CD-RW disc.

1 Turn the MULTI JOG dial (or press the remote control \(\uparrow\) and \(\downarrow\) buttons) to select the track that you want to move to a different position.

2 Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window.

3 Select MOVE TRACK, and press the MULTI JOG dial (or remote control ENTER button).

   The file selected for moving blinks.

4 Turn the MULTI JOG dial (or press the remote control \(\uparrow\) and \(\downarrow\) buttons) to move the selected file to the desired position.

5 Press the MULTI JOG dial (or remote control ENTER button) to confirm the move.

6 Repeat steps 1–5 as necessary.

### Removing files from the track list

While the TRACK LIST screen is open, you can follow these procedures to remove a file. You cannot remove a file that has already been written to a CD-R/CD-RW disc.

1 Press the MENU [JOG] dial (or remote control MENU button) to open the FINDER screen for the selected media.

2 Turn the MULTI JOG dial (or press the remote control \(\uparrow\) and \(\downarrow\) buttons) to select the file you want to remove.

3 Press the MULTI JOG dial (or remote control ENTER button) to remove the checkmark (\(\checkmark\)) next to the file you want to remove.

4 Repeat steps 2–3 as necessary.
Creating data CDs

This section explains how files (MP3 or WAV files) from a USB/SD/CF media can be copied in their current format to create a data CD.

The following procedures assume that CD is set as the current device and that USB/SD/CF media that includes copy-source files and the destination CD-R/CD-RW disc are loaded.

**NOTE**
You can copy WAV files on USB/SD/CF media to a CD-R/CD-RW disc but you cannot record WAV files using a CD using this unit.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the CD menu.
3. Select BURN TO CD, and press the MULTI JOG dial (or remote control ENTER button).
4. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the device used.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the device that contains the files to be copied.
6. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the format for writing the CD-R/CD-RW disc.
7. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select CD-Data.

**NOTE**
- If the selected device media is still being read, MEDIA READ and a progress bar appear in a pop-up.
- If the selected device media is not loaded, after MEDIA READ, ERROR and the media type (CF READ, etc.) appears in a pop-up.

8. Press the MULTI JOG dial (or remote control ENTER button) to open the FINDER screen for the selected media.

9. Select the folder or file from the FINDER screen to copy to the CD-R/CD-RW disc. If you select a folder, all the files in the folder will be copied.

To select multiple files or folders, when the desired file or folder is selected, press the FUNCTION button (or remote control FUNC button). Repeat this for every file and folder.

Checkmarks (✓) are placed next to selected files and folders. You can only select multiple files and folders if they are in the same folder.

To deselect a selected file or folder, press the FUNCTION button (or remote control FUNC button) once again.

**NOTE**
- You can select multiple files and folders only within the same folder, so once you use the FUNCTION button (or remote control FUNC button) to select the first file or folder, you will no longer be able to move to a different folder.
- If you are selecting only one file or folder, there is no need to press the FUNCTION button (or remote control FUNC button). After selecting the desired file, proceed to step 10.

10. When you have selected all of the files to be written to the CD-R/CD-RW disc, press the MULTI JOG dial (or remote control ENTER button) to confirm the selections and open the BURN TARGET SELECT screen.

**NOTE**
- If the selected copy-source files would exceed the free space on the disc or the allowable number of tracks, you will not be able to proceed to the BURN TARGET SELECT screen. In this case, delete some of the selected folders or files so that the limit is no longer exceeded.
10 - Copying files between CDs and other media (SS-CDR200)

- If the total size of the copy-source files exceeds the free space on the copy-destination disc, **CAPACITY OVER** appears in a pop-up after step 10.
- If copying the copy-source files would exceed the allowable number of tracks on the disc, **TRACK OVER** appears in a pop-up after step 10.

11 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the destination for the files.
If the disc already has a folder structure, select a file or folder on the FINDER screen.
The folders or files will be copied after the selected folder or file.

12 Press the MULTI JOG dial (or remote control ENTER button) to confirm the selection.
A confirmation pop-up message appears.

**NOTE**
If there are files with the same name, the following pop-up message will appear.

After this, the pop-up message disappears and the CD menu screen opens.

13 Press the MULTI JOG dial (or remote control ENTER button) again to start writing to the CD-R/CD-RW disc.

-- BURN -- and a progress bar appear in a pop-up while the disc is being written.

When writing is completed, the CD menu screen will reopen.

**NOTE**
When you press the EJECT button, the CD-R/CD-RW disc will be finalized automatically before it is ejected. (See “Finalizing CD-R/CD-RW discs (SS-CDR200 only)” on page 43.)

### Converting CD files and copying them to USB/SD/CF media

You can copy files from a CD to USB/SD/CF media with or without conversion. When copying from an audio CD to the media, each track file will be converted into the format you specify (MP3 or WAV file).

When copying from a CD-R/CD-RW disc that contains MP3 or WAV files, the files can be copied in their current format.

### Converting and copying audio CD tracks

The following explains how to convert audio CD format files on a CD into MP3 and WAV format and copy them to the selected media (USB/SD/CF media).

The following procedure assumes that CD is selected as the current device and that a CD that contains the copy-source files and the copy destination media are loaded in the unit.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the CD menu.
3. Select RIP TO MEMORY, and press the MULTI JOG dial (or remote control ENTER button).

   **NOTE**
   - If the selected device media is still being read, **MEDIA READ** and a progress bar appear in a pop-up.
   - If the selected device media is not loaded, after **MEDIA READ**, **ERROR** and the media type (CF READ, etc.) appear in a pop-up.

4. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the device used.

5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the copy destination device.
6. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can set the file format.

   **NOTE**
   - If the selected device media is still being read, **MEDIA READ** and a progress bar appear in a pop-up.
   - If the selected device media is not loaded, after **MEDIA READ**, **ERROR** and the media type (CF READ, etc.) appear in a pop-up.

---

**Converting and copying audio CD tracks**

The following explains how to convert audio CD format files on a CD into MP3 and WAV format and copy them to the selected media (USB/SD/CF media).

