

TASCAM

D01332620B

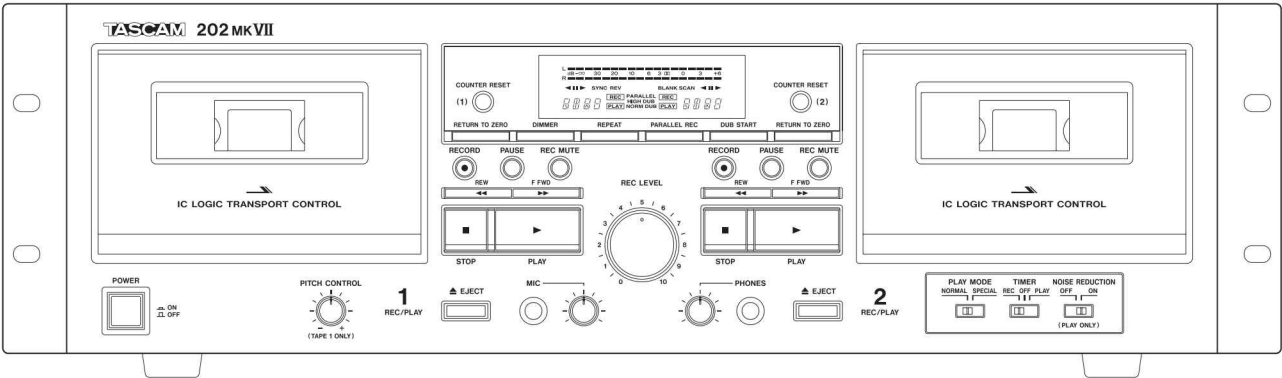
202MKVII

Double Cassette Deck

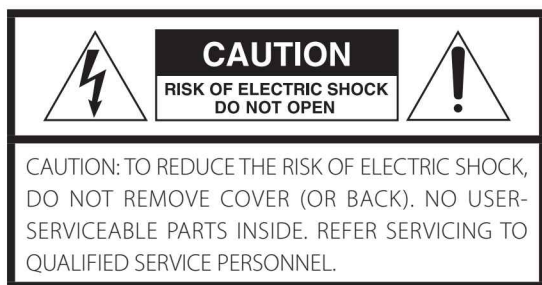
OWNER'S MANUAL ENGLISH

MODE D'EMPLOI FRANÇAIS

MANUAL DEL USUARIO ESPAÑOL



IMPORTANT SAFETY INSTRUCTIONS



The lightning flash with arrowhead symbol, within an 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.

CAUTION

- DO NOT REMOVE THE EXTERNAL CASES OR CABINETS TO EXPOSE THE ELECTRONICS. NO USER SERVICEABLE PARTS ARE INSIDE.
- IF YOU ARE EXPERIENCING PROBLEMS WITH THIS PRODUCT, CONTACT THE STORE WHERE YOU PURCHASED THE UNIT FOR A SERVICE REFERRAL. DO NOT USE THE PRODUCT UNTIL IT HAS BEEN REPAIRED.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

IN USA/CANADA, USE ONLY ON 120 V 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.

- The apparatus draws nominal non-operating power from the AC outlet with its POWER or STANDBY/ON switch not in the ON position.
- The mains plug is used as the disconnect device; the disconnect device shall remain readily operable.
- 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.

CAUTION

- 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 should be located close enough to the AC outlet so that you can easily reach the power cord plug at any time.
- 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.

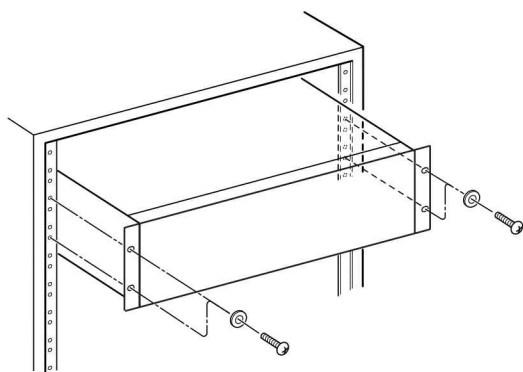
Precautions concerning batteries

Misuse of batteries could cause them to rupture or leak leading to fire, injury or the staining of nearby things. Please read and observe the following precautions carefully.

- Be sure to insert the batteries with correct positive (⊕) and negative (⊖) orientations.
- Use batteries of the same type. Never use different types of batteries together.
- If the remote control is not used for a long time (more than a month), remove the batteries to prevent them from leaking.
- If the batteries leak, wipe away the leakage inside the battery compartment and replace the batteries with new ones.
- Do not use batteries of types other than those specified. Do not mix new batteries with old ones or use different types of batteries together.
- Do not heat or disassemble batteries. Never throw batteries into fire or water.
- Do not carry or store batteries with other metallic objects. The batteries could short circuit, leak or explode.
- Never recharge a battery unless it is confirmed to be a rechargeable type.

RACK-MOUNTING THE UNIT

Use the supplied rackmount screw kit to mount the unit in a standard 19-inch rack, as shown in the illustration below. Remove the feet of the unit before mounting.



ATTENTION

- Leave 1U of space above the unit for ventilation.
- Allow at least 10 cm (4 in) at the rear of the unit for ventilation.

Declaration of Conformity

Responsible party:

TEAC AMERICA, INC.

Address: 1834 Gage Road, Montebello, California, U.S.A.

Telephone number : 1-323-726-0303

This device complies with Part.15 of FCC Rules.

Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference
- 2) This device must accept any interference received, including interference that may cause undesired operation.



Model for USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the equipment and/or the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Model for Canada

Industry Canada's Compliance Statement:

This Class B digital apparatus complies with Canadian ICES-003.

Model for Europe



This product complies with the European Directives request, and the other Commission Regulations.

CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For European Customers

Disposal of electrical and electronic equipment and batteries and/or accumulators

- a) All electrical/electronic equipment and waste batteries/accumulators 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/electronic equipment and waste batteries/accumulators 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/electronic equipment and batteries/accumulators 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) symbols, which show wheeled bins that have been crossed out, indicate that electrical/electronic equipment and batteries/accumulators must be collected and disposed of separately from household waste.

If a battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) as defined in the Battery Directive (2006/66/EC), then the chemical symbols for those elements will be indicated beneath the WEEE symbol.

Pb, Hg, Cd
- e) Return and collection systems are available to end users. For more detailed information about the disposal of old electrical/electronic equipment and waste batteries/accumulators, please contact your city office, waste disposal service or the shop where you purchased the equipment.

Trademarks and copyrights

TASCAM is a trademark of TEAC Corporation, registered in the U.S. and other countries.

Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Apple, Mac, OS X and macOS are trademarks of Apple Inc., registered in the U.S. and other countries.

Other company names and product names in this document are the trademarks or registered trademarks of their respective owners.

Information is given about products in this manual only for the purpose of example and does not indicate any guarantees against infringements of third-party intellectual property rights and other rights related to them.

TEAC Corporation will bear no responsibility for infringements on third-party intellectual property rights or their occurrence because of the use of these products.

With the exception of personal enjoyment and similar uses, copyrighted materials belonging to third parties cannot be used without permission from the rights holders in accordance with copyright law. Please use the equipment appropriately. TEAC Corporation will bear no responsibility for rights infringements committed by users of this product.

Contents

Thank you for choosing TASCAM.

Read this manual carefully to get the best performance from this unit.

After reading it, keep it in a safe place for future reference.

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Using the TEAC Global Site

You can download updates for this unit from the TEAC Global Site:

<http://teac-global.com/>

In the TASCAM Downloads section, select the desired language to open the Downloads website page for that language.

Product registration

Customers in the USA, please visit the following TASCAM website to register your TASCAM product online.

<http://tascam.com/>

About TASCAM customer support service

TASCAM products are supported and warranted only in their country/region of purchase.

To receive support after purchase, on the TASCAM Distributors list page of the TEAC Global Site (**<http://teac-global.com/>**), search for the local company or representative for the region where you purchased the product and contact that organization.

When making inquiries, the address (URL) of the shop or web shop where it was purchased and the purchase date are required. Moreover, the warranty card and proof of purchase might also be necessary.

Capabilities of this unit

Cassette tape playback

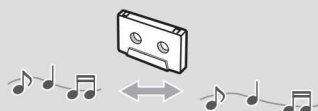
Listening to cassette tapes

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Adjusting the pitch when listening

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Moving to counter (0000) locations when listening

→ page 17

Listening to a set interval repeatedly (repeat playback)

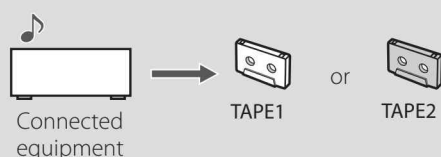
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Cassette tape recording

Recording from line inputs to a cassette tape (TAPE 1 or TAPE 2)

→ page 18



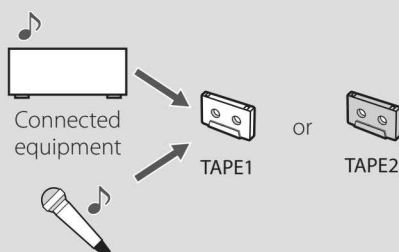
Recording from a cassette tape to a computer

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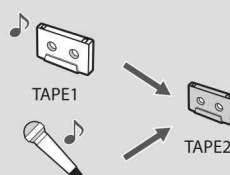
Mixing line input sounds when recording

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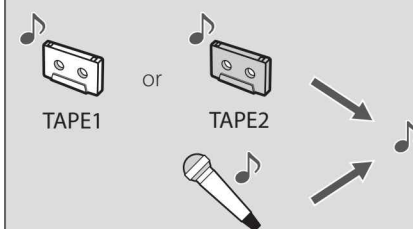
Mixing tape playback when recording

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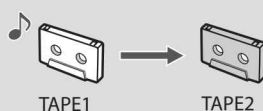
Enjoying karaoke with tape playback

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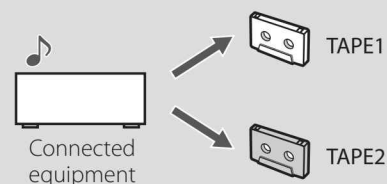
Dubbing from TAPE 1 to TAPE 2

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Recording line inputs to 2 cassette tapes simultaneously (parallel recording)

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Timer operation

Requires a commercially-available timer

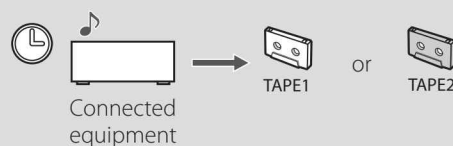
Timer-controlled playback

→ page 26



Timer-controlled recording

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Before use

Included items

Check to be sure the box contains all the included items shown below. Please contact the store where you purchased this unit if any of these items are missing or have been damaged during transportation.

Remote control (RC-1331) × 1



Batteries for remote control (AA) × 2



Rackmount screw kit × 1

Owner's manual
(this document, including warranty) × 1

- Keep this manual in a safe place for future reference.
- Please see the end of the manual for information about the warranty.

Precautions for placement and use

- The operating temperature range of this unit is 5–35 °C.
- Do not install this unit in the following types of locations. Doing so could make the sound quality worse or cause malfunction.
 - Places with significant vibrations
 - 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
- To enable good heat dissipation, do not place anything on top of the unit.
- Do not place this unit on top of a power amplifier or other device that generates heat.
- The voltage supplied to the unit should match the voltage that is printed on the rear panel. If you are in any doubt regarding this matter, consult an electrician.
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the unit, contact your dealer or service company.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank on the cord.



