

SHARP

AM · FM STEREO CASSETTE PLAYER WITH LCD TELEVISION

MODEL JC-AV1

OPERATION MANUAL



TINSE1257AFZZ

SPECIAL NOTES

FOR YOUR RECORDS

For your assistance in reporting this unit in case of loss or theft, please record below the model number and serial number which are located on the rear of the unit and in the battery compartment. Please retain this information.

Model number _____

Serial number _____

Date of purchase _____

Place of purchase _____

- The last letter of the model name on the catalog, packing case, etc. indicates the color of the product. Operations and specifications are the same for all units regardless of the color.
- "AA" cell batteries, cassette tape, cotton swab, and demagnetizer mentioned in this manual are not included with unit.

This LCD TV receives broadcasts in the "M. NTSC" format and cannot be used in areas where a different TV broadcast format is used. (In such areas, the picture may appear without sound.)

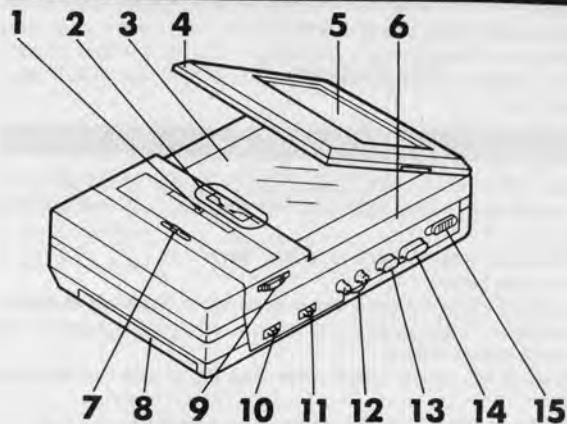
INTRODUCTION

Thank you for selecting this SHARP unit. We hope it gives you many years of trouble-free enjoyment. But for the best performance, read this Manual carefully and operate your SHARP unit accordingly.

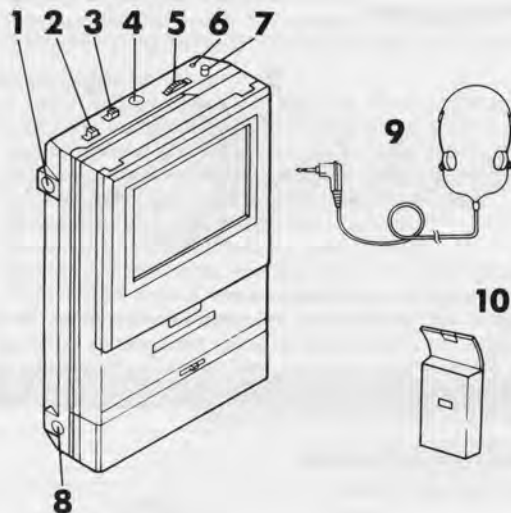
PRECAUTIONS

- Many situations are dangerous if you can't hear what's going on around you. Avoid high volumes and don't use headphones when:
 - Operating a car, bicycle or any such vehicle.
 - Crossing streets.
- Exercise common sense when viewing the TV while using the supplied TV telescopic rod antenna in crowded areas so as not to bother others.
- External DC power supply other than DC 3 volts can damage unit.
- Listening at high volume can damage your ears.
- Do not expose unit to:
 - Extreme heat or cold
 - Direct sunlight or dust
 - Magnetic fields (such as near speakers or other TVs)
 - Moisture, water or excessive humidity
 - Oil, solvents or insecticides
- Moving unit from cold to warm place can cause malfunctions. Warm up to room temperature before operating.
- At temperatures below 5°C and above 40°C, the TV picture may not appear. This is not a sign of trouble. The picture will appear when proper operating temperature is restored. (Operating temperature range: 5°C-40°C)
- Do not subject the LCD TV panel to impact.
- Sharp is not responsible for damage from improper use. Refer all servicing to qualified Sharp personnel.

NAME OF CONTROLS



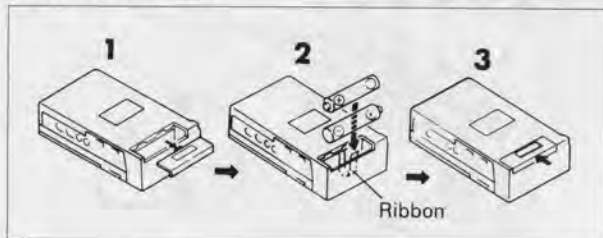
1. Tuning Dial
2. Tape Direction Indicator
3. TV Mirror Screen
4. LCD TV Panel
5. Illumination Window
6. Cassette Compartment
7. Brightness Control
8. Battery Compartment
9. Tuning Control
10. Function Selector Switch
11. Tape/Band Selector Switch
12. Fast Forward/Rewind Buttons
13. Stop Button
14. Play Button
15. Cassette Compartment Open Button



