

JARAS®

MODEL JJ-2618 CASSETTE RADIO PLAYER



PLEASE READ THIS USER MANUAL COMPLETELY BEFORE
OPERATING THIS UNIT AND RETAIN THIS BOOKLET FOR
FUTURE REFERENCE.

WARNING

TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADE TERMINALS CAN BE FULLY INSERTED TO PREVENT ANY EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The Caution Marking is located at the bottom enclosure of the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

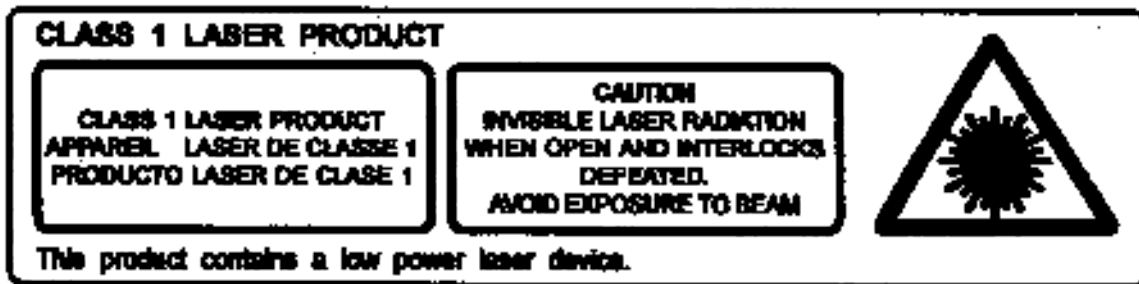
1. Read these instructions carefully.
2. Keep these instructions in a safe place.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Cleaning-Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. 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. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that product heat.
10. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



11. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
12. Only use attachments/accessories specified by the manufacturer.
13. Unplug this apparatus during lightening storms or when unused for a 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.
15. This appliance shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on the apparatus.
16. Do not overload wall outlet. Use only power source as indicated.
17. Use replacement part as specified by the manufacturer.
18. The product may be mounted to a wall only if recommended by the manufacturer.
19. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.
20. 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 instruction.
21. 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.
22. This appliance is not intended for use by persons (including children) with reduced physical, Sensory or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
23. Damage 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.
 - e) If the product has been dropped or damaged in any way, and
 - f) When the product exhibits a distinct change in performance - this indicates a need for service.

SAVE THESE INSTRUCTIONS

CAUTION



Follow the advice below for safe operations.

ON PROTECTION AGAINST LASER ENERGY EXPOSURE

- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the casing.
- Stop operation immediately if any liquid or solid object should fall into the cabinet.
- Do not touch the lens or poke at it. If you do, you may damage the lens and the player may not operate properly.
- Do not put anything in the safety slot. If you do, the laser diode will be ON when the CD door is still open.
- If the unit is not to be used for a long period of time, make sure that all power sources are disconnected from the unit. Remove all batteries from the battery compartment.
- This unit employs a laser. The use of controls or adjustment or performance of procedures other than those specified here may result in exposure to hazardous radiation.

Should any trouble occur, remove the power source and refer servicing to qualified personnel.

COMPLIANCE WITH FCC REGULATIONS

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the CE 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:

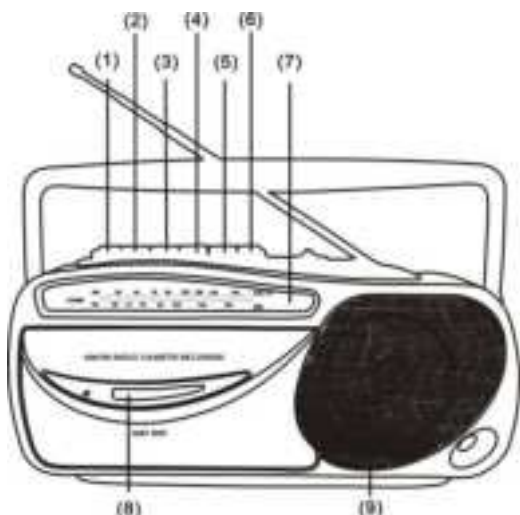
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