ATTENTION

Do not turn the unit off or disconnect the power cord during operation, including playback and recording. Doing so could cause the tape to become stuck, for example.

Beware of condensation

Condensation could occur if the unit is moved from a cold place to a warm place, it is used immediately after a cold room has been heated or it is otherwise exposed to a sudden temperature change. To prevent this, or if this occurs, let the unit sit for one or two hours at the new room temperature before using it.

Before use (continued)

Maintenance

Wipe dirt from the top cover and other panel surfaces using a soft cloth that has been slightly dampened with a diluted neutral cleanser.

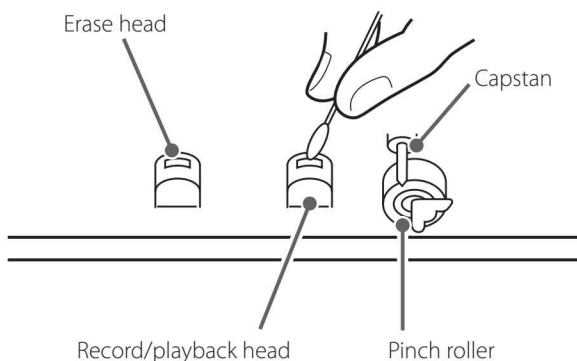
Do not wipe with chemical cleaning cloths, thinner or other chemical agents. Doing so could damage the surface.



For your safety, disconnect the power cord from the outlet before cleaning.

Cleaning the cassette decks

If a head becomes dirty, the recording and playback sound quality will become worse and cause skipping. Dirt on the tape tracking roller could also cause the tape to become caught, for example. Clean the head, pinch roller, and capstan with a cotton applicator dampened with a commercially-available cleaning solution about every ten hours of use.



- Do not put a cassette tape in the cassette holder of the unit until the cleaning solution on the head dries.

Cassette tapes

Cassette tapes that can be used with this unit

Types of cassette tapes that can be played by this unit

Normal (type I), Chrome (type II), Metal (type IV)

Types of cassette tapes that can be used for recording by this unit

Normal (type I), Chrome (type II)

- TAPE 1 and TAPE 2 in this unit detect tape types separately, so different types of tapes can be used at the same time.

Precautions for use

- Do not open a cassette or pull out the tape.
- Do not touch the tape surface.

Storage precautions

- Keep cassette tapes away from magnets or magnetized items because they may cause noise or erase recorded contents.
- Do not leave cassette tapes in a dusty place.
- Do not store cassette tapes in areas with high temperatures and humidity.

Types of cassette tapes that should be avoided

The following types of cassette tapes might prevent the unit from operating or functioning normally. These types of cassette tapes could cause tape to become caught and other unexpected problems.

Deformed cassette tapes

Do not use a deformed cassette or one that has unstable tape movement or makes a strange sound during fast-forward or rewind.

Long play tapes

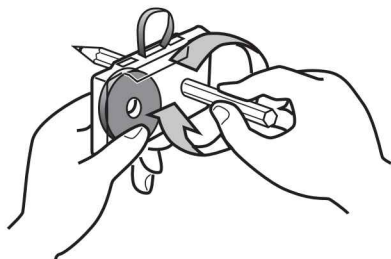
Tapes that allow recording for 90 minutes or longer sometimes get caught by the capstan because they are extremely thin and stretch easily. Do not use them in this unit. In the worst case, the cassette tape could become stuck in the unit.

Endless cassette tapes

Never use this type of cassette because its tape could become caught. In the worst case, the cassette tape could become stuck in the unit.

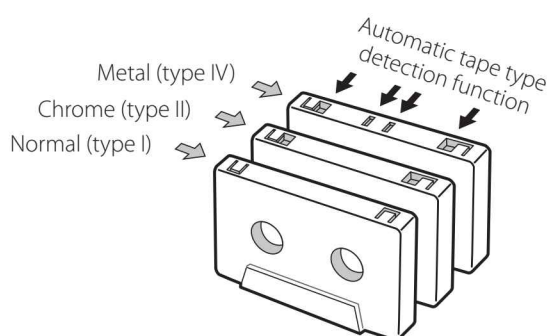
Tape slackening

Confirm that the tape in the cassette is not slack before use. Slack can cause the tape to get tangled in the capstan or other rotating parts. To prevent this, take up all tape slack using a pencil or the like inserted into the reel hole.



Automatic tape type detection function

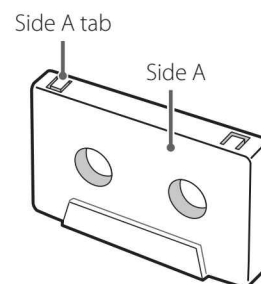
This cassette deck can detect what type of tape is being used based on the detection holes in the cassette shell. Be sure to use cassettes with detection holes.



Accidental erasure prevention tabs

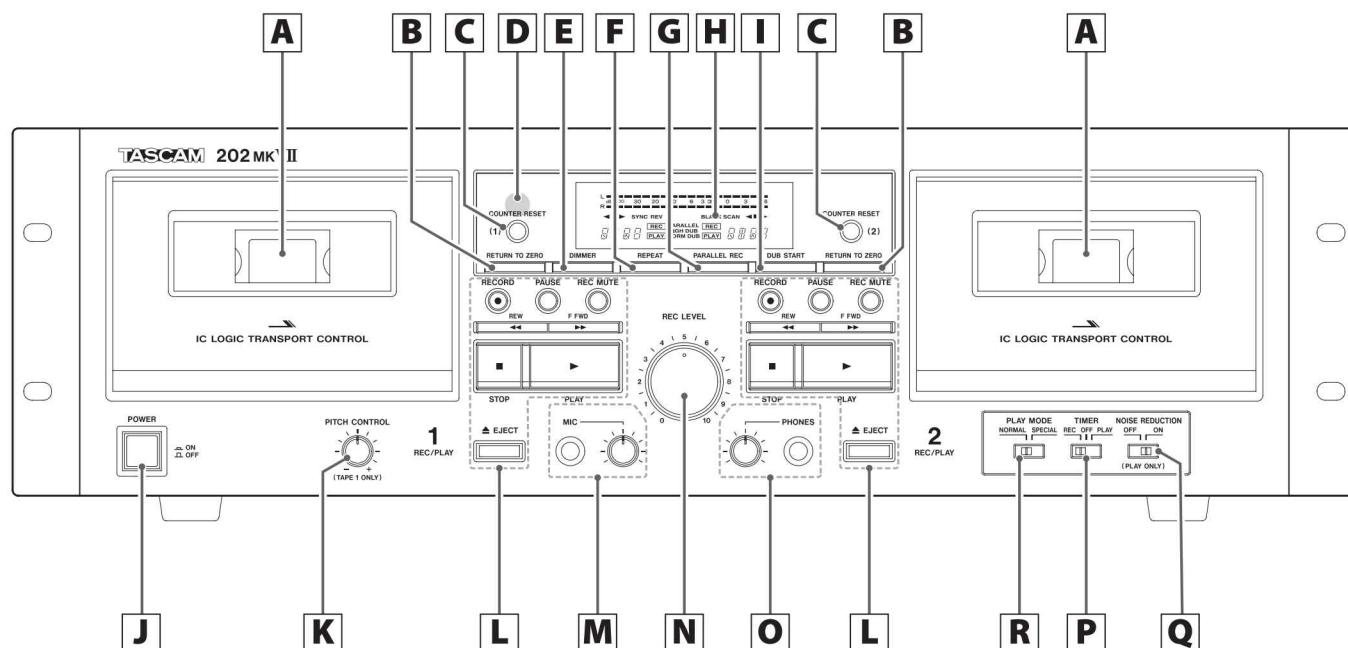
Tabs on cassettes allow you to prevent important recordings from being erased by mistake. There are two tabs on each cassette shell: one for side "A" and the other for side "B".

Once these tabs have been removed using a screwdriver or the like, there is absolutely no chance of the recording function being activated.



- To record on a cassette that has had its tab broken off, cover the hole using a piece of adhesive tape. Be careful not to block the tape type detection holes.

Names and functions of parts (main unit)



A Cassette compartment

B RETURN TO ZERO button

Press to return the tape to the "0000" counter position and stop (page 17).

C COUNTER RESET buttons

Press to reset the tape counter to "0000".

D Remote control signal receiver

When operating the remote control, point it towards here.

E DIMMER button

Press to change the brightness of the display.

F REPEAT button

This allows repeat playback of a selected section of the tape (page 18).

G PARALLEL REC (parallel recording) button

This button starts recording to both TAPE 1 and TAPE 2 simultaneously (page 24).

H Display

This shows tape counters, level meters, etc (page 13).

I DUB START (dubbing start) button

This button is used when copying the contents of a tape from TAPE 1 to TAPE 2 at normal speed (page 23).

- Dubbing from TAPE 2 to TAPE 1 is not possible.
- Dubbing at high speed is not possible.

J POWER button

Press to turn the unit on and off.

K PITCH CONTROL knob

This adjusts the playback pitch. This does not function when recording or dubbing (page 17).

L Cassette tape operation buttons

RECORD (●) button

Use when recording.
Press to start recording standby (page 18).

PAUSE button

Press to pause playback/recording.
Press again to resume playback/recording.

REC MUTE (record muting) button

Use to create a silence of about four seconds when recording or in recording standby (page 20).

Rewind/fast-forward (◀/▶) buttons

Use these buttons to rewind/fast-forward.

Stop (■) button

Press to stop playback, recording, rewinding or fast-forwarding.

PLAY (▶) button

Press to start cassette tape playback.
Press when playback/recording is paused to resume playback/recording.

EJECT (▲) button

Press to open the cassette compartment when the tape is stopped.

Using the remote control

Precautions for use

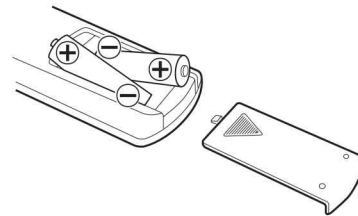
⚠ Misuse of batteries could cause them to rupture or leak, which might result in fire, injury or the staining of nearby materials.

Please carefully read and observe the precautions on page 3.

- When using the remote control, point it toward the remote control signal receiver on the main unit from a distance of 5 m (16 ft) or less. Do not place obstructions between the main unit and the remote control.
- The remote control might not work if the remote control signal receiver on the unit is exposed to direct sunlight or bright light. If this occurs, try moving the unit.
- Beware that use of this remote control could cause the unintentional operation of other devices that can be controlled by infrared rays.

Installing batteries

Remove the cover from the back of the remote control and insert two AA batteries with their $\oplus/\ominus$ oriented as shown in the case. Replace the cover.



When to replace batteries

If the distance required between the remote and the main unit decreases or if the unit stops responding to the remote buttons, replace both batteries with new ones. Dispose of the used batteries according to the instructions on them or requirements set by your local municipality.

M MIC connector and mic LEVEL knob

When using a mic to record, insert the mic cable plug into this connector and turn the knob to a suitable level (page 21).

- This unit does not support stereo mics. Use a mono mic.
- When a mic is connected, the tape playback level is lowered slightly. When the mic is disconnected, the playback level will return to normal.

