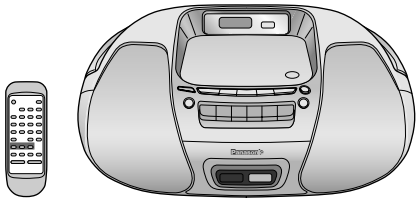


Panasonic®

Portable Stereo CD System

Operating Instructions



Model No. **RX-D29**
RX-D27



COMPACT
disc
DIGITAL AUDIO

Dear customer

Thank you for purchasing this product.

Before connecting, operating or adjusting this product, please read these instructions completely.

Please keep this manual for future reference.

These operating instructions fundamentally explain the operation of RX-D29.

IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

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



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:

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

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

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. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.

| | |
|-----------|---|
| CAUTION | INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM. (IEC60825-1 Class 2B) |
| ATTENTION | RAYONNEMENT LASER INVISIBLE DANGEREUX EN CAS D'OUVERTURE ET, LORSQUE LA SÉCURITÉ EST NEUTRALISÉE; EXPOSITION DANGÉREUSE AU FASCEAU. |
| ADVARSEL | USYNLIG LASERSTRÅLING VED ÅBNING. NÅR SIKKERHEDSÅBRYDERE ER UDE AF FUNKTION, UNDGÅ UDSÆTTELSE FOR STRÅLING. |
| VARO! | AVIATTAESSA JA SUOJALUKITUS OHITETTÄSSÄ OLET ALTIIVIA NÄKYMÄTÖNÄ LASERSÄTEILYLLE, ÄLÄ KÄTSÖ SÄTEESEEN. |
| VARNING | OSYNLIG LASERSTRÅLING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URÖPPPLAD. BETRÄKTA EJ STRÅLEN. |
| VORSICHT | UNSICHTBARE LASERSTRÄHLUNG, WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERREGELUNG ÜBERBRÜCKT, NICHT DEM STRAHL AUSSETZEN. |
| ADVARSEL | USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN. (IOLX)S00053 |

Inside of product

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.

Listening caution



Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer 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.

We recommend you to avoid prolonged exposure to excessive noise.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

THE FOLLOWING APPLIES ONLY IN THE U.S.A. AND CANADA

The following mark and symbols are located on bottom of the unit.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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



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



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

Supplied accessories

Please check and identify the supplied accessories. Use numbers indicated when ordering replacements or optional accessories from your Panasonic dealer.

In the U.S.A. to order accessories, refer to "Accessory Purchases" on page 11.

AC power supply cord (polarized) (RJA0065-1D) 1pc.

Remote control transmitter 1pc.

For RX-D29:(EUR648280)

For RX-D27:(EUR648278)

The model number and serial number of this product can be found on either the back or the bottom of the unit. Please note them in the space provided below and keep for future reference.

MODEL NUMBER _____

SERIAL NUMBER _____

User memo:

DATE OF PURCHASE _____

DEALER NAME _____

DEALER ADDRESS _____

TELEPHONE NUMBER _____

Maintenance

Cleaning inside the deck

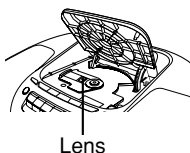
Clean the heads regularly to assure good quality playback and recording. Use a cleaning tape (not included).

Care of the CD lens

Clean the lens regularly to prevent malfunctions. Use a blower to remove dust and a cotton swab if it is extremely dirty.

Recommended product:

Lens cleaner kit (part no. SZZP1038C).



THE FOLLOWING APPLIES ONLY IN THE U.S.A.

CAUTION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

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

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
- Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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Product Service

1. Damage requiring service—The unit should be serviced by qualified service personnel if:

- The AC power supply cord or AC adaptor has been damaged; or
- Objects or liquids have gotten into the unit; or
- The unit has been exposed to rain; or
- The unit does not operate normally or exhibits a marked change in performance; or
- The unit has been dropped or the cabinet damaged.

2. Servicing—Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.

3. Replacement parts—When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.

4. Safety check—After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

Product information

For product information or assistance with product operation:

In the U.S.A., refer to "Customer Services Directory" on page 11.

For assistance in the continental U.S.A. in obtaining repairs please ship the product to:

Panasonic Services Company - Customer Servicer
Suite B 4900 George McVay Drive
McAllen, TX 78503

In Puerto Rico contact the Panasonic Sales Company.

Tel.(787) 750-4300

Fax.(787) 768-2910

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone number where you can be reached.

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Also, the purchaser will be responsible for shipping the unit to the above address.

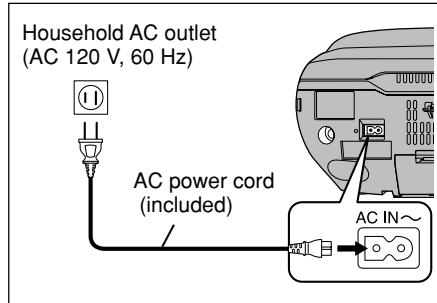
In Canada, contact the Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or visit the website (www.panasonic.ca), or an authorized Servicer closest to you.

Power sources

The unit can be powered with household AC power or dry cell batteries (not included). Insert memory batteries (not included) to save the current time, stored timer settings and radio stations.

Using a household AC outlet

Connect the AC power supply cord firmly to the unit and the outlet.