The following procedure assumes that CD is selected as the current device and that a CD that contains the copy-source files and the copy destination media are loaded in the unit.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the CD menu.
3. Select RIP TO MEMORY, and press the MULTI JOG dial (or remote control ENTER button).

   **NOTE**
   - If the selected device media is still being read, **MEDIA READ** and a progress bar appear in a pop-up.
   - If the selected device media is not loaded, after **MEDIA READ**, **ERROR** and the media type (CF READ, etc.) appear in a pop-up.

4. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the device used.

5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the copy destination device.
6. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can set the file format.

   **NOTE**
   - If the selected device media is still being read, **MEDIA READ** and a progress bar appear in a pop-up.
   - If the selected device media is not loaded, after **MEDIA READ**, **ERROR** and the media type (CF READ, etc.) appear in a pop-up.

---

**Converting CD files and copying them to USB/SD/CF media**

You can copy files from a CD to USB/SD/CF media with or without conversion. When copying from an audio CD to the media, each track file will be converted into the format you specify (MP3 or WAV file).

When copying from a CD-R/CD-RW disc that contains MP3 or WAV files, the files can be copied in their current format.

---

**Converting and copying audio CD tracks**

The following explains how to convert audio CD format files on a CD into MP3 and WAV format and copy them to the selected media (USB/SD/CF media).

The following procedure assumes that CD is selected as the current device and that a CD that contains the copy-source files and the copy destination media are loaded in the unit.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the CD menu.
3. Select RIP TO MEMORY, and press the MULTI JOG dial (or remote control ENTER button).

   **NOTE**
   - If the selected device media is still being read, **MEDIA READ** and a progress bar appear in a pop-up.
   - If the selected device media is not loaded, after **MEDIA READ**, **ERROR** and the media type (CF READ, etc.) appear in a pop-up.

4. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the device used.

5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the copy destination device.
6. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can set the file format.

   **NOTE**
   - If the selected device media is still being read, **MEDIA READ** and a progress bar appear in a pop-up.
   - If the selected device media is not loaded, after **MEDIA READ**, **ERROR** and the media type (CF READ, etc.) appear in a pop-up.
7 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the file format to be saved to the selected device media.

**FILE**
Set the file format.
Options: .mp3 (default value), .wav

**BITRATE**
Set the MP3 format bit rate.
Options: 64kbps, 128kbps, 192kbps (default value), 256kbps, 320kbps

**NOTE**
The sampling frequency is fixed at 44.1 kHz for files stored on the selected device media.

8 After you have completed all settings, press the MULTI JOG dial (or remote control ENTER button) to open the **RIP SOURCE SELECT** screen.

9 Select the tracks to copy.
Select a source track, and press the FUNCTION button (or remote control FUNC button) to put a checkmark (✓) next to it. Repeat this to select multiple files.

To deselect a selected file, press the FUNCTION button (or remote control FUNC button) once again.
The time that will remain on the media after the files have been written will be displayed in the upper right of the screen.

**NOTE**
- When you are selecting source files, if their size would exceed the remaining capacity of the selected media, or the number of source tracks would cause the number of files on the selected media to exceed the limit, OVER will appear and you will not be able to continue to step 10. Deselect some of the files, for example, until OVER is no longer shown.

- If you are selecting only one file or folder, there is no need to press the FUNCTION button (or remote control FUNC button). After selecting the desired file, proceed to step 10.

10 When you have selected all of the files you want to copy, press the MULTI JOG dial (or remote control ENTER button) to confirm the selections and open the **RIP TARGET SELECT** screen where you can select the copy destination.

11 Select the copy destination from the **RIP TARGET SELECT** screen.
The folders or files will be copied after the selected folder or file.

12 Press the MULTI JOG dial (or remote control ENTER button) to confirm the copy destination. A confirmation pop-up message appears.

13 Press the MULTI JOG dial (or remote control ENTER button) again to start writing to the selected device media.
   -- RIP -- and a progress bar appear in a pop-up while the files are copied.

When writing is completed, the CD menu screen will reopen.

### Copying files on a data CD

The following explains how to copy MP3 and WAV files on a data CD without changing their formats to the selected media (USB/SD/CF media).

The following procedure assumes that CD is selected as the current device and that a CD-R/CD-RW that contains the copy-source files and the copy destination media are loaded in the unit.

1 Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2 Open the CD menu.
3 Select **RIP TO MEMORY**, and press the MULTI JOG dial (or remote control ENTER button).
4 Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the device.

5 Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the copy destination device.

**NOTE**
- If the selected device media is still being read, MEDIA READ and a progress bar appear in a pop-up.
- If the selected device media is not loaded, after MEDIA READ, ERROR and the media type (CF READ, etc.) appears in a pop-up.

6 Press the MULTI JOG dial (or remote control ENTER button) to open the RIP SOURCE SELECT screen.

7 Select the file or folder to copy from the RIP SOURCE SELECT screen. If you select a folder, all the files in the folder will be copied.

To select multiple files or folders, when the desired file or folder is selected, press the FUNCTION button (or remote control FUNC button). Repeat this for every file and folder.

Checkmarks (✓) are placed next to selected files and folders. You can only select multiple files and folders if they are in the same folder.

To deselect a selected file or folder, press the FUNCTION button (or remote control FUNC button) once again.

**NOTE**
- You can select multiple files and folders only within the same folder, so once you use the FUNCTION button (or remote control FUNC button) to select the first file or folder, you will no longer be able to move to a different folder.
- If you are selecting only one file or folder, there is no need to press the FUNCTION button (or remote control FUNC button). After selecting the desired file, proceed to step 5.

8 When you have selected all of the files you want to copy, press the MULTI JOG dial (or remote control ENTER button) to confirm the selections and open the RIP TARGET SELECT screen where you can select the copy destination.

**NOTE**
If the size of the source exceeds the remaining capacity of the selected media, or the number of source tracks would cause the number of files on the selected media to exceed the limit file, a CAPACITY OVER or a TRACK OVER message pop-up will appear accordingly, and you will not be able to confirm the source selection. If this occurs, press the STOP button to close the pop-up, and deselect some source files until the total size or number is acceptable. Then, press the MULTI JOG dial (or remote control ENTER button) again.

