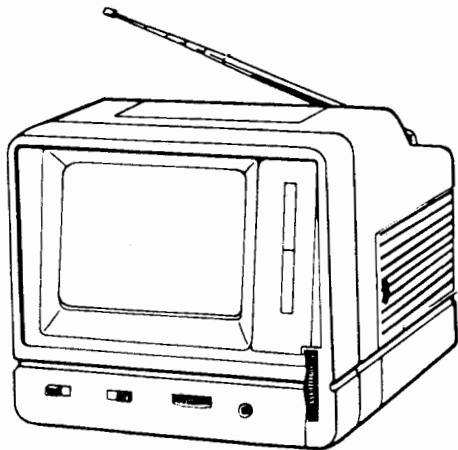


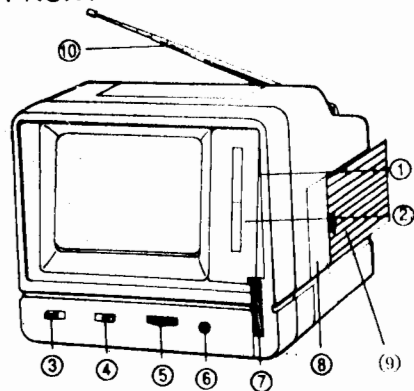
**PORTABLE 4.5" TV**  
**BLACK & WHITE**  
**Built-in Battery Recharger**



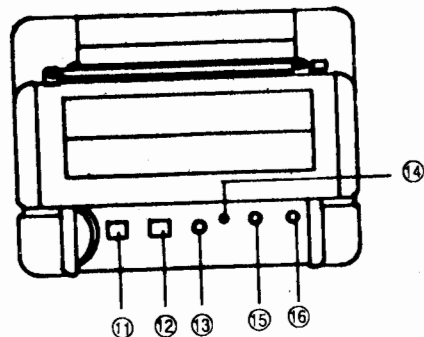
**OWNER'S MANUAL**

## ■LOCATION OF CONTROLS■

FRONT



BACK



① TV DIAL SCALE

② DIAL POINTER

③ POWER OFF/ON SWITCH

④ VL/VH/UHF BAND SWITCH

⑤ VOLUME CONTROL KNOB

⑥ EARPHONE JACK

⑦ TUNING KNOB

⑧ BATTERY COMPARTMENT WITH BUILT IN RECHARGER FOR NI-CAD BATTERIES

⑨ BATTERY COVER

⑩ TELESCOPIC ANTENNA

⑪ CHARGER INPUT JACK

⑫ DC 12V POWER INPUT JACK

⑬ EXTERNAL ANTENNA JACK

⑭ VERTICAL HOLD CONTROL

⑮ BRIGHTNESS CONTROL

⑯ CONTRAST CONTROL

## ■POWER SOURCE■

### 1. CAR BATTERY

THE DC POWER INPUT JACK (12) IS PROVIDED TO CONNECT TO A CAR OR BOAT CIGARETTE LIGHTER PLUG. CONNECT THE LIGHTER PLUG OF THE ADAPTOR INTO THE SOCKET OF THE CAR OR BOAT (NEGATIVE GROUND ONLY) AND PLUG THE OTHER END INTO THE DC POWER INPUT JACK (12)

### 2. AC OPERATION

PLUG THE OUTPUT PLUG OF THE AC ADAPTOR INTO THE DC POWER INPUT JACK (12) PLUG AC ADAPTOR INTO OUTLET.

### 3. THIS UNIT CAN ALSO BE POWERED WITH 10 PCS UM-2, "C" CELL ALKALINE BATTERIES OR NI-Cd RECHARGEABLE BATTERIES.

A. ALKALINE BATTERIES WILL PROVIDE AT LEAST 80 MINUTES USE. BE SURE TO REMOVE ALKALINE BATTERIES WHEN STORING THE SET FOR MORE THAN A FEW WEEKS AT A TIME. ALKALINE BATTERIES MAY LEAK ACID WHEN THEY AGE AND THE ACID WILL DAMAGE THE TV.

B. THE FULL SERVICE LIFE OF NI-Cd RECHARGEABLE BATTERIES MAY BE MORE THAN 160 MINUTES. IF THE PICTURE BEGINS TO SHRINK OR TREMBLE. THE BATTERIES NEED TO BE RECHARGED. AT THIS POINT, STOP USING THE TV OR YOU WILL DAMAGE THE BATTERIES' SERVICE LIFE.

### 4. TO CHARGE NI-Cd BATTERIES

INSERT THE AC ADAPTOR'S OUTPUT PLUG INTO THE CHARGER INPUT JACK (11) MAKE SURE THAT THE POWER SWITCH (3) IS IN THE OFF POSITION WHEN CHARGING. CHARGING TIME IS ABOUT 15~20 HOURS EACH TIME AND THE BATTERIES CAN BE RECHARGED ABOUT 700 TIMES.

DO NOT CHARGE THE BATTERIES LONGER THAN 20 HOURS AT ONE TIME. CHARGING FOR OVER 20 HOURS WILL SHORTEN THE SERVICE LIFE OF THE BATTERIES.

