





YAMAHA KX-M5

Cassette Deck

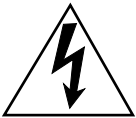
Platine Cassette

**OWNER'S MANUAL
MODE D'EMPLOI**

SAFETY INSTRUCTIONS

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>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.</p>		

• Explanation of Graphical Symbols



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert you 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 you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

<p>WARNING TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.</p>
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<p>IMPORTANT! Please record the serial number of this unit in the space below.</p> <p>Model: Serial No.:</p> <p>The serial number is located on the rear of the unit. Retain this Owner's Manual in a safe place for future reference.</p>

- 1 Read Instructions – All the safety and operating instructions should be read before the unit is operated.
- 2 Retain Instructions – The safety and operating instructions should be retained for future reference.
- 3 Heed Warnings – All warnings on the unit and in the operating instructions should be adhered to.
- 4 Follow Instructions – All operating and other instructions should be followed.
- 5 Water and Moisture – The unit should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
- 6 Carts and Stands – The unit should be used only with a cart or stand that is recommended by the manufacturer.

6A A unit and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit and cart combination to overturn.



- 7 Wall or Ceiling Mounting – The unit should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 8 Ventilation – The unit should be situated so that its location or position does not interfere with its proper ventilation. For example, the unit should not be situated on a bed, sofa, rug, or similar surface, that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- 9 Heat – The unit should be situated away from heat sources such as radiators, stoves, or other appliances that produce heat.
- 10 Power Sources – The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
- 11 Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.
- 12 Cleaning – The unit should be cleaned only as recommended by the manufacturer.
- 13 Nonuse Periods – The power cord of the unit should be unplugged from the outlet when left unused for a long period of time.
- 14 Object and Liquid Entry – Care should be taken so that objects do not fall into and liquids are not spilled into the inside of the unit.
- 15 Damage Requiring Service – The unit should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the unit; or
 - C. The unit has been exposed to rain; or
 - D. The unit does not appear to operate normally or exhibits a marked change in performance; or
 - E. The unit has been dropped, or the cabinet damaged.
- 16 Servicing – The user should not attempt to service the unit beyond those means described in the operating instructions. All other servicing should be referred to qualified service personnel.
- 17 Power Lines – An outdoor antenna should be located away from power lines.
- 18 Grounding or Polarization – Precautions should be taken so that the grounding or polarization is not defeated.

FCC INFORMATION (for US customers only)

1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices.

This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices.

Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Electronics Corp., U.S.A. 6660 Orangethorpe Ave, Buena Park, CA 90620.

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries.

We Want You Listening For A Lifetime

YAMAHA and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing. Since hearing damage from loud sounds is often undetectable until it is too late, YAMAHA and the Electronic Industries Association's Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels.



For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.

Note: The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

SPECIAL INSTRUCTIONS FOR U.K. MODEL

IMPORTANT:

The wire in the mains lead are coloured in accordance with the following code:

Blue: NEUTRAL

Brown: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. Making sure that neither core is connected to the earth terminal of the three pin plug.

ENGLISH


INTRODUCTION

Thank you for purchasing this YAMAHA product. We hope it will give you many years of trouble-free enjoyment. For the best performance, read this manual carefully. It will guide you in operating your YAMAHA product.

FEATURES

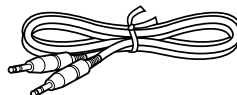
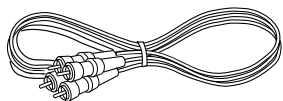
- High Quality Hard Permalloy Recording/ Playback Head
 - Dolby B Noise Reduction
 - Recording Mute Function
 - Auto Reverse Play
 - Rec Reverse function
- Remote control Capability
 - Automatic Synchronized Recording
 - Timer Play
 - Sleep Timer
 - Recording Using Timer

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

“DOLBY” and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

SUPPLIED ACCESSORIES

- Audio connecting cords
- System cable



CONTENTS

PRECAUTIONS	3	OPERATIONS	
IDENTIFICATION OF COMPONENT		Playback	7
Front panel	4	Recording	8
Rear panel	4	CD synchronized recording	10
GETTING STARTED		ADDITIONAL INFORMATION	
Connecting the unit to the CRX-M5	5	Notes about cassette tapes	11
Using the remote control transmitter		Maintenance	12
of the CRX-M5	6	Troubleshooting	12
Turning on/off the unit	6	Specifications	13

