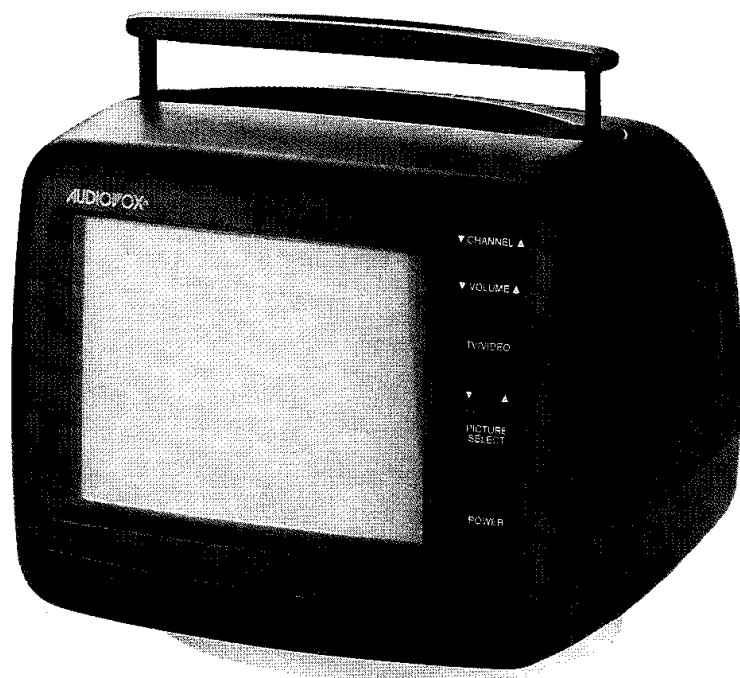


# AUDIOVOX

5" COLOR TV/MONITOR

DC OPERATION WITH REMOTE CONTROL

AVT-597 OPERATING INSTRUCTIONS





SPECIALLY DESIGNED FOR THE  
VAN AND AUTOMOTIVE INDUSTRIES

## RECOMMENDED GUIDELINES FOR THE USE OF A VIDEO MONITOR/TV IN A MOTOR VEHICLE

- A VIDEO MONITOR/TV is designed for rear seat viewing only. This product may only be installed in the rear seat compartment of the vehicle, out of the driver's view.
- Installation in any other area of the vehicle, including anywhere within the driver's view, is illegal in most states, provinces and countries and may lead to driver distraction resulting in an accident, injury and or death. If you are unsure of regulations regarding this, please consult your local laws to determine how this applies to you.
- Users should be aware of the possible noise distraction caused by the use of the product and should carefully monitor the volume so as not to interfere with the driver's attention to surrounding traffic conditions.

**EXPLANATION OF GRAPHIC SYMBOLS:**

	<table border="1"><tr><td><b>CAUTION</b></td></tr><tr><td>RISK OF ELECTRIC SHOCK DO NOT OPEN</td></tr></table>	<b>CAUTION</b>	RISK OF ELECTRIC SHOCK DO NOT OPEN	
<b>CAUTION</b>				
RISK OF ELECTRIC SHOCK DO NOT OPEN				
<p>CAUTION: TO REDUCE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL</p>				



The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

**WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.**

## IMPORTANT SAFETY INFORMATION

1. Read Instructions – All the safety and operating instruction should be read before the appliance is operated.
2. Retain instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Cleaning – Unplug this video product from the DC supplying outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning. Exception; A product that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude in the cleaning description otherwise required.
6. Attachments – Do not use attachments not recommended by the video product manufacturer as they may cause hazards.
7. Water and Moisture – Do not use this video 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 video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9. Ventilation – Slots and openings in the cabinet are provided for ventilation, to ensure reliable operations of the video product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video products on a bed, sofa, rug, or similar surface. This video product should not be placed in a built-in installation such as a book case or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. Power Sources – This video product should be operated only from the type of power source indicated on the marking label. For video products intended to operate from battery power, or other sources, refer to the operating instructions.
11. Lightning – For added protection for this video product receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the DC power supplying outlet and disconnect the antenna. This will prevent damage to the video product due to lightning.
12. Overload – Do not overload DC supplying outlets and extension cords as this can result in a risk of fire or electric shock.
13. 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 video product.
14. Servicing – Do not attempt to service this product yourself as opening or removing cover may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
15. Damage Requiring Service – Unplug this video product from the DC supplying outlet and refer servicing to qualified service personnel under the following conditions:
  - a. When the power supply cord or adapter is damaged.
  - b. If liquid has been spilled, or object have fallen into the video product.