9 Select the copy destination from the RIP TARGET SELECT screen.

The folders or files will be copied after the selected folder or file.

10 Press the MULTI JOG dial (or remote control ENTER button) to confirm the copy destination.

A confirmation pop-up message appears.

**NOTE**
If there are files with the same name, the following pop-up message will appear.

After this, the pop-up message disappears and the CD menu screen opens.

11 Press the MULTI JOG dial (or remote control ENTER button) again to start writing to the selected device media.

--- RIP --- and a progress bar appear in a pop-up while the files are copied.

When writing is completed, the CD menu screen will reopen.
Using the CD menu to work with CD-RW discs, you can erase, unfinalize and refresh (completely erase) discs as well as erase tracks. This chapter explains these CD-RW management functions.

The following explanations assume that CD is selected as the current device and that a CD-RW is loaded.

**NOTE**

You can also use the CD menu to finalize CD-R/CD-RW discs, and copy files between CDs and USB, SD and CF media. Finalizing is explained in “4 – Recording” (“Finalizing CD-R/CD-RW discs” on page 43), and copying files between CDs and USB, SD and CF media is explained in “10 – Copying files between CDs and USB, SD and CF media” (page 63).

### Unfinalizing CD-RW discs

If a finalized CD-RW disc is loaded, you can use the ERASE item to unfinalize the disc.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the CD menu.
3. Select ERASE.

4. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the Erase Media item.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select Unfinalize.
6. Press the MULTI JOG dial (or remote control ENTER button). A confirmation pop-up message appears.
7. Press the MULTI JOG dial (or remote control ENTER button) again to start unfinalizing the disc.

When unfinalizing is completed, the CD menu will reopen.

### Erasing CD-RW discs

You can completely erase an entire CD-RW disc.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the CD menu.
3. Select ERASE.
4. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the Erase Media item.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select Erase Media.
6. Press the MULTI JOG dial (or remote control ENTER button) to select button.

A confirmation pop-up message appears.

7. Press the MULTI JOG dial (or remote control ENTER button) again to start erasing the disc.

After erasing the disc completes, the CD menu will reopen.

**NOTE**

If you erase a finalized CD-RW disc, the unit will unfinalize the disc before erasing it.
Erasing tracks

You can erase tracks that have been recorded in audio CD format on a CD-RW disc. The specified track and all later tracks (until the last track on the disc) will be erased.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the CD menu.
3. Select ERASE.
4. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the Erase Track item.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select Erase Track.
6. Press the MULTI JOG dial (or remote control ENTER button) to enable selection of the first track in the range of tracks that will be erased.
7. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select the first track to erase in the range of tracks that will be erased. In the example above, track 03 is selected.
   The last track to be deleted (shown as 03 in the illustration above) is fixed as the last track of the disc and cannot be changed.
8. After you have selected the first track, press the MULTI JOG dial (or remote control ENTER button). A confirmation pop-up message appears.
9. Press the MULTI JOG dial (or remote control ENTER button) again to start erasing tracks.
   -- ERASE -- and a progress bar appear in a pop-up while tracks are being erased.

After the tracks have been erased, the CD menu will reopen.

NOTE

- When erasing tracks on a finalized CD-RW disc, the unit will unfinalize the disc before erasing the designated tracks.
- This operation can be executed only on a disc that has audio CD format files

Refreshing discs

You can refresh (completely erase) a CD-RW disc. The unit might not be able to recognize a CD-RW disc in some cases, such as if finalization was interrupted by a power failure, or if a disc has been used by a computer. In such cases, follow these procedures to refresh the CD-RW disc so that the unit can recognize it.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the CD menu.
3. Select ERASE.
4. Press the MULTI JOG dial (or remote control ENTER button) to open a pop-up window where you can select the Refresh item.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select Refresh.
6. Press the MULTI JOG dial (or remote control ENTER button).
   A confirmation pop-up message appears.
7. Press the MULTI JOG dial (or remote control ENTER button) again to start refreshing the CD-RW disc.
   -- REFRESH -- and a progress bar appear in a pop-up while the disc is being refreshed.

After the CD-RW disc gas been refreshed, the CD menu will reopen.
Footswitch control

You can operate this unit using a TASCAM RC-3F footswitch (sold separately) connected to the front panel REMOTE jack.

Setting up a footswitch

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the UTILITY menu.
3. Select RC-3F MODE.

4. Press the MULTI JOG dial or ►► (LOCK) button (or remote control ENTER or ► button) to move the cursor to the right and select the setting item.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to select one of the three pedal assignment modes.

   Options: MODE 1 (default value), MODE 2, MODE 3

6. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

   NOTE

The footswitch (RC-3F MODE) setting is retained even after the power is turned OFF.

Using the footswitch

When pushed, each of the footswitch pedals will operate according to the setting made with the RC-3F MODE item.

Footswitch mode functions

The functions of the footswitches in each mode are as follows.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>►►</td>
<td>PLAY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>►►</td>
<td>READY/STOP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>PITCH (–)</td>
<td>PLAY/PAUSE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PITCH (+)</td>
</tr>
</tbody>
</table>

MODE 1: Optimal for transcribing meetings and working with similar recordings
MODE 2: Basic transport control
MODE 3: Pitch control

Setting the digital output format

The digital output format of this unit can be set to either SPDIF or AES/EBU.

Use the menu as follows to set it.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the UTILITY menu.
3. Select DIGITAL OUT.

4. Press the MULTI JOG dial or ►► (LOCK) button (or remote control ENTER or ► button) to move the cursor to the right and select the setting item.
5. Turn the MULTI JOG dial (or press the remote control ▲ and ▼ buttons) to set the digital output format.

   Options: SPDIF (default value), AES/EBU

6. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

   NOTE

The DIGITAL OUT setting is retained even after the power is turned OFF.
Viewing information about the media

You can view information about the media in the current device.

Follow these steps using the menu to access this information.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the UTILITY menu.
3. Select INFORMATION.

4. Press the MULTI JOG dial (or remote control ENTER button) to show information about the media, including its total capacity and open capacity, in the current device.

