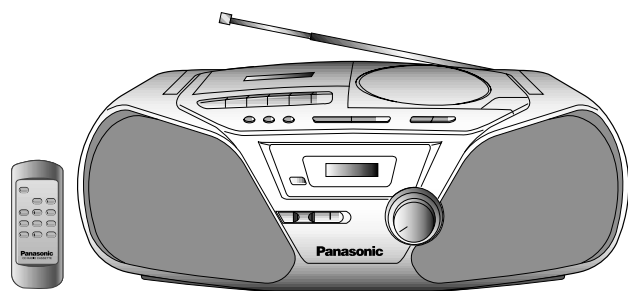


Portable Stereo CD System

Operating Instructions

Model No. **RX-D11**
RX-D10



The illustrations show RX-D11.



Panasonic®

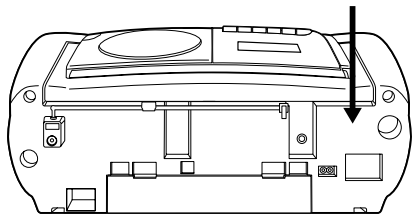
Note:

The "EB" indication shown on the packing case indicates United Kingdom.

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

RQT5210-B

CLASS 1 LASER PRODUCT



(Back of product)

DANGER	INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.	(Inside of product)
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING. NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.	(Indersiden af apparatet)
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTITINNA NÄKYMÄTÖNTÄ LASERSÄTEILYLLÄ. ÄLÄ KATSO SÄTEESEEN.	(Tuotteen sisällä)
VARNING	ÖSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRÄKTA EJ STRÅLEN.	(Apparatens insida)
ADVARSEL	USYNLIG LASERSTRÅLING NÄR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.	(Produktets inside)
VORSICHT	UNSIICHTBARE LASERSTRÄHLUNG, WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT. NICHT DEM STRAHL AUSSETZEN.	(Im Inneren des Gerätes)

CAUTION!

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CAUTION!

DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPLIANCE TO RAIN, SPLASHING, DRIPPING OR MOISTURE.

In these operating instructions, "unit off" defines the following modes.

"Standby" when AC power is used.

"Battery power off" when batteries are used.

Dear customer

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully.

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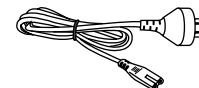
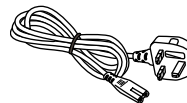
Supplied accessories



Please check and identify the supplied accessories.

Use numbers indicated in parentheses when asking for replacement parts.

- ☒ AC mains lead 1 pc.
(For United Kingdom: RJA0053-2X) (For Australia and New Zealand: RJA0035-X)

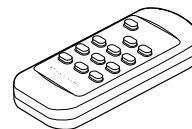


Note

The included AC mains lead is for use with this unit only. Do not use it with other equipment.

RX-D11 only

- ☐ Remote control transmitter (EUR646553) 1 pc.



(For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated below.

If in any doubt please consult a qualified electrician.

IMPORTANT

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

Blue: Neutral, Brown: Live.

As these colours 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 or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL \perp OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

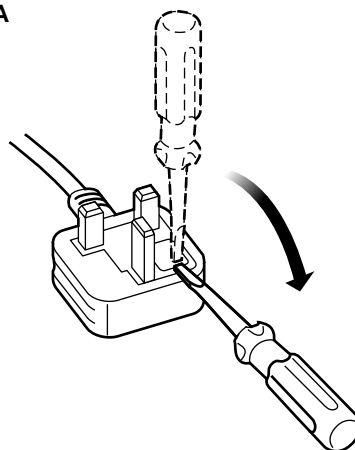
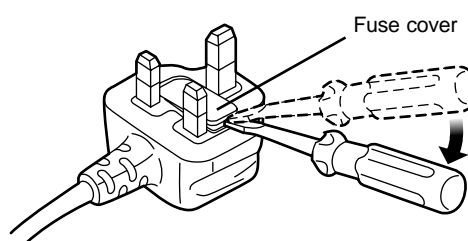


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

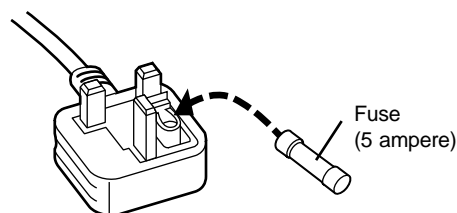
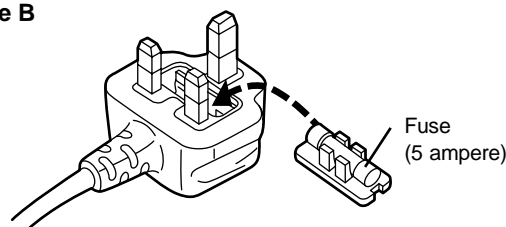
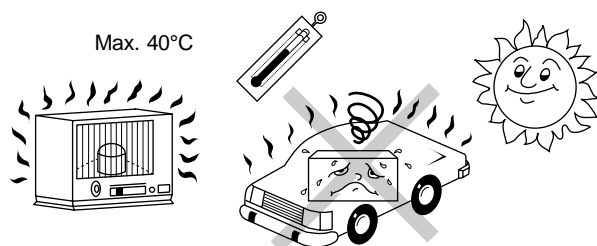
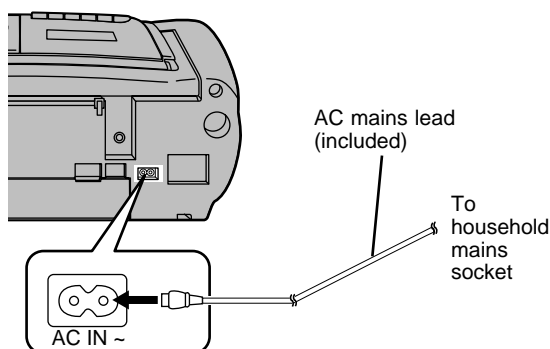
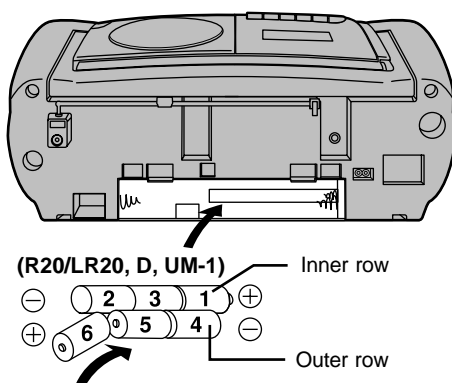


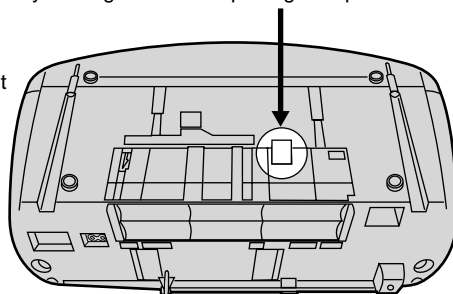
Figure B



A**B****C****D**

Insert your finger into the opening and push out.

Bottom of the unit



Precautions **A**

- If this unit is not used for a long period of time or is used only from an AC power source, remove all the batteries to prevent potential damage due to possible battery leakage.
- Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.
- Avoid cuts, scratches, or poor connections in the AC mains lead, as they may result in possible fire or electric shock hazard. Also, excessive bending, pulling or splicing of the cord should be avoided.
- Do not unplug the AC mains lead by pulling on the lead. To do so may cause premature failure or shock hazard.
- Do not operate this unit on AC power in a bathroom, as a potential shock hazard may result.
- When not in use, disconnect the AC mains lead from the household mains socket.