1. TV Telescopic Rod Antenna Jack
2. Reverse Mode Switch
3. FM Mode Switch
4. Headphones Jack
5. Volume Control
6. Power Indicator
7. Tape Direction Button
8. External DC Power Input Jack
9. Headphones
10. Carrying Case

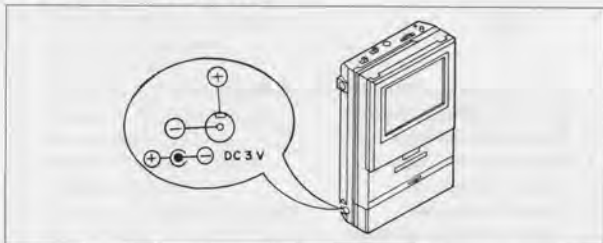
POWER SOURCE

■ Battery power



- 1 Remove battery compartment cover.
- 2 Insert 2 "AA" cell batteries into battery compartment. Be sure to place the attached ribbon under the batteries installed, so that the weakened batteries may be easily removed by pulling the ribbon.
- 3 Replace battery compartment cover.

■ External DC power



- The polarity of the center pin is negative. This unit is provided with a DC 3 V jack which is smaller in size (the diameter of the center pin: 1 mm) than those of other units.

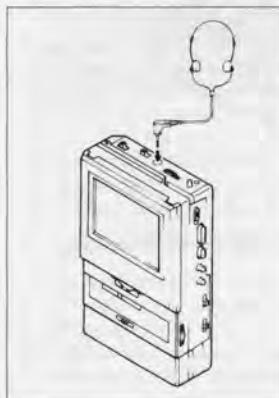
Notes:

- Replace all batteries at the same time.
- Using external DC power disconnects unit's batteries.
- Don't mix normal batteries with Ni-Cd, alkaline, or other types.

Replace batteries when:

- POWER indicator does not light up when PLAY button is pressed or when FUNCTION switch is set to RADIO or TV.
- Excessive noise affects reception of all radio broadcasts.
- Tape does not change direction when DIR button is pressed.
- Tape repeatedly changes direction during playback.
- Sound starts distorting or tape does not run.
- Reception of TV broadcasts becomes difficult.
- Screen darkens while viewing the TV even though the BRIGHTNESS control is not moved.

HEADPHONES



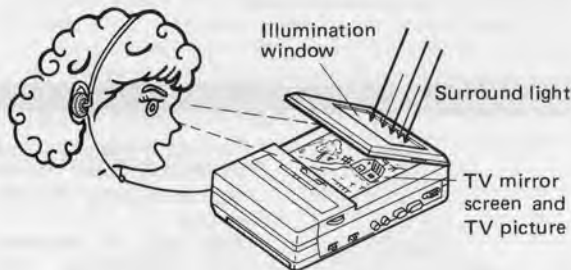
- Connect headphones plug to PHONES jack. Adjust volume by using VOLUME control.
- This unit is powered by connecting the headphones plug into PHONES jack. This unit will not operate unless the headphones are connected.

TV OPERATION

■ General information

This TV displays (not display) the TV picture on the TV mirror screen by reflecting the light which comes in through the illumination window on the LCD TV panel.

● The TV picture will not appear in a dark place.



• The TV picture is produced from the surrounding light.

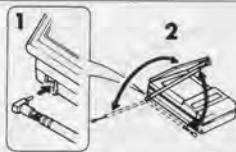


- 1 Plug headphones into PHONES jack. Unit cannot be turned on unless headphones are plugged in.
- 2 Open the LCD TV panel.
- 3 Set FUNCTION switch to TV.
- 4 Set SELECT switch to VHF or UHF.
- 5 Use TUNING control to tune in desired TV station.
- 6 Use BRIGHTNESS control to adjust TV picture brightness.
- 7 Adjust VOLUME control to desired listening level.
- 8 Headphones cord also functions as a TV/FM antenna. Extend cord to its full length, then adjust position for best reception.
- 9 If satisfactory TV reception is not possible with the headphones cord, use the TV telescopic rod antenna. (See page 9.)
- 10 When finished viewing the TV, gently close the LCD TV panel and set FUNCTION switch to TAPE (TV/RADIO OFF).

Notes:

- Stereo sound is not available for TV.
- Gently open the LCD TV panel up to about 50°. Do not open it beyond this angle.
- Do not exert a strong force on the illumination window, LCD TV panel or mirror screen. Doing so may result in trouble or damage.
- TV screen brightness may also depend on the angle of the unit.
- To listen only to the sound of a TV broadcast, simply close the LCD TV panel.