N REC LEVEL (recording level) knob

Use to adjust the recording level.

O PHONES jack/LEVEL knob

Plug headphones into this jack to use them with this unit. Sound will be output from the LINE OUT jacks even when headphones are plugged in here. Use the LEVEL knob to the left to adjust the headphone volume.

⚠ CAUTION

While wearing headphones, do not connect or disconnect them or turn the unit on or off. Doing so could result in a sudden loud noise that could harm your hearing.

P TIMER switch

Use this switch to set the timer setting mode (record, off or play). Leave this switch in the OFF position for normal use. To use timer playback/recording, connect a commercially-available timer to this unit (page 26).

Q NOISE REDUCTION switch

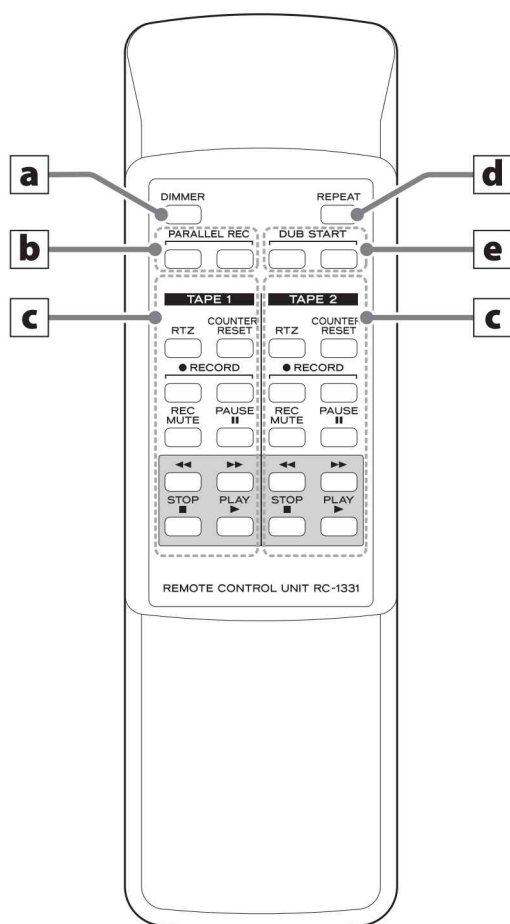
This function reduces hiss during tape playback.

- It only functions during playback.
- Using this during playback of tapes recorded with Dolby B noise reduction will reduce hiss. This cannot be used when recording to achieve a noise reduction effect like Dolby B.

R PLAY MODE switch

Use this switch to enable the SPECIAL playback mode using the double cassette deck (page 29).

Names and functions of parts (remote control)



- When the main unit and the remote control both have buttons with the same functions, this manual explains how to use one of the buttons. The other corresponding button can be used in the same manner.

a DIMMER button

Press to change the brightness of the display.

b PARALLEL REC (parallel recording) buttons

These buttons start simultaneously recording to both TAPE 1 and TAPE 2. Press both buttons at the same time (page 24).

c TAPE 1 and TAPE 2 operation buttons

RTZ button

Press to return the tape to the "0000" counter position and stop (page 17).

COUNTER RESET button

Press to reset the tape counter to "0000".

RECORD (●) button

Use when recording.

Press both buttons at the same time to start recording standby (page 18).

REC MUTE (record muting) button

Press while recording to record about four seconds of silence (page 20).

PAUSE (II) button

Press to pause playback/recording.

Press again to resume playback/recording.

Rewind/fast-forward (◀/▶) buttons

Use these buttons to rewind/fast-forward.

STOP (■) button

Press to stop playback, recording, rewinding or fast-forwarding.

PLAY (▶) button

Press to start cassette tape playback.

Press to resume playback/recording when it is paused.

d REPEAT button

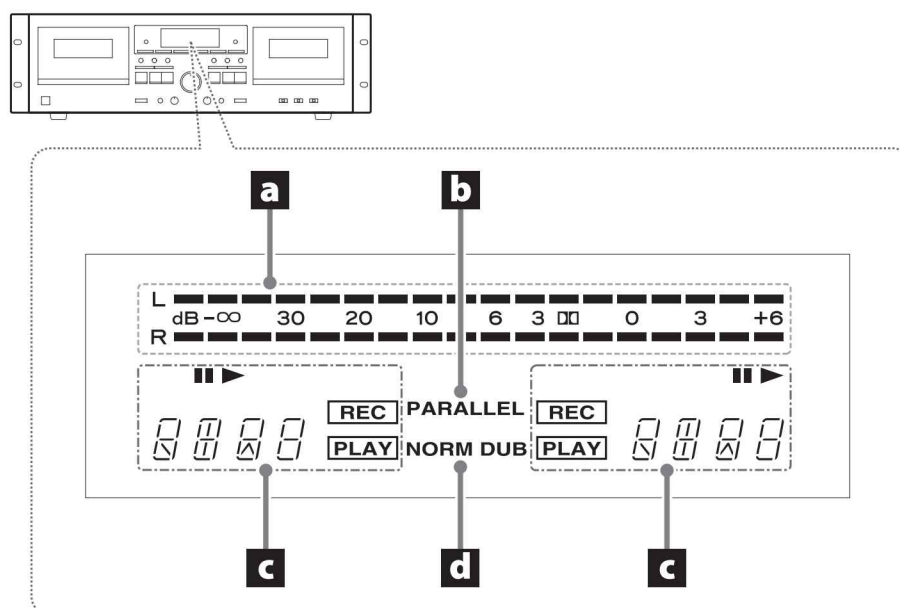
This allows repeat playback of a selected section of the tape (page 18).

e DUB START (dubbing start) buttons

This will start dubbing at normal speed. Press both buttons at the same time (page 23).

- Dubbing from TAPE 2 to TAPE 1 is not possible.
- Dubbing at high speed is not possible.

Names and functions of parts (display)



a Peak level meters

These show recording and playback levels.

b Parallel recording (PARALLEL) indicator

This lights when parallel recording to TAPE 1 and TAPE 2 (page 24).

c TAPE 1/TAPE 2 status indicators

Play/record (▶) indicator

During playback/recording, ▶ appears.

Pause (||) indicator

This appears when playback/recording is paused.

This blinks when monitoring playback is paused and the playback mode is "SPECIAL" (page 29).

Tape counter (□□□□)

Press the COUNTER RESET 1/2 button to reset that tape counter to "□□□□".

During repeat playback, "RE 1" and "RE 2" will appear.

Record (REC) indicator

This appears when recording or in recording standby.

This blinks while recording is muted (page 20).

Play (PLAY) indicator

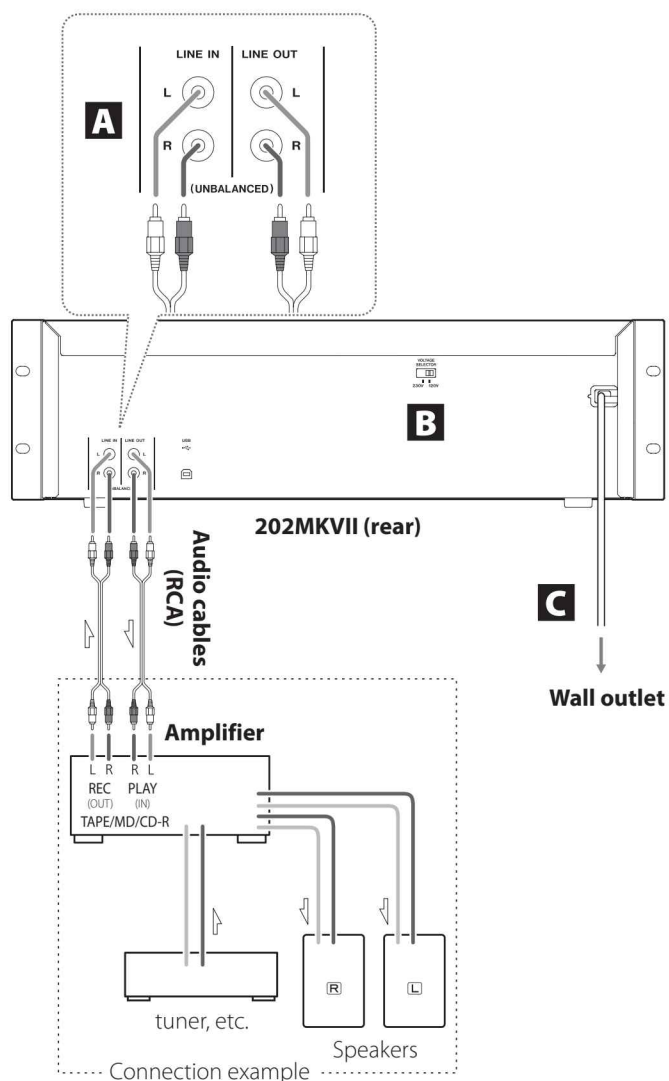
This appears when playing back or recording.

This blinks during monitoring playback when the playback mode is "SPECIAL" (page 29).

d Dubbing (NORM DUB) indicator

This appears when dubbing (page 23).

Connections



Complete all other connections before turning the unit on.

- Carefully read the manuals of the devices that you are connecting and follow their instructions when making connections.
- Do not bundle connecting cables with power cords. Doing so could cause noise.
- Connect all plugs completely.

A Analog audio input/output (LINE IN/OUT) connectors

LINE IN (line inputs)

Connect these to the line output connectors of the amplifier or the output connectors of the CD player or other device.

LINE OUT (line outputs)

Connect these to the tape/MD/CD-R, AUX or other input connectors of the amplifier.

Refer to the connection diagram to the left.

B Voltage selector

Use to switch the voltage to either 230 V or 120 V.

ATTENTION

The voltage selector is only available on units for specific markets.

IN USA/CANADA, USE ONLY ON 120V SUPPLY.

C Power cord

After completing all other connections, plug the power plug into a power outlet.

- Unplug the cord from the outlet when not using the unit for a long time.



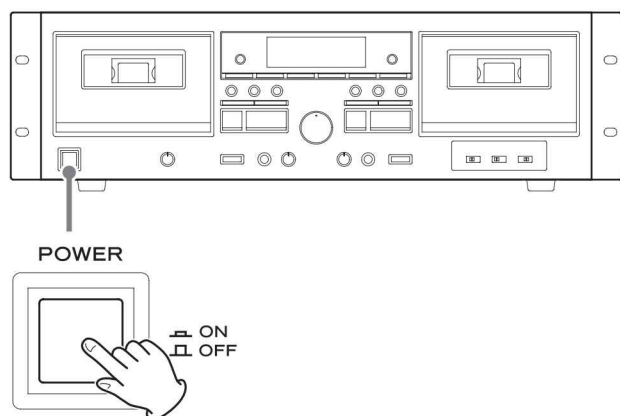
CAUTION

- Be sure to connect the power cord to an AC outlet that supplies the correct voltage. Connection to an outlet that supplies incorrect voltage could cause fire or electric shock.
- Hold the power plug when plugging it into an outlet or unplugging it. Never pull or yank on the power cord.