Use of batteries

- Align the poles (+ and -) properly when inserting the batteries.
- Do not mix old and new batteries or different types of batteries.
- Do not recharge ordinary dry cell batteries.
- Do not heat or disassemble the batteries. Do not allow them to contact flame or water.
- If the unit is not going to be used for a long time or if the unit is to be powered exclusively by AC power, remove the batteries and store them in a cool dark place.
- Do not keep together with metallic objects such as necklaces.
- Do not use rechargeable type batteries.
- Do not use batteries if the covering has been peeled off.

Mishandling of batteries can damage other items, cause damage to the unit, and may cause a fire through short-circuiting or electrolyte leakage.

If electrolyte leaks from the batteries, consult your dealer.

Wash thoroughly with water if electrolyte comes in contact with any part of your body.

Power sources

Using a household mains socket **B**

FOR UNITED KINGDOM ONLY
BE SURE TO READ THE CAUTION FOR THE AC MAINS LEAD
ON PAGE 3 BEFORE CONNECTION.

Connect the included AC mains lead to the [AC IN ~] socket of the unit and your household mains socket.

Notes

- Before connecting or disconnecting the AC mains lead to the unit, make sure the unit is switched off by setting [SELECTOR] to "TAPE/OFF". (If the tape is travelling, press [STOP/EJECT] as well.)
- If the unit is not going to be used for a prolonged period of time, disconnect the AC mains lead to conserve power.

Using batteries (not included) **C**

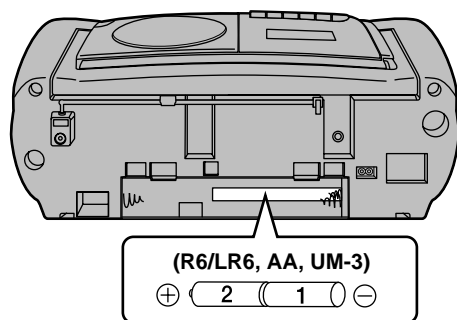
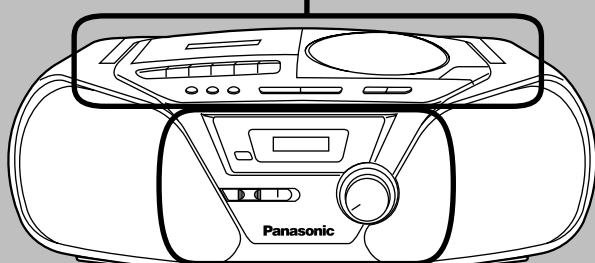
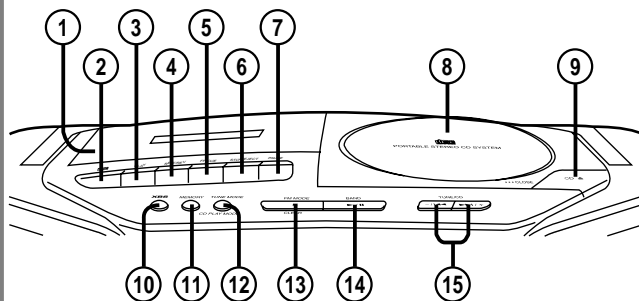
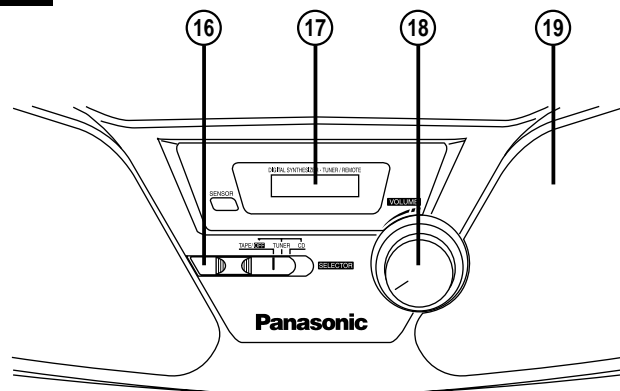
Disconnect the AC mains lead from the [AC IN ~] socket of the unit, and insert six R20/LR20 (D, UM-1, not included) batteries in the illustrated order.

When to replace the batteries

Replace all batteries with new ones if the sound is distorted or the unit fails to operate properly. When the batteries start to wear out, it may not be possible to play CDs properly even when there is nothing wrong with the radio and tape operations.

How to remove the batteries **D**

Remove batteries by inserting your finger into opening on the bottom of the unit and pushing out.

A**B****C**

Power sources

Memory back-up batteries (not included)

In the event of a power failure, or if the AC mains lead is disconnected from the household mains socket (during AC operation), or should the batteries fail, the memory back-up batteries will preserve the preset memory of this unit.

Battery installation **A**

Insert two R6/LR6 (AA, UM-3, not included) batteries into the battery compartment, making sure that the batteries are installed in the designated numerical order and that the proper polarities are maintained.

- The life of the memory back-up batteries can be prolonged by keeping the AC mains lead plugged in the household mains socket at all times.
- When disconnecting the AC mains lead, switch off the unit first by setting [SELECTOR] to "TAPE/OFF". (If the tape is travelling, press [STOP/EJECT] as well.) The life of the memory back-up batteries is reduced if the AC mains lead is disconnected from a household mains socket with the power still supplied.

Battery removal

Press the negative end of the number 2 battery to remove batteries.

Battery life

The life of the memory back-up batteries is about one year.

Location of controls

Main unit

B

Number	Designation	Reference page
①	Deck (Recording/playback)	
②	Recording button (● REC)	13
③	Playback button (▶ PLAY)	12
④	Rewind/review button (◀◀ REW/REV)	12
⑤	Fast forward/cue button (▶▶ FF/CUE)	12
⑥	Stop/eject button (■/▲ STOP/EJECT)	12
⑦	Pause button (PAUSE)	12
⑧	CD lid	
⑨	CD lid open button (CD ▲)	10
⑩	XBS button (XBS)	12
⑪	CD program, tuner preset button (MEMORY)	7, 11
⑫	Tuning mode, CD play mode select button (TUNE MODE, CD PLAY MODE)	8, 10
⑬	CD stop/program clear, stereo/monaural button (■ CLEAR, FM MODE)	9-11
⑭	CD play/pause, band select button (▶/ , BAND)	7, 10
⑮	Tuning/CD skip, search buttons (←/▶, TUNE/CD)	7, 10

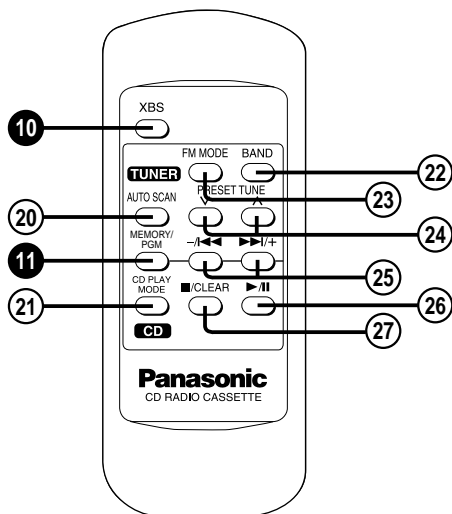
C

⑯	Function selector ([SELECTOR])	7, 10, 12
The function selector switch does not separate entire unit from mains even if in "TAPE/OFF" position.		
⑰	Display panel	
⑱	Volume control ([VOLUME])	8
⑲	Speaker	

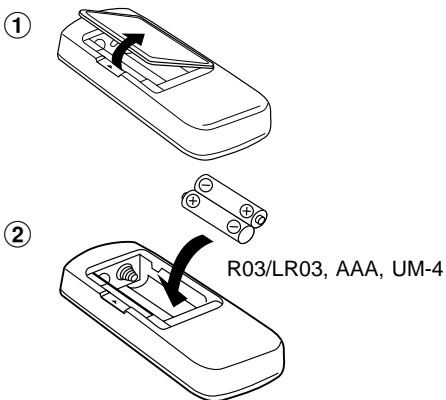
Note

These speakers do not have magnetic shielding. Do not place them near televisions, personal computers or other devices easily influenced by magnetism.