Example when the current device is USB/SD/CF

<table>
<thead>
<tr>
<th>INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory: USB/SD/CF</td>
</tr>
<tr>
<td>Total capacity: 576 MB</td>
</tr>
<tr>
<td>Available: 190 MB</td>
</tr>
<tr>
<td>Songs: 16</td>
</tr>
<tr>
<td>Folders: 7</td>
</tr>
</tbody>
</table>

Example when the current device is CD

<table>
<thead>
<tr>
<th>INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive: CD</td>
</tr>
<tr>
<td>Capacity: 690 MB</td>
</tr>
<tr>
<td>Available: 6 MB</td>
</tr>
<tr>
<td>Songs: 5</td>
</tr>
<tr>
<td>Folders: 0</td>
</tr>
</tbody>
</table>

5. When you have finished viewing the information, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

Restoring the factory settings

You can restore all the settings that are stored in the unit's backup memory to the settings they had when shipped from the factory.

Follow these steps using the menu to restore the settings.

NOTE

The factory settings cannot be restored if media is loaded in the current device. Change the current or remove the media from it and conduct the operation again.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the UTILITY menu.
3. Select FACTORY PRESET.

4. Press the MULTI JOG dial (or remote control ENTER button).

A confirmation pop-up message appears.

5. Press the MULTI JOG dial (or remote control ENTER button) again to restore the unit settings to their factory defaults. A COMPLETE pop-up message appears briefly when resetting finishes.

6. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.
If you connect a keyboard with an IBM PC-compatible PS/2 interface or USB connector to the KEYBOARD connector or USB port, you can use it to operate this unit. Various types of control are possible, but using a keyboard is particularly efficient when inputting text.

**Setting the keyboard language**

Set the keyboard language according to the one you have connected.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the UTILITY menu.
3. Select KEYBOARD.

<table>
<thead>
<tr>
<th>MENU</th>
<th>1. MEMORY FORMAT</th>
<th>2. BRIGHTNESS</th>
<th>3. SYSTEM</th>
<th>4. CLOCK ADJUST</th>
<th>5. RS-232C</th>
<th>6. RC-3F MODE</th>
<th>NODE 1</th>
</tr>
</thead>
</table>

4. Press the MULTI JOG dial or ▶[LOCK] button (or remote control ENTER or ▶ button) to move the cursor to the right and select the setting item.
5. According to the connected keyboard type, set it to US (English-language keyboard) or JPN (Japanese-language keyboard).
   Options: US (default value), JPN
6. When you have finished making the setting, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

**NOTE**
The KEYBOARD setting is retained even after the power is turned OFF.

**Using a keyboard to input text**

You can edit or enter a folder name, track name or CD-Text just as when typing text into a computer.

To edit the name of a file or folder, from the FINDER screen open its FINDER MENU and select RENAME to open the RENAME screen.

**To select the case:**
As when using a computer, use the Shift and Caps Lock keys to change the case of characters input.

**To input text:**
Use the number, letter and symbol keys for direct input.

**To move the cursor:**
Use the ↑/↓/←/→ arrow keys.

---

**To delete a character:**
Delete key: Deletes the character at the cursor location.
Backspace key: Deletes the character to the left of the cursor location.

**To insert a character:**
Press the Insert key at the desired location.

**To edit a character:**
Move the cursor and overwrite the character.

**CAUTION**
- The following symbols and punctuation marks cannot be used in names.
  \ / ; : * , ? " < > |
- Japanese katakana cannot be input.

**Keyboard operation list**

You can use the keyboard not only to enter text, but also for other operations such as controlling the transport and editing. The functions of keys on the keyboard are listed below.

**Transport operations**

<table>
<thead>
<tr>
<th>Keyboard key(s)</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>−−−−−−−−−−−−−−−−</td>
<td>Same as the ◄◄ button</td>
</tr>
<tr>
<td>−−−−−−−−−−−−−−−−</td>
<td>Same as the ◄► button</td>
</tr>
<tr>
<td>Space bar</td>
<td>Same as the PLAY button</td>
</tr>
<tr>
<td>Space bar</td>
<td>Same as the READY button</td>
</tr>
<tr>
<td>Ctrl + S</td>
<td>Same as the STOP button</td>
</tr>
<tr>
<td>Ctrl + R</td>
<td>Same as the RECORD button</td>
</tr>
<tr>
<td>Ctrl + F</td>
<td>Same as the ◄► button</td>
</tr>
<tr>
<td>Ctrl + B</td>
<td>Same as the ◄◄ button</td>
</tr>
<tr>
<td>↑/↓</td>
<td>Same as the ◄◄ button</td>
</tr>
</tbody>
</table>

---

**13 – Operation using a computer keyboard**
13 – Operation using a computer keyboard

### MENU and FUNCTION screen operations

<table>
<thead>
<tr>
<th>Keyboard key(s)</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Esc</td>
<td>Cancel editing or title editing and return to the Home Screen</td>
</tr>
<tr>
<td>F1</td>
<td>Opens the FUNCTION screen</td>
</tr>
<tr>
<td>F2</td>
<td>Opens the MENU screen</td>
</tr>
<tr>
<td>F3</td>
<td>Opens the EDIT screen</td>
</tr>
<tr>
<td>F4</td>
<td>Opens the FINDER screen</td>
</tr>
<tr>
<td>F5</td>
<td>Turns repeat ON/OFF</td>
</tr>
<tr>
<td>F6</td>
<td>Turns A-B repeat ON/OFF</td>
</tr>
<tr>
<td>F7</td>
<td>Turns pitch control function ON/OFF</td>
</tr>
<tr>
<td>F8</td>
<td>Turns key control function ON/OFF</td>
</tr>
<tr>
<td>F9</td>
<td>Turns auto cue function ON/OFF</td>
</tr>
<tr>
<td>F10</td>
<td>Turns auto ready function ON/OFF</td>
</tr>
<tr>
<td>F11</td>
<td>Turns incremental playback function ON/OFF</td>
</tr>
<tr>
<td>F12</td>
<td>Same as the remote control FLASH LOAD button</td>
</tr>
<tr>
<td>Shift + F5</td>
<td>Set the file type</td>
</tr>
<tr>
<td>Shift + F6</td>
<td>Set the sampling frequency</td>
</tr>
<tr>
<td>Shift + F7</td>
<td>Set the bit rate</td>
</tr>
<tr>
<td>Shift + F8</td>
<td>Set the auto-recording function</td>
</tr>
<tr>
<td>Shift + F9</td>
<td>Set the sync recording function</td>
</tr>
<tr>
<td>Shift + F10</td>
<td>Set the sampling rate converter</td>
</tr>
<tr>
<td>Shift + F11</td>
<td>Set the compressor</td>
</tr>
</tbody>
</table>