■ TV telescopic rod antenna



- 1 Insert the TV telescopic rod antenna into ROD ANTENNA jack.
- 2 Adjust length, angle, and direction of TV telescopic rod antenna for best reception. If the TV telescopic rod antenna is retracted and folded, the unit can fit in the carrying case without the need for detaching the TV telescopic rod antenna.

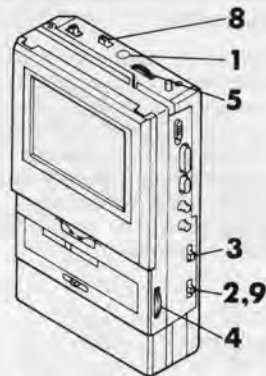
Note: This unit does not use the TV telescopic rod antenna for FM broadcast reception.

Poor reception locations

It's difficult to receive broadcast signals in the following locations. At these locations, the TV picture may not appear or may be unstable.

- Locations that are distant from the broadcast station or behind mountains or buildings.
- Underground centers or inside tunnels and buildings (such as high-rises).
- Locations susceptible to electromagnetic interference such as near high voltage lines, neon signs, and radio stations.
- Locations near railroad tracks or expressways or under air lanes.
- Inside vehicles such as trains, subways, and automobiles.

RADIO OPERATION



- 1 Plug headphones into PHONES jack. Unit cannot be turned on unless headphones are plugged in.
- 2 Set FUNCTION switch to RADIO.
- 3 Set SELECT switch to AM or FM.
- 4 Use TUNING control to tune in desired station.
- 5 Adjust VOLUME control to desired listening level.
- 6 Headphones cord also functions as a TV/FM antenna. Extend cord to its full length, then adjust position for best reception.
- 7 For AM, move and rotate unit for best reception.
- 8 Set FM MODE switch to STEREO for FM stereo; if sound is poor, set to MONO.
- 9 When finished listening to the radio, set FUNCTION switch to TAPE (TV/RADIO OFF).

Note:

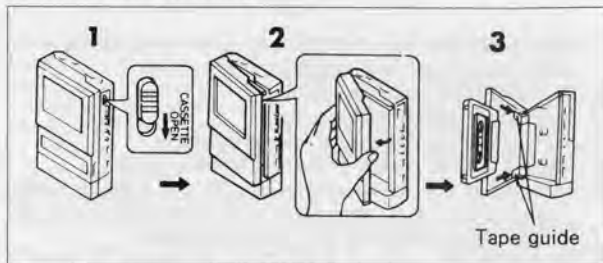
Cassette tape with high metal content in housing (not so-called "metal tape") can interfere with radio reception. Remove cassette from unit when listening to radio.

CASSETTE OPERATION

■ General information

- Do not use C-120 tapes, tapes with internal reels, or poor-quality tapes, since they can cause malfunctions.
- Before loading cassette, tighten slack tape with pencil.
- Do not press any control button (PLAY, etc.) when cassette holder is open, or unit could be damaged.
- Never press 2 or more operation buttons simultaneously. If this happens, press STOP button immediately.
- When tape reaches the end during fast winding operations, press STOP button immediately.

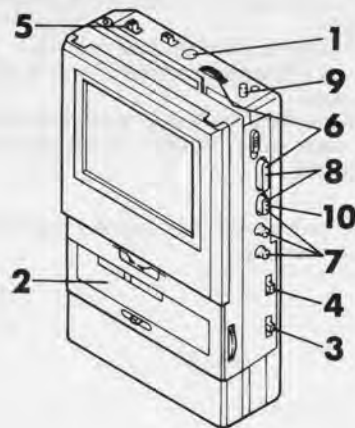
■ Cassette loading



- 1 Slide the CASSETTE OPEN button in direction of arrow.
 - The cassette compartment opens about 2 or 3 mm.
- 2 Gently open cassette compartment.
- 3 Slide the cassette all the way into tape guides.
- 4 Close cassette compartment so it clicks.
 - If it doesn't close easily, do not force; open it and try closing again.

PLAYBACK

- This unit is for playback only.



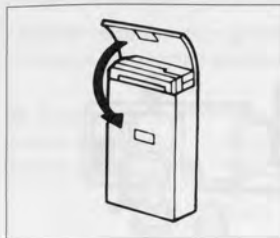
- 1 Plug headphones into PHONES jack. Unit cannot be turned on unless headphones are plugged in.
- 2 Load cassette into cassette compartment. (See page 11).
- 3 Set FUNCTION switch to TAPE.
- 4 Set SELECT switch to NORM for Normal tape, METAL for Chrome or Metal tape.
- 5 Set REV MODE switch to \curvearrowright to listen to both tape sides once, ∞ for endless playback of entire tape.
 - At \curvearrowright setting of REV MODE switch, if STOP button is pressed during side 2 playback, when PLAY button is pressed next, tape will finish playing side 2 and stop.