CAUTIONS

- To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
- Install your unit in good ventilation, a cool, dry, clean place – away from windows, heat sources, vibration, dust, moisture, or cold. To avoid humming sounds, locate the unit away from other electrical appliances, motors, and transformers. To prevent fire or electrical shock, do not expose to rain and water.
- Do not operate the unit upside-down. It may overheat, possibly causing damage.
- Never open the cabinet. If something drops into the set, contact your dealer.
- Do not use force on switches, knobs or cords.
- When not planning to use this unit for long periods of time (i.e., vacation, etc.), disconnect the AC power plug from the wall outlet.
- Grounding or polarization – Precautions should be taken so that the grounding or polarization of the unit is not defeated.
- Do not clean the unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.
- Be sure to read the “TROUBLESHOOTING” section on common operating errors before concluding that your unit is faulty.
- Do not place another component on top of this unit, as damage or discoloration on the surface of the unit may result.
- To prevent damage by lightning, disconnect the power cord from the wall outlet during an electrical storm.
- When disconnecting the power cord from the wall outlet, grasp the plug; do not pull the cord.
- Do not plug the AC power plug to the wall outlet before you finish all connections.
- The voltage to be used must be the same as that specified on this unit. Using this unit with a higher voltage than that which is specified is dangerous and may result in a fire or other type of accident causing damage. YAMAHA will not be held responsible for any damage resulting from use of this unit with a voltage other than that which is specified.
- Keep this manual in a safe place for future reference.

- Never allow metallic items (e. g. screwdrivers, tools, etc.) to come near the record/playback head assembly. Doing so may not only scratch or damage the head’s mirror-smooth finish, but also change the magnetic characteristics of the heads, causing a deterioration in reproduction quality.
- Although the record/playback head used in this unit is a high quality head with outstanding reproduction characteristics, it can become dirty through the use of old tapes or from dust accumulation over time.
This can have a serious effect on reproduction quality.
Clean the heads regularly with one of the commonly available head cleaners or with cleaning solutions as explained later in this manual.

WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

This unit is not disconnected from the AC power source as long as it is connected to the wall outlet, even if this unit itself is turned off. This state is called the standby mode. In this state, this unit is designed to consume a very small quantity of power.

FOR CANADIAN CUSTOMERS

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.

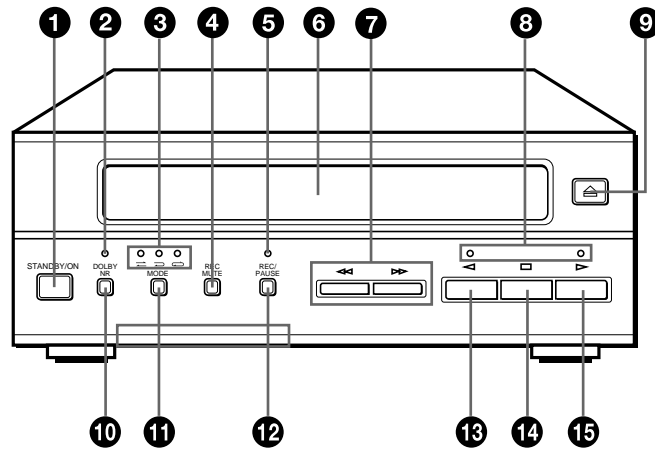
THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.

NOTE

Please check the copyright laws in your country to record from records, compact discs, radio, etc. Recording of copyright material may infringe copyright laws.

