

FM/MW/SW Cassette Car Stereo

Operating Instructions _____

GB

© 2000 Sony Corporation _____

CT

For installation and connections, see the supplied installation/connections manual.

^Û•æ~™ ¶w À§Ç u Û s±µ°A - -@E¥£@-
™ °§¶w À° u Û s±µ°@°Æ°@°C

XR-C5604X XR-4954X

Welcome !

Thank you for purchasing this Sony Cassette Player. This unit lets you enjoy a variety of features using the following controller accessory:

Supplied accessory

Card remote commander RM-X74
(XR-C5604X only)

Optional accessory

Rotary commander RM-X4S

XR-C5604X only:

In addition to the cassette playback and radio operations, you can expand your system by connecting an optional CD/MD unit*¹.

When you operate this unit or a connected optional CD unit with the CD TEXT function, the CD TEXT information will appear in the display when you play a CD TEXT disc*².

*¹ You can connect a CD changer, an MD changer, a CD player, or an MD player.

*² A CD TEXT disc is an audio CD that includes information such as the disc name, artist name, and track names.
This information is recorded on the disc.

Precautions

- If your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- If no power is being supplied to the unit, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of a two-speaker system, set the fader control to the centre position.
- When a tape is played back for a long period, the cassette may become warm because of the built-in power amplifier. However, this is not a sign of malfunction.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

To maintain high quality sound

If you have drink holders near your audio equipment, be careful not to splash juice or other soft drinks onto the car audio. Sugary residues on this unit or cassette tapes may contaminate the playback heads, reduce the sound quality, or prevent sound reproduction altogether.

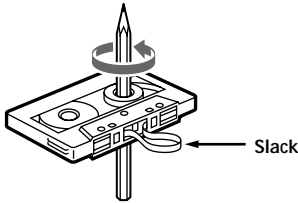
Cassette cleaning kits cannot remove sugar from the tape heads.



Notes on Cassettes

Cassette care

- Do not touch the tape surface of a cassette, as any dirt or dust will contaminate the heads.
- Keep cassettes away from equipment with built-in magnets such as speakers and amplifiers, as erasure or distortion on the recorded tape could occur.
- Do not expose cassettes to direct sunlight, extremely cold temperatures, or moisture.
- Slack in the tape may cause the tape to be caught in the machine. Before you insert the tape, use a pencil or similar object to turn the reel and take up any slack.



- Distorted cassettes and loose labels can cause problems when inserting or ejecting tapes. Remove or replace loose labels.



- The sound may become distorted while playing the cassette. The cassette player head should be cleaned after each 50 hours of use.

Cassettes longer than 90 minutes

The use of cassettes longer than 90 minutes is not recommended except for long continuous play. The tape used for these cassettes is very thin and tends to stretch easily. Frequent playing and stopping of these tapes may cause them to become entangled in the cassette deck mechanism.

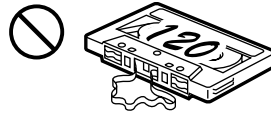


Table of Contents

This Unit Only

Location of controls	5
----------------------------	---

Getting Started

Resetting the unit	7
Detaching the front panel	7
Turning the unit on/off	8
How to use the menu	8
Setting the clock	9

Cassette Player

Listening to a tape	10
Playing a tape in various modes	11

Radio

Memorising stations automatically	
— Best Tuning Memory (BTM)	12
Memorising only the desired stations	12
Receiving the memorised stations	12

Other Functions

Labelling the rotary commander	14
Using the rotary commander	14
Adjusting the sound characteristics	16
Attenuating the sound	16
Changing the sound and display settings	16
Boosting the bass sound	
— D-bass	17

With Optional Equipment

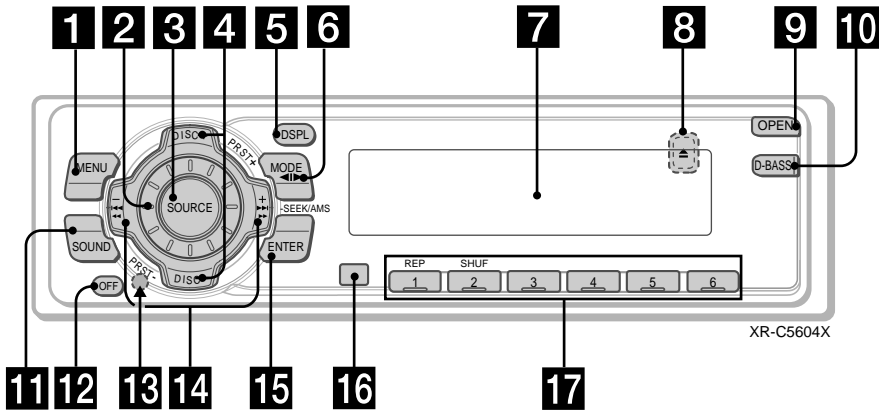
CD/MD Unit (XR-C5604X only)

Playing a CD or MD	17
Playing tracks repeatedly	
— Repeat Play	19
Playing tracks in random order	
— Shuffle Play	19

Additional Information

Maintenance	19
Dismounting the unit	20
Specifications	21
Troubleshooting guide	22

Location of controls



Refer to the pages listed for details.