- c. If the video product has been exposed to rain or water.
  - d. If the video 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 video product to its normal operation.
  - e. If the video product has been dropped or the cabinet has been damaged.
  - f. When the video product exhibits a distinct change in performance – this indicates a need for service.
16. Replacement Parts – When the replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
17. Safety Check – Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

## SERVICE SAFETY INFORMATION

1. For your protection, please read these instructions completely and comply with all warnings, cautions and instructions placed on the set or described in the operating instructions.
2. Electrical components that are likely to be replaced in the field and that are critical with respect to the safety are identified on the schematic diagram by the symbol of an exclamation point within a triangle.
3. Warning: This product included critical mechanical and electrical parts which are essential for X radiation safety. For continued safety replace critical components only with exact replacement parts given in the parts list. Operating high voltage for this product is 11KV at minimum brightness.

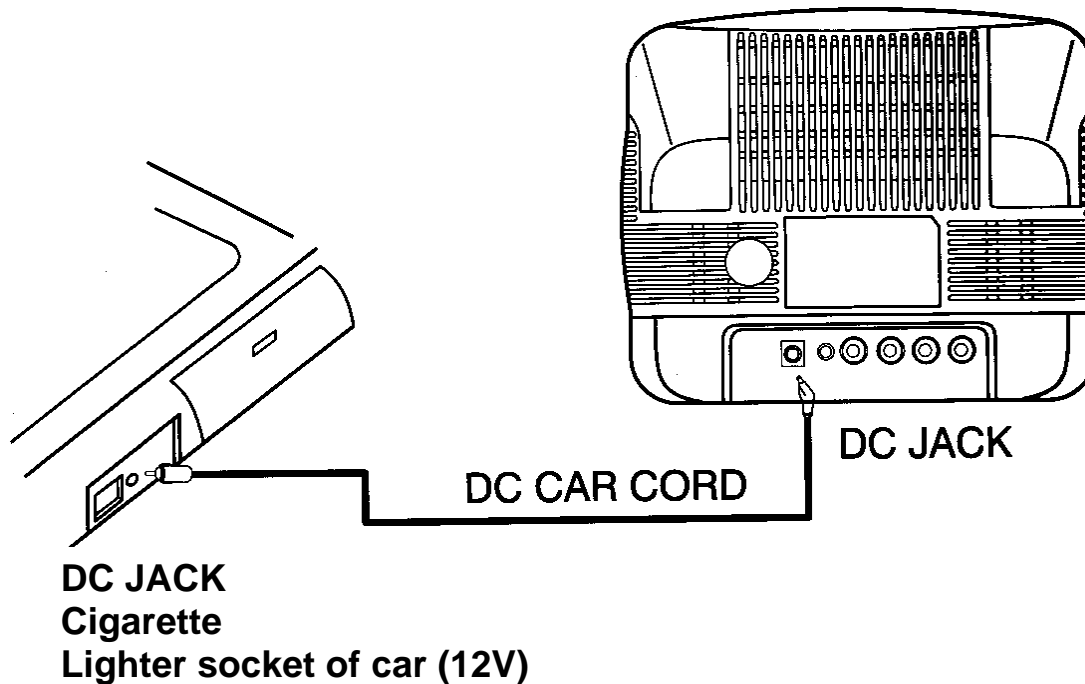
# POWER REQUIREMENTS

## POWER SUPPLY

The AVT-597 is designed for 12 Volt operation.

