

AKAI

Operator's manual

MICRO MUSIC SYSTEM
QX-4100

AKAI

AKAI ELECTRIC CO., LTD. JAPAN
www.akai.com



Operator's Manual	(GB) 1 ~ 12
-------------------	-------------

Mode d'emploi	(FR) 13~24
---------------	------------

Gebruiksaanwijzingen	(NL) 25~36
----------------------	------------

TABLE OF CONTENTS

IMPOTANT SAFETY INSTRUCTIONS	2-3
PREPARATION FOR USE	4
LOCATION OF CONTROLS AND INDICATORS	5-7
OPERATING INSTRUCTIONS	7-8
CARE OF MAINTENANCE	9
TROUBLESHOOTING GUIDE	10
LABEL MENTION	11
SPECIFICATION	12

IMPORTANT SAFETY INSTRUCTIONS

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

ATTENTION: To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside the unit. Refer all servicing to qualified personnel.



The lightning flash with arrowhead symbol within the triangle is a warning sign alerting the user of "dangerous voltage" inside the unit.



The exclamation point within the triangle is a warning sign alerting the user of important instructions accompanying the product.

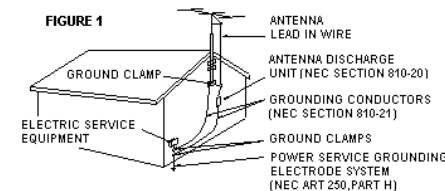


CAUTION: Invisible laser radiation when open and interlocks defeated. Avoid exposure to beam.

- 1. READ INSTRUCTIONS** - All the safety and operating instructions should be read before the product is operated.
- 2. RETAIN INSTRUCTIONS** - The safety and operating instructions should be retained for future reference.
- 3. HEED WARNINGS** - All warnings on the product and in the operating instructions should be adhered to.
- 4. FOLLOW INSTRUCTIONS** - All operating and use instructions should be followed.
- 5. CLEANING** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 6. ATTACHMENTS** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 7. WATER AND MOISTURE** - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- 8. ACCESSORIES** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. A Product and Cart Combination Should Be Moved with Care - Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.
- 9. VENTILATION** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation, such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 10. POWER SOURCES** - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 11. GROUNDING OR POLARIZATION** - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature: If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 12. POWER-CORD PROTECTION** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where exit from the product.
- 13. NONUSE PERIODS** - The power cord of the product should be unplugged from the outlet when left unused for long periods of time.

14. OUTDOOR ANTENNA GROUNDING

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.



15. LIGHTENING - For added protection for this product during a lightening storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightening and power-line surges.

16. POWER LINES - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. OVERLOADING - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

18. OBJECT AND LIQUID ENTRY - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. SERVICING - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. DAMAGES REQUIRING SERVICE - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.

- a) When the power-supply cord or plug is damaged.
- b) If liquid has been spilled, or objects have fallen into the product.
- c) If the product has been exposed to rain or water.
- d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- f) When the product exhibits a distinct change in performance - this indicates a need for service.

21. REPLACEMENT PARTS - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

22. SAFETY CHECK - Upon completion of any service or repair to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. HEAT - The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