1 MENU button 9, 11, 12, 13, 16, 18

2 Volume control dial

3 SOURCE (TUNER/TAPE/CD*/MD*) button 8, 10, 12, 17

4 XR-C5604X:
PRST/DISC +/- (cursor up/down) buttons
8, 9, 11, 12, 13, 16, 18

XR-4954X:
PRST +/- (cursor up/down) buttons
8, 9, 11, 12, 13, 16, 18

During radio reception:
Preset stations select 12

During CD/MD playback*¹:
Disc change 18

5 DSPL (display mode change) button*¹
11, 17, 18

6 MODE button 10, 11, 12, 17

During tape playback:
Playback direction change 10

During radio reception:
BAND select 12

During CD/MD playback*¹:
CD/MD unit select 17

7 Display window

8 ▲ (eject) button (located on the front side of the unit behind the front panel) 10

9 OPEN button 7, 10, 20

10 D-BASS button 17

11 SOUND button 16

12 OFF button*² 7, 8, 10

13 Reset button (located on the front side of the unit behind the front panel) 7

14 SEEK/AMS +/- (cursor left/right) buttons
8, 9, 10, 11, 12, 13, 16, 18
Seek 13
Automatic Music Sensor 10, 18
Manual search 13, 18

15 ENTER button 9, 11, 12, 13, 16, 18

16 Receptor for the card remote commander*¹

17 Number buttons
During radio reception:
Preset number select 12
During tape playback:

① REP 11

During CD/MD playback*¹:

① REP 19

② SHUF 19

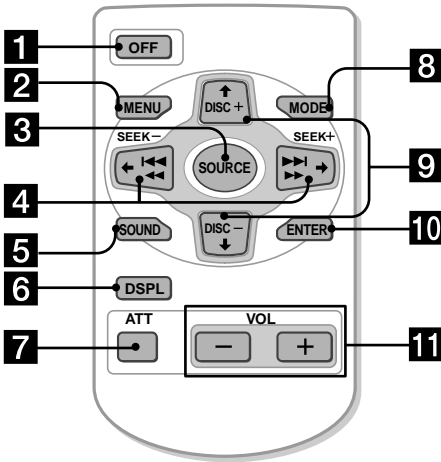
*¹ XR-C5604X only

*² **Warning when installing in a car without ACC (accessory) position on the ignition key switch**

Be sure to press (OFF) on the unit for two seconds to turn off the clock display after turning off the engine.

When you press (OFF) only momentarily, the clock display does not turn off and this causes battery wear.

**Card remote commander RM-X74
(XR-C5604X only)**



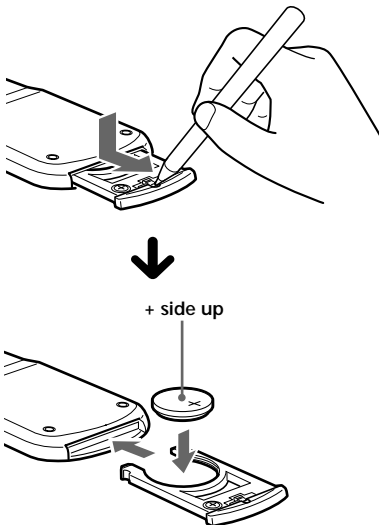
The corresponding buttons of the card remote commander control the same functions as those on this unit.

- 1 OFF button
- 2 MENU button
- 3 SOURCE button
- 4 SEEK/AMS (cursor $\leftarrow\rightarrow$) button
- 5 SOUND button
- 6 DSPL button
- 7 ATT button
- 8 MODE button
- 9 DISC/PRST (cursor \uparrow/\downarrow) button
- 10 ENTER button
- 11 VOL button

A unit turned off by pressing (OFF) for two seconds cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed or a cassette is inserted to activate the unit first.

Replacing the lithium battery

When the battery becomes weak, the range of the card remote commander becomes shorter. Replace the battery with a new CR2025 lithium battery.



Notes on lithium battery

- Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.

WARNING

Battery may explode if mistreated. Do not recharge, disassemble, or dispose of in fire.

Getting Started

Resetting the unit

Before operating the unit for the first time or after replacing the car battery, you must reset the unit.

Remove the front panel and press the reset button with a pointed object, such as a ballpoint pen.



Reset button

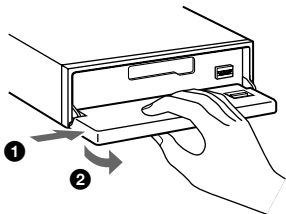
Note

Pressing the reset button will erase the clock setting, preset memory and some memorised functions.

Detaching the front panel

You can detach the front panel of this unit to protect the unit from being stolen.

- 1 Press **OFF**.
- 2 Press **OPEN**, then slide the front panel to the right side, and pull out from the left side.