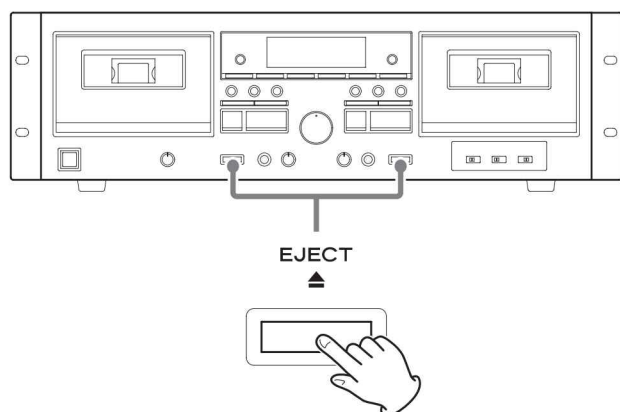
Listening to a cassette tape

This unit can play normal (type I), chrome (type II) and metal (type IV) tapes.

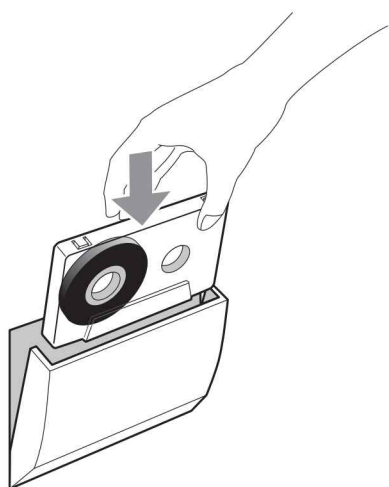
1 Press the POWER button to turn the unit on.



2 Press the EJECT (▲) button to open the cassette compartment.



3 Load a cassette tape into the compartment.

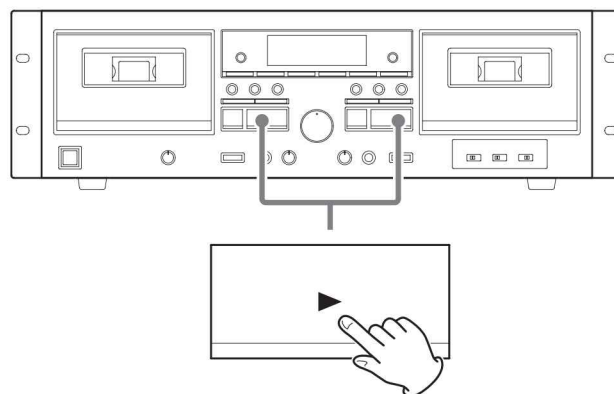


Insert the cassette tape with the playback side facing forward and its open edge facing down. Then, close the cassette compartment by pushing it gently. Use caution, because forcing it shut could cause malfunction.

ATTENTION

- Confirm that the tape is not slack (page 8).
- Do not use deformed or slack tapes because they could cause malfunction. Do not force the door of the compartment by hand when opening it.

4 Press the play (▶) button to start playback.



ATTENTION

Never turn the power off or disconnect the power cord during playback. Doing so could cause the tape to become stuck, for example.

Notes about playing (recording) a tape in one deck when tapes are loaded in both cassette holders

If the play (▶) button is pressed for the tape that is not playing (recording)

- ➔ When the PLAY MODE switch is set to NORMAL (page 29), the tape that is playing (recording) will stop, and the tape for which the play (▶) button was pressed will start playback. (Pressing the play button prioritizes that tape.)
- ➔ When the PLAY MODE switch is set to SPECIAL (page 29), the tape that is playing (recording) will continue, and the tape for which the play (▶) button was pressed will start monitoring playback.

If the record (●) button is pressed for the tape that is not playing (recording)

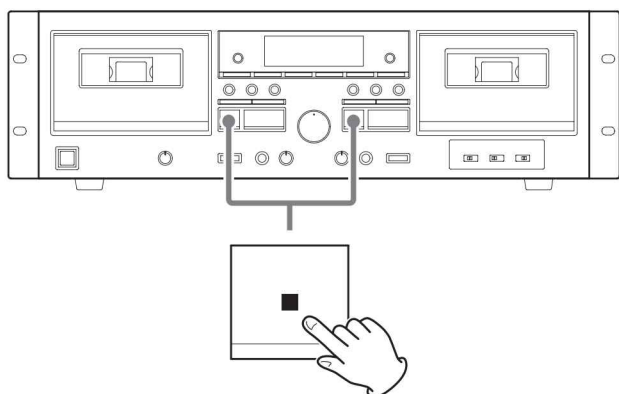
- ➔ The tape that is playing (recording) will stop, and the tape for which the record (●) button was pressed will enter recording standby.

If a rewind/fast-forward (◀◀/▶▶) button is pressed for the tape that is not playing (recording)

- ➔ The tape that is playing (recording) continues as is, and the tape for which the search rewind/fast-forward (◀◀/▶▶) button was pressed will rewind/fast-forward.

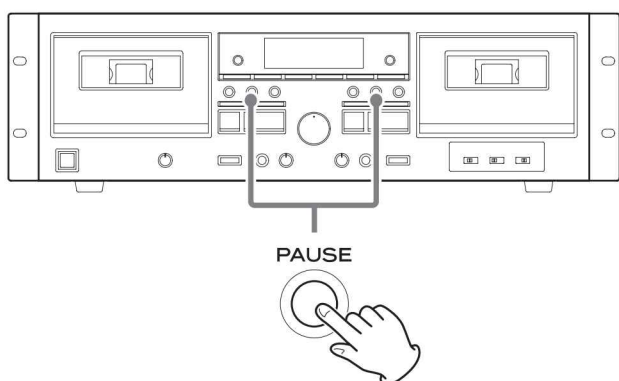
Listening to a cassette tape (continued)

Stopping playback



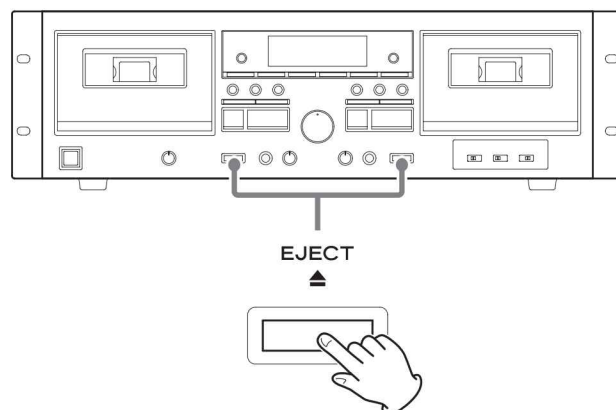
Press the stop (■) button to stop playback.

Pausing playback



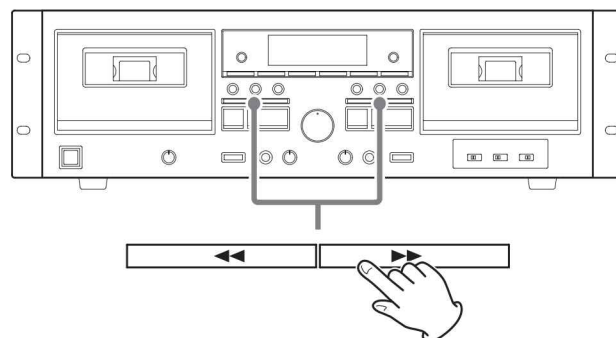
Press the PAUSE button to pause playback.
To resume playback, press the PAUSE button again or press the play (▶) button.

Removing cassette tapes



When a tape is stopped, press the EJECT (▲) button to open the cassette compartment it is in.

Rewinding/fast-forwarding

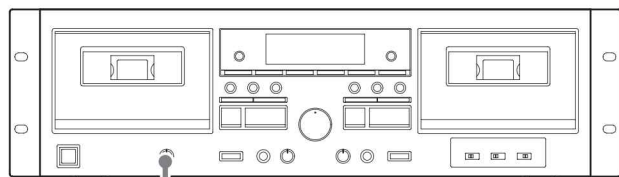


Press the rewind/fast-forward (◀▶) button.

Winding stops when the end of the tape is reached.
To stop winding before the end, press the stop (■) button.

Pitch control (TAPE 1 only)

The pitch can be controlled during TAPE 1 playback.



PITCH CONTROL



Turning the PITCH CONTROL knob clockwise (toward +) increases the playback speed and raises the pitch.

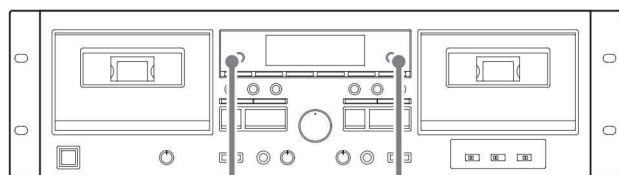
(The maximum is 12%, which is about two semitones higher.)

Turning this knob counterclockwise (toward -) reduces the playback speed and lowers the pitch.

(The maximum is 12%, which is about two semitones lower.)

- This function is disabled when recording and dubbing. This can only be used to adjust playback.

Tape counter



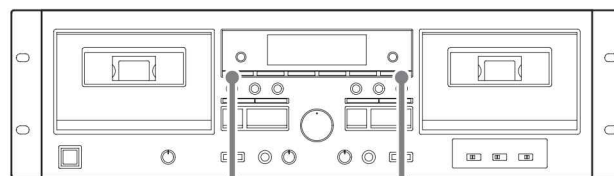
COUNTER RESET



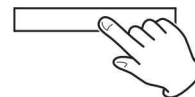
Press a COUNTER RESET button to reset that tape counter to "0000".

You can use this function for easy relocation of any desired point on the tape. Using this with the "Returning to zero" function described in the following section can be convenient.

Returning to zero



RETURN TO ZERO



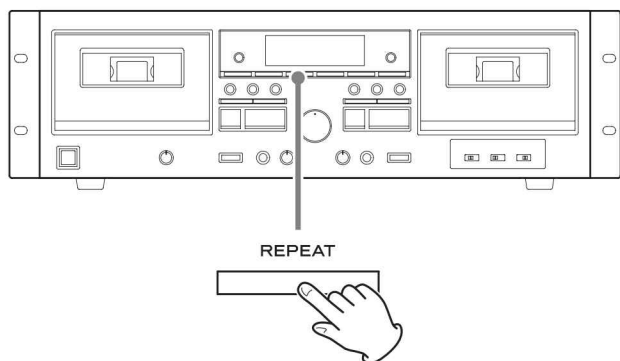
Press the RETURN TO ZERO button to fast-forward or rewind the TAPE 1 or TAPE 2 until the counter reaches "0000" and the tape stops.

- This function cannot be used if the counter is between "9995" and "9999".

Repeat playback

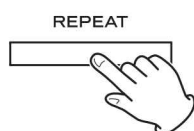
You can listen to a set interval repeatedly.

- 1 During playback, press the REPEAT button at the point where you want to start the repeat playback interval.**



The **REPEAT** appears on the display.

- 2 Press the REPEAT button at the point where you want to end the repeat playback interval.**



The **REPEAT** appears on the display.

The tape automatically rewinds to the starting point and playback starts, continuing to the ending point. When the ending point is reached, playback stops temporarily, the tape rewinds again to the starting point, and playback to the ending point repeats.

Repeat playback stops automatically after 20 repetitions.

Press the stop (■) button to end repeat playback.

- During repeat playback, only the REPEAT and stop (■) buttons can be used.
- This function cannot be used for intervals of less than 10 counts on the tape counter between the starting and ending points.