PREPARATION FOR USE

Unpacking and Setup

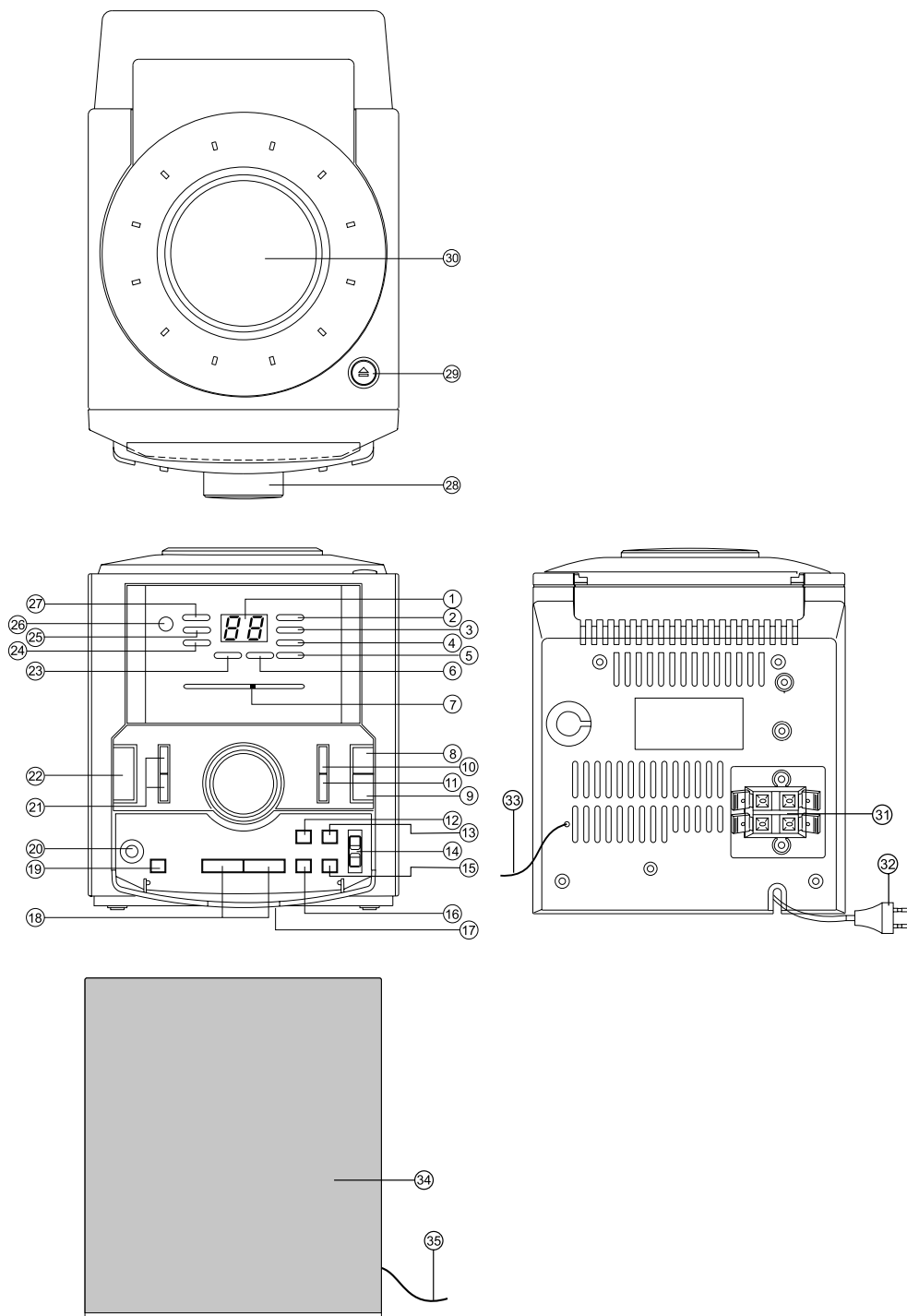
- * Carefully remove the unit from the display carton and remove all packing material from the unit itself.
- * Remove any descriptive labels that may be found on either the front or top cabinet of the unit. Do not remove any labels located on either the back or bottom cabinet of the unit.
- * Open the CD compartment door. There is a white card in the CD compartment which is intended to prevent the CD pickup from moving during shipment of the product. Remove this card from the CD compartment before use.

Power Sources

This audio system is designed to operate on 230V AC 50Hz house current. Attempting to operate this unit from any other power source may cause damage to unit, which is not covered by your warranty.