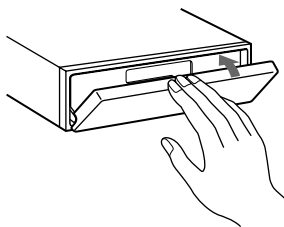
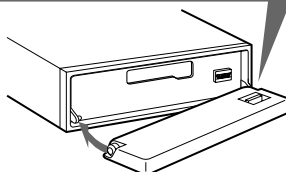
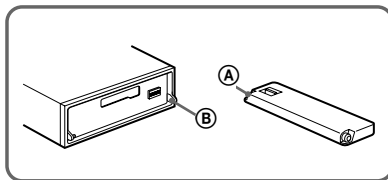


Notes

- Be sure not to drop the panel when detaching it from the unit.
- If you detach the panel while the unit is still turned on, the power will turn off automatically to prevent the speakers from being damaged.
- When you carry the front panel with you, use the supplied front panel case.

Attaching the front panel

Place the hole **A** of the front panel onto the spindle **B** on the unit as illustrated, then push the left side in.



Notes

- Be careful not to attach the front panel upside down.
- Do not press the front panel too hard against the unit when attaching it.
- Do not press too hard or put excessive pressure on the display window of the front panel.
- Do not expose the front panel to direct sunlight or heat sources such as hot air ducts, and do not leave it in a humid place. Never leave it on the dashboard of a car parked in direct sunlight or where there may be a considerable rise in temperature.

Caution alarm

If you turn the car ignition off without removing the front panel, the caution alarm will beep for a few seconds.

If you connect an optional power amplifier and do not use the built-in amplifier, the beep sound will be deactivated.

Turning the unit on/off

Turning on the unit

Press **(SOURCE)** or insert a cassette in the unit.
For details on operation, refer to page 10 (cassette player) and page 12 (radio).

Turning off the unit

Press **(OFF)** to stop tape playback or FM/MW/SW reception (the key illumination and display remains on.)

Press **(OFF)** for two seconds to completely turn off the unit.

Note

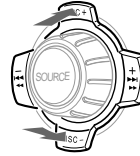
If your car has no ACC position on the ignition key switch, be sure to turn the unit off by pressing **(OFF)** for two seconds to avoid car battery wear.

How to use the menu

This unit is operated by selecting items from a menu.

To select, first enter the menu mode and choose up/down (+/- of **(PRST/DISC)** or **(PRST)**), or choose left/right (-/+ of **(SEEK/AMS)**).

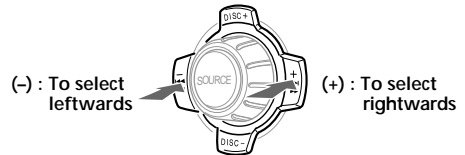
(PRST/DISC) / **(PRST)**



(+) : To select upwards

(-) : To select downwards

(SEEK/AMS)



(-) : To select leftwards

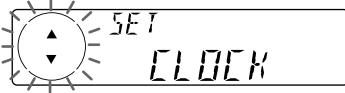
(+) : To select rightwards

Setting the clock

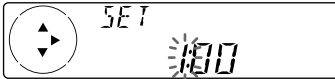
The clock uses a 12-hour digital indication.

Example: To set the clock to 10:08

- 1 Press **(MENU)**, then press either side of **(PRST/DISC)** or **(PRST)** repeatedly until "CLOCK" appears.



- 1 Press **(ENTER)**.



The hour indication flashes.

- 2 Press either side of **(PRST/DISC)** or **(PRST)** to set the hour.

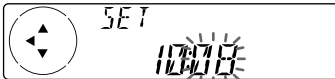


- 3 Press **(+)** side of **(SEEK/AMS)**.



The minute indication flashes.

- 4 Press either side of **(PRST/DISC)** or **(PRST)** to set the minute.



- 2 Press **(ENTER)**.



The clock starts.

After the clock setting is complete, the display returns to normal playback mode.

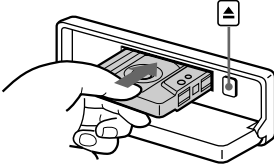
Tip

When the D.INFO mode is set to ON, the time is always displayed (page 16).

Cassette Player

Listening to a tape

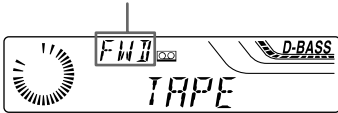
- 1 Press **OPEN** and insert a cassette. Playback starts automatically.



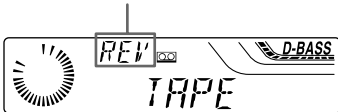
- 2 Close the front panel.

If a cassette is already inserted, to start playback, press **SOURCE** repeatedly until “FWD” or “REV” appears.

The side facing up is played.



The side facing down is played.



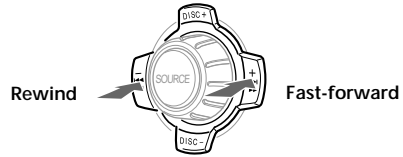
Tip

To change the tape's playback direction, press **MODE** (◀▶).

To	Press
Stop playback	OFF
Eject the cassette	OPEN then ▲

Fast-winding the tape

During playback, press and hold either side of **SEEK/AMS**.