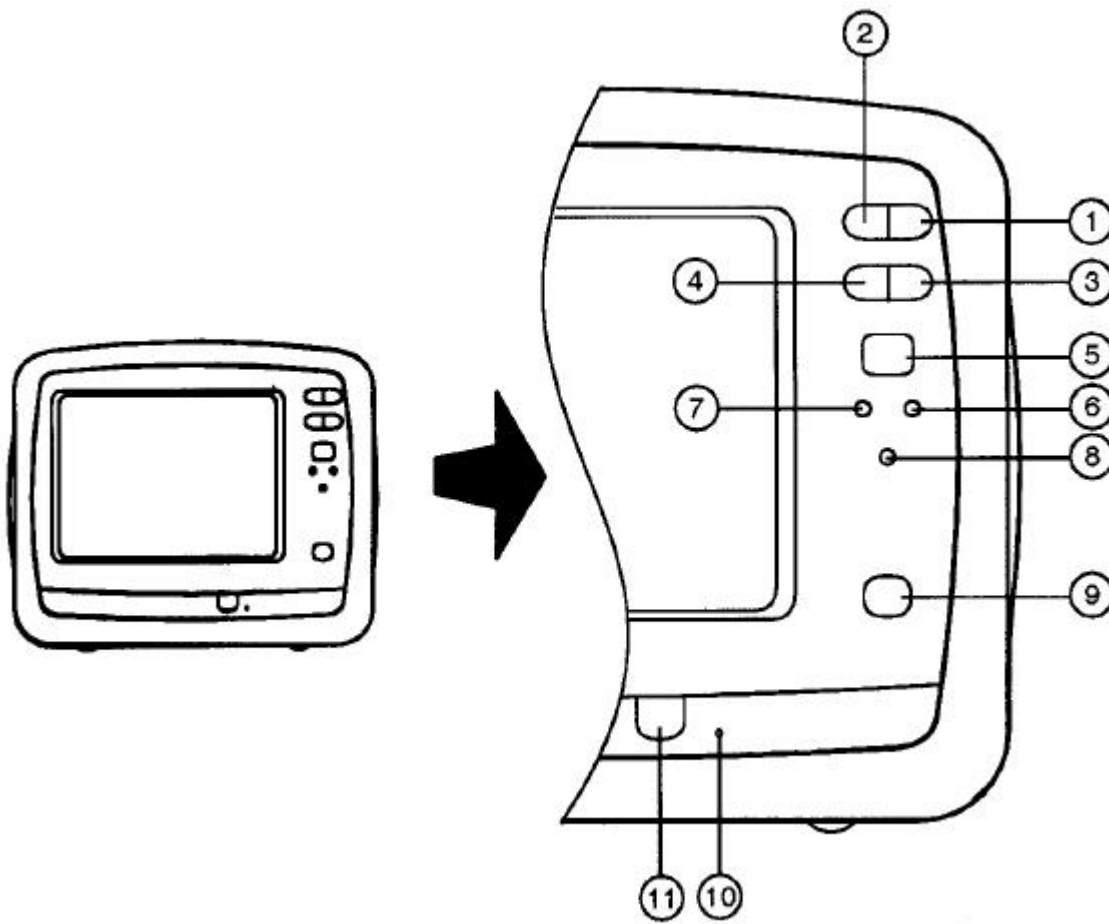
## CAR BATTERY OPERATION

A cigarette adapter cable is supplied for use in any 12 Volt, negative ground vehicle. Simply insert the DC plug on the end of the cable into the DC POWER JACK (13) on the back of the TV set and the other end of the cable into the cigarette lighter receptacle of the vehicle. The TV is now ready for operation.