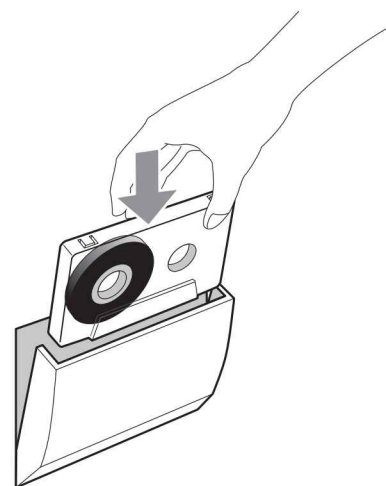
Recording to cassette tapes

Using this unit, the sound from devices connected to the line input connectors can be recorded on cassette tapes.

This unit can record to normal (type I) and chrome (type II) tapes.

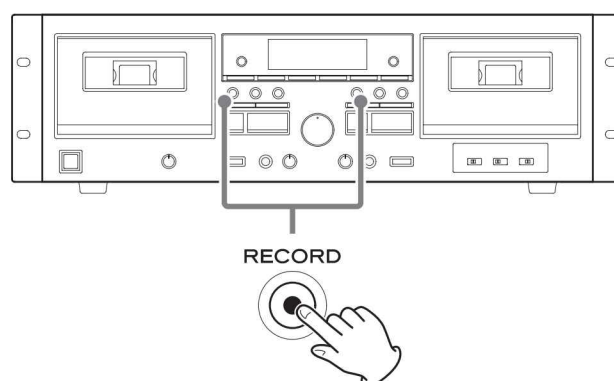
- This unit does not support recording to metal (type IV) tapes.
- This explanation describes how to record from a connected device to TAPE 1 or TAPE 2. This unit also has functions that allow recording a mix with sound input from a microphone (page 21) and parallel recording to both TAPE 1 and TAPE 2 at the same time (page 24).

- 1 Put a cassette tape for recording in the compartment.**



- Load it with the side to be recorded facing forward.
- If the erasure prevention tabs of the loaded cassette tape have been broken off, stick a piece of adhesive tape over the hole(s).

- 2 Press the RECORD (●) button to start recording standby.**



The **II** and **REC** appear on the display.

- If you want to record using the remote control, press the two RECORD (●) buttons on the remote control at the same time.
- Press the stop (■) button to stop recording when in recording standby.

3 Adjusting the recording level.

Before recording, adjust the recording level. If the recording level is not suitable, the sound of the recording could be distorted (level too high) or noisy (level too low).

1. Play the source (external source) to be recorded.

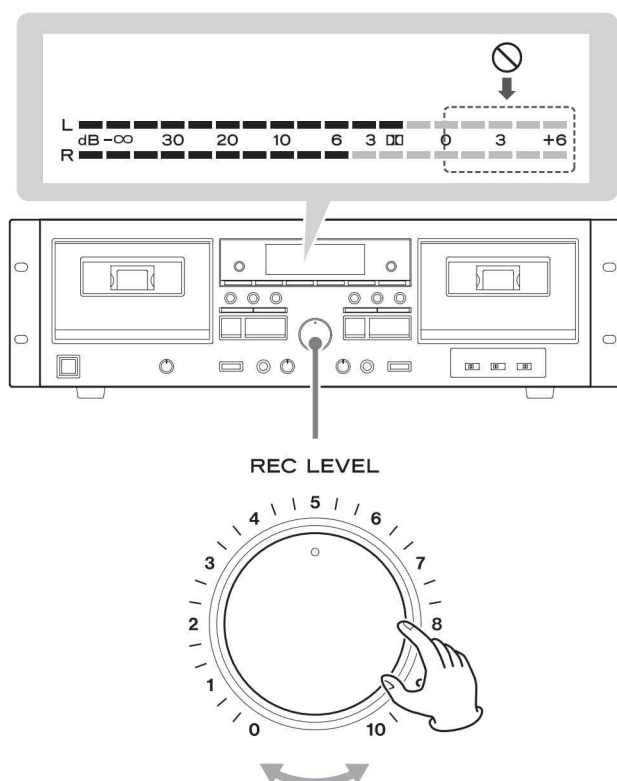
Examples:

Play the input source of a connected amplifier.

Play the connected audio player.

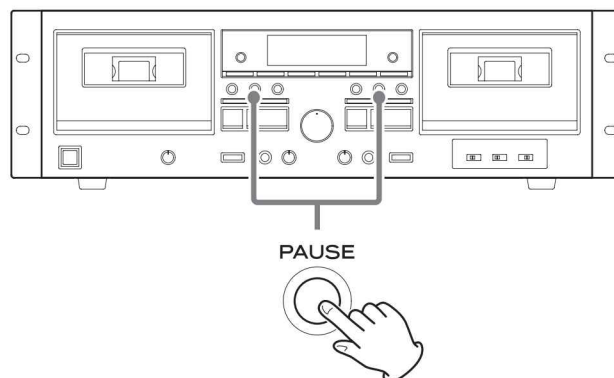
Tune in a station on a connected radio tuner.

2. Use the REC LEVEL (recording level) knob so that the peak level meter never reaches 0.



- The volume may differ depending on the recording source. In order to record different sources at appropriate volumes, you must adjust the recording level for each source.

4 Press the PAUSE button to start recording.



The **||** disappears, and **REC** and **PLAY** appear on the display.

ATTENTION

Never turn the power off or disconnect the power cord during recording.

Doing so could cause the tape to become stuck, for example.

Pausing recording

Press the PAUSE button.

Press it again to resume recording.

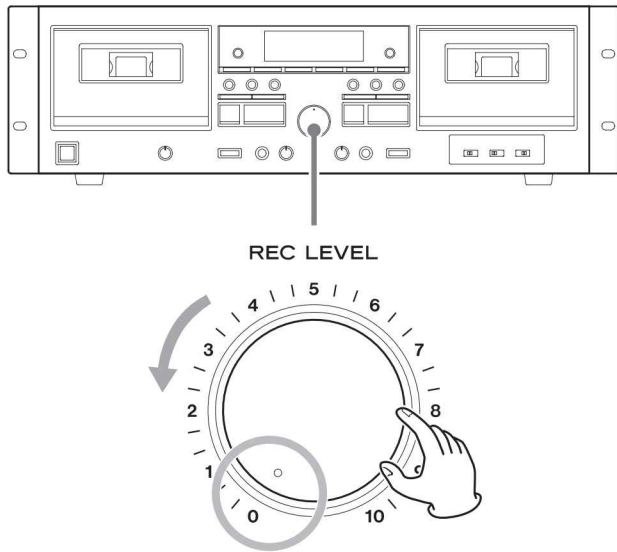
Stopping recording

Press the stop (■) button.

- When source playback stops, recording does not automatically stop.

Recording to cassette tapes (continued)

Erasing already recorded tapes

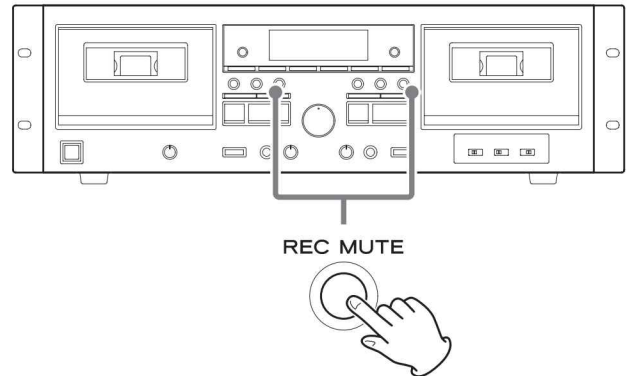


You can erase a cassette tape by setting the recording level to the minimum value (0) and recording silence.

After setting the REC LEVEL (recording level) knob to 0, follow the recording procedures (page 18) to record. (Skip recording level adjustment in step 3. Setting the recording source is also unnecessary.)

Creating silences (REC MUTE)

Erasing unnecessary parts and creating spaces between songs while recording is possible.



If you press the REC MUTE (record muting) button when recording or in recording standby, the unit records no signal for about 4 seconds and then enters recording standby.

To create a blank of more than 4 seconds long

Hold down the REC MUTE (record muting) button for the desired length of time.

Silence is recorded while you press the button. When you release the button, the unit enters recording standby.

To create a blank of less than 4 seconds long

Press the PAUSE button within 3 seconds of pressing the REC MUTE (record muting) button.

This stops the recording of silence and puts the unit in recording standby.

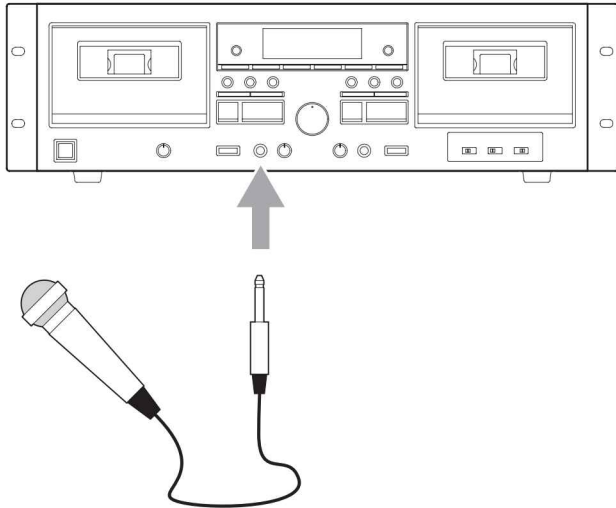
Press the PAUSE button to resume recording.

- **REC** blinks on the display while recording is muted.

Mixing line input sounds when recording

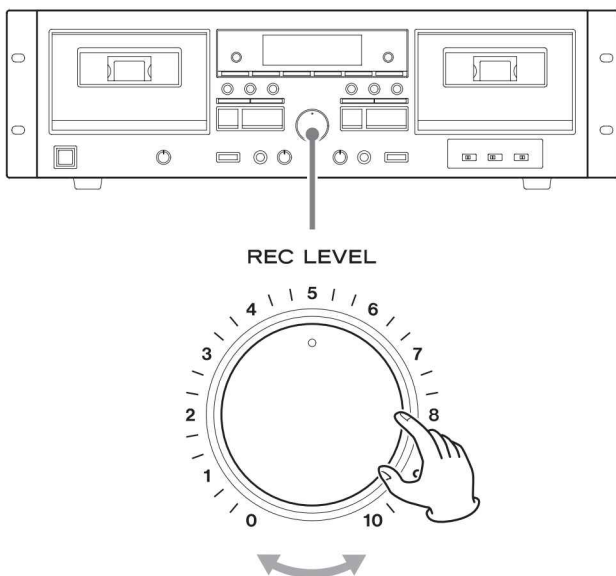
You can mix in the sound of a mic connected to this unit with an audio source from a connected device when recording. You can also record only the sound from the mic.

This unit does not support stereo mics. Use a mono mic.



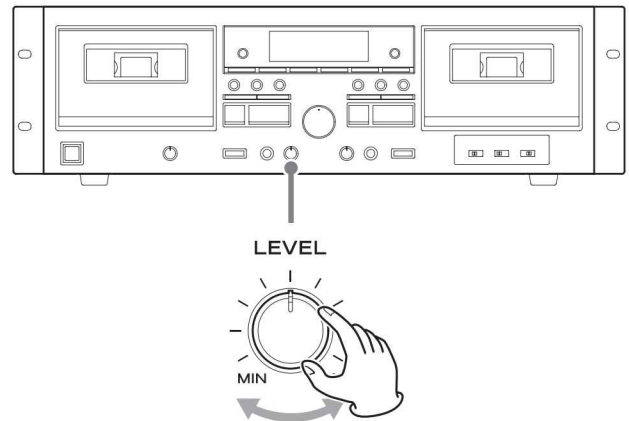
Connect the mic plug to the MIC connector on the front of the unit, and follow the recording procedures (page 18) to record. When adjusting the recording level in step 3 of the recording procedures, adjust both the source and mic levels as follows.