A

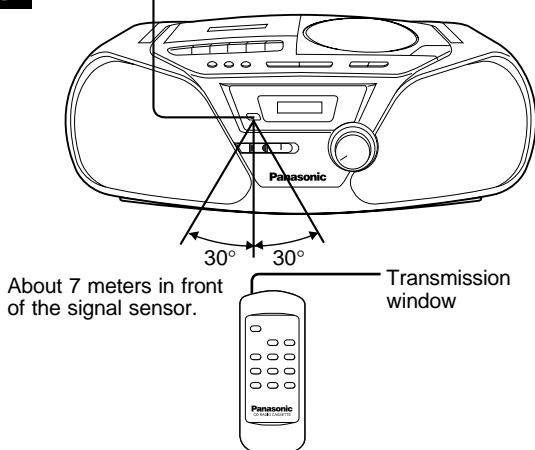


B

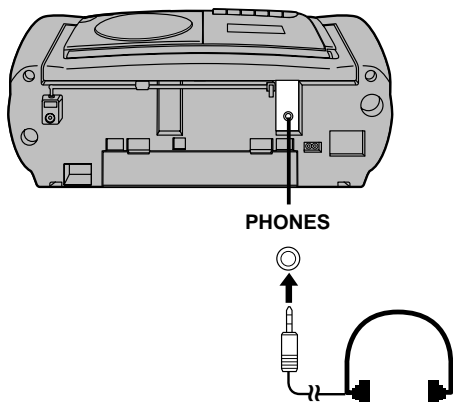


C

Remote control signal sensor



D



Location of controls

Remote control (RX-D11 only)

Buttons 10 and 11 have the same functions as the corresponding buttons on the main unit.

A

Number	Designation	Reference page
20	Auto scan button (AUTO SCAN)	9
21	CD play mode select button (CD PLAY MODE)	10
22	Band select button (BAND)	7
23	FM mode select button (FM MODE)	9
24	Preset channel select/preset scan buttons (V PRESET TUNE ^)	7, 8
25	Manual tuning/CD skip, search buttons (-1/◀, ▶/1+)	7, 10
26	CD play/pause button (▶/II)	10
27	CD stop/program clear button (■/CLEAR)	10, 11

Concerning the remote control

RX-D11 only

Battery (not included) installation and removal

B

1. Open the battery cover. (Push the cover in the direction of the "►" mark, then lift.)
2. Insert the batteries in the correct polarities (⊕, ⊖).

Remove the batteries by pulling the positive side of the battery up.

Correct method of use

C

Operation notes

- Do not place obstacles between the remote control signal sensor and remote control unit.
- Do not expose the remote control signal sensor to direct sunlight or to the bright light of a fluorescent light.
- Take care to keep the remote control signal sensor and end of the remote control unit free from dust.

To prevent damage

- Never place heavy items on it.
- Do not disassemble or reconstruct it.
- Do not spill water or other liquids into it.

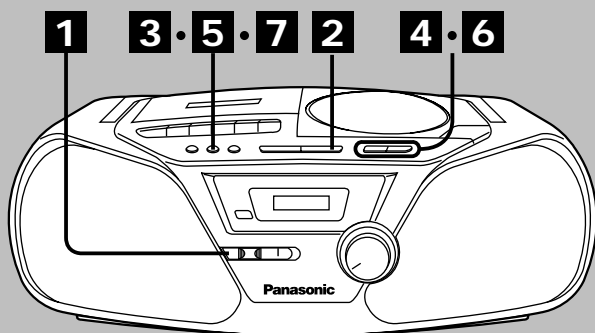
To listen through headphones (not included) **D**

Turn down the volume and connect the headphones to the [PHONES] jack.

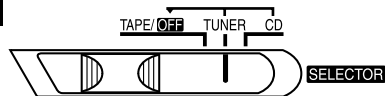
Plug type: 3.5 mm stereo

Note

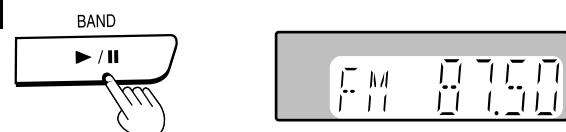
Avoid listening for prolonged periods of time to prevent hearing damage.



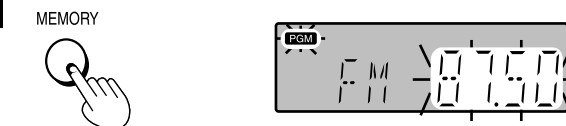
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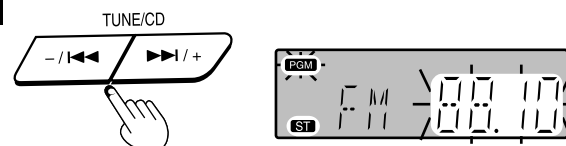
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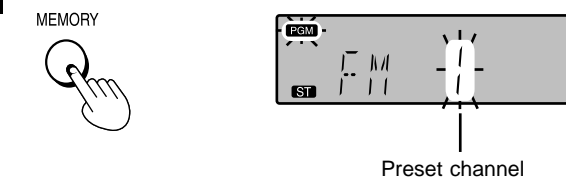
3



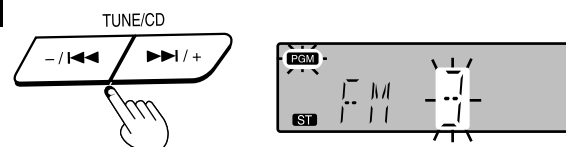
4



5



6



7



Presetting radio broadcasts

- Up to twelve FM and AM stations each can be programmed.
- If broadcast frequencies are preset in the memory, you can easily tune in any of these frequencies.
- You can preset just those stations you like.

1

Set **[SELECTOR]** to "TUNER".

2

Press **[BAND]** to select "FM" or "AM".
Every time you press the button: FM ↔ AM

3

Press **[MEMORY]**.
"PGM" and the frequency flash.

4

While "PGM" and the frequency are flashing:
Press **[-/I<<]** or **[>>I/+]** to select the desired station.

"ST" lights when an FM stereo program is being received.

Reference

You can select the desired broadcast by using "Automatic tuning". (See page 9.)

5

Press **[MEMORY]**.
"PGM" and the preset channel number flash.

6

While "PGM" and the preset channel number are flashing:
Press **[-/I<<]** or **[>>I/+]** to select the preset channel.