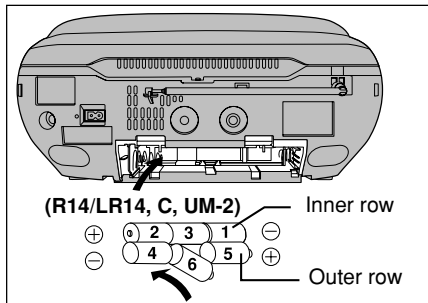


Note

The included AC power supply cord is for use with this unit only. Do not use it with other equipment.

Using batteries (not included)

The unit cannot be powered by batteries if the AC power supply cord is connected.



When to change the batteries

When the battery indicator begins flashing, replace all 6 of the batteries. It is also a good idea to replace all the batteries before recording.



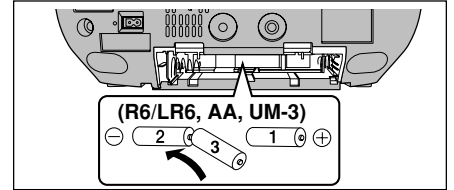
Note

Before playing starts the battery indicator may flash although the batteries are not drained. It appears correctly once you start play.

Memory back-up

Insert batteries (not included) to save the current time, timer settings and radio stations you have set. If memory batteries are not used, memory items are erased in the following situations:

- Power failures,
- The AC power supply cord is disconnected from the power outlet,
- The AC power supply cord is connected to the unit while the unit is being powered by batteries. These batteries do not power the unit.



When to change the batteries

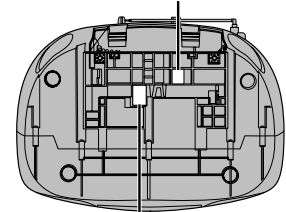
The batteries last about a year. Connect the unit to AC power before replacing the batteries.

Before connecting or disconnecting the AC power supply cord, press [TAPE/OFF] and stop the tape to turn the unit off. The memory batteries are worn out faster if the cord is disconnected with the power still on.

Removing the batteries

Open the battery cover and insert your finger in the hole on the bottom of the unit and push out. (Remove the power batteries first.)

For R14/LR14, C, UM-2

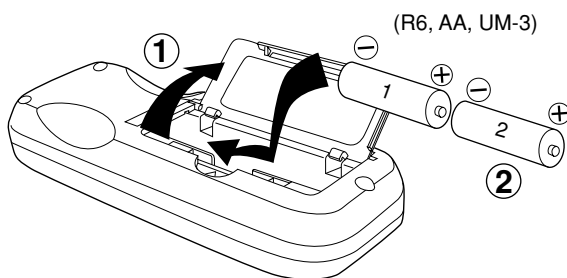


For R6/LR6, AA, UM-3

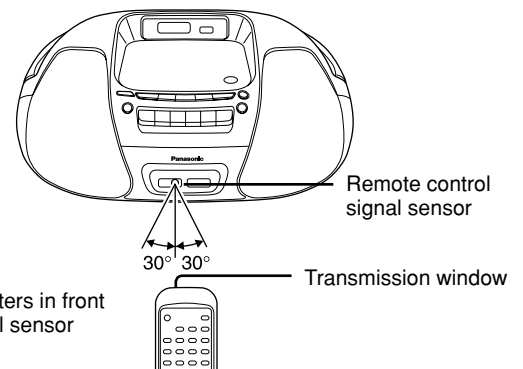
Concerning the remote control

Battery installation

Insert the batteries (not included) observing the correct polarities (+, -).



Correct method of use



Operation notes

- Do not place obstacles between the remote control signal sensor and the remote control unit.
- Do not expose the remote control signal sensor to direct sunlight or to the bright light of 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.

Controls

Main unit:

Tape mode/standby switch (TAPE/OFF)

Press [TAPE/OFF] and stop the tape to turn the unit off.
The unit is in the standby condition when the AC power supply cord is connected.
The primary circuit is always "live" as long as the power cord is connected to an electrical outlet.

Tune mode select button (TUNE MODE)

CD lid

Tuner mode/band select/auto preset button (TUNER/BAND -AUTO PRESET)

CD stop button (■)

Display

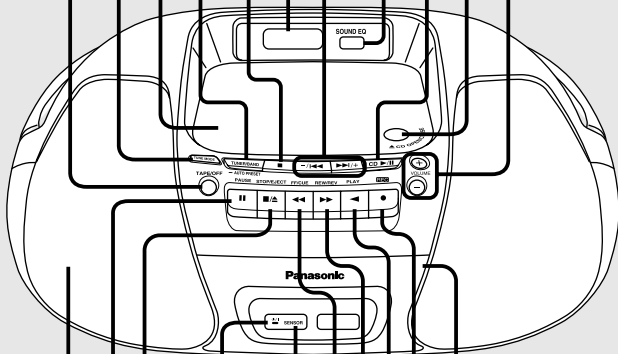
Tuning/CD skip, search buttons (-/◀, ▶/+/)

Sound equalizer select button (SOUND EQ)

CD play/pause button (CD ▶/||)

CD lid open/close (▲ CD OPEN/CLOSE)

Volume control buttons (VOLUME +, -)



Cassette deck

Record button (● REC)

Tape play button (◀ PLAY)

Rewind/review button (▶▶ REW/REV)

Fast-forward/cue button (◀◀ FF/CUE)

Remote control signal sensor (SENSOR)

Standby/on indicator (Ⓞ/I)

The indicator lights green when the unit is turned on.
When the AC power supply is used, it functions as an AC connection indicator. (The indicator color changes to red when the unit is turned off.)