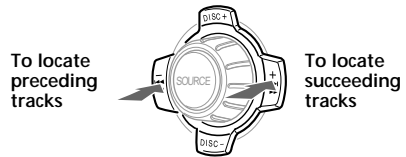
To start playback during fast-forwarding or rewinding, press **MODE** (◀▶).

Locating a specific track

— Automatic Music Sensor (AMS)

During playback, press either side of **SEEK/AMS** momentarily for each track you want to skip.

You can skip up to nine tracks at one time.



Note

The AMS function may not work when:

- the blanks between tracks are shorter than four seconds
- there is noise between tracks
- there are long sections of low volume or quiet sections.

In the Motion Display mode, all the items are scrolled in the display one by one in order.

Tip

The Motion Display mode can be turned off. (See “Changing the sound and display settings” on page 16).

Playing a tape in various modes

You can play the tape in various modes:

- REP (Repeat Play) repeats the current track.
- BL SKP (Blank Skip) skips blanks longer than eight seconds.
- ATA (Automatic Tuner Activation) turns on the tuner automatically when fast-winding the tape.

1 During playback, press (MENU).

2 Press either side of (PRST/DISC) or (PRST) repeatedly until the desired item appears.

Each time you press (-) side of (PRST/DISC) or (PRST), the item changes as follows:

BL SKP → ATA



3 Press (+) side of (SEEK/AMS) to select "ON."



Play mode starts.

4 Press (ENTER).

To return to normal playback mode, select "OFF" in step 3.

Tip

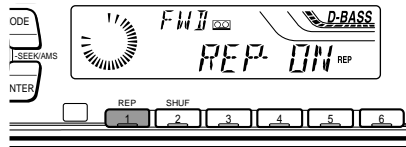
While the ATA function is activated, the display (TAPE ↔ TUNER) can be changed by pressing (DSP/L) (for the XR-4954X only on the optional rotary commander).

Playing tracks repeatedly

— Repeat Play

During playback, press (1) (REP) repeatedly until "REP-ON" in the display appears.

REP-ON ↔ REP-OFF



Repeat Play starts.

To return to normal playback mode, select "REP-OFF."

Tip

During repeat playback, press (MODE). "REP" disappears from the display and repeat mode is cancelled.

Radio

Memorising stations automatically

— Best Tuning Memory (BTM)

The unit selects the stations with the strongest signals and memorises them in the order of their frequencies. You can store up to 6 stations on each band (FM1, FM2, FM3, MW, SW1 and SW2).

Caution

When tuning in stations while driving, use Best Tuning Memory to prevent accidents.

- 1 Press **(SOURCE)** repeatedly to select the tuner.
Each time you press **(SOURCE)**, the source changes as follows:



* If the corresponding optional equipment is not connected, this item will not appear (XR-C5604X only).

- 2 Press **(MODE)** repeatedly to select the band.
Each time you press **(MODE)**, the band changes as follows:



- 3 Press **(MENU)**, then press either side of **(PRST/DISC)** or **(PRST)** repeatedly until "BTM" appears.
- 4 Press **(ENTER)**.
The unit stores stations in the order of their frequencies on the number buttons.
A beep sounds when the setting is stored.

Notes

- The unit does not store stations with weak signals. If only a few stations can be received, some number buttons will retain their former setting.
- When a number is indicated in the display, the unit starts storing stations from the one currently displayed.

Memorising only the desired stations

You can preset up to 18 FM stations (6 each for FM1, 2, and 3), up to 6 MW stations, and up to 12 SW stations (6 each for SW1 and 2) in the order of your choice.

- 1 Press **(SOURCE)** repeatedly to select the tuner.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press either side of **(SEEK/AMS)** to tune in the station that you want to store on the number button.
- 4 Press the desired number button (**(1)** to **(6)**) until "MEM" appears.
The number button indication appears in the display.

Note

If you try to store another station on the same number button, the previously stored station will be erased.

Receiving the memorised stations

- 1 Press **(SOURCE)** repeatedly to select the tuner.
- 2 Press **(MODE)** repeatedly to select the band.
- 3 Press the number button (**(1)** to **(6)**) on which the desired station is stored.

Tip

Press either side of **(PRST/DISC)** or **(PRST)** to receive the stations in the order they are stored in the memory (Preset Search Function).

If you cannot tune in a preset station

Press either side of **(SEEK/AMS)** to search for the station (automatic tuning). Scanning stops when the unit receives a station. Press either side of **(SEEK/AMS)** repeatedly until the desired station is received.

Note

If the automatic tuning stops too frequently, press **(MENU)**, then press either side of **(PRST/DISC)** or **(PRST)** repeatedly until "LOCAL" (local seek mode) is displayed. Then press (+) side of **(SEEK/AMS)** to select "LOCAL-ON." Press **(ENTER)**. During local reception and station selection, "L.SEEK" appears in the display. Only the stations with relatively strong signals will be tuned in.

Tip

If you know the frequency of the station you want to listen to, press and hold either side of **(SEEK/AMS)** until the desired frequency appears (manual tuning).

If FM stereo reception is poor

— Monaural Mode

1 During radio reception, press **(MENU)**, then press either side of **(PRST/DISC)** or **(PRST)** repeatedly until "MONO" appears.

