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# AVerMedia

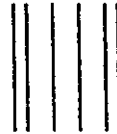
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- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced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

## CAUTION ON MODIFICATIONS

To comply with the limits for the Class B digital device, pursuant to Part 15 of the FCC Rules, this device must be installed in computer equipment certified to comply with the Class B limits. All cables used to connect the computer and peripherals must be shielded and grounded. Operation with non-certified computers or non-shielded cables may result in interference to radio or television reception.

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

## CE NOTICE

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## Introduction

*Thank you for purchasing the AVerMedia® JOYTV!*

### **AVerMedia® JOYTV Highlights**

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#### **Turn your PC Monitor into a TV**

With AVerMedia® JOYTV, you can turn your PC monitor into a TV without even having to turn on your computer. Just plug it into your PC monitor and you're ready to watch TV, your favorite videos, or play video games. AVerMedia® JOYTV is completely plug-and-play. There is no software driver required.

The AVerMedia® JOYTV provides an additional TV in your children's room. Just attach it to their computer monitor and their video game player will plug right in. AVerMedia® JOYTV is also a must in college dorm rooms where space is always a consideration.

#### **Remote TV with Alarm and Sleep Functions**

The AVerMedia® JOYTV is perfect for converting your bedroom computer into a remote TV that has an alarm function built in. The sleep function allows you to program the AVerMedia® JOYTV to turn off automatically after 30, 60, 90, or 120 minutes. You can fall asleep to your favorite programs and not bother turning the AVerMedia® JOYTV off, it does it for you.

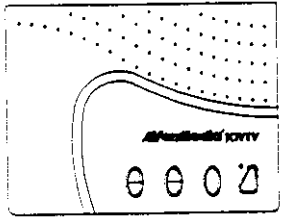
#### **Output to VCR or Video-Capture Card**

You can also output the video signal from the TV antenna or video source to a CVBS (composite video) receiving device. If you have a VCR as the receiving device, you can record your favorite TV programs or video for later viewing. If you connect a video capture card, you can capture single images or video and include them in your presentations or school reports.

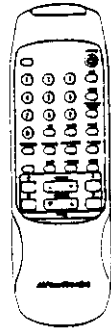
## What's in the Package

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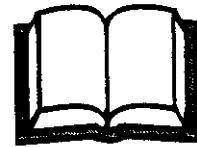
Your AVerMedia® JOYTV package contains the following items :



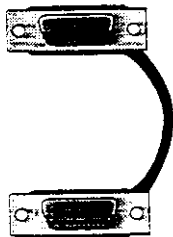
AVerMedia® JOYTV



Remote Control  
(comes with  
batteries)



This User's Manual



VGA Extension Cable

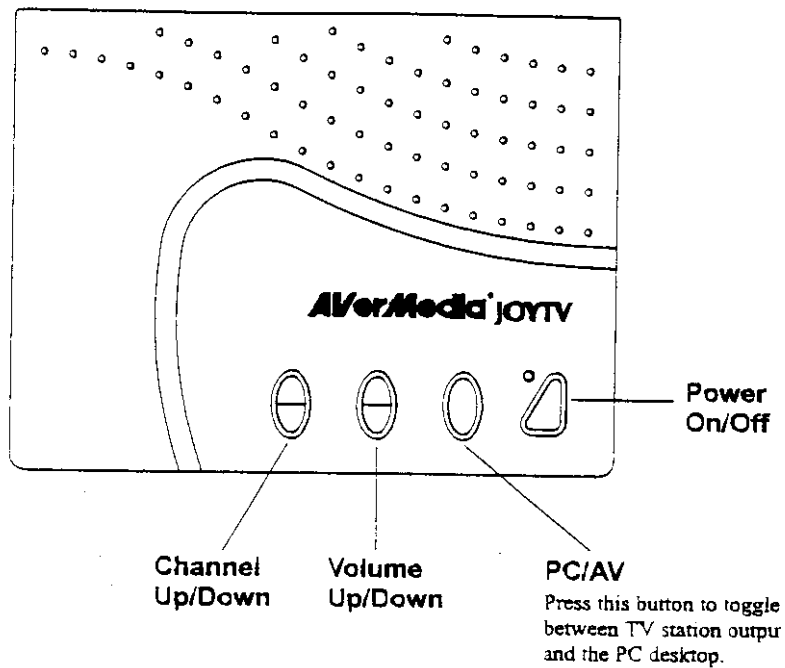


Power Adapter

## The AVerMedia JOYTV Unit

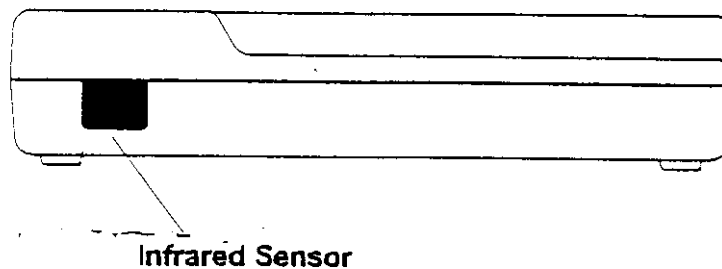
### *Touch Button Control Panel*

The Touch Button Panel found on the top side of the AVerMedia® JOYTV provides quick access to commonly used functions.