**DO NOT CHARGE ALKALINE BATTERIES WITH THE AC ADAPTOR. CHARGING WILL MAKE THESE BATTERIES LEAK ACID AND DAMAGE THE TV. CHARGE ONLY NI-Cd BATTERIES.**

\* BATTERIES ARE NOT INCLUDED.

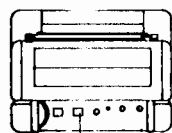
\* BEFORE USE OR STORAGE, BE SURE THAT THE NI-Cd BATTERIES ARE FULLY CHARGED.

\* IF A POWER SUPPLY (DC OR AC ADAPTOR) IS CONNECTED TO THE CHARGER INPUT JACK (11), THE PICTURE WILL LOOK DISTORTED. MAKE SURE TO CONNECT YOUR POWER SUPPLY TO THE DC POWER INPUT JACK (12)

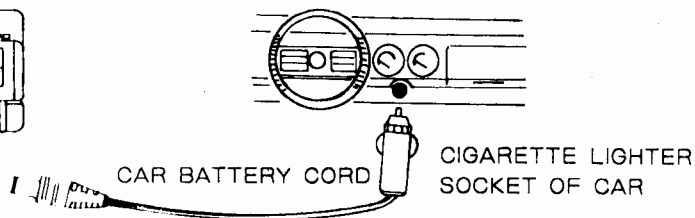
## ■ CONNECTION ■

### 1. BACK VIEW

(12V DC) NEG. GROUND ONLY.

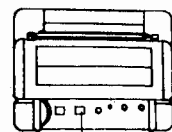


(12)  
↑  
DC INPUT

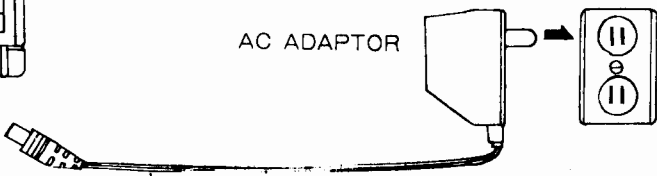


### 2.

STANDARD HOUSEHOLD OUTLETS



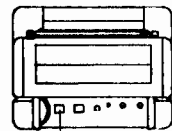
(12)  
↑  
DC INPUT



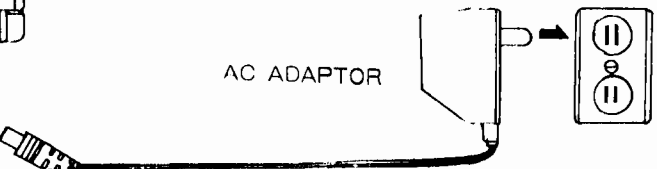
### 3.

CHARGING THE Ni-Cd BATTERIES

**NOTE: ONLY 12V 0.8A ADAPTOR CAN BE USED. ADAPTORS WITH OTHER RATINGS WILL BADLY DAMAGE BATTERIES.**

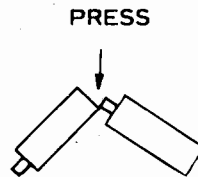
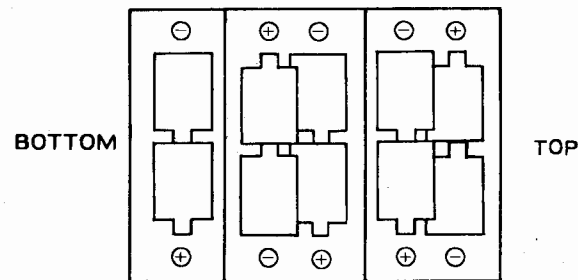


(11)  
↑  
CHARGER



## ■ HOW TO INSTALL THE BATTERIES ■

1. OPEN THE BATTERY COVER (9) AT THE RIGHT SIDE OF THE UNIT.
2. BE SURE THE POLARITY (+) OR CAP END OF EACH ALKALINE BATTERY IS INSTALLED AS SHOWN IN THE BATTERY COMPARTMENT (SEE DRAWING BELOW).



## ■ ANTENNA CONNECTION ■

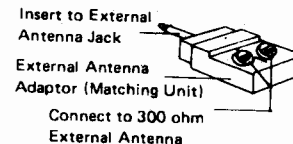
### 1. ROD ANTENNA

IN A NORMAL RECEPTION AREA, THE BUILT-IN ROD ANTENNA WILL DELIVER A SHARP, CLEAR PICTURE WHEN EXTENDED. ADJUST ITS LENGTH, DIRECTION & ANGLE FOR THE CLEAREST PICTURE.

### 2. EXTERNAL ANTENNA ADAPTOR (PAD)

IN AREAS WHERE RECEPTION IS WEAK OR AFFECTED BY LOCAL INTERFERENCE AN EXTERNAL ANTENNA SHOULD BE USED TO IMPROVE RECEPTION.