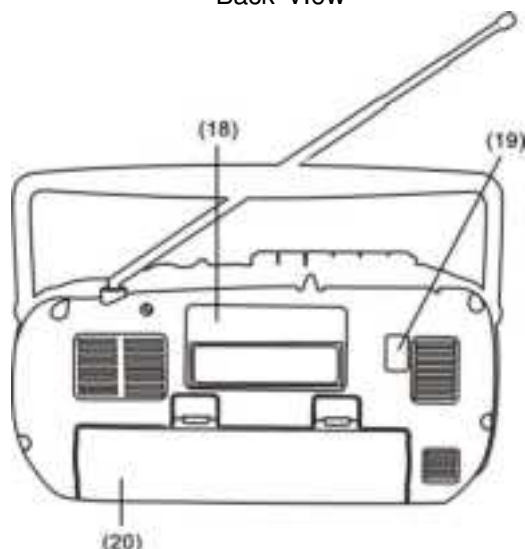
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2. PARTS

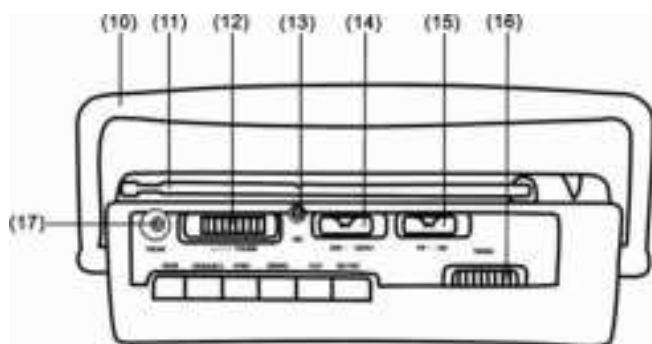
Front View



Back View



Top View

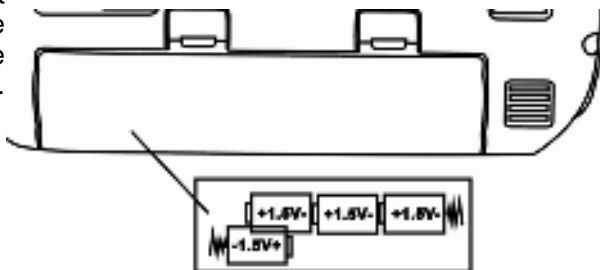


- | | | |
|-------------------------|-------------------------------------|-------------------------|
| 1. Pause button | 9. Speaker | 16. Tuning Control |
| 2. Stop /Eject button | 10. Handle | 17. Headphone Jack |
| 3. F. FWD button | 11. ROD antenna | 18. Back Plate |
| 4. Rewind button | 12. Volume control | 19. AC socket |
| 5. Play button | 13. Condenser Mic | 20. Battery Compartment |
| 6. Record button | 14. Function Selector (Tape/Radio) | |
| 7. Dial Lens | 15. Band Selector | |
| 8. Cassette Compartment | | |

3. BATTERY OPERATION

To use the appliance with batteries ensure that AC power cord is not insert into the back of the appliance and install the batteries into the batteries (not supplied) in the battery compartment. To install the battery,

- 3.1 Slide off the battery compartment cover from the underside of the unit.
- 3.2 Insert 4 x D/UM-1 1.5 heavy-duty alkaline battery in accordance with the diagram in the battery compartment. Take care to observe the correct polarity (+/-).
- 3.3 Refit the battery compartment cover.
- 3.4 Do not expose the batteries or the installed batteries to excessive heat (e.g. fire, sunshine or position close to radiators etc.).



Note

- Dispose of used batteries responsibly at local authority household waste recycling facility.
- DO NOT dispose of batteries in a fire as the batteries may explode.
- Only use "D" UM-1 batteries in this appliance.
- Be sure to insert correctly taking care to observe the correct polarity (+ and -).
- Use only batteries of the same or equivalent type as recommended.
- Do not recharge non-rechargeable batteries.
- Never mix old and new batteries (replace all batteries at the same time).
- Never try to dismantle batteries.
- Do not short-circuit the supply terminals.
- Always remove exhausted or dead batteries from the product, do not dispose of in fire.
- Remove batteries from the product before extended storage.

4. MAINS OPERATION

Fit the AC cord into the rear of the appliance and plug into the household socket.