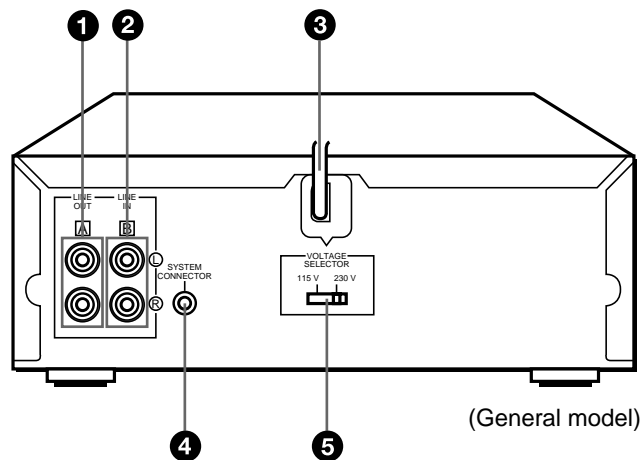
IDENTIFICATION OF COMPONENT

FRONT PANEL



- ❶ STANDBY/ON switch (6)
- ❷ DOLBY NR indicator (7)
- ❸ MODE indicators (7)
- ❹ REC MUTE button (9)
- ❺ REC indicator (9)
- ❻ Cassette tape tray (7)
- ❼ ◀▶ (search) buttons (8)
- ❽ Playback direction indicators (7)
- ❾ △ (eject) button (7)
- ❿ DOLBY NR button (7)
- ⓫ MODE switch (7)
- ⓬ REC/PAUSE button (9)
- ⓭ ◀ (reverse play) button (7)
- ⓮ ■ (stop) button (7)
- ⓯ ▶ (forward play) button (7)

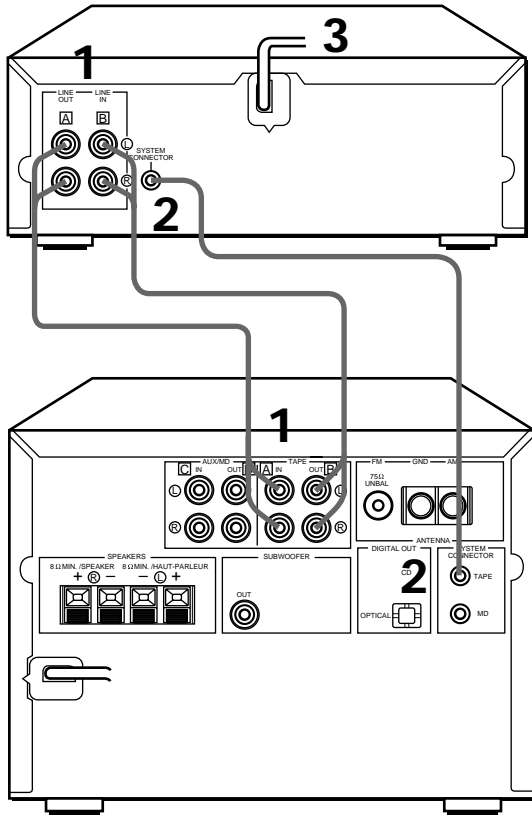
REAR PANEL



- ❶ LINE OUT jacks (5)
 - ❷ LINE IN jacks (5)
 - ❸ AC power cord (5)
 - ❹ SYSTEM CONNECTOR jack (5)
 - ❺ VOLTAGE SELECTOR switch (3) (General model only)
- (General model)

Connecting the unit to the CRX-M5

Never plug the AC power cord into the wall outlet until all other connections are completed.
Follow the steps as shown below to connect the unit to the CRX-M5 using the supplied cords and accessories.

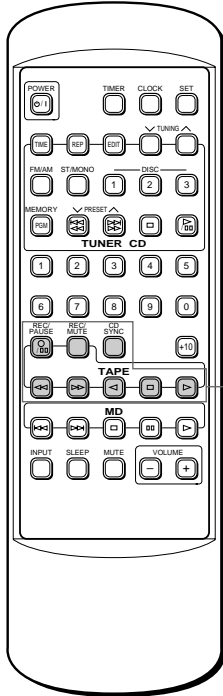


- 1** Connect **A** to **A**, and **B** to **B** using the audio connecting cords.
Insert the plugs into the jacks of the same color.
 - The two audio connecting cords are the same, so you can connect **A** or **B** using either cord.
- 2** Connect the unit and the CRX-M5 with the system cable.
- 3** Connect the AC power cord to a wall outlet.

Using the remote control transmitter of the CRX-M5

You can operate the unit with the remote control transmitter of the CRX-M5 when you connect the unit and the CRX-M5 with the system cable.