Stop/eject button (■/▲ STOP/EJECT)

Pause button (|| PAUSE)

Speaker

Note

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

Remote control:

The functions of the buttons without descriptions are the same as on the main unit.

Timer set/check button (TIMER SET/CHECK)

Sleep timer button (SLEEP)

Clock display button (DISPLAY)

Clock/timer adjust button (CLOCK/TIMER ADJ)

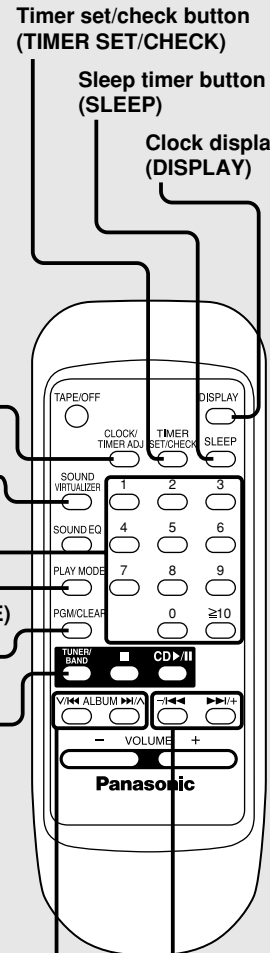
Sound virtualizer button (SOUND VIRTUALIZER)

Numbered buttons

CD play mode/FM mode select button (PLAY MODE)

Program/clear button (PGM/CLEAR)

Tuner mode/band select button (TUNER/BAND)



Normal tuning/CD skip, search/clock, timer adjust buttons (-/◀, ▶/+/)

RX-D29

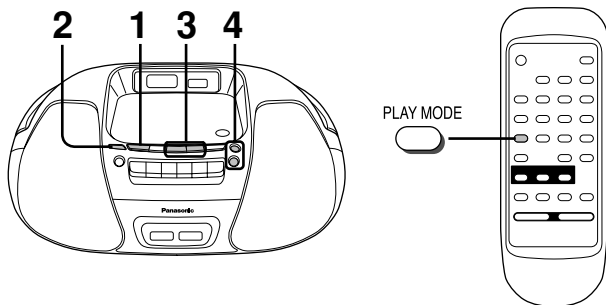
Preset channel select/album skip buttons (√/◀ ALBUM ▶/∧)

RX-D27

Preset channel select buttons (∨ PRESET TUNE ∧)

Listening to radio broadcasts

Normal tuning



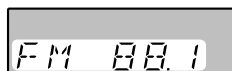
- 1 Press [TUNER/BAND –AUTO PRESET] to select “FM” or “AM”.

(Unit comes on.)

- 2 (Omit this step if using the remote control) If “PGM” is on the display, press [TUNE MODE] to clear it.



- 3 Press [– / <<<] or [>>> / +] to tune to the desired station.



Automatic tuning

Press and hold [–/<<<] or [>>>/+] then release when the frequency display starts to change. A station with good reception is automatically selected and the process stops.

To stop automatic tuning, press [–/<<<] or [>>>/+] again.

Note

Automatic tuning may stop on a frequency where there is no station if there is interference. Press [–/<<<] and [>>>/+] to tune if this occurs.

- 4 Adjust the volume.

To improve reception

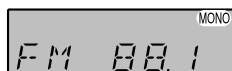
FM: Extend the whip antenna and adjust its direction.
AM: Adjust the position of the unit.

If noise is excessive in the FM stereo mode

Press [PLAY MODE] on the remote control. (“MONO” lights up.)

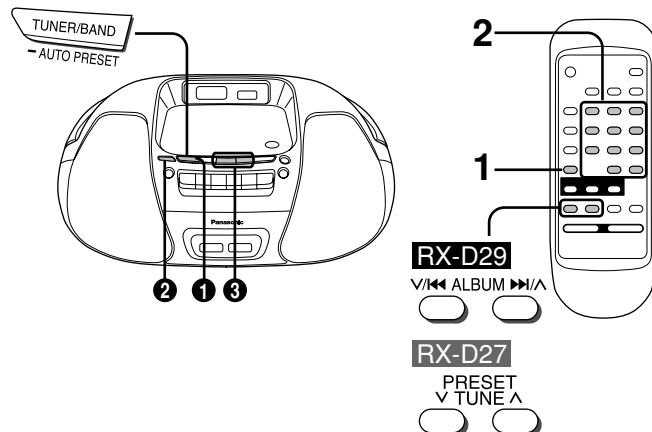
Sound will be produced in monaural, but this also reduces noise.

Press the button again to cancel. (“MONO” goes out.)



Preset tuning

Preset the stations (20 FM and 12 AM) to make tuning simpler.



Automatic presetting

Do the following once each for FM and AM.

Preparations: Press [TUNER/BAND –AUTO PRESET] to select “FM” or “AM”.

Press and hold [TUNER/BAND –AUTO PRESET] on the main unit until “AUTO” is displayed.