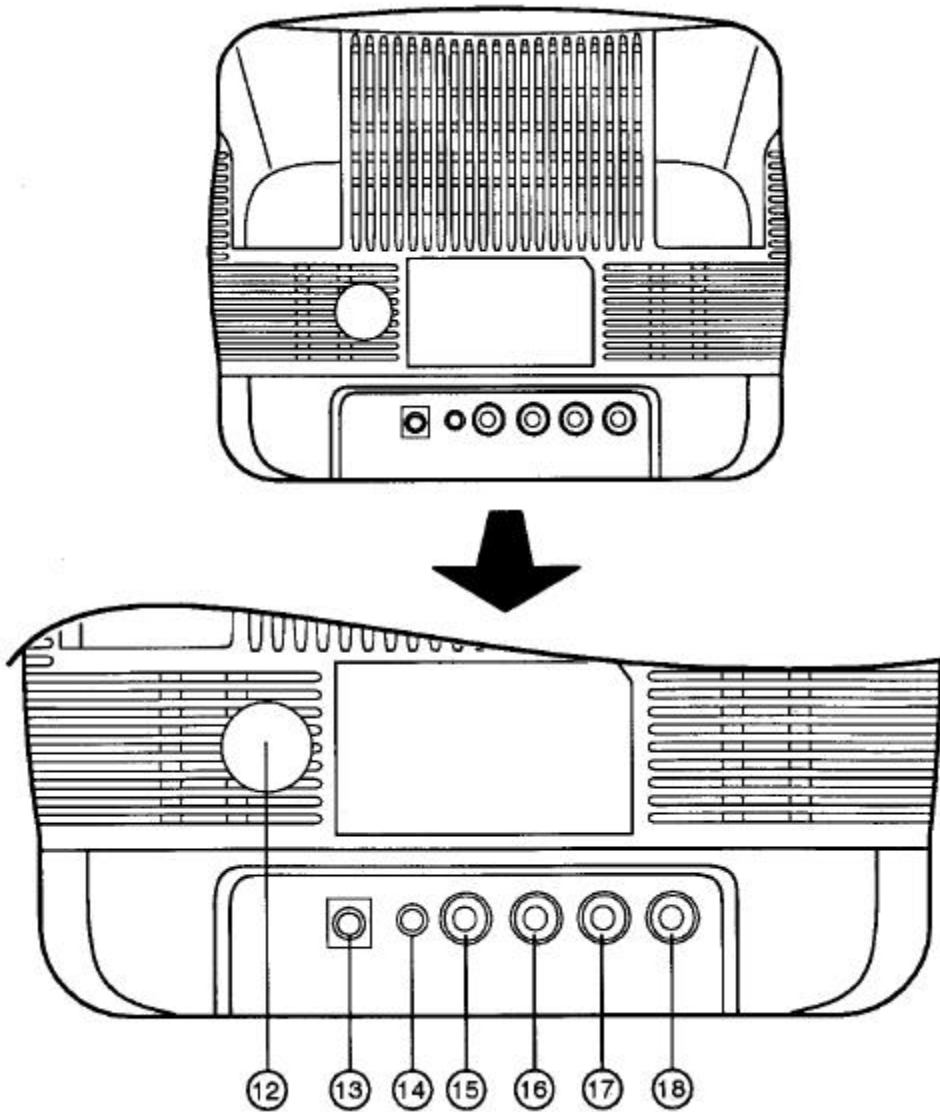
Remove plug from cigarette lighter receptacle when unit is not in use.





**FRONT**

1. CHANNEL UP BUTTON
2. CHANNEL DOWN BUTTON
3. VOLUME UP BUTTON
4. VOLUME DOWN BUTTON
5. TV/VIDEO SELECTOR BUTTON
6. PICTURE CONTROL UP BUTTON
7. PICTURE CONTROL DOWN BUTTON
8. PICTURE CONTROL SELECTOR BUTTON
9. POWER BUTTON
10. LED POWER INDICATOR
11. REMOTE CONTROL SENSOR