### Keyboard key(s)

<table>
<thead>
<tr>
<th>Keyboard key(s)</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ctrl + F1</td>
<td>After completing flash loading, start flash start playback of track 1</td>
</tr>
<tr>
<td>Ctrl + F2</td>
<td>After completing flash loading, start flash start playback of track 2</td>
</tr>
<tr>
<td>Ctrl + F3</td>
<td>After completing flash loading, start flash start playback of track 3</td>
</tr>
<tr>
<td>Ctrl + F4</td>
<td>After completing flash loading, start flash start playback of track 4</td>
</tr>
<tr>
<td>Ctrl + F5</td>
<td>After completing flash loading, start flash start playback of track 5</td>
</tr>
<tr>
<td>Ctrl + F6</td>
<td>After completing flash loading, start flash start playback of track 6</td>
</tr>
<tr>
<td>Ctrl + F7</td>
<td>After completing flash loading, start flash start playback of track 7</td>
</tr>
<tr>
<td>Ctrl + F8</td>
<td>After completing flash loading, start flash start playback of track 8</td>
</tr>
<tr>
<td>Ctrl + F9</td>
<td>After completing flash loading, start flash start playback of track 9</td>
</tr>
<tr>
<td>Ctrl + F10</td>
<td>After completing flash loading, start flash start playback of track 10</td>
</tr>
<tr>
<td>Ctrl + F11</td>
<td>After completing flash loading, start flash start playback of track 11</td>
</tr>
<tr>
<td>Ctrl + F12</td>
<td>After completing flash loading, start flash start playback of track 12</td>
</tr>
<tr>
<td>Ctrl + E*</td>
<td>Same as the EJECT button</td>
</tr>
<tr>
<td>Ctrl + I</td>
<td>Select the input source</td>
</tr>
<tr>
<td>Ctrl + J</td>
<td>Turn jog playback mode ON</td>
</tr>
<tr>
<td>Ctrl + K</td>
<td>Set the skip time</td>
</tr>
<tr>
<td>Ctrl + L</td>
<td>Turns panel lock function ON/OFF</td>
</tr>
<tr>
<td>Ctrl + C</td>
<td>Turn the call function ON</td>
</tr>
<tr>
<td>Tab</td>
<td>Same as the front panel DEVICE and remote control DEVICE SELECT button</td>
</tr>
<tr>
<td>Caps Lock</td>
<td>Enable/disable capital letters</td>
</tr>
<tr>
<td>Back Space</td>
<td>Erase the character to the left of the cursor</td>
</tr>
</tbody>
</table>

### Ctrl + E

- Ctrl + E only works with the SS-CDR200

### NOTE

To use the keyboard to edit, press the desired editing key when the FINDER screen is open.

Example of keyboard use

This example shows how to delete an item.

1. Press the F4 key to open the FINDER screen.
2. Use the ↑/↓/←/→ keys to select the file or folder you want to delete.
3. Press the F3 key to open the EDIT screen.
4. Use the ↑/↓ keys to select DELETE.
5. Press the Enter key to open an “EXECUTE?” confirmation pop-up.
6. Press the Enter again to confirm and execute the operation.
Using the RS-232C connector

Using the 9-pin, D-sub CONTROL I/O RS-232C connector, which is compliant with RS-232C standards, you can control the unit via this serial connection from a computer or other external device.

Use the menu to make settings related to communication.

1. Press the MENU [JOG] button (or remote control MENU button) to open the MENU screen.
2. Open the UTILITY menu.
3. Select RS-232C.

![](image)

4. Press the MULTI JOG dial or [LOCK] button (or remote control ENTER or button) to open the RS-232C setting screen.

![](image)

5. Set the items on the RS-232C screen.

   **BAUD RATE**
   Set the baud rate (communication speed).
   Options: 4800 bps, 9600 bps, 19200 bps (default value), 38400 bps

   **PARITY BIT**
   Set the parity bit use.
   Options: NON (none, default value), EVEN, ODD

   **STOP BIT**
   Set the stop bit.
   Options: 1 (default value), 2

   **DATA LENGTH**
   Set the data length.
   Options: 7, 8 (default value)

6. After setting each item, press the HOME/DISPLAY button (or remote control HOME/DISP button) to return to the Home Screen.

**NOTE**

- RS-232C settings are retained even after the power is turned OFF.
- For details on the unit’s RS-232C command protocol, please contact TASCAM customer support.

Using the parallel connector

Using the CONTROL I/O PARALLEL connector, you can control this unit through serial connection with a TASCAM RC-SS20 or other external controller. The pin assignments are as follows.