7

Press **[MEMORY]**.
If the "PGM" indicator goes off during programming, return to step 3.

Repeat steps 3 to 7 to program other stations.

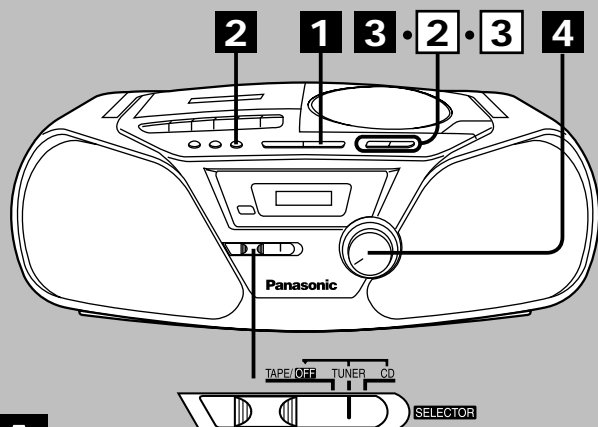
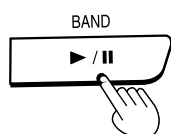
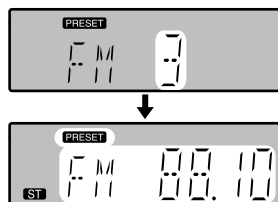
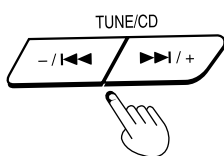
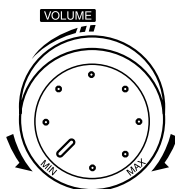
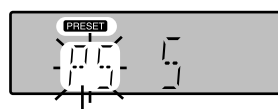
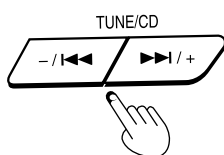
RX-D11 only

When using the remote control

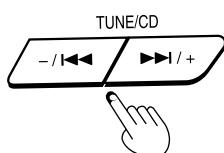
Preparation: Set **[SELECTOR]** to "TUNER".

1. Press **[BAND]** to select "FM" or "AM".
2. Press **[MEMORY/PGM]**.
3. While "PGM" and the frequency are flashing:
Press **[-/I<<]** or **[>>I/+]** to select the desired station.
4. Press **[MEMORY/PGM]**.
5. While "PGM" and the preset channel number are flashing:
Press **[V]** or **[^]** to select the preset channel.
6. Press **[MEMORY/PGM]**.

Repeat steps 2 to 6 to program other stations.

**A****1****2****3****4****B****2**

Indicates preset scan

3

Listening to programmed stations (Preset tuning)

A

Make sure you have completed the procedure for "Presetting radio broadcasts" (on page 7).

Preparation: Set **[SELECTOR]** to "TUNER".

1

Press **[BAND]** to select "FM" or "AM".

Every time you press the button: FM ↔ AM

2

Press **[TUNE MODE]** to display the preset indicator.

The unit is set to the preset tuning mode.

3

Press **[←/I<<]** or **[>>I/+]** to select the preset channel.

4

Adjust the volume.

RX-D11 only

When using the remote control

1. Press **[BAND]** to select "FM" or "AM".
2. Press **[V]** or **[^]** to select the preset channel.

Using preset scan **B**

You can search for a station by listening to all preset channels for 8 seconds each.

Preparation: Set **[SELECTOR]** to "TUNER".

1

Do steps **1** to **2** above.

2

Press and hold **[←/I<<]** or **[>>I/+]** until "PS" appears on the display.

Preset scan starts.

3

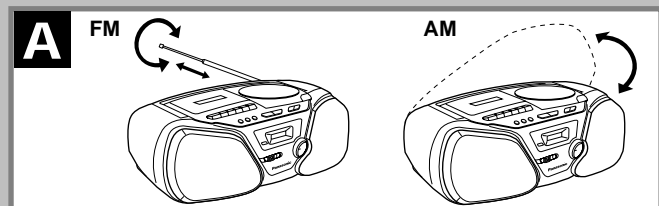
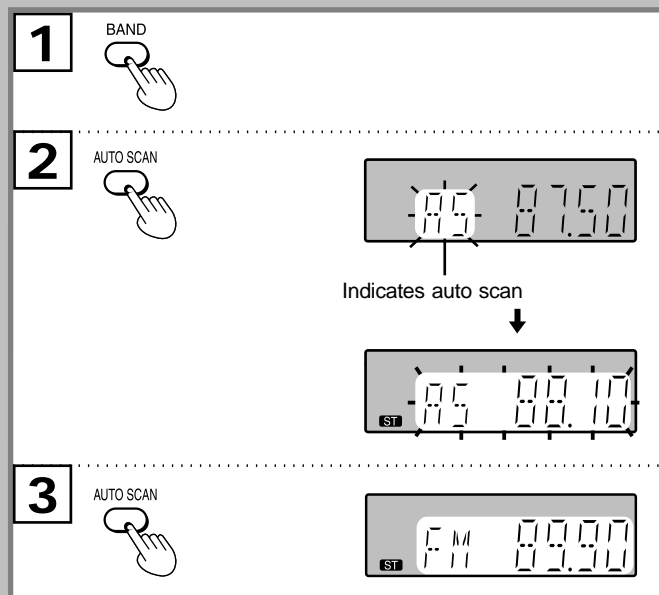
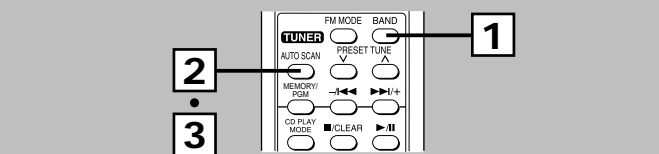
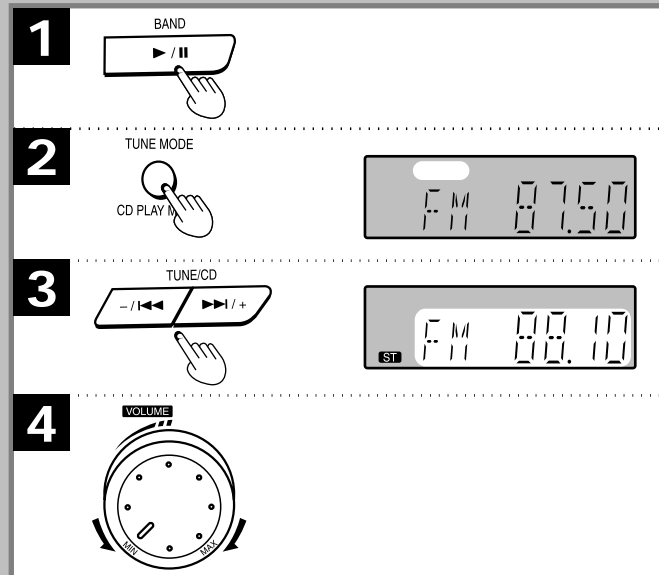
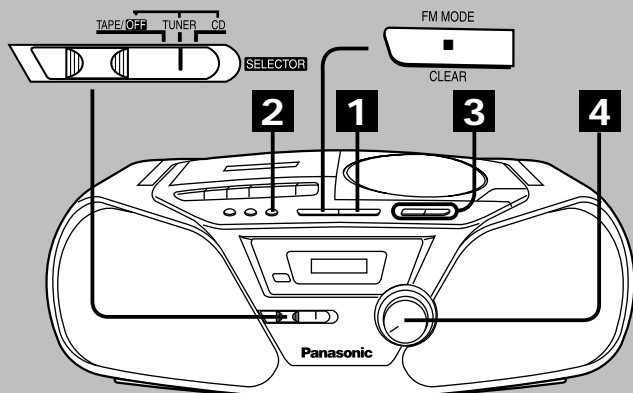
Press **[←/I<<]** or **[>>I/+]** when you find the desired channel.