AC Operation

- Unwind the AC cord and extend it to its full length. Insert the AC plug into any convenient 230V AC 50Hz household outlet.
- * Hold the plug to disconnect it from the mains outlet. Do not pull the power cord.
 - * When the plug of the unit is connected to the mains outlet, the unit will be still connected to AC even if the power is turned off.
 - * Disconnect the plug as soon as liquid or objects enter the unit. The unit cannot be used until being checked by experts.

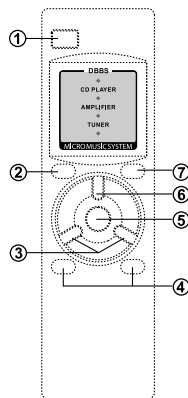


CONTROLS IDENTIFICATION

1. CD TRACK NUMBER DISPLAY
2. FM STEREO LED INDICATOR
3. REPEAT LED INDICATOR
4. PLAY LED INDICATOR
5. X-BASS LED INDICATOR
6. MIX LED INDICATOR
7. DIAL SCALE AND POINTER
8. CD BUTTON
9. TUNER BUTTON
10. >|| CD PLAY/PAUSE BUTTON
11. □ CD STOP BUTTON
12. MIX BUTTON
13. MONO ■ /STEREO ■ SELECTOR
14. BAND SWITCH (AM / FM)
15. REPEAT BUTTON
16. PROG. BUTTON
17. CONTROL BUTTON COVER
18. CD << SKIP/FAST SEARCH >>|| BUTTON (FORWARD AND BACKWARD)
19. X-BASS BUTTON
20. PHONES JACK
21. VOLUME + / - BUTTON
22. POWER ON/OFF
23. PROGRAM LED INDICATOR
24. CD LED INDICATOR
25. TUNER LED INDICATOR
26. REMOTE SENSOR
27. STANDBY LED INDICATOR
28. TUNING KNOB
29. CD DOOR EJECT BUTTON
30. CD COMPARTMENT
31. SPEAKER TERMINAL
32. AC POWER CORD
33. FM ANTENNA WIRE
34. SPEAKER BOX
35. SPEAKER WIRE

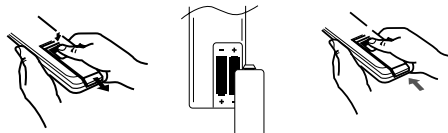
REMOTE HANDSET

1. **⏻ STAND BY** : turn unit on/off (STANDBY mode)
2. **CD** : turn CD mode on
3. **⏮ SKIP / SEARCH ⏭** : skip the CD track or search within a track.
4. **VOLUME + / -** : turn volume up / down
5. **▶|| PLAY** : play or pause CD play
6. **⏹ STOP** : stop CD play
7. **TUNER** : turn tuner mode on and select waveband



USE OF REMOTE CONTROL

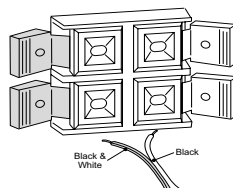
1. Open the Battery Compartment
2. Insert two AAA batteries (not supplied), make sure to match “+” and “-” of the batteries to marks in the battery compartment.
3. Close the battery compartment.
4. Point the remote control at the remote sensor, operate in the range of 5 meters and 60° from the front of the remote sensor. Make sure there is no barrier between them.



- Notes:**
1. Batteries can last for about 6 months generally. Change the batteries if the remote control does not work.
 2. If the remote control is not used for a long time, remove the batteries to prevent battery leakage.
 3. Do not charge, heat open, or short-circuit the batteries. Do not throw batteries into a fire.
 4. Use only the size and type of batteries specified.
 5. Do not mix different types of batteries together (e.g. alkaline and carbon-zinc) or old batteries with fresh ones.
 6. Weak batteries can leak and severely damage the unit.
 7. Always remove batteries as soon as they become weak.
 8. For the best performance it is recommended the batteries of remote control handset be replaced on a yearly basis, or when remote control operation becomes erratic.

CONNECT THE SPEAKER

1. Loose the Speaker Wire(35) and connect to the Speaker Terminal(31), **BLACK/WHITE** wire connect to **RED** terminal, **BLACK** wire connect to **BLACK** terminal.
2. Locate two speakers to a far distance can get the good stereo effect.