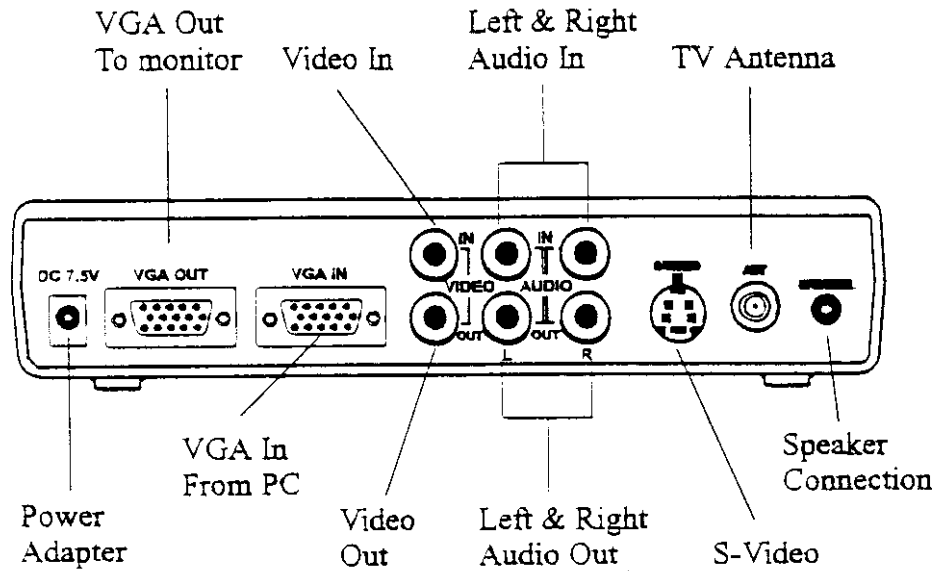
### *Infrared Sensor*

When using the remote control, aim it at the Infrared Sensor which is located at the front panel of the AVerMedia® JOYTV.



## Port Connectors

The port connectors at the back panel allow connection of your TV antenna, PC and VGA monitor, speakers, video source, video output device, etc.