Preset scan ends after searching through each preset channel once. To stop during the process, press **[←/I<<]** or **[>>I/+]**.

RX-D11 only

When using the remote control

Press **[V]** or **[^]** for **[←/I<<]** or **[>>I/+]** described above.



Listening to radio broadcasts

Listening to broadcast stations which have not been programmed (Manual tuning)

Preparation: Set [SELECTOR] to "TUNER".

- 1** Press [BAND] to select "FM" or "AM".
Every time you press the button: FM ↔ AM
- 2** Press [TUNE MODE] to clear the preset indicator.
The unit is set to the manual tuning mode.
- 3** Press [←/↩] or [→/↪] to tune in the station.
- 4** Adjust the volume.

RX-D11 only

When using the remote control

1. Press [BAND] to select "FM" or "AM".
2. Press [←/↩] or [→/↪] to tune in the station.

Automatic tuning:

This is a simple way of tuning in stations that have not been preset. Keep [←/↩] or [→/↪] depressed, and release it when the frequency display starts to change. A station with good reception is automatically selected and the selection process then stops.

To stop automatic tuning, press [←/↩] or [→/↪] again.

Hint

Automatic tuning may stop without a station having been tuned in when interference is encountered on neighbouring airwaves. In such a case, tune in a station by tapping [←/↩] or [→/↪].

Using auto scan RX-D11 only

You can search for a station by listening to all tuned-in stations for 8 seconds each.

Preparation: Set [SELECTOR] to "TUNER".

(Only from the remote control)

- 1** Press [BAND] to select "FM" or "AM".
- 2** Press [AUTO SCAN].
Auto scan starts.
- 3** Press [AUTO SCAN] when you find the desired station.

Auto scan ends when it reaches the original frequency again.
To stop during the process, press [AUTO SCAN].

To turn off the unit:

Set [SELECTOR] to "TAPE/OFF".

If the tape is travelling, press [■/▲ STOP/EJECT] as well.

Adjusting the antennas A

For FM reception:

Pull out the telescopic antenna and adjust its length and angle for optimum reception.

For AM reception:

Turn the unit in the direction which gives the best results.

Reference

Radio broadcasts may be hard to receive in a moving vehicle or in a building because the signal may be weakened. In such cases, use the unit near a window.

When there is a lot of noise in an FM stereo broadcast

Reduce the interference by setting the sound to monaural.

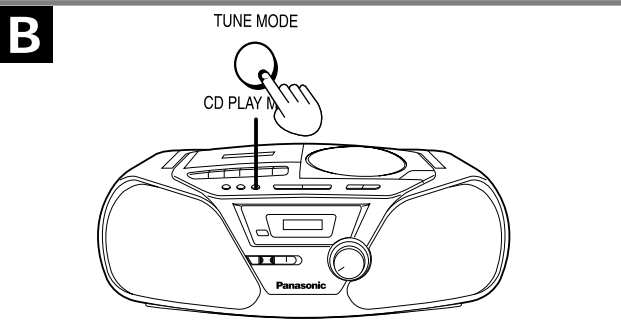
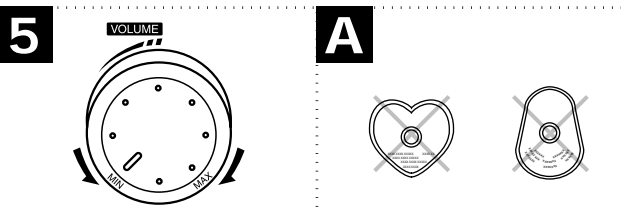
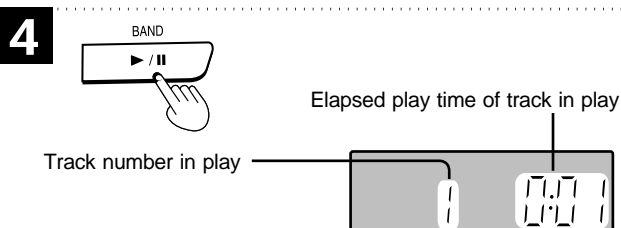
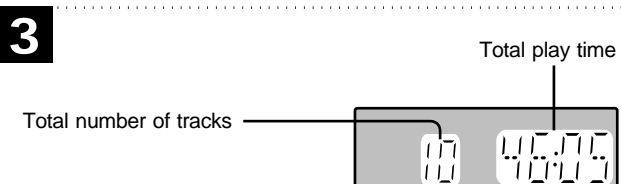
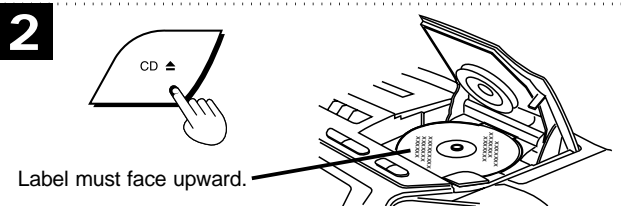
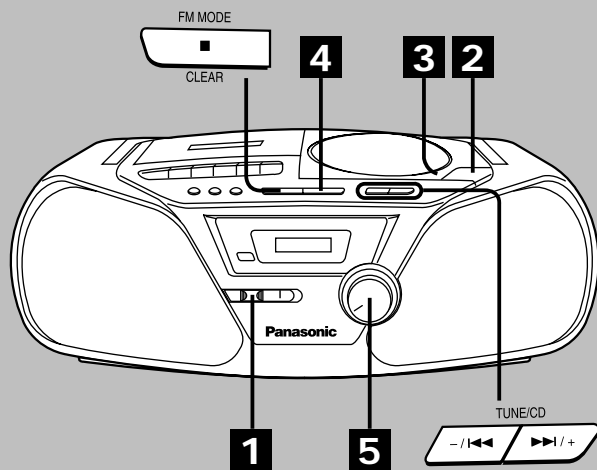
Example:

When an FM stereo program is being received;

Press [FM MODE].

"MONO" is displayed.

To return to stereo reception, repeat the same procedure to turn off the "MONO" display.



Listening to CDs

Sequential play

- 1** Set **[SELECTOR]** to "CD".
"NO DISC" appears when no CD is loaded.
- 2** Press **[CD ▲]**, then insert the CD.
- 3** Press **[••• CLOSE]** to close the CD lid by hand.
The total number of tracks and total play time of the CD are displayed.
- 4** Press **[▶/II]** to start play.
Play starts from the first track and continues to the last track, after which it automatically stops.
- 5** Adjust the volume.

To stop the disc:

Press **[■ CLEAR]**.

To pause	Press [▶/II] during playback. To resume playback, press [▶/II] .
To search forward/backward	Hold down [-/I<<] (backward) or [>>I/+] (forward) during playback or pause mode.
To skip forward/backward	Press [-/I<<] (backward) or [>>I/+] (forward).