Operating buttons work as follow:

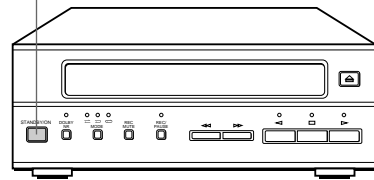


Buttons for operation of the unit

- ▶: To play back
- ◀: To playback bottom side
- : To stop playback
- ◀◀/▶▶: To searching, fast-forward, and rewind
- REC/PAUSE: To recording
- REC MUTE: To make the non-recorded portion

Turning on/off the unit

STANDBY/ON

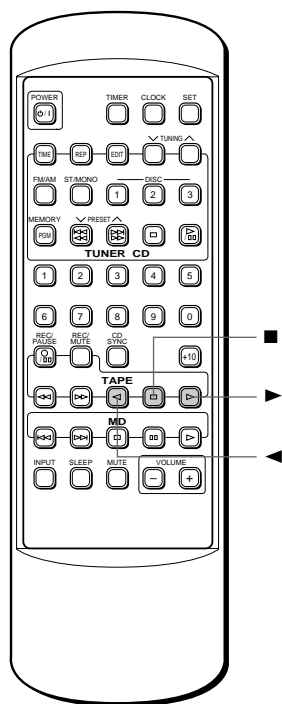
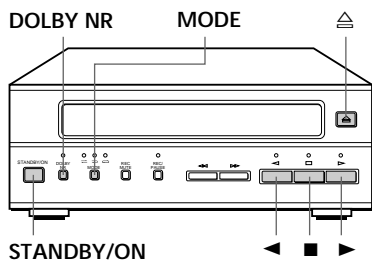


After connecting the AC power cord to the wall outlet, press the STANDBY/ON switch on the front panel to turn on/off the unit. When you turn off the CRX-M5, the unit turns off automatically as it is connected to the CRX-M5 with the system cable.

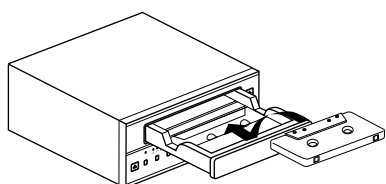
For more details on the remote control transmitter, see the instructions of the CRX-M5.

Playback

You can use any type of tape, TYPE I (normal), TYPE II (CrO₂), or TYPE IV (metal), since the unit automatically detects the tape type.



- 1 Press STANDBY/ON to turn on the unit and CRX-M5.
- 2 Set the CRX-M5 to cassette deck function mode.
- 3 Press \triangle to open the tape tray and place a recorded tape on the tray.



With the side you want to play facing up

- 4 Press \triangle to close the tape tray.
- 5 Press DOLBY NR to set the DOLBY NR* function to ON (DOLBY NR indicator lights up) or OFF (DOLBY NR indicator goes out).

OFF: For a tape recorded with DOLBY NR OFF.
ON: For a tape recorded with DOLBY NR ON.

- 6 Press MODE to select the reverse mode. Each time you press MODE, the reverse mode changes and the corresponding MODE indicator lights up as follows:

\rightleftarrows : One side of the tape is played back.



\rightleftarrows : Both sides of the tape are played back.



\rightleftarrows : Both sides of the tape are played back repeatedly.

- 7 Press \blacktriangleright to start play. Press \blacktriangleleft to play the bottom side. Selected tape direction indicator lights up.

* DOLBY NR (Dolby Noise Reduction) is an extremely effective method of reducing undesirable background hiss on tapes. The unit incorporates the DOLBY B NR system.

To stop play

Press \blacksquare .

To eject a tape

Press \triangle to open the tape tray and remove the tape from the tray.

To adjust the volume level

Use the volume control of the CRX-M5.

When you connect the unit to the CRX-M5

- You can switch from another source to the tape deck just by pressing ► or ◀ (One touch play).
- Using the timer function on the CRX-M5, you can play or stop a tape at a prefer time. For details, refer the instructions of the CRX-M5.
- When you turn off the CRX-M5, the unit turns off automatically.

To fast-forward or rewind the tape

Press ►► or ◀◀ to fast-forward the tape or rewind the tape during stop mode.

To search for the beginning of a track

When the tape direction indicator ► lights up

Press ►► to search for the beginning of the next track and ◀◀ to search for the beginning of the current track during play mode.