CONNECT THE HEADPHONE

1. This unit can accept stereo headphones (not included) with a 3.5 mm plug and an impedance of 32 ohms or greater.
2. Connect your headphone to the phones jack (13) of the unit, and the speakers will cut off automatically.

POWER SUPPLY

This set operates at AC 230V - 50Hz

1. Insert the AC Power Cord(32) into a convenient standard outlet.



Note: If the unit is switched off by pressing the STANDBY button on the remote control, it will be kept in the memory of standby. To turn on the unit:

- by pressing the STANDBY button on the remote control or
- by pressing the POWER ON/OFF button (22) on the unit. Wait for about 5 seconds, press the same button again. The unit will be reset to tuner mode and the tuner LED indicator (25) will light on.

LISTENING TO THE TUNER

1. Press the POWER ON/OFF (22).
2. Press the TUNER Button(9), the TUNER LED Indicator(25) will light up.
3. Open the Control Button Cover(17).
4. Select AM/FM band by the Band Switch (14).
5. Select your radio station by turning TUNING Knob(7 & 28) and adjust the volume level by pressing VOLUME **+** / **-** Button(21)
6. Press X-BASS Button(19) if extra bass is desired. The X-BASS LED indicator(5) will light up.

FOR BEST RECEPTION :

FM: Loose the FM Antenna wire(33), when select the stereo mode by the MONO  /STEREO  Push Switch(13), and the stereo broadcast was received, FM STEREO LED(2) will light up.

AM: This unit is equip with a built-in directional ferrite antenna, so move and rotate the unit.

7. To stop listen the radio, press the POWER ON/OFF (22).

PRECAUTIONS FOR DISCS

HANDLING DISC

- To keep the disc clean, do not touch the play sides of the disc.
- Do not attach paper or ape to the disc.
- Keep the disc away from direct sunlight or heat sources.
- Store the disc in a disc case after playback.


CLEANING DISC


- Before playback, wipe the disc outwards from the center with clean cloth.
- Do not use any type of solvent such as thinner, done by qualified service personnel.


PLACEMENT

- Put the unit where ventilation is good enough to prevent overheating.
- Never put the unit in direct sunlight or near heat sources.
- Put the unit horizontally, never put any heavy object on the unit.
- To protect the pickup, do not put the unit where there is much dust. If there is dust on the pickup, use a cleaning disc to clean it.
- Refer to the operation instructions of the cleaning disc you bought.







LISTEN TO THE CD

1. Press the POWER ON/OFF (22).
2. Press the CD button(8), the CD LED Indicator(24) will light up and the CD Track Number Display(1) will show “ 00 ”.
3. Insert the disc (Label side up) to the CD Compartment(29 & 30), the total number of track is displayed(1).
4. Press CD PLAY/PAUSE  Button(10) to start playing and adjust the VOLUME level(21).
5. Press the X-BASS Button(19) if extra bass is desired. The X-BASS LED indicator(5) will light up.

NOTE: Use also CD PLAY/PAUSE  button(10) to suspend momentarily the playing track. The current track number blinks on the display(1), and press again to resume play.

6. Press CD STOP  button(11) to stop listen the CD.

OTHER CD PLAYER FUNCTIONS

CD  SKIP/FAST SEARCH  Button(18) : Press  to skip forward to the next track or repeatedly to skip several tracks. Press  Button return to the beginning of the track, or press repeatedly to skip backward several tracks. Press and hold the  or  button to search quickly within a track.

REPEAT BUTTON(15): A single Track or whole CD can be repeated as any time as you like.

- a) Press once to repeat your select track, the REPEAT LED (3) will blinks
- b) Press twice to play the disc continuously, the REPEAT LED (3) will light up.
- c) Press again to switch off this function.