Notes

- If interference occurs to radios or televisions, place the unit as far as possible from this equipment.
- Do not press **[CD ▲]** during play, pause or immediately after when you inserted the CD and closed the CD lid. CD may be scratched.

To prevent damage **A**

Do not use irregular shaped CDs.

To turn off the unit:

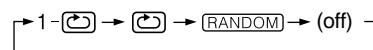
Set **[SELECTOR]** to "TAPE/OFF".

If the tape is travelling, press **[■/▲ STOP/EJECT]** as well.

Repeat play and random play

Press **[CD PLAY MODE]** before or during play. **B**

Every time you press the button:



Press **[▶/II]** to begin play if you are in the stop mode.

To repeat just one track:

Press **[CD PLAY MODE]** to select "1-[CD PLAY MODE]".

To repeat all tracks:

Press **[CD PLAY MODE]** to select "[CD PLAY MODE]".

To start random play:

Press **[CD PLAY MODE]** to select "[RANDOM]".

All tracks on the loaded CD will be played in random order. Playback will stop automatically when all tracks have been played.

To cancel repeat play and random play:

Press **[CD PLAY MODE]** to clear "1-[CD PLAY MODE]", "[CD PLAY MODE]" and "[RANDOM]".

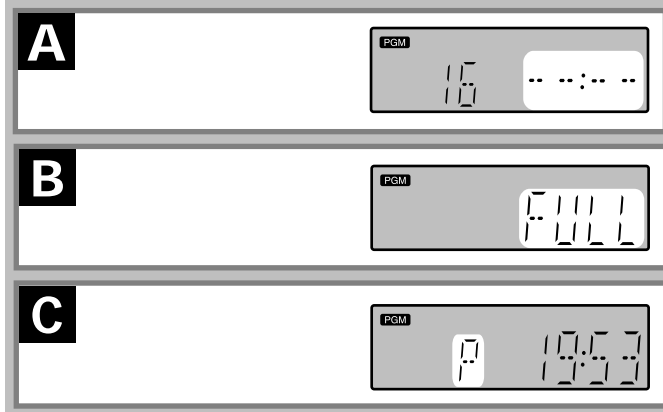
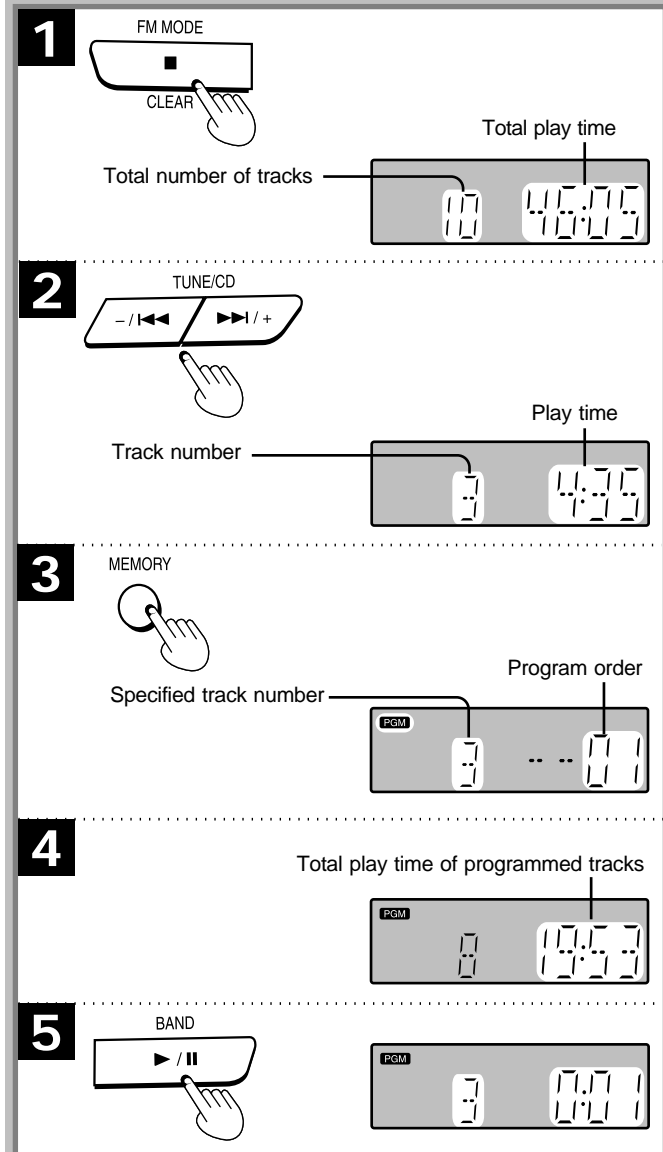
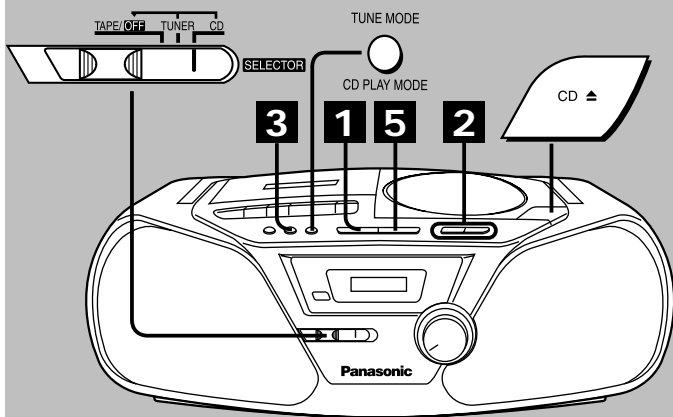
Pressing **[CD ▲]** also cancels repeat function and random function.

To repeat programmed tracks:

- Program desired tracks (steps **1** to **4** on page 11).
- Press **[CD PLAY MODE]** to display "[CD PLAY MODE]".
- Press **[▶/II]** to begin play.

Notes

- During random play, you cannot skip to tracks which have already been played.
- During random play, you can search forward or backward only within the current track.
- Random play cannot be used in combination with program play.



Listening to CDs

Program play

You can program up to 24 tracks.

Preparation:

- Set [SELECTOR] to "CD".
- Program play cannot be used in combination with random play. When "[RANDOM]" is displayed, press [CD PLAY MODE] to clear the display.

1 Press [■ CLEAR].

The total number of tracks and total play time of the CD are displayed.

2 Press [←/I<<] or [▶/I+] to select the desired track.

3 Press [MEMORY].

"PGM" is displayed.

4 Repeat steps 2 and 3 until you have programmed all the tracks you want.

5 Press [▶/II].

Play will start in the programmed sequence.

To cancel program play:

Press [■ CLEAR] in the stop mode to display "CLR". Pressing [CD ▲] will cancel program function.

When "—:—" appears: A

This means that the total play time of the programmed tracks has exceeded 100 minutes. Tracks can still be programmed and played.

When "FULL" appears: B

The number of programmed tracks is limited to 24. No further tracks can be programmed.

Memory retention of programmed tracks:

The memory retains the program even if play is stopped or the unit is turned off.

The display "P" indicates that programming is retained in the memory.