When the tape direction indicator ◀ lights up

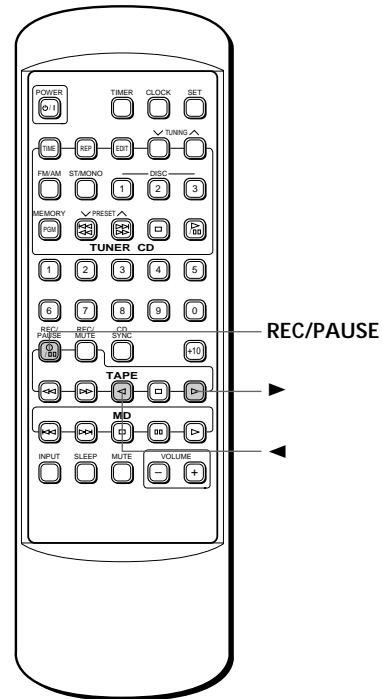
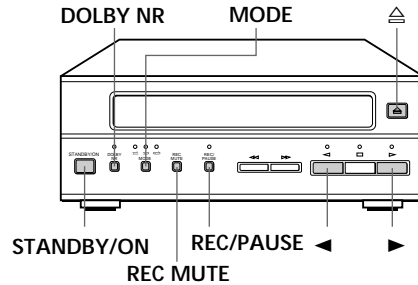
Press ◀◀ to search for the beginning of the next track and ►► to search for the beginning of the current track during play mode.

Notes

- The blank interval between selections must be at least 4 seconds long.
- Searching function may not operate properly with tapes recorded at a low recording level or which have excessive noise.
- When you play the beginning part or end part of the tape, the search function may not work correctly.

Recording

You can use a TYPE I (normal) or TYPE II (CrO₂) tape for recording.



- 1 Press STANDBY/ON to turn on the unit and CRX-M5.
- 2 Set the CRX-M5 to play mode for the source you want record from and set the CRX-M5 to recording mode for the cassette deck.
- 3 Press ◀ to open the tape tray and place a blank tape on the tray.

- 4 Press \triangle to close the tape tray.
- 5 Press DOLBY NR to set the DOLBY NR function to ON (DOLBY NR indicator lights up) or OFF (DOLBY NR indicator goes out).

OFF: For recording with DOLBY NR OFF.

ON: For recording with DOLBY NR ON.

- 6 Press MODE to select the reverse mode. Each time you press MODE, the reverse mode changes and the corresponding MODE indicator lights up as follows:

\rightleftarrows : One side of the tape is recorded.



\rightarrow , \leftarrow : Both sides of the tape are recorded.

- 7 Press REC/PAUSE. The unit stands by for recording and the REC indicator flashes.
- 8 Press \blacktriangleright . Recording starts and the tape direction indicator \blacktriangleright lights up. If you want to record starting from the bottom side, press \blacktriangleleft so that the tape direction indicator \blacktriangleleft lights up.
- 9 Start playing on the source component.

To stop recording

Press \blacksquare .

To pause recording

Press REC/PAUSE.

To resume recording, press REC/PAUSE again.

Note

- When you want to reduce the hiss noise in low-level high-frequency signals, set DOLBY NR to ON.
- When you record on the bottom side of the tape, the unit stops recording after complete recording the bottom side of the tape regardless of the reverse mode setting in step 6 above.

To insert a blank space during recording

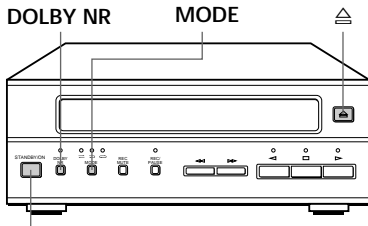
Press REC MUTE during recording or Rec/Pause mode.

A 4 seconds blank interval is automatically recorded on the tape and then the unit enters Rec/Pause mode.

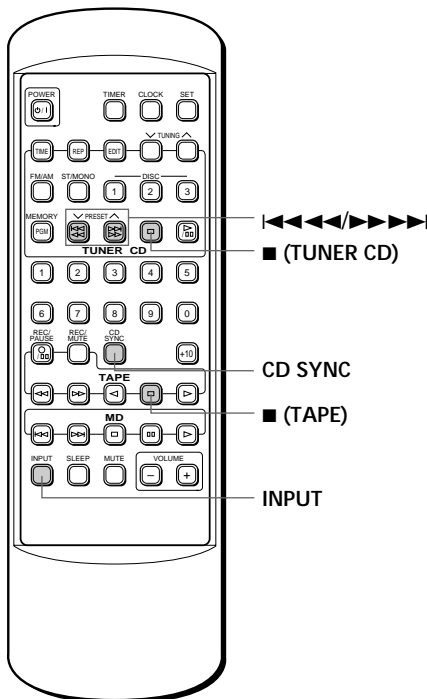
To resume recording, press REC/PAUSE.