<table>
<thead>
<tr>
<th>Pin</th>
<th>Function</th>
<th>IN/OUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GND</td>
<td>—</td>
</tr>
<tr>
<td>2</td>
<td>PLAY/Flash 1</td>
<td>In</td>
</tr>
<tr>
<td>3</td>
<td>STOP/Flash 2</td>
<td>In</td>
</tr>
<tr>
<td>4</td>
<td>RECORD/Flash 3</td>
<td>In</td>
</tr>
<tr>
<td>5</td>
<td>(Next)/Flash 4</td>
<td>In</td>
</tr>
<tr>
<td>6</td>
<td>(Previous)/Flash 5</td>
<td>In</td>
</tr>
<tr>
<td>7</td>
<td>Flash Load</td>
<td>In</td>
</tr>
<tr>
<td>8</td>
<td>Fader Start</td>
<td>In</td>
</tr>
<tr>
<td>9</td>
<td>Flash Tally</td>
<td>Out</td>
</tr>
<tr>
<td>10</td>
<td>Ready Tally</td>
<td>Out</td>
</tr>
<tr>
<td>11</td>
<td>Record Tally</td>
<td>Out</td>
</tr>
<tr>
<td>12</td>
<td>Stop Tally</td>
<td>Out</td>
</tr>
<tr>
<td>13</td>
<td>Play Tally</td>
<td>Out</td>
</tr>
<tr>
<td>14</td>
<td>Remote Select*2</td>
<td>In</td>
</tr>
<tr>
<td>15</td>
<td>Ready/Flash 6</td>
<td>In</td>
</tr>
<tr>
<td>16</td>
<td>Call/Flash 7</td>
<td>In</td>
</tr>
<tr>
<td>17</td>
<td>Auto Cue/Flash 8</td>
<td>In</td>
</tr>
<tr>
<td>18</td>
<td>Auto Ready/Flash 9</td>
<td>In</td>
</tr>
<tr>
<td>19</td>
<td>Pitch/Flash 10</td>
<td>In</td>
</tr>
<tr>
<td>20</td>
<td>Flash Page*3</td>
<td>In</td>
</tr>
<tr>
<td>21</td>
<td>EOM Tally</td>
<td>Out</td>
</tr>
<tr>
<td>22</td>
<td>Device Select Tally 1*4</td>
<td>Out</td>
</tr>
<tr>
<td>23</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>24</td>
<td>Device Select Tally 2*4</td>
<td>Out</td>
</tr>
<tr>
<td>25</td>
<td>+5V*1</td>
<td>—</td>
</tr>
</tbody>
</table>

*1 Maximum supplied current 100 mA.
*2 Pin 14 (Remote Select)
   When set to high, input pins with two functions shown above with a ‘/’ (pins 2–6 and 15–19) use the first function, and can be used for ordinary parallel control.
   When set to low, these input pins function as flash start keys.

*3 Pin 20 (Flash Page)
   When pin 14 (Remote Select) is set to low, the high/low setting of pin 20 determines the track assignments.

<table>
<thead>
<tr>
<th>#14</th>
<th>#20</th>
<th>Flash start tracks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>High</td>
<td>1–10</td>
</tr>
<tr>
<td>Low</td>
<td>Low</td>
<td>11–20</td>
</tr>
</tbody>
</table>
The following is an example of connecting for playback control of this unit using fader start/stop

*4 Pin 22/24 (Device Select Tally 1/2)
Depending on the high/low settings of pins 22 and 24, the device assignment will be as follows.

<table>
<thead>
<tr>
<th>#22</th>
<th>#24</th>
<th>Device assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>Low</td>
<td>USB</td>
</tr>
<tr>
<td>High</td>
<td>High</td>
<td>SD</td>
</tr>
<tr>
<td>High</td>
<td>Low</td>
<td>CF</td>
</tr>
<tr>
<td>Low</td>
<td>High</td>
<td>CD</td>
</tr>
</tbody>
</table>
# Error messages

If one of the following error messages appears in a pop-up, press the **MULTI JOG** dial (or remote control **ENTER** button) to close the message. Then, resolve the issue. If you are still unable correct the problem, please contact the nearest TASCAM service center.

<table>
<thead>
<tr>
<th>1st line</th>
<th>2nd line</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 − error − DECODE</td>
<td>Failed to play MP3/WAV file.</td>
<td></td>
</tr>
<tr>
<td>2 − error − REC STAND BY</td>
<td>Failed to prepare to begin recording.</td>
<td></td>
</tr>
<tr>
<td>3 − error − CAPACITY</td>
<td>Recording stopped because of insufficient storage area on the media.</td>
<td></td>
</tr>
<tr>
<td>4 − error − RECORD</td>
<td>Error occurred while recording.</td>
<td></td>
</tr>
<tr>
<td>5 − error − INFO WRITING</td>
<td>An error occurred while writing data.</td>
<td></td>
</tr>
<tr>
<td>6 − error − OVER FLOW</td>
<td>Recording buffer was insufficient while recording an MP3/WAV track.</td>
<td></td>
</tr>
<tr>
<td>7 − error − Not Match DMA</td>
<td>Cannot record because the media does not meet the system requirements.</td>
<td></td>
</tr>
<tr>
<td>8 − error − FLASH LOAD</td>
<td>Error occurred while loading flash start data.</td>
<td></td>
</tr>
<tr>
<td>9 − error − DIN UNLOCK</td>
<td>Digital input is not locked.</td>
<td></td>
</tr>
<tr>
<td>10 − error − DIN NotAudio</td>
<td>The input digital data is not audio.</td>
<td></td>
</tr>
<tr>
<td>11 − error − FS UNMATCH</td>
<td>The sampling rate of the digital signal being input differs from the currently selected sampling rate.</td>
<td></td>
</tr>
<tr>
<td>12 − error − EJECT</td>
<td>Failed to eject the CD (SS-CDR200 only)</td>
<td></td>
</tr>
<tr>
<td>13 − error − MIX DISC</td>
<td>The disc has both MP3/WAV format files and audio CD format files mixed on it. (SS-CDR200 only)</td>
<td></td>
</tr>
<tr>
<td>14 − error − MEMORY READ</td>
<td>Burn/Rip cannot be executed because media is not loaded in the selected device. (SS-CDR200 only)</td>
<td></td>
</tr>
<tr>
<td>15 − error − TRACK</td>
<td>Playback is not possible because the file on the CD is in an unplayable format. (SS-CDR200 only)</td>
<td></td>
</tr>
</tbody>
</table>

# Warning messages

When an operation cannot be conducted, one of the following pop-up warning messages will appear on the display. After appearing for about two seconds, warning messages automatically disappear.