1 Adjust the source level.



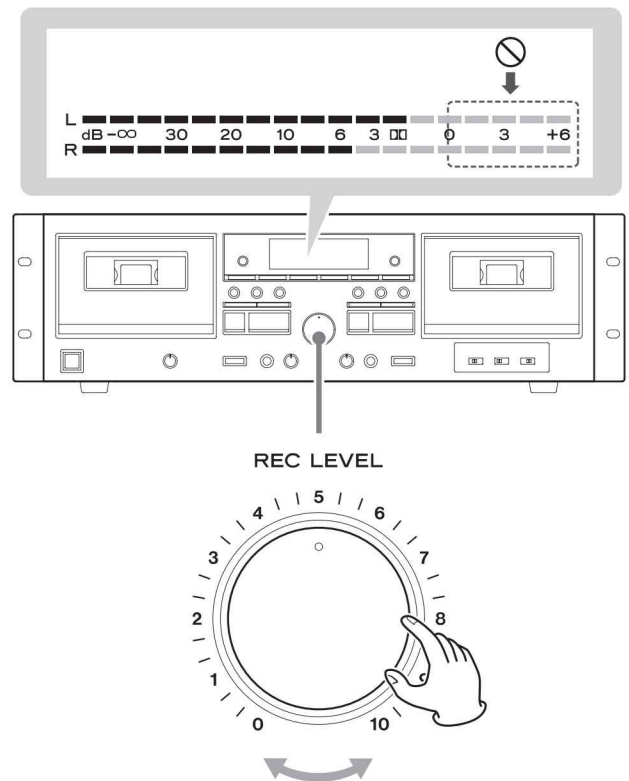
Play the source back and adjust the REC LEVEL (recording level) knob so that the level is slightly low.

2 Adjust the mic level.



While inputting sound with the mic, turn the mic LEVEL knob to adjust the balance between the source and mic sounds.

3 Adjust the overall level.



Play the source back and, while inputting the mic sound, adjust the REC LEVEL (recording level) knob so that the peak level meter never exceeds 0 continuously.

After adjusting, continue to the recording procedure (step 4) on page 19.

- The volume may differ depending on the recording source. In order to record different sources at appropriate volumes, you must adjust the recording level for each source.
- The mic sound will be placed equally in both left and right channels so that it sounds centered.
- Connect the source directly to the analog audio input (LINE IN) connectors, or select it on the amplifier connected to the LINE IN connectors (page 14).

Mic mixing with recording (continued)

- When recording a mic, we recommend using headphones for monitoring to prevent feedback.* If monitoring with speakers, be sure to lower their output volume and keep the mic away from them to prevent feedback.

*Feedback explanation

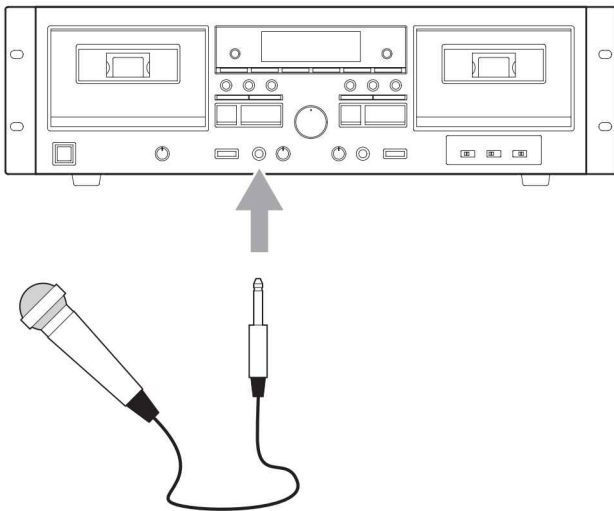
Feedback is when sound output from a speaker is picked up by a mic and returned causing oscillation. This could cause very loud noise that could even damage speakers.

- Silences can also be created (page 20) when recording with mic input.
- When recording a mix of the line input sound and mic input, the REC LEVEL (recording level) knob can be used to adjust the volume after mixing.

Mixing tape playback when recording

You can mix in the sounds of TAPE 1 and input from a mic connected to this unit when recording to TAPE 2.

**This unit does not support stereo mics.
Use a mono mic.**



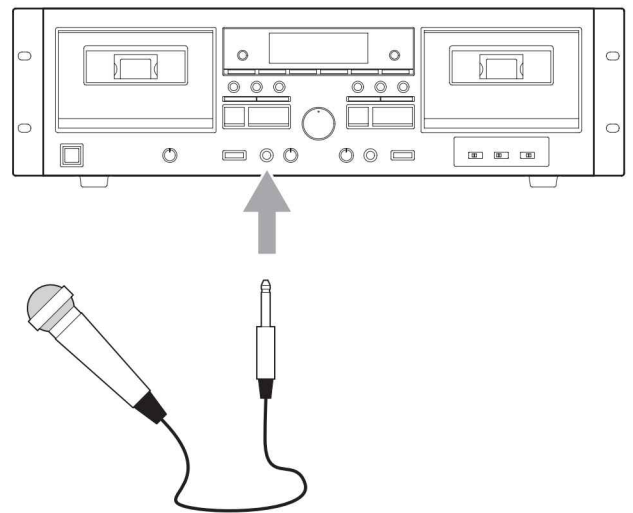
Connect the mic plug to the MIC connector on the front of the unit.

- 1 Load a cassette tape for playback into the TAPE 1 compartment and a cassette tape for recording into the TAPE 2 compartment.**
- 2 Press the TAPE 1 play (▶) button to start tape playback. Then, turn the mic LEVEL knob to adjust the balance between the playback and mic sounds.**
- 3 Press the TAPE 1 rewind (◀◀) button and cue the song to play.**
- 4 Press the TAPE 1 stop (■) button to stop the tape.**

5 Follow step 2 for dubbing on page 23, and start dubbing with mic mixing.

- When a mic is connected to the MIC connector on the front of the unit, the tape playback level is lowered slightly. This is to ensure enough headroom when the tape playback and mic input sounds are combined.
- When playing a dubbed tape, the playback level will be lowered slightly if a mic is connected to the MIC connector on the front of the unit. When the mic is disconnected, the playback level will return to normal.
- When recording a mix of the tape playback sound and mic input, the REC LEVEL (recording level) knob cannot be used to adjust the volume after mixing.

Enjoying karaoke with tape playback



Connect the mic plug to the MIC connector on the front of the unit.

- 1 Load a cassette tape for playback into the TAPE 1 compartment.**
- 2 Press the TAPE 1 play (▶) button to start tape playback. Then, turn the mic LEVEL knob to adjust the balance between the playback and mic sounds.**

Sing along with the song.

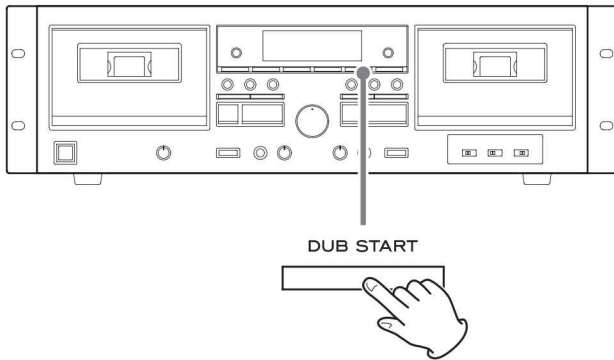
- Use the PITCH CONTROL knob to adjust the pitch of the karaoke backing track as necessary.
- Karaoke can also be enjoyed with TAPE 2 playback, but controlling the pitch of the backing track is not possible when using TAPE 2.
- When a mic is connected to the MIC connector on the front of the unit, the tape playback level is lowered slightly. This is to ensure enough headroom when the tape playback and mic input sounds are combined while dubbing with mic mixing.
- The REC LEVEL (recording level) knob cannot be used to adjust the volume after mixing.

Dubbing

TAPE 1 can be dubbed to TAPE 2.

1 Load a cassette tape for playback into the TAPE 1 compartment and a cassette tape for recording into the TAPE 2 compartment.

2 Press the DUB START (dubbing start) button to start dubbing.



This will start dubbing at normal speed.
During dubbing, the dubbing (NORM DUB) indicator lights on the display.

- To start dubbing using the remote control, press both DUB START (dubbing start) buttons on it at the same time.
- The DUB START (dubbing start) button does not work immediately after the tape is fast-forwarded or rewind to the end. Wait for 5 seconds or more before pressing the button.

When TAPE 1 playback stops, dubbing also stops automatically.

Pausing dubbing

Press the TAPE 2 PAUSE button to pause dubbing. When paused, TAPE 1 will continue playing, but TAPE 2 will not record. Press it again to resume dubbing.

Stopping dubbing before playback ends

Press the TAPE 1 or TAPE 2 stop (■) button.

- The TAPE 2 REC MUTE (record muting) can be used to record silences (page 20) even while dubbing. (The TAPE 1 REC MUTE (record muting) button cannot be used.) Erasing unnecessary parts and creating spaces between songs is possible while dubbing.

- The pitch control function is disabled while dubbing.
- The recording level cannot be adjusted while dubbing.
- Use the same procedures to dub the other side of the tape as necessary.
- To disable mic mixing, do not connect a mic to the MIC connector on the front of the unit. Dubbing when a mic is connected will result in a slightly lower recording level.

Parallel recording

This function allows you to record the same source from a connected device to both TAPE 1 and TAPE 2 simultaneously.

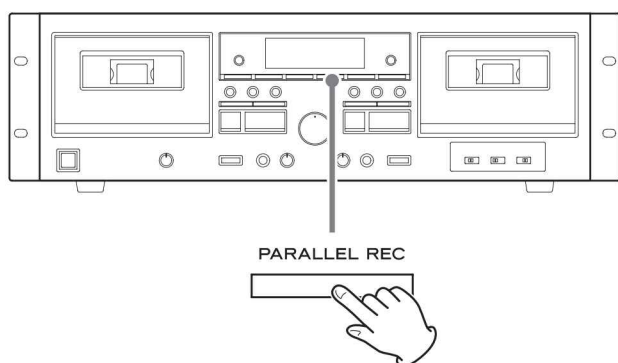
1 Load cassette tapes for recording into both the TAPE 1 and TAPE 2 compartments.

- If the erasure prevention tabs of the loaded cassette tape have been broken off, stick a piece of adhesive tape over the hole(s).

2 Follow recording procedure steps 2–3 on pages 18–19 to adjust the recording level.

3 Press the TAPE 1 stop (■) button to end recording standby.

4 Press the PARALLEL REC (parallel recording) button to start recording.



PARALLEL will appear on the display.

- When using the remote control, press both PARALLEL REC (parallel recording) buttons on it at the same time.
- Parallel recording cannot be started when paused. Stop the unit before starting.
- The TAPE 2 REC MUTE (record muting) button can be used to record silences even during parallel recording (page 20). (The TAPE 1 REC MUTE (record muting) button cannot be used.)