C

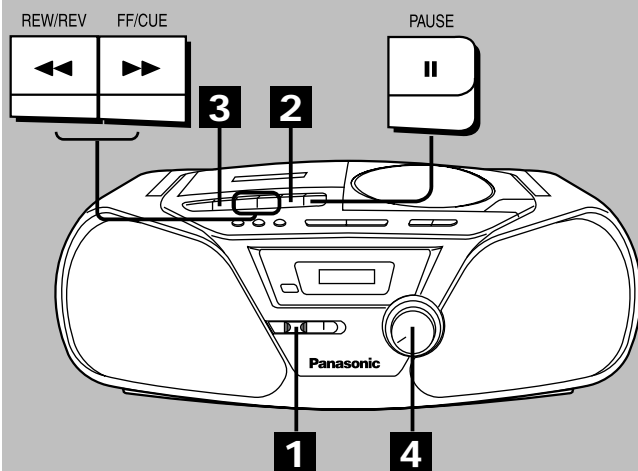
To check what has been programmed:

While "P" display is on, press [←/I<<] or [▶/I+].

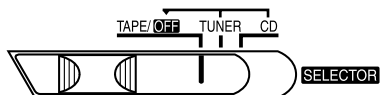
The display will show the track number and programmed sequence.

Notes

- During program play, you can search forward or backward only within the current track.
- During program play, skipping is always in the programmed order, whether forward or backward.



1

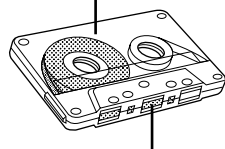


2

STOP/EJECT



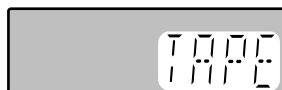
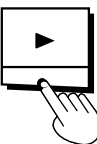
Side to be played facing upward.



Insert the tape with the exposed tape facing you.

3

PLAY



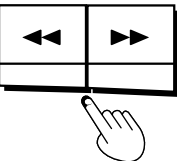
4

VOLUME



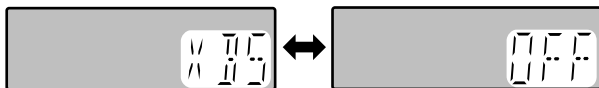
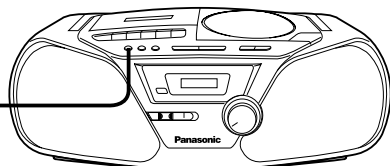
A

REW/REV FF/CUE



B

XBS



Listening to tapes

Types of tapes which can be played correctly:

Normal position/TYPE I	✓
High position/TYPE II	×
Metal position/TYPE IV	×

High position and metal position tapes can be played, but the unit will not be able to do full justice to the characteristics of these tapes.

1

Set **[SELECTOR]** to "TAPE/OFF".

2

Press **[■/▲ STOP/EJECT]**, load the tape and close the tape lid.

3

Press **[▶ PLAY]** to start play.

4

Adjust the volume.

To stop play:

Press **[■/▲ STOP/EJECT]**.

To stop play temporarily:

Press **[|| PAUSE]**.

To resume play:

Press **[|| PAUSE]** again.

The unit's power is on in the pause mode. Stop tape to turn the unit off by pressing **[■/▲ STOP/EJECT]** when leaving the unit.

To fast-forward or rewind the tape **A**

Press **[◀◀ REW/REV]** (backward) or **[▶▶ FF/CUE]** (forward) in the stop mode.

Note

Do not press **[▶ PLAY]** when rewinding or fast forwarding, as this may jam the tape.

Be sure to press **[■/▲ STOP/EJECT]** before the next operation.

To find a particular spot on a tape **A**

Press **[◀◀ REW/REV]** (backward) or **[▶▶ FF/CUE]** (forward) during playback.

Tape play is resumed when the button is released.

Full auto-stop:

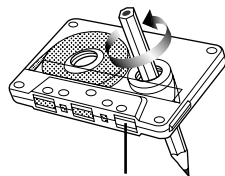
The automatic stop system will release the buttons when the tape reaches the end during play or when recording, fast forwarding or rewinding.

Changing the sound quality

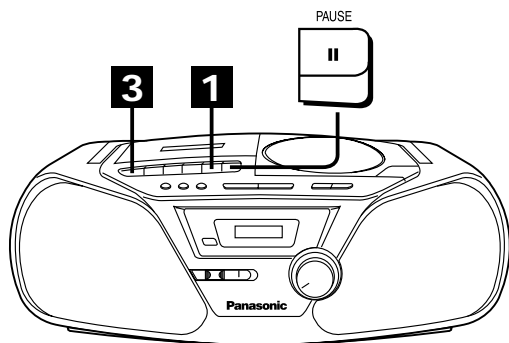
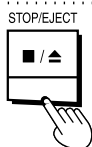
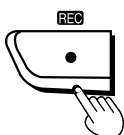
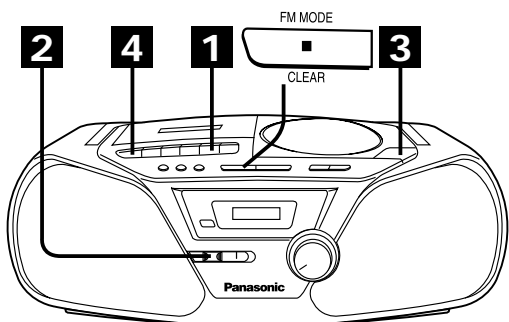
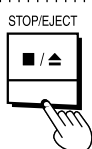
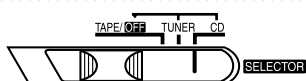
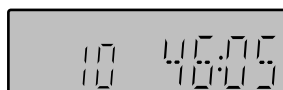
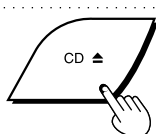
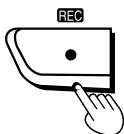
Adjusting the deep-bass (XBS) **B**

Press **[XBS]** to boost the bass sounds.

Every time you press the button: XBS ↔ OFF

A

Leader tape
(Recording cannot be made.)

B**1****3****C****1****2****3****4**

Before recording

To take up the leader tape: **A**

Only normal tapes can be used.

High position and metal position tapes can be used, but the unit will not be able to record or erase them correctly.

References

- Any changes made to the volume or sound quality during recording will not affect the recording.
- In order to prevent trouble caused by flat batteries, it is recommended that you either supply power to the unit from the household mains socket or replace all the batteries with new ones when you are recording something which is important to you.
- The recording level is set automatically.

Note

If the unit is brought near a TV set during recording, noise may be recorded due to the effects of the signals from the TV set. Maintain a distance of at least 1.5 metres between the unit and a TV set.

To make a blank tape:

- Load the recorded tape with the side to be erased facing upward.
- Set [SELECTOR] to "TAPE/OFF".
- Press [● REC].
▶ [PLAY] is also depressed with [● REC].

Your attention is drawn to the fact that recording pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

Recording from radio broadcasts **B**

- Press [■/▲ STOP/EJECT] and load the tape.**
Load the tape with the side to be recorded facing upward.
- Tune in the station.**
(See page 9.)
- Press [● REC] to start recording.**
▶ [PLAY] is also depressed with [● REC].

To stop the recording:

Press [■/▲ STOP/EJECT].

To stop the recording temporarily:

Press [|| PAUSE].

To resume recording, press [|| PAUSE] again.