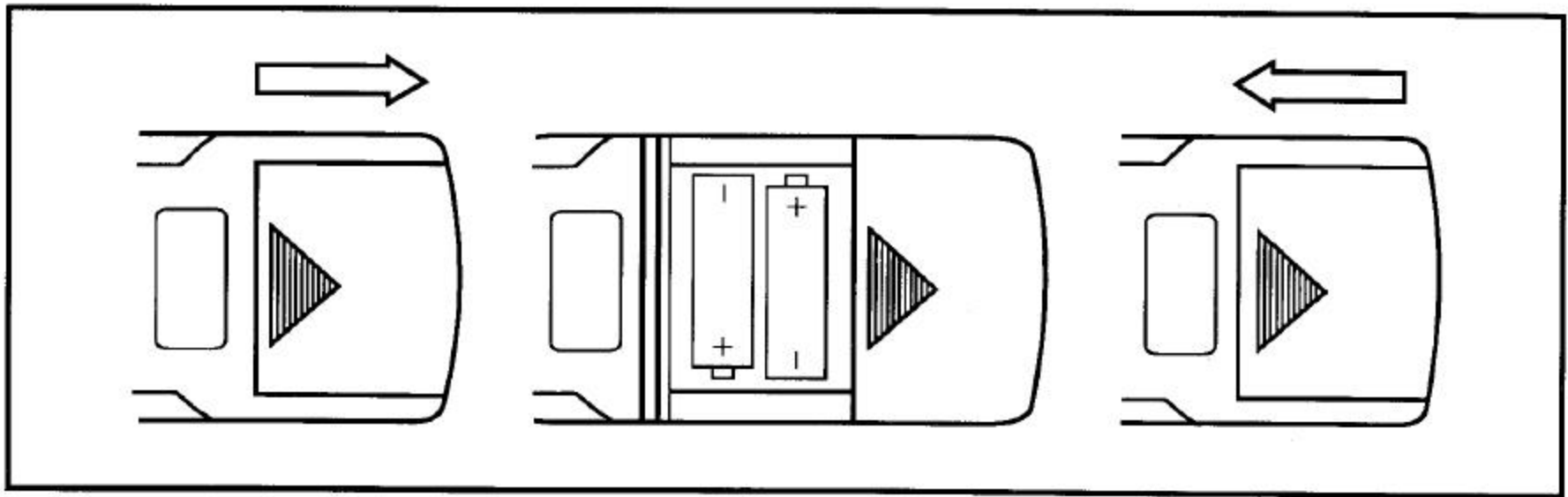
**REAR**

- 12. ANTENNA TERMINAL
- 13. DC POWER JACK
- 14. EXTERNAL SPEAKER JACK
- 15. AUDIO OUTPUT JACK
- 16. VIDEO OUTPUT JACK
- 17. AUDIO INPUT JACK
- 18. VIDEO INPUT JACK

## BATTERY INSTALLATION

Before attempting to operate your Remote Control, install batteries as described below.

1. Turn the remote control face down. Press down on the ridged area of the battery cover and slide it off.
2. Install two "AAA" batteries as shown. Make sure that proper polarity (+ or -) is observed.
3. Slide the cover back until it clicks.



# REMOTE CONTROL OPERATION

## (1) TV PARTS:

### 1. POWER ON/OFF

Press this button to turn on the set.

The channel number will be displayed on the screen, and the picture will appear in a few seconds. Press the button again to turn the set off.

### 2. DIRECT ACCESS (0-9, 1--) BUTTONS

Use these buttons to make a direct channel selection. The channel number chosen will be displayed on the screen for about 4 seconds.

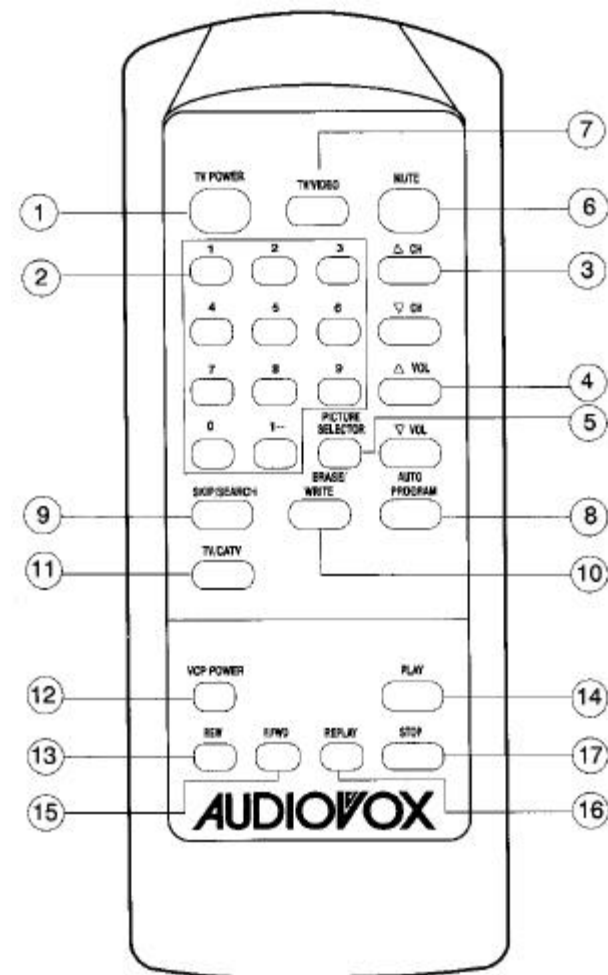
The direct access is carried out with 0-9 keys (0-99ch) and "1—" key (100-125ch).

### 3. CHANNEL UP/DOWN BUTTONS

Use these buttons to advance to the next higher (\*\*) or lower (□) channel.

### 4. VOLUME/PICTURE SELECTOR UP/DOWN BUTTONS

Use these buttons to raise (\*\*) or lower (□) the sound level, also used to make picture adjustments in picture selector mode.