Pausing parallel recording

Press the TAPE 2 PAUSE button.

Press it again to resume parallel recording.

Stopping parallel recording

Press the TAPE 1 or TAPE 2 stop (■) button.

- When source playback stops, recording does not automatically stop.

Recording with a computer

Connect this unit to a computer using a commercially-available USB cable to convert audio signals from a cassette tape to digital data and send them to the computer.

Supported operating systems

Computers running the following operating systems can be connected by USB to this unit. Use with operating systems other than these is not guaranteed (as of November 2017).

Windows

- Windows 7 (32-bit, 64-bit)
- Windows 8 (32-bit, 64-bit)
- Windows 8.1 (32-bit, 64-bit)
- Windows 10 (32-bit, 64-bit)

Mac

- OS X Lion (10.7)
- OS X Mountain Lion (10.8)
- OS X Mavericks (10.9)
- OS X Yosemite (10.10)
- OS X El Capitan (10.11)
- macOS Sierra (10.12)
- macOS High Sierra (10.13)

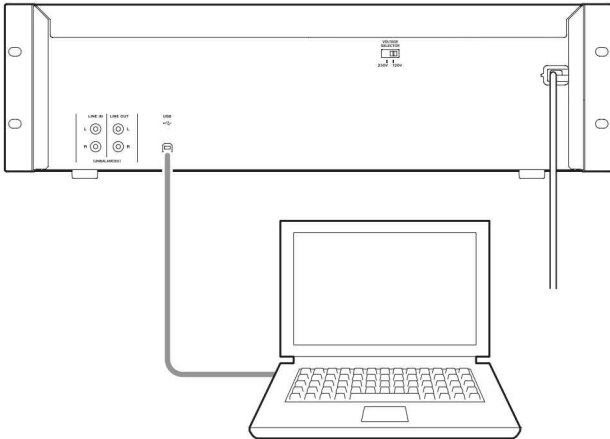
- This unit will run with the standard OS driver, so there is no need to install a special driver.

Connecting with a computer

1 Turn the computer on.

Confirm that the operating system is working correctly.

2 Use the USB cable to connect the computer and this unit.



- For connecting to a computer, we recommend using a USB cable that has a ferrite core, which resists noise, attached.

3 Press the POWER button on this unit to turn the unit on.

When the computer and this unit are connected, the computer will automatically detect this unit's USB port and identify it as "USB Audio CODEC".

- To record audio from this unit using a computer, you must first install software that can be used for audio recording on the computer.
You may purchase the audio recording software that you prefer separately or download free software, such as Audacity (<http://www.audacityteam.org/>), from the Internet.
As free software, Audacity is not supported by TEAC.
- When connected to a computer by USB and recording audio, do not do any of the following. Doing so could cause the computer to malfunction. Always quit the computer recording software before doing the following.
 - Disconnect the USB cable
 - Turn the unit off

Computer settings

The following example explains the settings to make using Windows 7.

1 From the Start menu, select Control Panel.

2 Click "Sound".

3 Click the "Recording" tab, and confirm that "USB Audio CODEC" is set as the "Default Device".

4 Select "Microphone USB Audio CODEC", and click the Properties button.

5 Click the "Advanced" tab.

6 From the "Default Format" pull-down menu list, select the desired recording quality (format).

TIP

"2 channel, 16 bit, 48000 Hz (DVD quality)" provides high audio quality but also requires more file space. Recording with a lower sampling frequency reduces the audio quality but also uses less file space.

7 Click "OK".

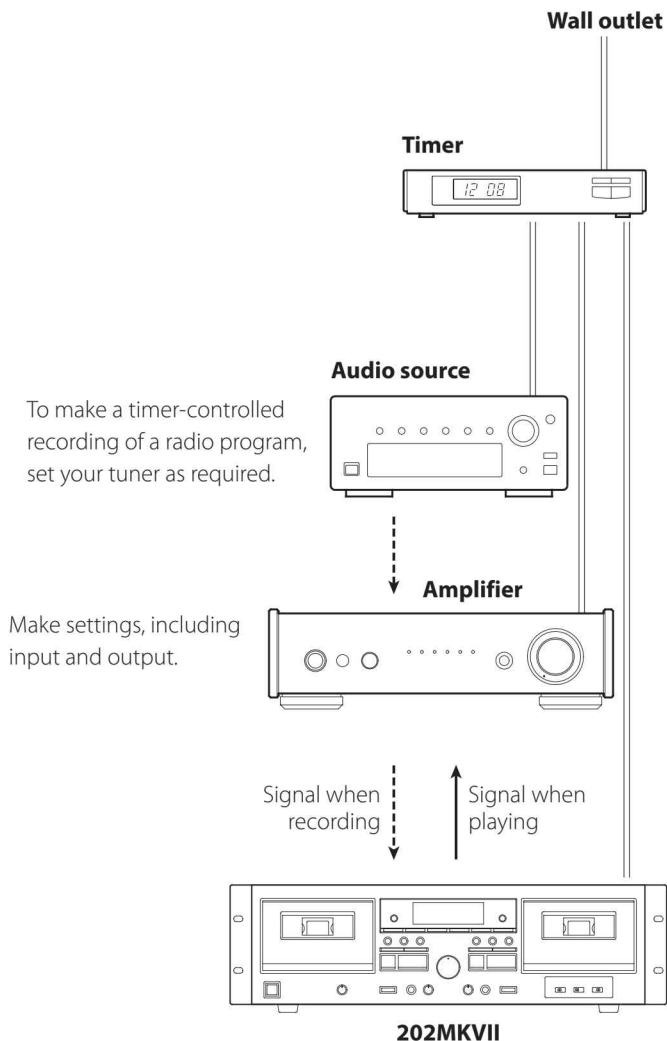
Timer-controlled playback and recording

Recording and playback by this unit can be started at set times by connecting a commercially-available timer.

- Only cassette tapes loaded in this unit can be played back using timer playback. Timer playback cannot be used with other connected equipment.
- Timer recording sources are limited to connected equipment that can be operated by timer. This can be used for timed recording of radio broadcasts, for example.
- A timer cannot be used for dubbing from TAPE 1 to TAPE 2.

Connections

Referring to the illustration below, connect your audio equipment.



Complete all other connections before turning the unit on.

- Carefully read the manuals of the devices that you are connecting and follow their instructions when making connections.
- Do not bundle connecting cables with power cords. Doing so could cause noise.

Timer-controlled playback

- Only cassette tapes loaded in this unit can be played back using timer playback. Timer playback cannot be used with other connected equipment.

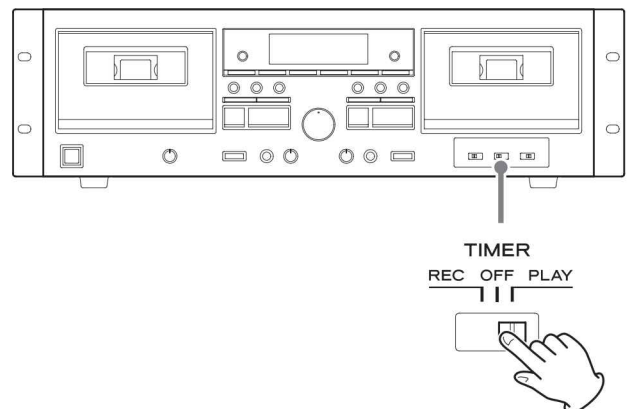
1 Connect the 202MKVII and the other equipment to a commercially-available timer as shown in the illustration to the left.

2 Set the power switches of all components to ON.

3 Load the cassette that you want to use for timer playback.

- Load the cassette tape with the side to be played facing forward.
- If cassettes are loaded in both TAPE 1 and TAPE 2, TAPE 1 will play back and stop. If a cassette is loaded only in TAPE 2, it will play back.

4 Set the TIMER switch to PLAY.



5 Set the timer to your desired start (power on) and stop (power off) times.

When this setting is completed, the power to all components should be turned off.

At this time, do not press this unit's POWER button.

Leave the button pushed in (the on position). If the POWER button is in the off position, timer playback will not function.

When the timer on time is reached, the timer will supply power to the connected devices and playback will start.

- When you do not want to use the timer, set the TIMER switch to OFF.

Timer-controlled recording

- Timer recording sources are limited to connected equipment that can be operated by timer. This can be used for timed recording of radio broadcasts, for example.
- A timer cannot be used for dubbing from TAPE 1 to TAPE 2.

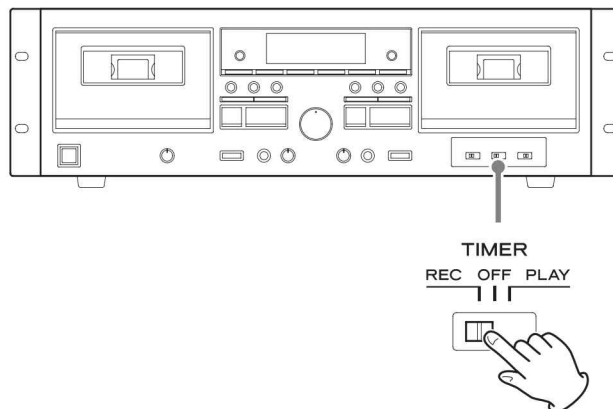
1 Connect the 202MKVII and the other equipment to a commercially-available timer as shown in the illustration on the previous page.

2 Set the power switches of all components to ON.

3 Load the cassette tape that you want to use for timer recording.

- If the erasure prevention tabs of the loaded cassette tape have been broken off, stick a piece of adhesive tape over the hole(s).
- This unit can record to normal (type I) and chrome (type II) tapes.

4 Set the TIMER switch to REC.



5 (When recording from radio)

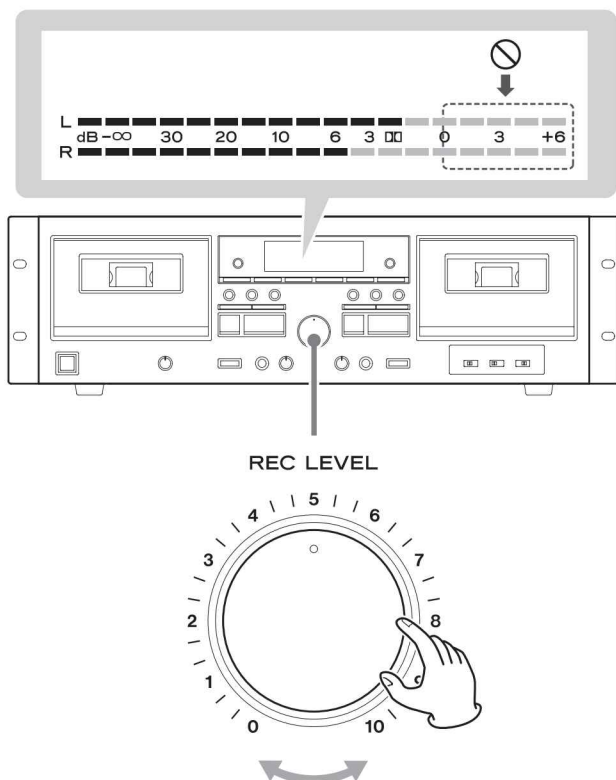
Tune in the radio station that you want to record.

Timer-controlled playback and recording (continued)

6 Adjusting the recording level.

Before recording, adjust the recording level. If the recording level is not suitable, the sound of the recording could be distorted (level too high) or noisy (level too low).