PLUG THE ADAPTOR INTO THE EXT. ANT. JACK (13) ON THE UNIT AND CONNECT THE 2 WIRES FROM A 300 OHMS EXT. ANT. TO THE ADAPTOR.



## OPERATING INSTRUCTIONS

### 1. POWER SW (3)

SLIDE THE POWER SWITCH TO THE ON POSITION.

### 2. BAND SELECTOR SW (4)

SLIDE THE TV SELECTOR SWITCH TO A DESIRED BAND SUCH AS:

VL = TO SELECT THE VHF LOW CHANNELS TV BROADCAST STATION, CHANNEL 2-13

VH = TO SELECT THE VHF HIGH CHANNELS TV BROADCAST STATION, CHANNEL 7-13

UHF = TO SELECT THE UHF ALL CHANNELS TV BROADCAST STATION, CHANNEL 14-83

### 3. VOLUME CONTROL (5)

ADJUST THE KNOB FOR DESIRED VOLUME LEVEL.

### 4. TUNING CONTROL (7)

TUNE A DESIRED TV BROADCAST STATION BY ADJUSTING THE TUNING CONTROL.

### 5. BRIGHTNESS CONTROL (14) CONTRAST CONTROL (16)

IF THE PICTURE IS TOO BRIGHT OR TOO DARK, ADJUST THE BRIGHTNESS AND CONTRAST CONTROLS (LOCATED ON THE REAR OF THE UNIT) TO SUIT.

### 6. VERTICAL HOLD CONTROL (14)

IF PICTURE ROLLS UP AND DOWN (AS ILLUSTRATED), ADJUST THE VERTICAL HOLD CONTROL.

CAREFULLY INSERT A SMALL SCREW DRIVER IN THE VERTICAL HOLD ADJUSTER (14) AND TURN IT RIGHT OR LEFT AS NEEDED.



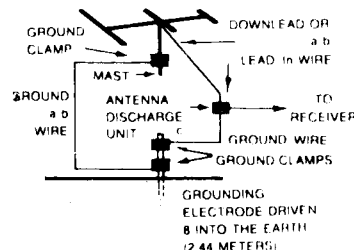
## IMPORTANT SAFEGUARDS

### WARNING/SAFETY INSTRUCTIONS

Some of the following information may not apply to your particular product. However, as with any AC operated product, precautions should be observed during handling and use.

- Before using the product, please follow and adhere to all warnings, safety and operating instructions located on the product and in the user book.
- Do not expose product to water or moisture (example near bathtub, laundry sink, wet basement, swimming pools, etc).
- Always leave sufficient space around the product for ventilation. Do not place product in or on a bed, rug, in a bookcase or cabinet that may prevent air flow through vent openings.
- Do not expose product to extreme temperatures such as found near a hot radiator or stove, or in a car parked in the Summer sun.
- Connect AC adaptor only to AC power source as marked on the product.
- Route AC adaptor & cord to prevent it from being pinched, or walked on or melted by a hot stove or radiator.
- To clean cabinet, unplug AC adaptor, then use soft cloth dampened only with water.
- Do not expose product to lighted candles, cigarettes, cigars, etc.
- Unplug AC adaptor from outlet when product is left unused for a long period of time.
- Care should be taken so that objects do not fall and liquids do not spill into the product.
- Do not attempt to disassemble the cabinet. This product does not contain customer serviceable components.
- Damage Requiring Service: This product should be serviced by qualified service personnel when:
  - A. The AC adaptor or the plug has been damaged, or
  - B. Objects have fallen, or liquid has been spilled into the product, or
  - C. The product has been exposed to rain, or
  - D. The product does not appear to operate normally or exhibits a marked change in performance, or
  - E. The product has been dropped, or the cabinet damaged.
- Save all instructions for future reference.
- If your product is equipped with antenna terminals, and if an outdoor antenna is connected, be sure the system is grounded so as to provide some protection against voltage surge and built up static charges. An outdoor antenna should be located away from power lines.

SECTION 810 of the National Electrical Code, ANSI/NFPA No. 70, 1981 provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode.



### EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS

- a. Use No. 10 AWG copper or No. 8 AWG aluminum or No. 17 AWG copper-clad steel or bronze wire (or larger as ground wires for both mast and lead-in).
- b. Secure lead-in wire from antenna to antenna discharge unit and mast ground wire to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.
- c. Mount antenna discharge unit as closely as possible to where lead-in enters house.

## SPECIFICATIONS

|                          |  |
|--------------------------|--|
| Domaine de conal         | VHF 2 – 13<br>UHF 14 – 83  |
| Antenne                  | 75 OHM INT. Telescopique<br>300 OHM EXT. Ant.                              |
| Consomption de Puissance | 9.6 W (CD 12V)   |
| Source de Puissance      | 1) 12V/0.8 Adaptateur C.A.<br>2) 10 PCS "C" Piles ou<br>des Piles Rechargé |
| Dimensions               | 160 (W) x 140 (H) x 185 (D) mm   |
| Poids net                | 1.8 kg   |
| Accessories              | 1) Antenne<br>2) Adaptateur C.A.<br>3) Adaptateur/Voiture                  |