CD synchronized recording

When you connect the unit to the CRX-M5, you can easily record a CD on a tape. You can use a TYPE I (normal) or TYPE II (CrO₂) tape for recording.



STANDBY/ON




- 1 Press STANDBY/ON to turn on the unit .
- 2 Press  to open the tape tray and place a blank tape on the tray.
- 3 Press  to close the tape tray.
- 4 Press DOLBY NR to set the DOLBY NR function to ON (DOLBY NR indicator lights up) or OFF (DOLBY NR indicator goes out).



OFF: For recording with DOLBY NR OFF.



ON: For recording with DOLBY NR ON.

- 5 Press MODE to select the reverse mode. Each time you press MODE, the reverse mode changes and corresponding MODE indicator lights up as follows:


 : One side of the tape is recorded.



,  : Both sides of the tape are recorded.

- 6 Set the desired CD in the CRX-M5 and press INPUT to select CD.
- 7 Press CD SYNC.
- 8 Press ,  so that "CD → TAPE" appears in the display of the CRX-M5.
- 9 Press CD SYNC. The unit starts CD play from the beginning of the disc and the unit starts recording automatically. You can record a CD in various modes. For details, refer the instructions of the CRX-M5.

To stop CD synchronized recording

Press  (TUNER CD) or  (TAPE).

Notes

- You can edit the tracks on a CD to be recorded so that they will fit onto the tape with the least amount of unrecorded space remaining at the end of each side of the tape using Automatic editing function of the CRX-M5.
- When the tape becomes full in the middle of the recording, each unit stops.
- Adjusting the VOLUME control of the CRX-M5 has no effect on the recorded sound.

Notes about cassette tapes

Cassette tapes

There are many different types of cassette tapes available. However, they all conform to standard specifications so any brand may be used with the unit.

- **Classification of Cassette Tapes by Formulation:**
Cassette tapes are available in four basic types depending of their formulation, or type of magnetic material and manufacturing process. These four types are commonly known as Normal (TYPE I/ NORM), Chrome (TYPE II/HIGH $\langle\text{CrO}_2\rangle$), Ferrichrome (TYPE III/HIGH $\langle\text{FeCr}\rangle$), and Metal (TYPE IV/METAL), and they each require a specific tape deck.
- * YAMAHA does not recommend the use of 120 minute length cassettes since the extreme thinness of the tape makes them susceptible to mechanical and recording problems.

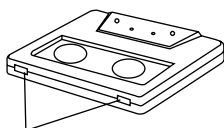
Auto tape selector detection slots

The unit has a built-in Auto Tape Selector which automatically adjusts for the proper bias, level, and equalization according to the tape formulation – all you have to do is to load a cassette and the Auto Tape Selector does the rest.

The Auto Tape Selector determines which type of tape is loaded by sensing detect slots in the top of the tape shell. Each tape formulation has its own characteristic hole markings standardized by the tape industry.

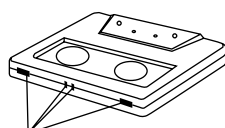
- Early model Metal tape formulation cassette shells do not have the slots for Auto Tape selector operation. As a result, early model Metal type tapes recorded on another deck will be played back with the unit at the Chrome settings. YAMAHA does not recommend using this kind of tape.
- The unit does not have the required setting for Ferrichrome tape, since this tape formulation is not widely used. Should you use a Ferrichrome tape, it will be recorded and played back at the Normal settings which will result in an unnatural high frequency emphasis.

TYPE II



Detector slots

TYPE IV

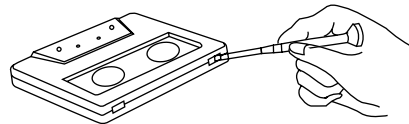


Detector slots

Protecting your recordings

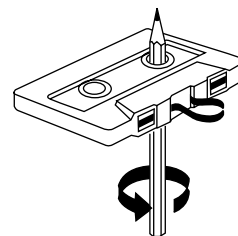
All cassette tapes are provided with erasure protection holes to prevent accidental erasure of recorded contents. There is a small tab covering the hole on each side of the cassette, and it should be broken off after recording the tape. Without this tab covering the hole, it is impossible to record onto that tape. Thus, you can safely protect a recording for as long as you wish without fear of accidental erasure. Should you wish to use a cassette tape protected in this way for recording, simply covering the hole with adhesive tape will permit erasure and re-recording.