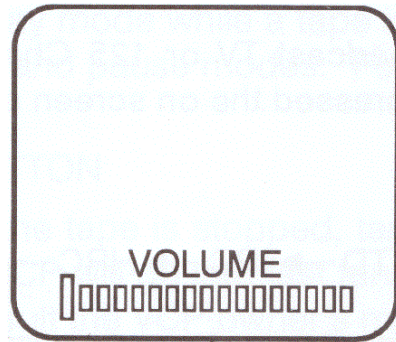


## 5. PICTURE SELECTOR BUTTON

Each time this button is pressed, the on screen picture adjustment display cycles through “adjustment bars” for CONTRAST, BRIGHTNESS, COLOR, and TINT. Then use VOLUME UP/DOWN buttons to raise (\*\*) or lower (□) the level. The display will automatically turn off if no adjustments are made within about 6 seconds, or if any other button is depressed.

## 6. MUTE BUTTON

Press this button to cut off all sound. Pressing the button again restores sound to the previously set level. MUTE may also be released by pressing the VOLUME UP/DOWN BUTTONS.



## 7. TV/VIDEO BUTTON

Any video equipment connected to the AUDIO/VIDEO input jacks can be used with the TV by pressing this button.

## 8. AUTO PROGRAM BUTTON

When AUTO PROGRAM button is depressed, all channels in TV or CATV mode are searched and tuned, and the channels with signals detected are automatically stored.

## **9. SKIP/SEARCH BUTTON**

This button selects between SKIP and SEARCH mode. In "SKIP mode" the TV only stops on channels that are programmed into memory when the CHANNEL UP/DOWN buttons are used. When the SKIP mode is off, the TV will stop on all active channels.

## **10. ERASE/WRITE BUTTON**

This button is used to manually add or erase any channel that is stored in the CHANNEL UP/DOWN memory. The stored channel numbers are displayed in "GREEN" on the screen, and the non-stored channel numbers are in "RED".

## **11. TV/CATV BUTTON**

Used to select regular 69 channel Broadcast TV or 125 channel Cable TV (Standard Cable, HRC Cable, or IRC Cable). As the button is pressed the on screen display will cycle as follows:

## **(2) VCP PARTS:**

### **12. POWER BUTTON**

This button is used to turn the unit on and off.

### **13. “REW” REWIND BUTTON**

If this button is pushed while the tape is stopped, the tape will rewind. If this button is pushed while the tape is playing, the VCP will go into rewind search mode. For more information on search feature of the VCP, consult VCP owner’s manual.

### **14. PLAY BUTTON**

Press this button to activate play mode while a tape is loaded into the VCP. This button may also be used to disengage search and pause modes. For more information, consult the VCP owner’s manual.

### **15. “FFWD” FAST FORWARD BUTTON**

If this button is pushed while the tape is stopped, tape will fast forward. If this button is pushed while the tape is playing, the VCP will go into fast forward search mode. For more information on search feature of the VCP, consult the VCP owner’s manual.

### **16. REPLAY BUTTON**

During playback, press this button to rewind the tape to the beginning and to begin PLAY mode from there.

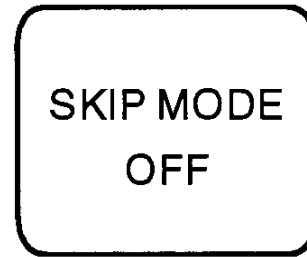
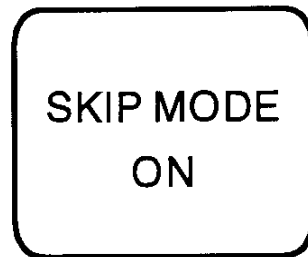
### **17. STOP BUTTON**

Press this button to stop the tape.

# CHANNEL TUNING SET UP

Follow this simple procedure to make channel tuning more convenient:

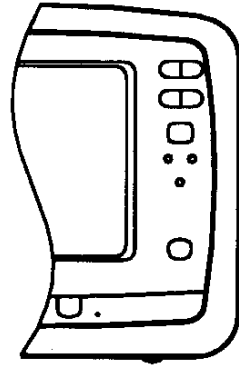
1. Use the TV/CATV button on the Remote Control to select the broadcast system appropriate for your home. The system selected will be displayed on the screen. If you have normal Broadcast TV, select "TV", if you have Cable TV select either "STD", "HRC", or "IRC" ("STD" is used by the majority of Cable Systems. Check with your cable operator.)
2. Press the AUTO PROGRAM button on the Remote Control Unit, you will see the TV cycle through all channels. The built-in Microprocessor will automatically note each channel that is actively broadcasting in your area.
3. (1) Press the SKIP/SEARCH button on the Remote Control Unit until "SKIP MODE ON" is displayed on the bottom of the screen. That's all there is to it. From now on, whenever you use the CHANNEL UP/DOWN buttons on the front panel or the Remote control, the TV will stop only on active channels.