2 Press (+) side of **(SEEK/AMS)** until "MONO-ON" appears.
The sound improves, but becomes monaural ("ST" disappears).

3 Press **(ENTER)**

To return to normal mode, select "MONO-OFF" in step 2.

If FM stereo broadcast becomes monaural

If interference occurs, the "IF AUTO" function of this unit will automatically avoid noise and narrow the reception frequency. In such cases, some FM stereo broadcasts may become monaural. If you would like to listen to such broadcasts in stereo, manually switch to the "WIDE" setting.

1 During radio reception, press **(MENU)**, then press either side of **(PRST/DISC)** or **(PRST)** repeatedly until "IF AUTO" appears.

2 Press (+) side of **(SEEK/AMS)** until "WIDE" appears.

3 Press **(ENTER)**

Note

When you widen the frequency signal reception setting ("WIDE" mode), some interference may occur.

In the Motion Display mode, all the items are scrolled in the display one by one in order.

Tip

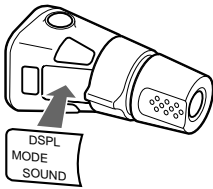
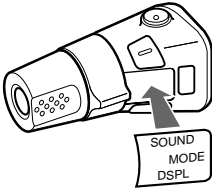
The Motion Display mode can be turned off. (See "Changing the sound and display settings" on page 16).

Other Functions

You can also control this unit with the rotary commander (optional).

Labelling the rotary commander

Depending on how you mount the rotary commander, attach the appropriate label as shown in the illustration below.



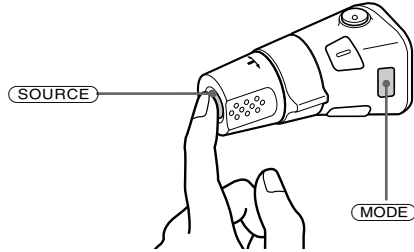
Using the rotary commander

The rotary commander works by pressing buttons and/or rotating controls.

XR-C5604X only:

You can also control the optional CD or MD units with the rotary commander.

By pressing buttons (the SOURCE and MODE buttons)



Each time you press **SOURCE**, the source changes as follows:

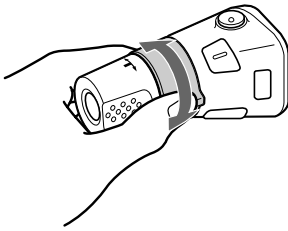
TUNER → CD* → MD* → TAPE

Pressing **MODE** changes the operation in the following ways;

- Tuner : FM1 → FM2 → FM3 → MW → SW1 → SW2
- Tape : playback direction
- CD unit* : CD1 → CD2 → ...
- MD unit* : MD1 → MD2 → ...

* If the corresponding optional equipment is not connected, the item will not appear (XR-C5604X only).

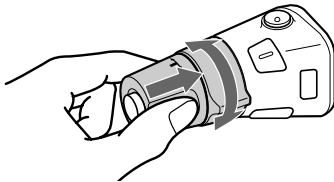
By rotating the control (the SEEK/AMS control)



Rotate the control and release it to:

- Locate the beginnings of tracks on the tape. Rotate and hold the control, and release it to fast-wind the tape. To start playback while fast-winding the tape, press (MODE).
- Locate a specific track on a disc. Rotate and hold the control until you locate the specific point in a track, then release it to start playback.
- Tune in stations automatically. Rotate and hold the control to find a specific station.

By pushing in and rotating the control (the PRESET/DISC control)

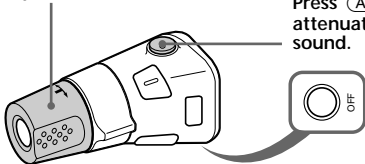


Push in and rotate the control to:

- Receive the stations memorised on the number buttons.
- Change the disc.

Other operations

Rotate the VOL control to adjust the volume.

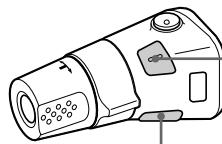


Press (ATT) to attenuate the sound.

Press (OFF) to turn off the unit.

Note

When installing in a car without ACC (accessory) position on the ignition key switch, press (OFF) for two seconds to turn off the clock display after turning off the engine.



Press (SOUND) to adjust the volume and sound menu.

Press (DSPL) to change the displayed items.

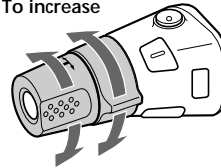
Tip

While the ATA function is activated, the display (TAPE ← TUNER) can be changed by pressing (DSPL).

Changing the operative direction

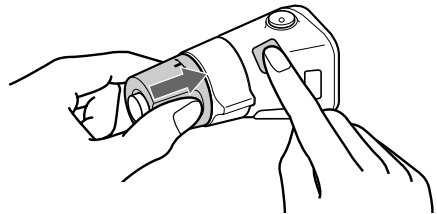
The operative direction of controls is factory-set as shown below.

To increase



To decrease

If you need to mount the rotary commander on the right hand side of the steering column, you can reverse the operative direction.



Press (SOUND) for two seconds while pushing the VOL control.