5. USING THE RADIO

Check your batteries regularly. Old or discharged batteries should be replaced. If the unit is not to be used for sometime or is being run exclusively on AC electrical current, remove batteries from the battery compartment to avoid leakage.

5.1 Slide the FUNCTION SELECTOR to the 'RADIO' position.

5.2 Select the waveband by sliding the BAND switch to the desired waveband (AM or FM).

5.3 Turn the TUNING knob to select the station of choice. The radio frequency scale will show the wavelength selected.

5.4 Adjust the volume to the desired level by rotating the VOLUME control knob.

5.5 To turn off the radio, slide the FUNCTION SELECTOR to TAPE WITH ALL KEYS RELEASED.

Note

- Antennas - Extend the Telescopic Antenna for optimum reception on FM. Your radio is equipped with a built-in ferrite antenna for AM. This built-in antenna is directional so reception from distant stations may be improved by rotating the unit.

6. CASSETTE OPERATION

6.1 Installation of Cassette

6.2 Open the cassette cover by pressing the STOP/EJECT BUTTON. Insert the cassette tape, bottom side up with the tape facing you. Close the cover, now the unit is ready for operation.

6.3 ALC (Automatic level control) Recording

This unit has an ALC circuit. The recording level is preset.

Change the volume control while recording will not affect the recording level.

6.4 Pause

Depress PAUSE BUTTON for momentarily stopping the tape travel during recording or playback. To start the press the pause button a second time.

6.5 Automatic Stop (Auto Stop)

When the cassette being played or recorded on reaches the end of the tape, the unit will shut off.

6.6 Fast Forwarding and Rewind

6.7 For fast forwarding or rewinding the tape, press the FFWD or REWIND BUTTON. Press the STOP/EJECT BUTTON to stop the moving tape at the desired location.

6.8 Play Back –

(1) Install a recorded Cassette.

(2) Set the FUNCTION SELECTOR to TAPE.

(3) Press the PLAY BUTTON.

(4) Adjust the VOLUME CONTROL to the desired sound level.

6.9 Recording

Install a cassette as described before Press RECORD BUTTON. To record from the Radio, slide the function selector to the radio position. To record using the built-in Condenser Mic, slide the function selector to the tape position.

7. Using Headphones (not included)

A stereo headphone jack has been provided so that the set can be used without disturbing others. Plug in the headphones at the point marked 'PHONE' (17). Turn the listening volume to the lowest setting before adjusting the volume up to your chosen level. Excessive sound pressure from earphones and headphones can cause hearing loss. The speaker will not operate when headphones are fitted.

8. Cleaning

Clean the cabinet with a soft cloth moistened with water or mild detergent. Do not use solvents such as alcohol, benzene or thinner, as they may damage the cabinet finish. Make sure to disconnect the mains lead from the supply before cleaning.

9. TROUBLESHOOTING GUIDE

Warning: Under no circumstances should you try to repair the set yourself, as this would invalidate the guarantee.

Observation	Potential cause / solution
The unit does not work AC	Does the socket that is being used have power? Is the unit switched on at the plug?
The unit does not work batteries	Has the AC lead been removed from the back of the unit? Are the batteries exhausted? Have the batteries been inserted correctly?
Poor cassette sound quality	Has the dust and dirt on the heads, capstan or pinch roller? Clean the heads etc..
Recording does not work	Cassette tab(s) may be broken out, apply a piece of adhesive tape over the missing tab space.
No sound	Is the volume control set at minimum? Headphones are connected?
Radio reception weak	Extend or adjust the position of FM antenna to help improve FM reception Adjust the position of the radio to help improve AM reception

10. TECHNICAL SPECIFICATION

Rated voltage	AC 120V~ 60Hz DC 6V UM-1 (D-Size) x 4
Power consumption	5W
Output power	500mW
Frequency Range	AM 520-1700kHz FM 88-108MHz
Antenna	FM Telescopic Antenna AM Ferrite Bar Antenna
Tape Speed	4.75 cm/sec
Wow & Flutter	Less than 0.35% RMS (JIS)
Recording System	DC Bias
Speaker	3"

USA WARRANTY CLAIMS - CUSTOMER SERVICE

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Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

Note: 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.