- 6 Press PLAY button, and adjust VOLUME control to desired listening level.
- 7 Advance tape to where you want by pressing STOP button, then FAST buttons.
- 8 When you find what you want, press STOP button, then PLAY button.
- 9 Press DIR button to listen to other tape side.
 - Do not press DIR button repeatedly. Wait 3 seconds before pressing again.
- 10 When finished listening to tape, press STOP button to stop. Remove tape, close cassette compartment and replace tape in its case.

Note:

Using this unit near a radio may interfere with AM reception. Move unit away from radio.

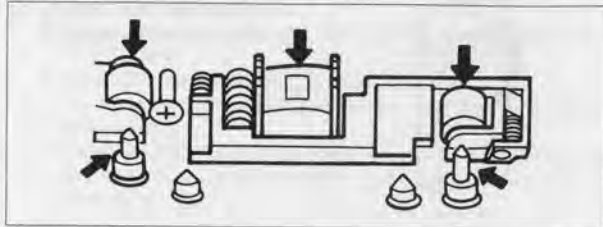
CARRYING CASE



Use the carrying case when carrying the unit around to protect it from scratches.

MAINTENANCE

■ Internal care



- 1 Dirty head, capstans and pinch rollers cause poor sound and tape jams. Clean with a cotton swab moistened with commercial head/pinch roller cleaner or isopropyl alcohol.
- 2 Tape head and capstans become magnetized with use, causing poor sound. Demagnetize every 30 hours of playing time with commercial tape deck demagnetizer. Read demagnetizer's instructions carefully before using.

■ External care

- 1 Periodically clean cabinet with soft cloth and dilute soap solution, then wipe with dry cloth.
- 2 Do not use chemically treated cleaning cloths or other chemicals. (See Precautions.)

SPECIFICATIONS

SHARP reserves the right to make design and specification changes for product improvement without prior notice.

■ General

Power source:

DC 3V ("AA" cell x 2 or external DC 3V)

Output power:

Max; 60 mW (30 mW + 30 mW) (DC operation)

RMS; 40 mW (20 mW + 20 mW) (DC operation, 10% distortion)

Dimensions:

Width; 3-1/8" (80 mm)

Height; 5-1/32" (128 mm)

Depth; 1-1/4" (32 mm)

Weight:

10.4 oz. (295 g) without batteries

■ TV/Radio

Frequency range:

UHF; 14-69 channel

VHF; 2-13 channel

FM; 87.6-108 MHz

AM; 526.5-1606.5 kHz

■ Tape deck

Tape:

Compact cassette tape

Frequency response:

40-16,000 Hz (CrO₂/Metal tape)

40-14,000 Hz (Normal tape)

Signal/noise ratio:

54 dB

■ Headphones

Impedance:

25 ohms

Weight:

1.7 oz. (48 g)

CALLING FOR SERVICE

For your nearest Sharp authorized service station.
Please call Toll Free: **800-447-4700**
In Hawaii or Alaska, please contact your local dealer.

LIMITED WARRANTY

Sharp Electronics Corporation warrants to the first consumer purchaser, for a period of one year from the date of purchase, that this Sharp brand audio equipment (the "Product"), when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof at no charge to the purchaser for parts or labor.

This warranty does not apply to any appearance items of the Product nor to any Product the exterior of which has been damaged or defaced, which has been subjected to misuse, abnormal service or handling, or which has been altered or modified in design or construction.

In order to enforce the rights under this limited warranty, the purchaser should ship prepaid or carry the Product, together with proof of purchase, to a Sharp Service Dealer or Station. The purchaser will be responsible for the removal and reinstallation of the Product. To find out the location of the nearest Sharp Service Dealer or Station call Sharp toll-free at 800-447-4700.

The limited warranty described above is in addition to whatever implied warranties may be granted to purchasers by law. To the extent permitted by applicable law, ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO A PERIOD OF ONE YEAR FROM THE DATE OF PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described above, or to extend the duration of any warranties beyond the time period described above on behalf of Sharp.

The warranties described above shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and for the period of time described above, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable, or in any way responsible, for any damages or defects in the product which were caused by repairs or attempted repairs performed by anyone other than a Sharp Service Dealer or Station. Nor shall Sharp be liable or in any way responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

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