Tip

You can also change the operative direction of these controls with the unit (see "Changing the sound and display settings" on page 16).

Adjusting the sound characteristics

You can adjust the bass, treble, balance, and fader.

You can store the bass and treble levels independently for each source.

1 Select the item you want to adjust by pressing **(SOUND)** repeatedly.

Each time you press **(SOUND)**, the item changes as follows:

BAS (bass) → TRE (treble) →
BAL (left-right) → FAD (front-rear)

2 Adjust the selected item by pressing either side of **(SEEK/AMS)**.

When adjusting with the rotary commander, press **(SOUND)** and rotate the VOL control.

Note

Adjust within three seconds after selecting the item.

Attenuating the sound

Press **(ATT)** on the rotary commander or card remote commander.
“ATT-ON” flashes momentarily.

To restore the previous volume level, press **(ATT)** again.

Tip

When the interface cable of a car telephone is connected to the ATT lead, the unit decreases the volume automatically when a telephone call comes in (Telephone ATT function).

Changing the sound and display settings

The following items can be set:

- CLOCK (page 9).
- BEEP – to turn the beep sound on or off.
- RM (Rotary Commander) – to change the operative direction of the rotary commander.
 - Select “NORM” to use the rotary commander as the factory-set position.
 - Select “REV” when you mount the rotary commander on the right side of the steering column.
- D.INFO (Dual Information)*¹ – to display the clock and the play mode simultaneously (ON), or to display the information alternately (OFF).
- M.DSPL (Motion Display) – to turn the motion display on or off.
- A.SCRL (Auto Scroll)*² (page 18).

1 Press **(MENU)**.

2 Press either side of **(PRST/DISC)** or **(PRST)** repeatedly until the desired item appears.

Each time you press (-) side of **(PRST/DISC)** or **(PRST)**, the item changes as follows:

CLOCK → BEEP → RM → D.INFO*¹ → M.DSPL → A.SCRL*²

*¹ When the radio is off, or when no tape, CD, or MD is playing, this item will not appear.

*² When no CD or MD is playing, this item will not appear (XR-C5604X only).

Note

The displayed item will differ depending on the source.

Tip

You can easily switch among categories (“SET”, “DIS”, “P/M” and “EDT”) by pressing an holding either side of **(PRST/DISC)** or **(PRST)** for two seconds.

3 Press (+) side of **(SEEK/AMS)** to select the desired setting (Example: ON or OFF).

4 Press **(ENTER)**

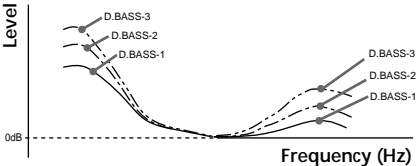
After the mode setting is complete, the display returns to normal playback mode.

Boosting the bass sound

— D-bass

You can enjoy a clear and powerful bass sound. The D-bass function boosts the low frequency signal and high frequency signal with a sharper curve than conventional bass boost.

You can hear the bass line more clearly even while the vocal volume remains the same. You can emphasize and adjust the bass sound easily with the D-BASS button.



Adjusting the bass curve

Press **(D-BASS)** repeatedly to select the desired bass curve.

As the D-BASS number increases so does the effect.

D.BASS-1 → D.BASS-2 → D.BASS-3 → D.BASS-OFF (cancel)

Note

The bass sound may distort at same volume. If the bass sound distorts, select less effective bass curve.

With Optional Equipment

CD/MD Unit (XR-C5604X only)

This unit can control external CD/MD units. If you connect an optional CD unit with the CD TEXT function, the CD TEXT information will appear in the display when you play a CD TEXT disc.

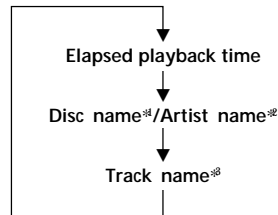
Playing a CD or MD

- 1 Press **(SOURCE)** repeatedly to select CD or MD.
- 2 Press **(MODE)** until the desired unit appears.
CD/MD playback starts.

When a CD/MD unit is connected, all the tracks play from the beginning.

Changing the display item

Each time you press **(DSPL)** during CD, CD TEXT, or MD playback, the item changes as follows:



*1 If you have not labelled the disc or if there is no disc name pre-recorded on the MD, "DISC" and "NO NAME" appears in the display.

*2 If you play a CD TEXT disc, the artist name appears in the display after the disc name. (Only for CD TEXT discs with the artist name.)

*3 If the track name of a CD TEXT disc or MD is not pre-recorded, "TRACK" and "NO NAME" appears in the display.

continue to next page

After you select the desired item, the display will automatically change to the Motion Display mode after a few seconds.

In the Motion Display mode, all the items are scrolled in the display one by one in order.

Tip

The Motion Display mode can be turned off. (See "Changing the sound and display settings" on page 16.)

Automatically scrolling a disc name

— Auto Scroll

If the disc name, artist name, or track name on a CD TEXT disc or MD exceeds 8 characters and the Auto Scroll function is on, information automatically scrolls across the display as follows:

- The disc name appears when the disc has changed (if the disc name is selected).
- The track name appears when the track has changed (if the track name is selected).