The tuner presets stations it can receive into the channels.

Manual Presetting

Remote control only

Presets one station at a time.

- 1 Press [PGM/CLEAR].



- 2 While “PGM” is flashing (about 10 seconds)

Press the numbered buttons to select a channel.

To select channel 10 or higher

e.g.12: [≥10] → [1] → [2]

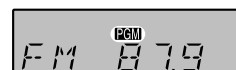
Repeat the above to preset other stations.

The station occupying a channel is erased if another station is preset in that channel.

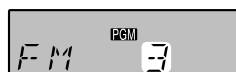
To listen to preset channels

- 1 Press [TUNER/BAND –AUTO PRESET] to select “FM” or “AM”.

- 2 (Omit this step if using the remote control) Press [TUNE MODE] to display “PGM”.



- 3 Press [– / <<<] or [>>> / +] to select the desired channel. (FM:1-20, AM:1-12)



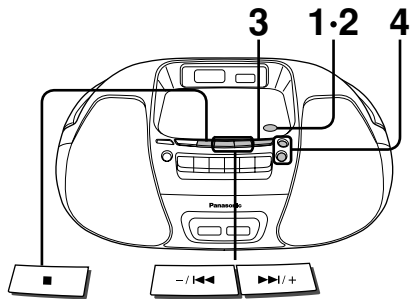
Remote control:

[✓ / <<< ALBUM] (✓ PRESET TUNE)
or [ALBUM >>> / ^] (PRESET TUNE ^)

Preset channel

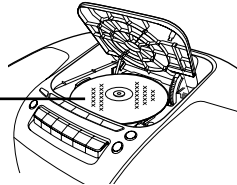
Listening to CDs

Normal play



- 1 Push [▲ CD OPEN/CLOSE] to open the CD lid and insert the CD.

Label must face upward.



- 2 Push [▲ CD OPEN/CLOSE] to close the CD lid.

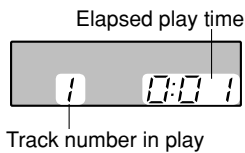
- 3 Press [CD ▶/||] to start play.

(Unit comes on.)

Play starts from the first track and continues to the last track.

RX-D29 only

When playing MP3, "MP3" is displayed.



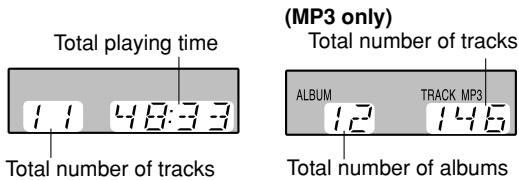
Track number in play

- 4 Adjust the volume.

To stop play

Press [■].

While stopped, the number of tracks on the CD is displayed.



To pause

Press [CD ▶/||] during playback.
To resume, press [CD ▶/||].

To search forward/ backward

Hold down [-/⏮] (backward) or [▶/+] (forward) during playback or when paused.
You cannot search while playing MP3.

To skip forward/ backward

Press [-/⏮] (backward) or [▶/+] (forward) during playback or when paused.

Display

"NO DISC" is displayed if there is no disc in the unit.

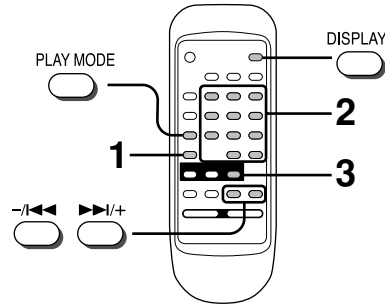
Note

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

This unit can play CD-DA (digital audio) format audio CD-R and CD-RW that have been finalized (a process that enables CD-R/CD-RW players to play audio CD-R and CD-RW) upon completion of recording. It may not be able to play some CD-R or CD-RW due to the condition of the recording.

Program play

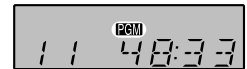
You can program up to 24 tracks.



Remote control only

Ensure CD is stopped before programming.

- 1 Press [PGM/CLEAR].



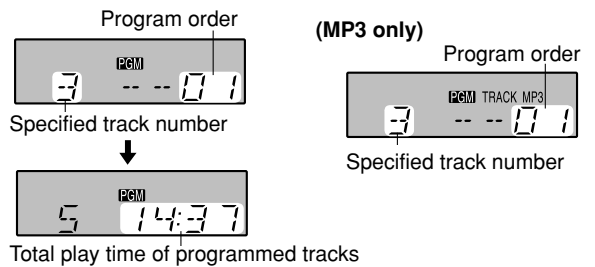
- 2 Enter the track number with the numbered buttons.

To select a two digit number

e.g. 16: [≧10] → [1] → [6]

To select a three digit number (MP3 only)

e.g. 226: [≧10] → [≧10] → [2] → [2] → [6]



Repeat step 2 until you have programmed all the tracks you want.

- 3 Press [CD ▶/||].

To cancel program play mode

Press [PGM/CLEAR] while stopped. "CLEAR" is displayed.

The mode is also canceled if the CD tray is opened.

This will also erase the entire program.

To check program contents

"P" appears in the display when play is stopped.

Press [-/⏮] or [▶/+] when "P" is displayed.

To check while programming press [DISPLAY] twice and after "P" appears, press [-/⏮] or [▶/+] .