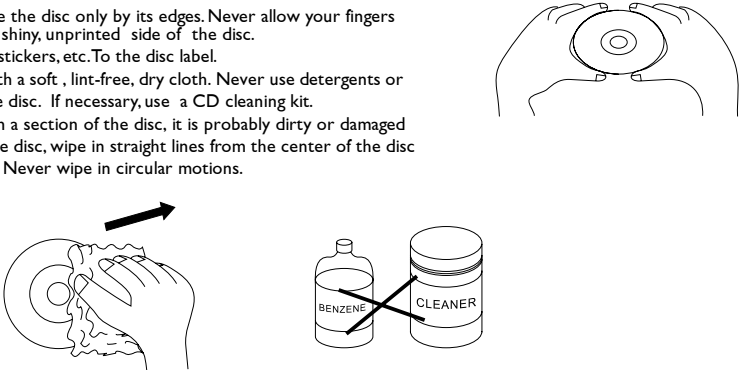
MIX BUTTON(12): Press to play randomly all the track & REPEAT ALL, the MIX LED(6) and REPEAT LED will light up and the selected track number are displayed(1).

- PROGRAM BUTTON(16): To select your own musical program.
- a) Insert the disc(29 & 30), the total number of the tracks is displayed(1).
 - b) Press PROG. Button(16), the PROGRAM LED Indicator(23) and the track No. and CD TRACK NUMBER DISPLAY (1) " *PR* " will blinks.
 - c) Select with *⏮* SKIP/FAST SEARCH *⏭* (18) your desired track, then press PROGRAM Button(16) to store your program in memory and the " *PR* " & PROGRAM LED blinks. Redo this operation as many times as necessary. 16 tracks can memorised.
 - d) Press CD PLAY/PAUSE *▶||* Button(10) to start playing and the PROGRAM LED Indicator(23) will become light up.
 - e) Press CD Stop *■* Button(11) to stop the disc. PROGRAM LED(23) continue light on. Press stop *■* Button (11) again to cancel this function.

CARE AND MAINTENANCE

Caring for Compact Discs

- *Treat the disc carefully. Handle the disc only by its edges. Never allow your fingers to come in contact with the shiny, unprinted side of the disc.
- * Do not attach adhesive tape,stickers,etc.To the disc label.
- * Clean the disc periodically with a soft , lint-free, dry cloth. Never use detergents or abrasive cleaners to clean the disc. If necessary,use a CD cleaning kit.
- * If a disc skips or gets stuck on a section of the disc, it is probably dirty or damaged (scratched).When cleaning the disc,wipe in straight lines from the center of the disc to the outer edge of the disc. Never wipe in circular motions.



- *This unit is designed to play only compact discs bearing the identification logo as shown here. Other discs may not conform to the CD standard and may not play properly.
- * Compact Disc should be stored in their cases after each use to avoid damage.
- * Do not expose compact disc to direct sunlight, high humidity, high temperatures,or dust, etc. Prolonged exposure or extreme temperatures can warp the disc.
- * Do not stick or write anything on either side of the disc. Sharp writing instruments, or the ink may damage the surface.



- Dripping warning:** "The product shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the product."
- Ventilation warning** "The normal ventilation of the product shall not be impeded for intended use."
- Unit maintenance** "Never put the unit in direct sunlight or near heat sources."
"Put the unit horizontally, never put any heavy object on the unit."

CONDENSATION

- Moisture will appear on the pickup lens in the following cases:
- * The unit is suddenly moved from a cold place to a warm place.
 - * The unit is put in a room with a heater, or in cold air from an air - conditioner.
 - * Use the unit in a humid place. In these cases, the unit cannot work. Unload the disc and leave the unit on for about one hour evaporates the water.

MORE INFORMATION

- Do not use your set immediately after transport from a cold place to a warm place, there may be condensation problems.
- Make sure that you keep your set away from water and high temperatures.
- Clean the player with a soft cloth, or a damp chamois leather. Never use solvents.