If you press **(DSPL)** to change the display item, the disc or track name of the MD or CD TEXT disc is scrolled automatically whether you set the function on or off.

- 1 During playback, press **(MENU)**.
- 2 Press either side of **(PRST/DISC)** or **(PRST)** repeatedly until "A.SCRL" appears.
- 3 Press (+) side of **(SEEK/AMS)** to select "A.SCRL-ON."
- 4 Press **(ENTER)**.

To cancel Auto Scroll, select "A.SCRL-OFF" in step 3.

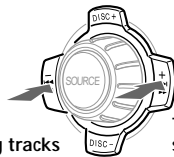
Note

For some discs with very many characters, the following cases may happen:
 — Some of the characters are not displayed
 — Auto Scroll does not work.

Locating a specific track

— Automatic Music Sensor (AMS)

During playback, press either side of **(SEEK/AMS)** momentarily for each track you want to skip.



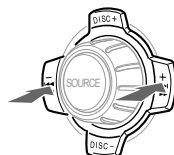
To locate preceding tracks

To locate succeeding tracks

Locating a specific point in a track

— Manual Search

During playback, press and hold either side of **(SEEK/AMS)**. Release when you have found the desired point.



To search backward

To search forward

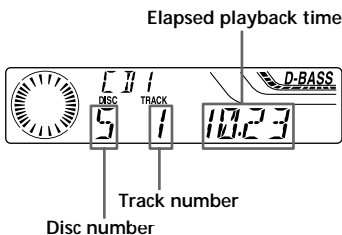
Switching to other discs

During playback, press either side of **(PRST/DISC)** or **(PRST)**. The desired disc in the current unit begins playback.



For succeeding discs

For preceding discs



Disc number

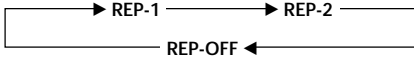
Playing tracks repeatedly

— Repeat Play

You can select:

- REP-1 – to repeat a track.
- REP-2 – to repeat a disc.

During playback, press **①** (REP) repeatedly until the desired setting appears.



Repeat Play starts.

To return to normal playback mode, select "REP-OFF."

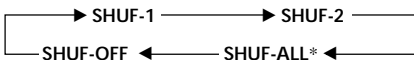
Playing tracks in random order

— Shuffle Play

You can select:

- SHUF-1 – to play the tracks on the current disc in random order.
- SHUF-2 – to play the tracks in the current unit in random order.
- SHUF-ALL* – to play all the tracks in all the units in random order.

During playback, press **②** (SHUF) repeatedly until the desired setting appears.



Shuffle Play starts.

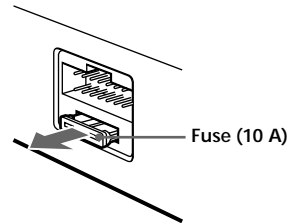
* "SHUF-ALL" is only available when you connect two or more optional CD/MD units.

To return to normal playback mode, select "SHUF-OFF."

Maintenance

Fuse replacement

When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse. If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In such a case, consult your nearest Sony dealer.

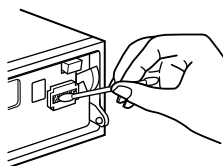


Warning

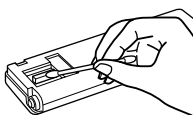
Never use a fuse with an amperage rating exceeding the one supplied with the unit as this could damage the unit.

Cleaning the connectors

The unit may not function properly if the connectors between the unit and the front panel are not clean. In order to prevent this, open the front panel by pressing **(OPEN)**, then detach it and clean the connectors with a cotton swab dipped in alcohol. Do not apply too much force. Otherwise, the connectors may be damaged.



Main unit



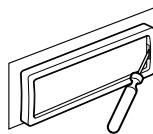
Back of the front panel

Notes

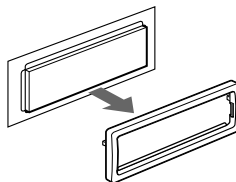
- For safety, turn off the engine before cleaning the connectors and remove the key from the ignition switch.
- Never touch the connectors directly with your fingers or with any metal device.

Dismounting the unit

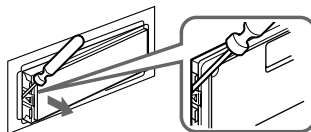
- 1 Press the clip inside the front cover with a thin screwdriver, and pry the front cover free.



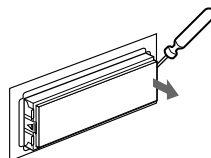
- 2 Repeat step 1 on the left side. The front cover is removed.



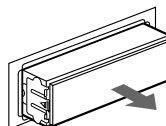
- 3 Use a thin screwdriver to push in the clip on the left side of the unit, then pull out the left side of the unit until the catch clears the mounting.



- 4 Repeat step 3 on the right side.



- 5 Slide the unit out of the mounting.