- When using Chrome or Metal tapes, make sure you do not cover the hole intended for the Auto Tape Selector operation.



Taking up slack in the tape

As a precaution against tape entanglement and damage, remove any slack in the tape before inserting cassettes into the deck. This is accomplished by inserting a pencil, pen, or similar object into one of the spools and gently winding it until all the slack is removed. You do not have to wind it too tightly. Be careful not to touch the tape part itself. It is very delicate and touching it may damage the tape and its recorded contents.



Storing cassettes

After putting a cassette tape back into its case, store it in a location away from exposure to direct sunlight, humidity, high temperatures, and magnetic fields (away from television sets, speakers, etc.). High temperatures and humidity will damage the tape itself, while exposure to magnetic fields may cause a loss of recorded material. Avoid touching the tape surface with your finger, since dirt or finger oil will contaminate the deck's heads.

Maintenance

Internal care

- Dirty heads, capstans, and pinch rollers can cause poor sound and tape jams.
Clean these parts with a commercially available cleaning tape.
- After long use, the deck's heads and capstans may become magnetized, causing poor sound. Demagnetize these parts once every 30 hours of playing/recording time by using a commercially available tape head demagnetizer. Read the demagnetizer's instructions carefully before use.

Troubleshooting

If the unit fails to operate normally, check the following points to determine whether the fault can be corrected by the simple measures suggested. If it cannot be corrected, or if the fault is not listed in the SYMPTOM column, disconnect the power cord and contact your authorized YAMAHA dealer or service center for help. When taking the service, the CRX-M5 may be needed. For details, contact your authorized YAMAHA dealer or service center.

SYMPTOM	CAUSE	REMEDY
The unit does not work normally.	There is an influence of strong external noise (lightning, excessive static electricity, etc.) or a misoperation was performed while using the unit.	Turn the unit off and disconnect the AC power from the wall outlet. After about 30 seconds have passed, connect the power and try again.
Tape does not move during playback or recording.	Slack tape wrapped around pinch roller.	Take up slack with a pencil before using.
Cannot record	Erase prevention tab is broken off.	Replace tape or cover erase prevention hole with adhesive tape.
	Head is dirty.	Clean heads.
Sound is distorted or fades out.	Head is dirty.	Clean heads.
	Head has become magnetized.	Demagnetize heads with head eraser.
	Tape is worn.	Replace the tape.
Poor sound quality.	Tape encoded with DOLBY NR is played back with the unit's DOLBY NR OFF.	Set DOLBY NR to ON.
Stereo balance is poor.	Head is dirty.	Clean heads.
Excessive noise.	Head is dirty.	Clean heads.
	Head has become magnetized.	Demagnetize heads with head eraser.
	Tape is worn.	Replace the tape.
Tape travel stops in middle of playback or recording.	Slack tape coming out of cassette shell.	Take up slack by turning reels with a pencil.
	Tape is worn.	Replace the tape.
	Endless tape is being used.	Do not use endless tapes.
The CD synchronized recording function does not work.	System cable is not connected.	Connect the unit and the CRX-M5 with the system cable firmly.
Cannot search for the beginning of desired track of the tape.	Silent gaps between tracks are too short.	The function of searching for the beginning of a desired track does not operate unless the silent gaps between tracks are at least four seconds long.
	Excessively soft passages in the middle of selections.	
	Conversation, or noise, etc., is recorded.	

Specifications

As a part of policy of continuous improvement, YAMAHA reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production.

Type Auto reverse 4-track, 2-channel
 recording and playback stereo cassette deck

Heads
 Recording/playback Hard permalloy x 1
 Erase Double-gap Ferrite x 1

Tape speed 4.76 cm/sec

Noise reduction Dolby B type NR

General

Power supply
 [U.S.A. and Canada models] AC 120 V, 60 Hz
 [Australia model] AC 240 V, 50 Hz
 [U.K., Europe, and Singapore models] AC 230 V, 50 Hz
 [General model] AC 115/230 V, 60/50 Hz

Power consumption 13 W

Dimensions (W x H x D) 200 x 75 x 312 mm

Weight 2.6 kg



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