Display

"---:---": Program equals, or exceeds, 100 minutes but programming and play are still possible.

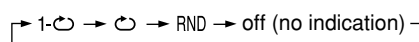
"FULL": 24 tracks have already been programmed. The program is full.

CD play modes

Remote control only

You can repeat one track (1-🔄), all tracks (🔄) or play the tracks in random order (RND).

Press [PLAY MODE] before or during playback to select the desired mode.



RX-D29 only

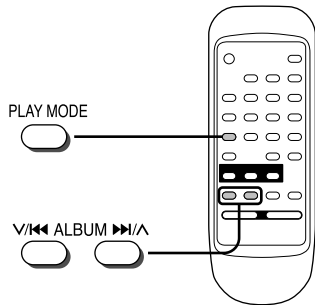
When playing MP3, see page 8.

These modes remain active until the indicators are cleared.

You can use repeat mode with program play.

Note

- During play, you cannot select random play.
- Random and program play cannot be performed at the same time.



Starting play from an album (album skip)

Remote control only

Select the album with [V/ALBUM] or [ALBUM/FF/REV/REV/FF/REV/REV].

Playing only an album

Remote control only

You can play (ALBUM) or repeat play (ALBUM) tracks only in the selected album.

Press [PLAY MODE] before or during playback to select the desired mode.

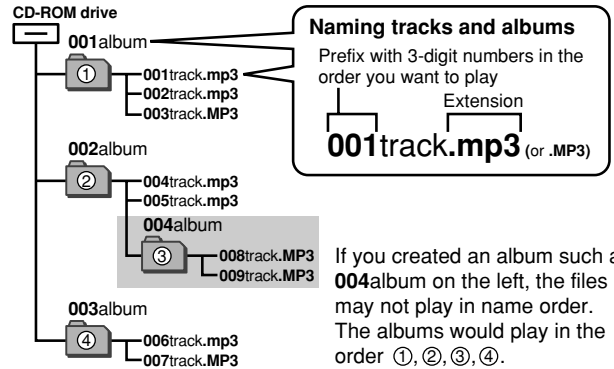
1- → → → ALBUM → ALBUM → off (no indication)

- You can select another album with album skip.
- You cannot use random play with MP3.

This unit can play MP3, a method of compressing audio without overly hurting audio quality.

When creating MP3 files to play on this unit

Disc formats: ISO9660 level 1 and level 2 (except for extended formats)



Naming tracks and albums
Prefix with 3-digit numbers in the order you want to play
Extension
001track.mp3 (or .MP3)

If you created an album such as 004album on the left, the files may not play in name order. The albums would play in the order ①, ②, ③, ④.

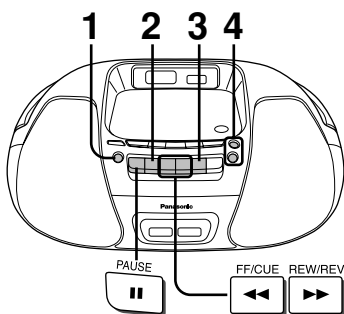
Title names and album names are not displayable on this unit.

Limitation on MP3

- This unit is compatible with multi-session but if there are a lot of sessions it takes more time for play to start. Keep the number of sessions to a minimum to avoid this.
- This unit cannot play files recorded using packet write.
- If a CD-ROM format CD contains MP3 and files other than MP3, only the MP3 files will be playable.
- Depending on how you create MP3 files, they may not play in the order you numbered them or may not play at all.

Listening to tapes

This unit is suitable for playing normal tapes, but high and metal position tapes will not be played to their full potential.

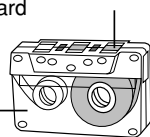


1 Press [TAPE/OFF].

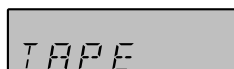
2 Press [STOP/EJECT] to open the deck and load a cassette. Close deck by hand.

Exposed tape facing upward

Side to be played facing you



3 Press [PLAY] to start play. Unit comes on and play starts.



4 Adjust the volume.

To stop play

Press [STOP/EJECT]. (Unit is switched off.)

| | |
|----------------------------------|--|
| To pause | Press [PAUSE] during playback. To resume, press [PAUSE]. |
| To rewind/fast-forward | Press [REW/REV] (to rewind) or [FF/CUE] (to fast-forward) <u>in the stop mode</u> . |
| To find a particular spot | Press [REW/REV] (to search backward) or [FF/CUE] (to search forward) <u>during playback</u> . Play is resumed when the button is released. |

Note

- The unit is on in the pause mode. Stop tape to turn the unit off by pressing [STOP/EJECT] when leaving the unit.
- 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.
- Tapes exceeding 100 minutes are thin and can break or get caught in the mechanism.
- Tape slack can get caught up in the mechanism and should be taken up before the tape is played.
- Endless tapes can get caught up in the deck's moving parts if used incorrectly.
- Sound quality may be effected and the cassette tape may become stuck if you do not adhere to the following.
 - Do not use other stickers not included with the cassette tape.
 - Place stickers on the cassette tape only as indicated.