<table>
<thead>
<tr>
<th>1st line</th>
<th>2nd line</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 − caution − CAN'T UNDO</td>
<td>Undo is not possible because no undoable edit exists.</td>
<td></td>
</tr>
<tr>
<td>2 − caution − MEDIA FULL</td>
<td>Recording is not possible because the media does not have enough open space.</td>
<td></td>
</tr>
<tr>
<td>3 − caution − TRACK FULL</td>
<td>Recording is not possible because the maximum number of tracks has been reached.</td>
<td></td>
</tr>
<tr>
<td>4 − caution − NoCallPoint</td>
<td>There is no call point.</td>
<td></td>
</tr>
<tr>
<td>5 − caution − CAN'T REC</td>
<td>Recording is not possible due to system limitations.</td>
<td></td>
</tr>
<tr>
<td>6 − caution − WriteProtect</td>
<td>The media is write-protected.</td>
<td></td>
</tr>
<tr>
<td>7 − caution − NOT EXECUTE</td>
<td>Failed to execute the editing operation.</td>
<td></td>
</tr>
<tr>
<td>8 − caution − CAN'T EDIT</td>
<td>Editing was not possible due to system limitations.</td>
<td></td>
</tr>
<tr>
<td>9 − caution − CAN'T SELECT</td>
<td>Selection/execution was not possible due to system limitations.</td>
<td></td>
</tr>
<tr>
<td>10 − caution − TRK PROTECT</td>
<td>Editing was not possible because the track was protected.</td>
<td></td>
</tr>
<tr>
<td>11 − caution − NAME FULL</td>
<td>The maximum number of characters for the name (text field) has been reached.</td>
<td></td>
</tr>
<tr>
<td>12 − caution − PROGRAM FULL</td>
<td>The track cannot be added because the maximum number of tracks in a program has been reached.</td>
<td></td>
</tr>
<tr>
<td>13 − caution − PGM EMPTY</td>
<td>Playback is not possible because no tracks have been added to the program.</td>
<td></td>
</tr>
<tr>
<td>14 − caution − NoSearchTime</td>
<td>Searching was not possible because the specified search time (search track) does not exist.</td>
<td></td>
</tr>
<tr>
<td>15 − caution − UnmatchMedia</td>
<td>Recording is not possible because the media does not meet the system requirements.</td>
<td></td>
</tr>
<tr>
<td>16 − caution − Dif Playlist</td>
<td>There is a discrepancy between the specified playlist and the media information.</td>
<td></td>
</tr>
<tr>
<td>17 − caution − P.LIST FULL</td>
<td>The track cannot be added because the maximum number of tracks in a playlist has been reached.</td>
<td></td>
</tr>
<tr>
<td>18 − caution − P.LIST EMPTY</td>
<td>Playback is not possible because no tracks have been added to the playlist.</td>
<td></td>
</tr>
<tr>
<td>19 − caution − P.LIST ENTRY</td>
<td>You tried to edit a track that is in a playlist.</td>
<td></td>
</tr>
</tbody>
</table>
## Operation messages

As necessary, the following messages will appear in the time display area.

<table>
<thead>
<tr>
<th>1st line</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER ON</strong></td>
<td>The system is starting up and initializing.</td>
</tr>
<tr>
<td><strong>DEVICE ERROR</strong></td>
<td>The device cannot be detected. Please contact TASCAM customer support.</td>
</tr>
<tr>
<td><strong>NO MEDIA</strong></td>
<td>Media is not loaded in the current device.</td>
</tr>
<tr>
<td><strong>MONITOR</strong></td>
<td>Now monitoring inputs.</td>
</tr>
<tr>
<td><strong>MEDIA READING</strong></td>
<td>Now reading from media.</td>
</tr>
<tr>
<td><strong>MEDIA ERROR</strong></td>
<td>Failed to read media.</td>
</tr>
<tr>
<td><strong>UNKNOWN</strong></td>
<td>The media is in a format other than FAT. Format the media with the unit in order to use them together.</td>
</tr>
<tr>
<td><strong>INITIALIZING MEDIA</strong></td>
<td>Creating data in order to use this media with the unit.</td>
</tr>
<tr>
<td><strong>RECORD STAND BY</strong></td>
<td>Now in recording standby.</td>
</tr>
<tr>
<td><strong>INFORMATION WRITING</strong></td>
<td>Now writing recording information.</td>
</tr>
<tr>
<td><strong>FLASH LOADING</strong></td>
<td>Now loading flash-start data.</td>
</tr>
<tr>
<td><strong>Fs CHANGING</strong></td>
<td>The system's sampling frequency is being changed to match that of the current track.</td>
</tr>
</tbody>
</table>
If the unit is not functioning properly, please check the following items before calling for service. If you are still unable to resolve the problem please contact the retailer where you purchased the unit or TASCAM customer support.

- **Power does not turn on**
  Confirm that the power plug is inserted completely.

- **Media is not detected**
  - Confirm that the USB/SD/CF media is inserted completely.
  - Stop playback or recording once.

- **Unit cannot be controlled from the front panel**
  Confirm that the panel lock function is not on.

- **Unable to playback a file**
  If it is a WAV file, confirm that it uses a sampling frequency (44.1 kHz or 48 kHz) and a bit rate (16/24-bit) that are supported by this unit. If it is an MP3 file, confirm that it uses a bit rate that is supported by this unit.

- **No sound**
  Confirm the connections with the monitoring system and check the volume of the amplifier.

- **Unable to record**
  - Confirm the connections.
  - Adjust the recording level.
  - If the media does not have enough open space, erase unneeded data to make more space or change the media.
  - If the folder already contains a large number of entries (the total number of files, folders and other items), change the recording folder.

- **Changed settings are not saved**
  This unit backs-up settings whenever you change them. This backup could fail if you turn OFF the power while this data is being written, so do not turn OFF the power immediately after changing a setting.

- **I hear noise**
  Check if any connecting cable might have a bad connection.