- (2) Press the SKIP/SEARCH button on the Remote Control Unit until "SKIP MODE OFF" is displayed on the bottom of the screen. Tune to the desired channel by direct access using 0-9 buttons on the Remote Control.
4. To erase a channel, press the ERASE/WRITE button on the Remote Control Unit until the MANUAL MEMORY has erase displayed on the screen. To store a channel, press the button until the MANUAL MEMORY had been added on screen.



## CONTROL ADJUSTMENTS ON TV SET CONTROL



- **POWER BUTTON**

Operation duplicates the POWER BUTTON on the remote control unit.

- **CHANNEL UP/DOWN BUTTONS**

Operation duplicates the CHANNEL UP/DOWN BUTTONS on the remote control unit.

- **PICTURE CONTROL UP/DOWN BUTTONS  
(CONTRAST, BRIGHTNESS, COLOR, TINT)**

Press to cycle through the TV ON-Screen adjustments for color and picture controls.

- **VOLUME UP/DOWN BUTTONS**

Press to increase or decrease the TV sound level.

- **EXTERNAL SPEAKER JACK**

This jack is for the connection of an external speaker. This speaker must have a minimum of 4Ω impedance, and be able to handle at least 1.5 watts of power. When an external speaker is connected, the internal speaker will not operate.

- **VIDEO INPUT JACK**  
Connect the video output from a video camera, VCR, video game, etc.
- **AUDIO INPUT JACK**  
Connect the audio output from a video camera, VCR, video game, etc.
- **VIDEO OUTPUT JACK**  
Permits video connection of your unit to a monitor or another VCR.
- **AUDIO OUTPUT JACK**  
Permits audio connection of your unit to a monitor, or another VCR.

In addition to normal broadcast reception of VHF and UHF channels, if you are a Cable TV subscriber, your new TV is capable of receiving many unscrambled Cable channels without the use of a converter box.

When set to Broadcast TV it receives CH2-CH69. When set to one of the CATV modes (STD, HRC, or IRC) it receives CH1-CH125 (See chart on the following page.)

## CABLE TV TUNING PROCEDURE

1. Connect the CATV Cable directly to the TV antenna terminal. Your local Cable system operator's converter box should not be required unless certain premium channels are scrambled.
2. Select the appropriate CATV setting with the TV/CATV button on the remote control.
3. You can now select CATV programs by using the CHANNEL UP/DOWN button or the DIRECT ACCESS buttons. The chart below lists the total channel and Cable count.

Channels	Off Air	Cable
Low VHF (Channel 01)	-	1
VHF (Channels 2 ~ 13)*	12*	12*
UHF (Channels 14 ~ 69)	56	-
Low Midband A – 5 ~ A – 1 (Channels 95 ~ 99)	-	5
Midband (Channels 14 ~ 22 or A ~1)	-	9
Superband (Channels 23 ~ 36 or J ~ W)	-	14
Ultraband (Channels 37 ~ 94 and 100 ~ 125 or w + 1 ~ w + 84)	-	84
Total*	68	125

## ACCESSORY LIST

Description	Part Number
AVT-988 9" Color Television with Remote (12V)	AVT988
AVT-597 5" Color Television with Remote (12V)	AVT597
AVT-1498 13" Color Television with Remote (12V)	AVT1498
AVP-7000 Video Cassette Player (12V)	AVP7000
AVP-7285 Video Cassette Player (12V)	AVP7285
Wireless Headphone Kit: Includes 2 sets Wireless Headphones and Transmitter	WRFKIT1
BPA-501-12 4 Amp Adapter for use with AVT-988 9" and AVT-1498 13" Televisions	0891412
AC2A- 2 Amp Adapter for use with AVT-597 5" TV and AVP-7000 Video Cassette Player	0891436
Unified Remote Control	0892325
VAC-21- 12 Volt Corded Vacuum	VAC21
AVF-1 12 Volt Rechargeable Flashlight	AVF1
HP-175 Headphones with Pivoting Ear Cup	HP175
HP-275 Headphones with Volume Control on Cord	HP275
HP-375 Studio Quality Headphones	HP375

Unlike household electronics, all of our products have been specifically designed and tested for the mobile environment and are only available through ASA. To order any of these products, please contact Audiovox Specialized Applications at [www.asaelectronics.com](http://www.asaelectronics.com) or 800-688-3135.



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