Full auto-stop

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

Recording

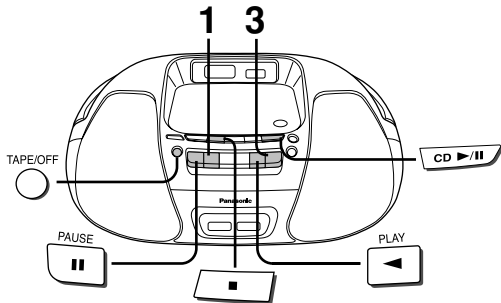
You can record radio broadcasts or CDs.

Before recording

- This unit is suitable for recording normal tapes, but it cannot record onto high and metal position tapes to their full potential and prior recordings will not be erased correctly.
- The recording level is set automatically.
- Take up the leader tape before proceeding.



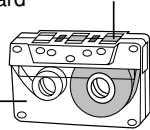
Leader tape (Recording cannot be made.)



1 Press [■ / ▲ STOP/EJECT] to open the deck and load a cassette.

Close deck by hand.

Exposed tape facing upward



Side to be recorded facing you

2 Select the source to be recorded.

When recording radio broadcasts

Tune in the station. (Perform steps 1–3 of “Normal tuning” on page 6.)

When recording CDs

Insert the CD to be recorded.

(Perform steps 1 and 2 of “Normal play” on page 7.)

Press [CD ► / ■] and then [■] to switch to CD mode.

If you want to record programmed tracks, program desired tracks before proceeding to step 3.

3 Press [● REC] to start recording.

[◀ PLAY] is also depressed with [● REC].

Recording starts (one side only).

The CD also starts playing if in CD mode.

To stop recording

Press [■ / ▲ STOP/EJECT]. (The CD does not stop.)

To stop recording temporarily

Press [■ PAUSE]. (The CD does not stop.)

Press once again to resume recording.

To record on the other side of the cassette

Turn the cassette over and press [● REC].

If the CD finishes before the cassette

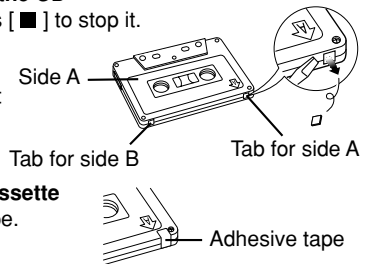
Recording continues. Press [■ / ▲ STOP/EJECT] to stop it.

If the cassette finishes before the CD

The CD continues playing. Press [■] to stop it.

Erase protection

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



To re-record on a protected cassette

Cover the hole with adhesive tape.

To erase a tape

1. Press [TAPE/OFF].

2. Insert the cassette with the side to be erased facing towards you and the exposed tape facing up.

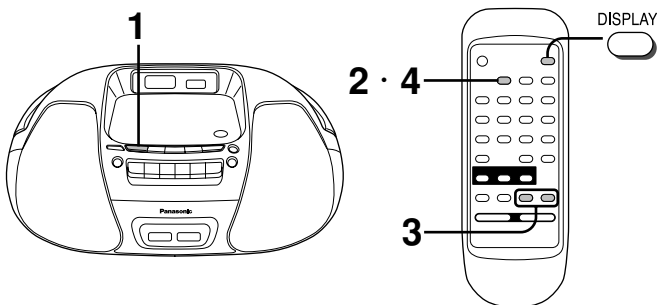
3. Press [● REC].

[◀ PLAY] is depressed at the same time.

Note

- Noise may be recorded if this unit is near a TV. Keep the units at least 1.5 meters apart.
- Changes to volume and sound quality do not affect recording.
- To prevent interruptions to recording, make sure there is constant AC power supply to the unit or replace the batteries.
- While recording you cannot perform the following operations.
 - Switching play of the source (CD, Radio, Tape)
 - Switching the radio AM/FM frequency
 - CD skipping, searching

Setting the time



This is a 12-hour clock.

1 Press [TUNER/BAND – AUTO PRESET] to turn the unit on.

You can also use [CD ► / ■], [◀ PLAY] to turn the unit on.

Remote control only

2 Press [CLOCK/TIMER ADJ] once.



3 Within 10 seconds

Press [- / ◀◀] or [▶▶ / +] to set the time.

Press and hold to change the time faster.



Remote control only

4 Press [CLOCK/TIMER ADJ].

To switch to clock display

Press [DISPLAY].

Clock display ↔ Current display

Displaying the clock temporarily

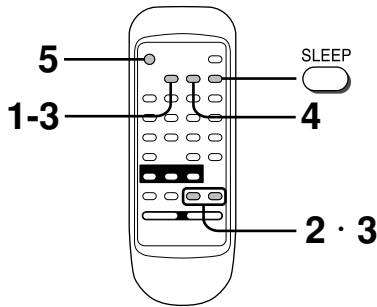
Press [CLOCK/TIMER ADJ].

The clock is shown for about 10 seconds.

Note

The clock is accurate to within ± 60 seconds a month. Readjust if necessary.

Using the timers (Remote control only)



Using the play timer

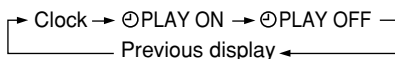
The play timer can be set to a certain time to wake you up.

Preparations:

- Turn the unit on and set the clock. (Perform the "Setting the time" steps on page 9.)
- Prepare the music source you want to listen to and set the volume.