Specifications

Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.08 % (WRMS)
Frequency response	30 – 18,000 Hz
Signal-to-noise ratio	58 dB

Tuner section

FM

Tuning range	87.5 – 108.0 MHz
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Usable sensitivity	8 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	66 dB (stereo), 72 dB (mono)
Harmonic distortion at 1 kHz	0.6 % (stereo), 0.3 % (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz

MW

Tuning range	531 – 1,602 kHz
--------------	-----------------

SW

Tuning range	SW tuning interval: SW1: 2,940 – 7,735 kHz SW2: 9,500 – 18,135 kHz (except for 10,140 – 11,575 kHz)
Aerial terminal	External aerial connector
Intermediate frequency	10.7 MHz/450 kHz
Sensitivity	30 μ V

Power amplifier section

Outputs	Speaker outputs (sure seal connectors)
Speaker impedance	4 – 8 ohms
Maximum power output	50 W \times 4 (at 4 ohms)

General

Outputs	Audio output Power aerial relay control lead Power amplifier control lead Telephone ATT control lead
Tone controls	Bass \pm 9 dB at 100 Hz Treble \pm 9 dB at 10 kHz
Power requirements	12 V DC car battery (negative earth)
Dimensions	Approx. 178 \times 50 \times 183 mm (w/h/d)
Mounting dimensions	Approx. 182 \times 53 \times 162 mm (w/h/d)
Mass	Approx. 1.2 kg
Supplied accessories	Parts for installation and connections (1 set) Front panel case (1) Card remote commander RM-X74 (1) (XR-C5604X only)
Optional accessories	Rotary commander RM-X4S BUS cable (supplied with an RCA pin cord) RC-61 (1 m), RC-62 (2 m) XR-C5604X:
Optional equipment	CD changer (10 discs) CDX-838, CDX-828, CDX-737, CDX-636 MD changer (6 discs) MDX-65 Other CD/MD changers with the Sony-BUS system Source selector XA-C30

Design and specifications are subject to change without notice.

Troubleshooting guide

The following checklist will help you remedy the problems you may encounter with your unit. Before going through the checklist below, check the connections and operating procedures.

General

Problem	Cause/Solution
No sound.	<ul style="list-style-type: none">• Cancel the ATT function.• Set the fader control to the centre position for two-speaker systems.• Rotate the dial clockwise to adjust the volume.
The contents of the memory have been erased.	<ul style="list-style-type: none">• The power cord or battery has been disconnected.• The reset button was pressed. → Store again into the memory.
Indications do not appear in the display.	Remove the front panel and clean the connectors. See "Cleaning the connectors" (page 20) for details.

Tape playback

Problem	Cause/Solution
The sound is distorted.	The tape head is contaminated. → Clean the head with a commercially available dry-type cleaning cassette.
The AMS does not operate correctly.	<ul style="list-style-type: none">• There is noise in the space between tracks.• A blank space is too short (less than four seconds).• A long pause, or a passage of low frequencies or very low sound level is treated as a blank space.

Radio reception

Problem	Cause/Solution
Preset tuning is not possible.	<ul style="list-style-type: none">• Store the correct frequency in the memory.• The broadcast signal is too weak.
Automatic tuning is not possible.	<ul style="list-style-type: none">• The broadcast signal is too weak. → Use manual tuning.• The local seek mode is set to ON. → Set the local seek mode to OFF (page 13).
The stations cannot be received. The sound is hampered by noises.	Connect a power aerial control lead (blue) or accessory power supply lead (red) to the power supply lead of a car's aerial booster. (When your car has built-in FM/MW/SW aerial in the rear/side glass only.)
The "ST" indication flashes.	<ul style="list-style-type: none">• Tune in the frequency accurately.• The broadcast signal is too weak. → Set to the MONO mode (page 13).
Interference occurs during FM reception.	The WIDE mode is selected. → Set the IF mode to IF AUTO (page 13).

CD/MD playback (XR-C5604X only)

Problem	Cause/Solution
The sound skips.	A dirty or defective disc.

Error display when an optional CD/MD unit is connected (XR-C5604X only)

The following indications will flash for about five seconds, and an alarm sound will be heard.

Display	Cause	Solution
NO MAG	The disc magazine is not inserted in the CD/MD unit.	Insert the disc magazine in the CD/MD unit.
NO DISC	No disc is inserted in the CD/MD unit.	Insert discs in the CD/MD unit.
NG DISCS	A CD/MD cannot play because of some problem.	Insert another CD/MD.
ERROR ^{*1}	A CD is dirty or inserted upside down. ^{*2}	Clean or insert the CD correctly.
	An MD does not play because of some problem. ^{*2}	Insert another MD.
BLANK ^{*1}	No tracks have been recorded on an MD. ^{*2}	Play an MD with tracks recorded on it.
RESET	The CD/MD unit cannot be operated because of some problem.	Press the reset button of the unit.
NO READY	The lid of the MD unit is open or MDs are not inserted properly.	Close the lid or insert the MDs properly.
HI TEMP	The ambient temperature is more than 50°C.	Wait until the temperature goes down below 50°C.

^{*1} When an error occurs during playback of a CD or MD, the disc number of the CD or MD does not appear in the display.

^{*2} The disc number of the disc causing the error appears in the display.

If the above-mentioned solutions do not help improve the situation, consult your nearest Sony dealer.