1. Play the source (external source) to be recorded.
2. Use the REC LEVEL (recording level) knob so that the peak level meter never reaches 0.



- The volume may differ depending on the recording source. In order to record different sources at appropriate volumes, you must adjust the recording level for each source.

7 Set the timer to your desired start (power on) and stop (power off) times.

When this setting is completed, the power to all components should be turned off.

At this time, do not press this unit's POWER button.

Leave the button pushed in (the on position). If the POWER button is in the off position, timer recording will not function.

When the timer on time is reached, the timer will supply power to the connected devices and recording will start.

- When you do not want to use the timer, be sure to set the TIMER switch to OFF to prevent accidentally recording over an important cassette tape.

Playback modes

Use the PLAY MODE switch to activate the special playback mode that uses the double cassette feature.

NORMAL

This is the ordinary playback mode. Activity switches to TAPE 1 or TAPE 2 in response to playback operation, and the playback sound is output from the LINE OUT and the headphone connectors.

The same sound is output from the LINE OUT and the headphone connectors.

SPECIAL

This is a special playback mode using the double cassette deck.

If one tape is playing back, recording or paused, that state will continue and its sound will be output from the LINE OUT connectors when playback of the other tape is started. The playback sound of the second tape will only be output from the headphones (monitoring playback). Using this mode, you can cue a second tape while playing or recording another.

To output the cued audio from the LINE OUT connectors, press the stop (■) button to stop tape cueing.

And then, press the stop (■) button for the tape that continued audio output from the LINE OUT connectors to stop it, and start playback/recording of the cued tape to output its sound from the LINE OUT connectors.

- During monitoring playback, the play (PLAY) indicator blinks.
- When monitoring playback is paused, the pause (II) indicator blinks.
- When TAPE 1 and TAPE 2 are both stopped, they will be output from the LINE OUT connectors when playback and recording starts.
- Noise reduction is not applied to the sound output from the headphone connector during monitoring playback.

Automatic power saving function

ATTENTION

The automatic power saving function is only included in European models.

The automatic power saving function is ON when this unit is shipped new, so it will automatically turn off if 30 minutes pass under the conditions shown below.

Status	Cassette tape
No cassette tape	✓
Stopped	✓
Recording paused	–

- ✓ Automatic power saving function active
- Automatic power saving function not active

To reactivate the unit after it has turned off automatically, press the POWER button on the main unit twice.

Changing the automatic power saving setting

- 1 Stop both TAPE 1 and TAPE 2.**
- 2 Press the TAPE 1 and TAPE 2 (■) buttons at the same time to show the current setting ("Apwr OFF" or "Apwr On") in the tape counter area.**
- 3 Use the TAPE 2 play (▶) button to change the setting.**
- 4 Press the TAPE 2 stop (■) button to return to the ordinary state.**

Troubleshooting

If you are having trouble with the operation of this unit, please try the following before seeking repair.

If these measures do not solve the problem, please contact the store where you purchased this unit or TASCAM customer support service.

The unit does not turn on.

- ➔ Check that the power cord is plugged into a working power outlet.
- ➔ Check that the power cord is properly connected to this unit.
- ➔ Check that the power cord is completely plugged into the power outlet.

When the unit is turned on, playback/recording starts unexpectedly.

- ➔ Set the TIMER switch to OFF.

Remote control does not work.

- ➔ Press the POWER button to turn the unit on.
- ➔ If the batteries are exhausted, replace both of them with new ones.
- ➔ Point the remote control at the front panel of the unit from a distance of less than about 5 m (16 ft).
- ➔ The remote control will not work if there is an obstruction between it and the main unit. In this case, try changing the position.
- ➔ Turn off any strong light source near this unit.

When using the remote control, a television or another device operates in error.

- ➔ The use of this unit's remote control might cause some televisions with wireless remote control functions to operate incorrectly. If this should occur, use the main unit's buttons.

The unit does not respond when buttons are pressed.

- ➔ The unit sometimes does not respond when buttons are pressed during operation. Try pressing the button again after waiting a little while.
- ➔ Load a cassette if one is not already loaded.
- ➔ Insert the cassette correctly.

No or very little sound is output.

- ➔ Confirm connections with the amplifier.
- ➔ Confirm connections with the speakers and other devices.
- ➔ Confirm that operation of the connected device is correct.
- ➔ Confirm that speaker cable ⊕ and ⊖ are not shorted.

There is noise.

- ➔ Place the unit as far away as possible from TVs, microwave ovens and other devices that have strong magnetism.

Cassette compartment does not close.

- ➔ It will not close if the cassette tape is not properly loaded. Reinsert the cassette correctly.

Sound quality is poor.

- ➔ Clean the heads (page 8).

Playback speed seems somewhat fast or slow.

- ➔ Check the pitch control setting (page 17).

Recording is not possible.

- ➔ If the erasure prevention tabs of the loaded cassette tape have been broken off, stick a piece of adhesive tape over the hole(s).
- ➔ Check the recording level setting (page 19).
- ➔ Confirm connections with the amplifier and the source device.
- ➔ Confirm that the amplifier selector is set correctly.

Timer-controlled playback/recording does not start.

- ➔ For timer playback, set the TIMER switch to PLAY.
- ➔ For timer recording, set the TIMER switch to REC.
- ➔ Press the POWER button on this unit to turn it on.
- ➔ After setting timer playback/recording, turn the power off from the timer. (When the timer turns the power on, the 202MKVII will operate.)

This unit uses a microprocessor, so noise and other external interference could cause it to stop functioning properly. If this occurs, unplug the power cord, wait for a while, and then turn the power back on to restart operations.

Specifications

Cassette recorder

Tracking system	4-track, 2-channel stereo
Head construction	Recording/playback head (1 each for TAPE 1 and TAPE 2) Erase head (1 each for TAPE 1 and TAPE 2)
Tape speed	4.8 cm/s
Pitch control	±12%
Fast winding time	About 120 seconds for a C-60 tape
Wow and flutter	0.25% (WRMS)
Frequency response	Chrome tape (Type II) 30 Hz – 15 kHz (±4 dB) Normal tape (Type I) 30 Hz – 13 kHz (±4 dB)
Total S/N ratio	59 dB (during maximum recording level input, A-weighted)
Analog audio input connectors (RCA)	Nominal input level -9 dBu (0.28 Vrms) Maximum input level +20 dBu (7.75 Vrms) Input impedance 33 kΩ
Mic input connector (standard mono jack)	Minimum input level -66 dBu (0.388 mVrms) Input impedance 3 kΩ or more
Analog audio output connectors (RCA)	Nominal output level -4.5 dBu (0.46 Vrms) Output impedance 1 kΩ
Headphone output jack (standard stereo)	15 mW + 15 mW (into 32Ω load)

USB port (type B)

USB 2.0 (Full Speed) standard compliant

Sampling frequency

8 kHz, 11.025 kHz, 16 kHz, 22.05 kHz, 32 kHz, 44.1 kHz, 48 kHz

Quantization bit depth 8/16-bit

- 1 dBu = 0.775 Vrms

General

Power supply

Model for Europe AC 230 V, 50 Hz

Model for U.S.A./Canada AC 120 V, 60 Hz

Power consumption

Model for Europe 22 W

Model for U.S.A./Canada 22 W

External dimensions (W × H × D, including protrusions)

482 × 138.3 × 285.8 mm (19" × 5 1/2" × 11 1/4")

Weight

Model for Europe 5.9 kg (13 lb)

Model for U.S.A./Canada 5.5 kg (12 1/8 lb)

Included items

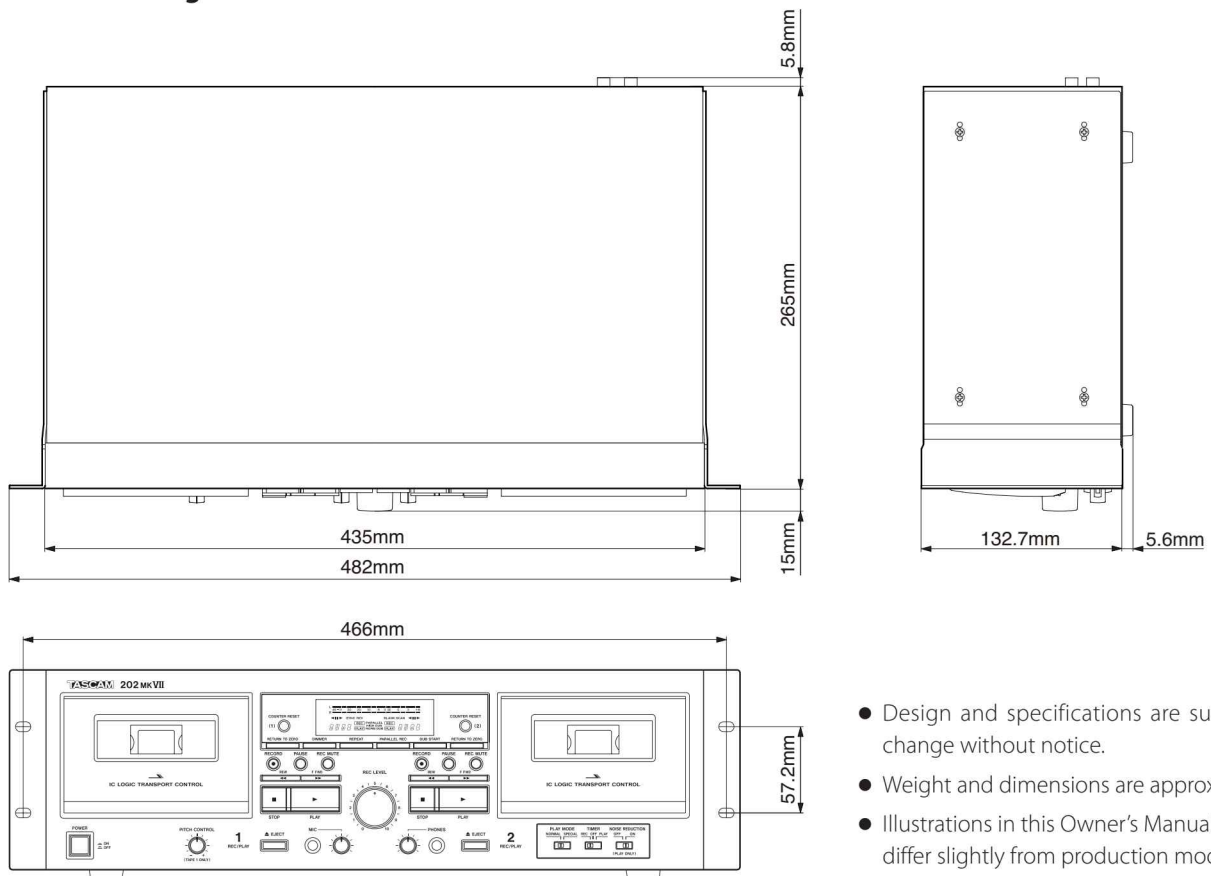
Remote control (RC-1331) × 1

Batteries for remote control (AA) × 2

Rackmount screw kit × 1

Owner's manual (this document, including warranty) × 1

Dimensional drawings



- Design and specifications are subject to change without notice.
- Weight and dimensions are approximate.
- Illustrations in this Owner's Manual might differ slightly from production models.