NOTES ON COMPACT DISCS

- If there is a scratch, dirt or fingerprints on the disc, it may cause tracking error. Before playing, clean the disc with a cleaning cloth.Wipe the disc from the center out. Don't store discs in places with high temperatures or high humidity - they can become warped.After playing, store the disc in its case.

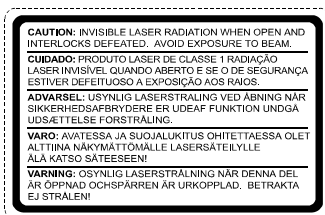
TROUBLESHOOTING GUIDE

Should this unit exhibit a problem, check the following before seeking service.

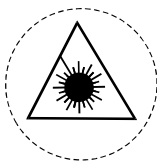
Symptom	Possible Cause	Solution
Radio		
Noise or sound distorted on radio broadcasts.	Station not tuned properly for AM or FM.	Retune the AM or FM broadcast station.
	FM: Telescopic antenna is not properly adjusted.	Reorient FM telescopic antenna.
	AM: Unit is not positioned correctly	Rotate unit until best reception is obtained.
FM STEREO indicator does not light.	Poor FM signal being received or BAND switch is not set to FM STEREO.	Retune station, try another station or set BAND switch to FM STEREO.
	Station is not broadcasting in stereo.	Change stations.
AM or FM, no sound.	FUNCTION switch is not set to the RADIO position.	Slide the FUNCTION switch to the RADIO position.
	Volume at minimum.	Increase Volume.
Compact Disc Player		
CD Player will not play.	FUNCTION switch is not set to the CD position.	Slide the FUNCTION switch to the CD position.
	CD is not installed or installed upside-down.	Insert CD with label side up.
CD skip while playing.	Disc is dirty or scratched.	Wipe disc with cloth or use another disc.
General		
No Sound.	Headphones connected into the Headphones jack.	Remove the Headphones from the Headphones jack.

LABEL MENTION

(1) LASER CAUTION LABEL



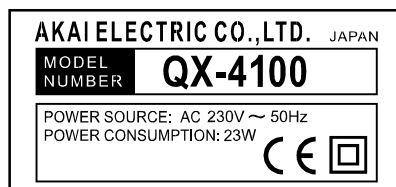
(2) LASER BEAM LABEL



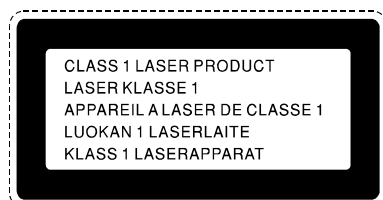
(3) SERIAL NO. LABEL

S/N: 031100001

(4) RATING PLATE



(5) CLASS I LABEL



(6) SPEAKER LABEL



(7) PLACE OF ORIGINAL LABEL

MADE IN P.R.C.

(8) THERMAL FUSE LABEL

THERMAL FUSE
FITTED D125°C

(9) CD PROTECTION CARD



SPECIFICATION

POWER SUPPLY :	AC : 230V ~ 50Hz
OUTPUT POWER :	2 x 2.5W RMS
UNIT DIMENSION :	160 (W) x 186 (H) x 252 (D) mm
SPEAKER DIMENSION :	150 (W) x 173 (H) x 193 (D) mm
RADIO SECTION	
FREQUENCY RANGE :	FM / FREQUENCY MODULATION : 88 - 108 MHz AM / AMPLITUDE MODULATION : 540 - 1600 kHz
COMPACT DISC SECTION	
OPTICAL PICKUP :	3 - BEAM LASER
FREQUENCY RESPONSE :	100 Hz - 16 kHz

Design and specifications subject to change without notice

CAUTION ! This set uses a laser beam. To prevent any accident due to this type of beam, the set should only be opened by properly trained personnel.
The unit conforms to the international safety specifications IEC 65 (VDE 0860) and to guide lines of the European community, 82/499/EVG (VDE 0875), and also complies with current standards concerning electrical safety and electromagnetic compatibility EMC.