Setting the start and finish times

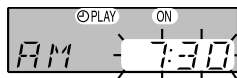
1 Press [CLOCK/TIMER ADJ] to select "⊖ PLAY ON".



- ⊖ PLAY ON: to set the start time
- ⊖ PLAY OFF: to set the finish time

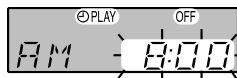
2 During "⊖ PLAY ON" display within approx. 10 seconds

- 1 Press [- / ⏪] or [▶ / +] to select the start time.
- 2 Press [CLOCK/TIMER ADJ].



3 During "⊖ PLAY OFF" display

- 1 Press [- / ⏪] or [▶ / +] to select the finish time.
- 2 Press [CLOCK/TIMER ADJ].



Turning the timer on

4 Press [TIMER SET/CHECK] to display "⊖ PLAY".

The settings are shown in the following order: start time → finish time



5 Press [TAPE/OFF] and stop the tape to turn the unit off. The unit must be off for the timer to operate.

If the unit is on, the timer will not function.

Play will start in the set condition at the set time.

To cancel the timer (when the unit is on)

Press [TIMER SET/CHECK] to clear the timer indicator from the display. The timer comes on at the set time everyday if the timer is on.

To change the settings (when the unit is on)

To change the play times

Perform steps 1, 2, 3 and 5.

To change the source or volume

1. Press [TIMER SET/CHECK] to clear the timer indicator from the display. If the settings are shown, press one more time.
2. Make changes to the source or volume.
3. Perform steps 4 and 5.

To check the settings (when the unit is off)

Press [TIMER SET/CHECK].

The settings are shown in the following order: start time → finish time → source → volume → current time

You can enjoy other sources after you have set the timer.

Turn the unit off before the timer's start time.

Note

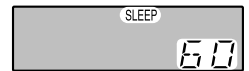
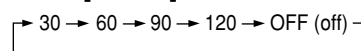
If you turn the unit off and on again while a timer is functioning, the finish time setting will not be activated.

Using the sleep timer

Set the unit to stop and turn off after a certain time.

While enjoying the desired source

Press [SLEEP] to select the desired time (in minutes).



To confirm the remaining time (when the unit is on)

Press [SLEEP].

To change the setting

Press [SLEEP] to select the new setting.

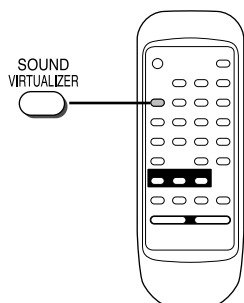
Note

- The play and sleep timer can be used together.
- The sleep timer always has priority. Be sure not to overlap timer settings.

3D sound with the Sound Virtualizer

Remote control only

You can create a three-dimensional sound field when listening to stereo sound.



Press [SOUND VIRTUALIZER] to display "|||||". Press again to cancel.

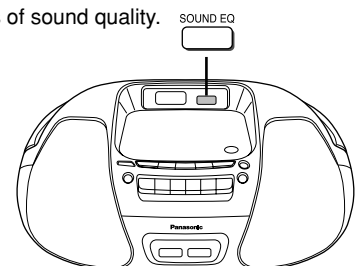
Note

- Recordings are unaffected by this feature.
- The actual effect depends on the source played.

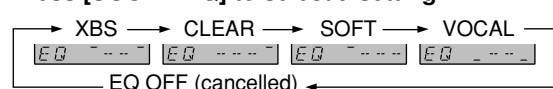
Sound quality

You can choose one of four types of sound quality.

- XBS:** Adds punch to rock
- CLEAR:** Clarifies higher sounds
- SOFT:** For background music
- VOCAL:** Adds gloss to vocals



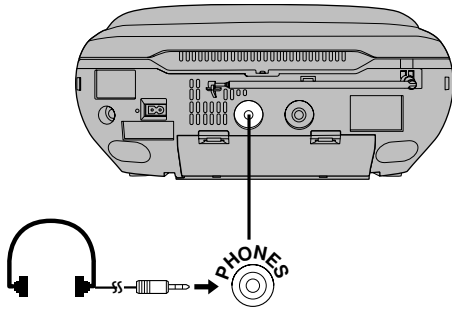
Press [SOUND EQ] to select a setting.



Using headphones (not included)

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

Plug type: 3.5 mm (1/8") stereo



Note

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

Audio software

Take note of the following points to extend the life of your equipment. Always read the instructions provided with the software.

Discs

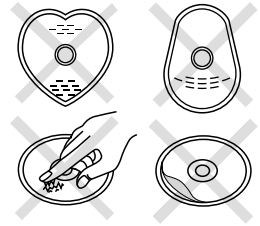
Choose discs with this mark:



Continued use of irregular shaped CDs can damage the unit.

Do not

- use CDs that have extra labels or stickers attached.
- attach scratch-proof covers or any other kind of accessory.
- write anything on the CD.
- clean CDs with liquids. Wipe with a soft, dry cloth.
- use CDs printed with label printers available on the market.
- load a blank CD-R as it will cause abnormal malfunction and may damage the CD-R.



Limited Warranty (ONLY FOR U.S.A.)

Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation of America
One Panasonic Way Secaucus, New Jersey 07094

Panasonic Sales Company, Division of Matsushita Electric
of Puerto Rico, Inc.,
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic Portable Audio Products Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

| Product or Part Name | Parts | Labor |
|---|---------------|----------------|
| All Portable Audio Products except item listed below | One (1) Year | One (1) Year |
| Rechargeable batteries (in exchange for defective item) | Ten (10) Days | Not applicable |

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty excludes both parts and labor for batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

Mail-In Service

For assistance in the continental U.S.A. in obtaining repairs please ship the product to:

Panasonic Services Company
Customer Servicenter
Suite B
4900 George McVay Drive
McAllen, TX 78503

For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone number where you can be reached.

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE".

THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but are for illustration only.)

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

<http://www.panasonic.com/support>
or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at:
1-800-211-PANA (7262),
Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

<http://www.pasc.panasonic.com>
or, send your request by E-mail to:

npcparts@panasonic.com

You may also contact us directly at:
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday - Friday 9 am to 8 pm, EST.)
Panasonic Service Company
20421 84th Avenue South, Kent, WA 98032
(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

For hearing or speech impaired TTY users, TTY: 1-866-605-1277

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/Factory
Servicenter:
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787)750-4300, Fax (787)768-2910

Troubleshooting guide

Before requesting service, make the following checks. 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 "Customer Services Directory" on page 11 if you reside in the U.S.A., or refer to the "Product information" on page 3 if you reside in Canada.

Reference pages are shown as black circled numbers ④.

Common Problems

| | |
|-------------------------------------|--|
| The unit doesn't work on batteries. | Is the AC power supply cord connected to the unit? Disconnect when using batteries. Have the batteries been inserted correctly? Check that the poles (+ and -) are correctly aligned. ④ |
| "U01" is displayed. | Replace the batteries or use household AC power. |

CD

| | |
|--|---|
| "ERROR" is displayed. | Indicates an incorrect operation. Read the instructions. |
| Play doesn't start or display is incorrect. | Clean the CD. |
| | Wait for an hour for condensation to dry, then try again. |
| | Make sure the label is facing up. |
| | Replace the CD if it is scratched, warped, or irregularly shaped. |
| | RX-D29 only Play of a multi-session disc may not be possible if there is a blank data segment between sessions. |
| RX-D29 only If there is large JPEG data etc. within a MP3 file, sound may become muted and play may not be possible. | |
| RX-D29 only If you try playing a CD that contains MP3 format data and normal audio data (CD-DA), output from one of the above may become silent, and play may not be possible. | |
| CD-RW cannot be read. | The disc was incompletely formatted. Use the recording equipment to fully format the disc before recording. |

Cassette

| | |
|--|--|
| Recording not possible. | Has the cassette's tab been removed? Cover the hole with adhesive tape. ⑨ |
| Poor sound quality. | Clean the heads. ③ |
| The cassette cannot be ejected or the lid can't be closed when loading a cassette. | The batteries are flat. Replace the batteries or connect to household AC power. Press [◀ PLAY] then [■/▲ STOP/EJECT]. |

Radio

| | |
|-----------------|---|
| A lot of noise. | Is another remote control being used? Use it further away from this unit. Is a TV on? Move the unit away from the TV or turn it off. |
|-----------------|---|

Remote control

| | |
|----------------------------------|--|
| The remote control doesn't work. | Check the batteries are inserted correctly. ④ Replace the batteries if they are worn. |
|----------------------------------|--|

Specifications

| | | | |
|------------------------------|---|---------------------------|---|
| Frequency range | FM 87.5–108.0 MHz (100 kHz steps) AM 520–1710 kHz (10 kHz steps) | Power requirement | AC 120 V, 60 Hz Power consumption: (RX-D29) 14 W (RX-D27) 10 W |
| Sampling frequency | 44.1 kHz | Battery | 9 V (Six R14/LR14, C, UM-2 batteries) • Do not use rechargeable type batteries. |
| Decoding | 16 bit linear | Memory back-up | 4.5 V (Three R6/LR6, AA, UM-3 batteries) • Do not use rechargeable type batteries. |
| Beam source | Semiconductor laser (wavelength 780 nm) | Dimensions (WxHxD) | 408 x 163 x 273 mm (16 1/16" x 6 7/16" x 10 3/4") |
| No. of channels | 2 channel, stereo | Mass | (RX-D29) 3.5 kg (7 lb. 12.5 oz.) without batteries (RX-D27) 3.3 kg (7 lb. 5.5 oz.) without batteries |
| Wow and flutter | Less than possible measurement data | | |
| D/A converter | 1 bit DAC | | |
| 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 | | |
| Speakers | | | |
| Full range | (RX-D29) 8 cm (3 3/20") 3 Ω x 2 (RX-D27) 8 cm (3 3/20") 4 Ω x 2 | | |
| Tweeter (RX-D29 only) | 1.5 cm (19/32") 1 kΩ x 2 | | |
| Jacks | | | |
| Output | PHONES: 3.5 mm stereo (32 Ω) | | |

| | |
|------------------------------------|----------------------------------|
| Power consumption in standby mode: | (RX-D29) 2.3 W (RX-D27) 1.1 W |
|------------------------------------|----------------------------------|

Note

Specifications are subject to change without notice.
Mass and dimensions are approximate.

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America
One Panasonic Way Secaucus, New Jersey 07094
<http://www.panasonic.com>

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