- **When editing text, “Name Full” appears**
  Due to limitations of the system, a maximum of 255 characters (single-byte) can be used for items such as file and folder names. Since this limitation applies to the full path in the FINDER screen, the maximum name length for items inside a folder are reduced by the number of characters used by all the folders above it and any separator characters.
Media and file formats

Recording media
USB memory (512MB – 64GB)
SD card (512MB – 2GB)
SDHC card (4GB – 32GB)
CF card (512MB – 64GB, Type I only)
CD-R, CD-R-DA, CD-RW, CD-RW-DA (5-inch, 3-inch, High Speed CD-RW supported) (CDR200 model only)

Recording and playback file formats
MP3: 44.1/48kHz, 64/128/192/256/320kbps
WAV: 44.1/48kHz, 16/24-bit (24-bit playback only)
CD-DA: 44.1kHz, 16-bit

Number of channels
2-channel (stereo)
1-channel (mono)

Inputs and outputs

Analog audio inputs and outputs

ANALOG INPUTS (BALANCED)*
(SS-CDR200/SS-R200 only)
Connector: XLR-3-31 (1: GND, 2: HOT, 3: COLD)
Input impedance: 22 kΩ
Nominal input level: +4 dBu (1.23 Vrms)
Maximum input level: +20 dBu (7.75 Vrms)
Minimum input level: −6 dBu (0.39 Vrms) or more (minimum input level adjustable to nominal level)

ANALOG INPUTS (UNBALANCED)
Connector: RCA pin jack
Input impedance: 22 kΩ
Nominal input level: −10 dBV (0.316 Vrms)
Maximum input level: +6 dBV (2.0 Vrms)
Minimum input level: −20 dBV (0.1 Vrms) or more (minimum input level adjustable to nominal level)

ANALOG OUTPUTS (BALANCED)*
(SS-CDR200/SS-R200 only)
Connector: XLR-3-32 (1: GND, 2: HOT, 3: COLD)
Output impedance: 100 Ω
Nominal output level: +4 dBu (1.23 Vrms)
Maximum output level: +20 dBu (7.75 Vrms)

ANALOG OUTPUTS (UNBALANCED)
Connector: RCA pin jack
Output impedance: 200 Ω
Nominal output level: −10 dBV (0.316 Vrms)
Maximum output level: +6 dBV (2.0 Vrms)

*If you want to change the maximum balanced input and output levels, please contact TASCAM customer support.

Digital audio inputs and outputs

DIGITAL IN JACK
Connector: RCA pin jack
Formats: IEC60958-3 (S/PDIF) and AES3-2003/IEC60958-4 (AES/EBU) detected automatically (AES3-2003/IEC60958-4 (AES/EBU) is a data format only; the physical format conforms to IEC60958-3 (S/PDIF))
Supported input sampling frequencies: 32–48 kHz

DIGITAL OUT JACK
Connector: RCA pin jack
Formats: IEC60958-3 (S/PDIF) and AES3-2003/IEC60958-4 (AES/EBU) switchable (AES3-2003/IEC60958-4 (AES/EBU) is a data format only; the physical format conforms to IEC60958-3 (S/PDIF))

Control inputs and outputs

REMOTE JACK (for RC-3F and RC-20)
Connector: 2.5mm TRS jack
USB PORT
Connector: USB A-type 4-pin
Protocol: USB 2.0 HIGH SPEED (480 Mbps)
KEYBOARD
Connector: mini-DIN connector (PS/2)
REMOTE IN (RC-SS2)
Connector: 3.5mm TRS jack
RS-232C CONNECTOR (SS-CDR200/SS-R200 only)
Connector: 9-pin D-sub
CONTROL I/O PARALLEL (SS-CDR200/SS-R200 only)
Connector: D-sub 25-pin
Maximum input voltage: +5.5 V
High level minimum input voltage: +3.75 V
Low level maximum input voltage: +1.25 V
Output format: open drain (withstand voltage 50 V, maximum 50 mA)
Low level maximum output voltage: 0.5 V
+5V power maximum supplied current: 100 mA

Audio performance

Frequency response
20 Hz – 20 kHz: ±0.5 dB
Distortion
0.005% or less
S/N ratio
95 dB or more
Dynamic range
95 dB
Channel crosstalk
95 dB
Note: all ratings are for performance when recording according to JEITA CP-2150 standards

Backup memory

The following settings are backed up even when the power is turned off.
- Pitch control ON/OFF
- Pitch step setting
- Key control ON/OFF
- Menu settings
  (Playback area, playback mode, repeat playback setting, auto cue, auto ready, incremental playback, mono playback, EOM function, resume playback, power on playback, link playback, input source, input volume, recording file format, sync recording, auto track increment, pause mode, sampling rate converter, recording file name, compressor, dither, display and indicator brightness, keyboard type, RS-232C, footswitch, digital output)

General

Power
AC 100–240 V, 50–60 Hz

Power consumption

<table>
<thead>
<tr>
<th></th>
<th>SS-CDR200</th>
<th>SS-R200/SS-R100</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 V: 20 W</td>
<td>110–240 V: 23 W</td>
<td></td>
</tr>
<tr>
<td>100 V: 16 W</td>
<td>110–240 V: 20 W</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions (width × height × depth)
482.6 × 44.5 × 301 mm/19 x 1.75 x 11.85 in.

Weight

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SS-CDR200</td>
<td>3.7 kg/8.16 lbs</td>
</tr>
<tr>
<td>SS-R100/R200</td>
<td>3.4 kg/7.50 lbs</td>
</tr>
</tbody>
</table>

Operating temperature range
5–35º C/41–95ºF
17 – Specifications

Dimensional drawings

- Illustrations in this manual might differ in part from actual products.
- In order to improve the products, specifications and appearance could be changed without prior notice.
TEAC CORPORATION
Phone: +81-42-356-9143
1-47 Ochiai, Tama-shi, Tokyo 206-8530 Japan

TEAC AMERICA, INC.
Phone: +1-323-726-0303
1834 Gage Road, Montebello, California 90640 USA

TEAC MEXICO, S.A. de C.V.
Phone: +52-55-5010-6000
Río Churubusco 364, Colonia Del Carmen, Delegación Coyoacán, CP 04100, México DF, México

TEAC UK LIMITED
Phone: +44-8451-302511
Meridien House, Ground Floor,69 - 71, Clarendon Road, Watford, Hertfordshire, WD17 1DS, UK

TEAC EUROPE GmbH
Phone: +49-611-71580
Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany

TEAC SALES & TRADING(SHENZHEN) CO., LTD
Phone: +86-755-88311561~2
Room 817, Block A, Hailrun Complex, 6021 Shennan Blvd., Futian District, Shenzhen 518040, China

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