Recording from CDs **C**

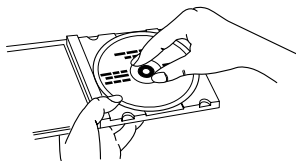
- Press [■/▲ STOP/EJECT] and load the tape.**
Load the tape with the side to be recorded facing upward.
- Set [SELECTOR] to "CD".**
- Press [CD ▲] and insert the CD.**
The total number of tracks and total play time of the CD are displayed.
- Press [● REC] to start recording.**
▶ [PLAY] is also depressed with [● REC].
CD play starts simultaneously.

To stop the recording:

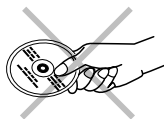
Press [■ CLEAR] and [■/▲ STOP/EJECT].

Recording favourite tracks

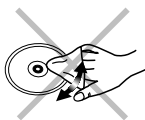
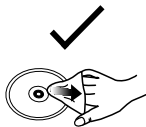
- Program desired tracks (refer to steps **2** to **4** on page 11) after step **3**.
- Press [● REC] to start recording.
▶ [PLAY] is also depressed with [● REC].

A**B****How to return CDs to their case**

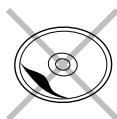
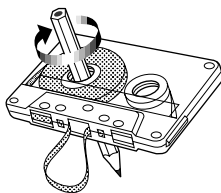
Face label upwards and press downward from above.

C**How to hold CDs**

Do not touch the recorded surface.

D**How to clean CDs**

Wipe from inside outward.

E**F****How to take up tape slack****G**

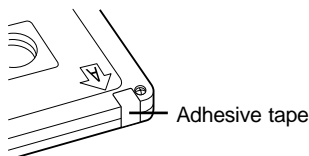
Side A

Tab for side "B"

Tab for side "A"

To re-record

Normal position tape

**Concerning CDs**

Only compact discs bearing this mark can be used with this unit.

However, continued use of irregular shaped CDs can damage the unit. **A**

**Handling precautions B – E**

- If you are taking the CD from a cold to a warm environment, moisture may form on the CD. Wipe this off with a soft, dry, lint-free cloth before using the CD.
- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not attach labels or stickers to CDs. (Do not use CDs with exposed adhesive from tape or left over peeled off stickers.)
- Do not use scratch-proof protectors or covers other than those specified for use with this unit.
- Do not use CDs printed with label printers available on the market.

Storage precautions

Be sure to store CDs in their cases to protect them from dust, scratches, and warping.

Do not place or store CDs in the following places

- Locations exposed to direct sunlight
- Humid or dusty locations
- Locations directly exposed to a heat vent or heating appliance
- In the glove compartment or on the rear deck of an automobile

Concerning cassette tapes**Selection of cassette tapes**

Tapes can get caught on the capstans. Use caution with the following types of tapes.

Cassette tapes exceeding 100 minutes

Tapes are made of a thin film material. Do not repeatedly advance and stop the tape, fast-forward it or rewind it.

Endless-tapes

Failure to operate these tapes correctly may cause the tape to wind around the revolving parts.

Always read the instructions provided with your tapes.

Tape slack F

Tape slack may cause the tape to break.

Erasure prevention G

Use a screwdriver or similar object to break out the tab.

To re-record on a protected cassette

Cover the hole with adhesive tape.

Storage precautions**Do not place or store tapes in the following places**

- In high temperature (35°C or higher) or high humidity (80% or higher) areas
- In a strong magnetic field (near a speaker, on top of a TV, etc.) This can erase a recording.
- Locations exposed to direct sunlight

Troubleshooting guide

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions.

Problem	Probable cause(s)	Suggested remedy	Page
Common problems			
No operation when the unit is powered by batteries.	Is the AC mains lead still connected to the unit but disconnected from a household mains socket while batteries are being used?	Disconnect the AC mains lead from the unit.	4
	Are the batteries flat?	Replace them with new ones. Alternatively, use a household mains socket as the power source.	
	Have the batteries been installed incorrectly with their (+) and (–) polarities reversed?	Align the (+) and (–) polarities properly.	
While listening to CDs			
“E” appears.	Incorrect operation has been done.	Operate the unit correctly by following the operating instructions.	
Play does not start. No display of track numbers, etc.	Has the CD been installed upside down?	Install the CD with the label side facing up.	10
	Has there been a sudden change in temperature? For instance, was the unit brought straight from a cold place into a warm location?	Condensation may have formed on the lens unit. Leave it for about an hour before attempting operation again.	
Certain sections are not played properly.	Is the CD dirty?	Wipe with a soft cloth.	14
	Is the CD scratched?	Replace with a new CD.	
While using the cassette deck			
No recording.	Has the tape’s accidental erasure-prevention tabs been broken off?	Cover the holes with adhesive tape.	14
High level of noise; poor sound quality.	Are the heads dirty?	Clean them.	See below
Tape is not ejected. The lid cannot be closed when loading the tape.	Are the batteries flat?	Replace them with new ones or, alternatively, use a household mains socket as the power source and press [■/▲ STOP/EJECT] after pressing [▶ PLAY].	4
While listening to the radio			
High level of noise; stations cannot be tuned in well.	Has the antenna been adjusted properly?	Try changing its direction.	9
Noise heard during AM reception.	Are you using the remote control of another appliance near the unit?	Use the remote control at a distance.	
	Are you operating the unit and a TV set at the same time?	Place the unit at a distance from the TV. Alternatively, turn off the TV’s power.	13
While using the remote control transmitter RX-D11 only			
No operation.	Are the batteries flat?	Replace them with new ones.	6
	Have the batteries been installed with their (+) and (–) polarities aligned properly?	Align the (+) and (–) polarities properly.	

Maintenance

If the surfaces are dirty

To clean this unit, wipe with a soft, dry cloth.

If the surfaces are extremely dirty, use a soft cloth dipped in a soap-and-water solution or a weak detergent solution.

- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

For a cleaner crisper sound

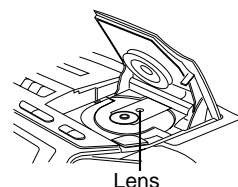
Clean the heads regularly to assure good quality playback and recording. Use a cleaning tape (not included).

Lens care

Open the CD lid and clean the lens with a blower (not included).

If the lens is extremely dirty, clean it with a cotton swab.

Recommended product: Lens cleaner kit (SZZP1038C)



Technical specifications

Radio

Frequency range

FM	87.50–108.00 MHz (50 kHz steps)
AM	522–1629 kHz (9 kHz steps)

CD player

Sampling frequency

44.1 kHz

Decoding

16 bit linear

Beam source

Semiconductor laser (wavelength 780 nm)

No. of channels

2 channel, stereo

Wow and flutter

Less than possible measurement data

D/A converter

MASH (1 bit DAC)

Tape recorder

Track system

4 track, 2 channel, stereo

Monitor system

Variable sound monitor

Recording system

AC bias

Erasing system

Multi Pole magnet

Frequency range

Normal position 50–12000 Hz

General

Speakers

10 cm 4 Ω x 2

Jacks

Output

PHONES: 3.5 mm stereo (32 Ω)

Power requirement

AC

230–240 V, 50 Hz

Power consumption: 11 W

Battery

9 V [Six (R20/LR20, D, UM-1) batteries]

- Do not use rechargeable type batteries.

Memory back-up for computer

3 V [Two (R6/LR6, AA, UM-3) batteries]

- Do not use rechargeable type batteries.

Dimensions (WxHxD)

460 x 168 x 268 mm

Weight

3.2 kg without batteries

Note

Specifications are subject to change without notice.

Weight and dimensions are approximate.