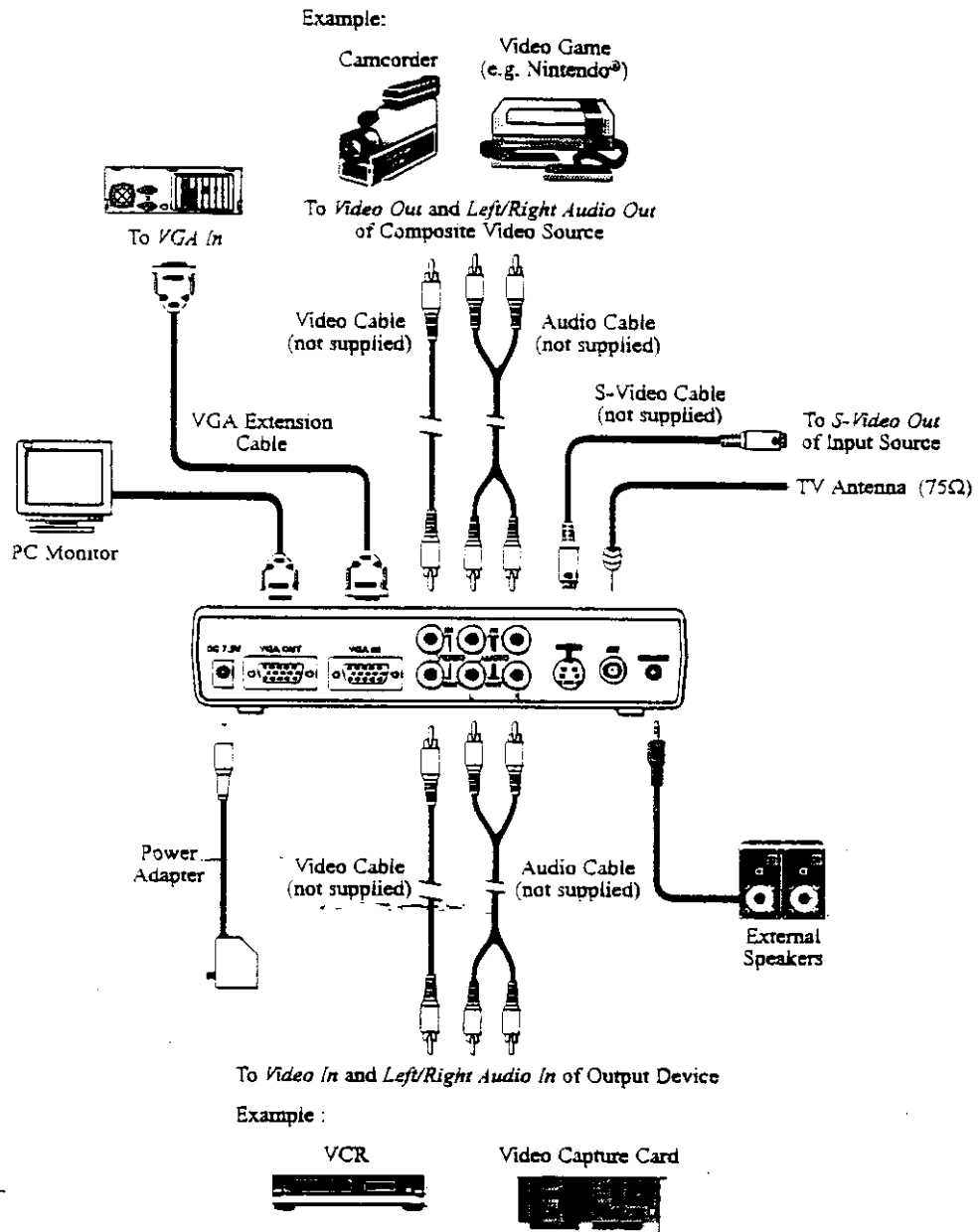


The section, *Installation and Setup*, provides more information on cable connections.



# Installation and Setup

The figure below show the proper cable connections for installing AVerMedia® JOYTV.



## User's Manual

### To Connect the VGA Monitor:

Connect the cable from your VGA Monitor to the AVerMedia® JOYTV VGA OUT port.

### To Connect the Computer:

You can use AVerMedia® JOYTV with or without using the computer.

If you need to use your computer, connect the supplied *VGA Extension Cable* to the AVerMedia® JOYTV VGA IN port and your computer's VGA card (the terminal where your monitor connects to the PC).

### To Watch TV:

Attach the antenna or cable TV to the Ant port.

### To Watch Video:

**Composite Video:** Connect a video cable to the Video Out of the video device and to the AVerMedia® JOYTV Video In port.

**S-Video:** Connect an S-video cable to the S-Video Out of the video device and to the AVerMedia® JOYTV S-Video port. If your video player supports S-Video, use this type of connection as S-Video provides better picture quality.

Connect an audio cable to the Left & Right Audio Out of the video device and to the AVerMedia® JOYTV Left & Right Audio In ports.

### To Play Video Games:

Plug in your Nintendo® or Sega® game system to the AVerMedia® JOYTV Video In port and Left & Right Audio In ports.

**To Output to a TV Monitor, VCR, Video Capture Card, etc.:**

You can output the video signal from your TV antenna or video source (like the camcorder) to a receiving device. The receiving device can be a TV monitor, VCR, video capture card, etc. Simply connect the receiving device to the AVerMedia® JOYTV Video Out port and Left & Right Audio Out ports.

**To Connect Speakers:**

Connect your amplified speakers to the SPKR port.

## Using the AVerMedia JoyTV

### Using AVerMedia® JOYTV for the First Time

When you power on the AVerMedia® JOYTV for the first time, it will automatically open the *Area Selection Menu*. Since TV signals vary in different countries, you need to select the appropriate signal. Refer to the table below for country signals.

NISCC-ME	SECAM-DK	SECAM-L	PAL-E	PAL-BG	PAL-DK
USA	RUSSIA	FRANCE	UK	HUNGARY	POLAND-1
USA-HRC	UKRAINE			EUROPE	POLAND-2
USA-IRC				ITALY	POLAND-3
TAIWAN				AUSTRALIA	CZECH
JAPAN				ZAHZV	CHINA
				MATAV	
				GUANIM	
				IDAN	

Each column in the table above corresponds to a different type of TV system. Only one of these TV systems (only one column) will appear as your *Area Selection Menu* the first time you power on the AVerMedia® JOYTV. Make sure that you select the correct country signal from the menu.

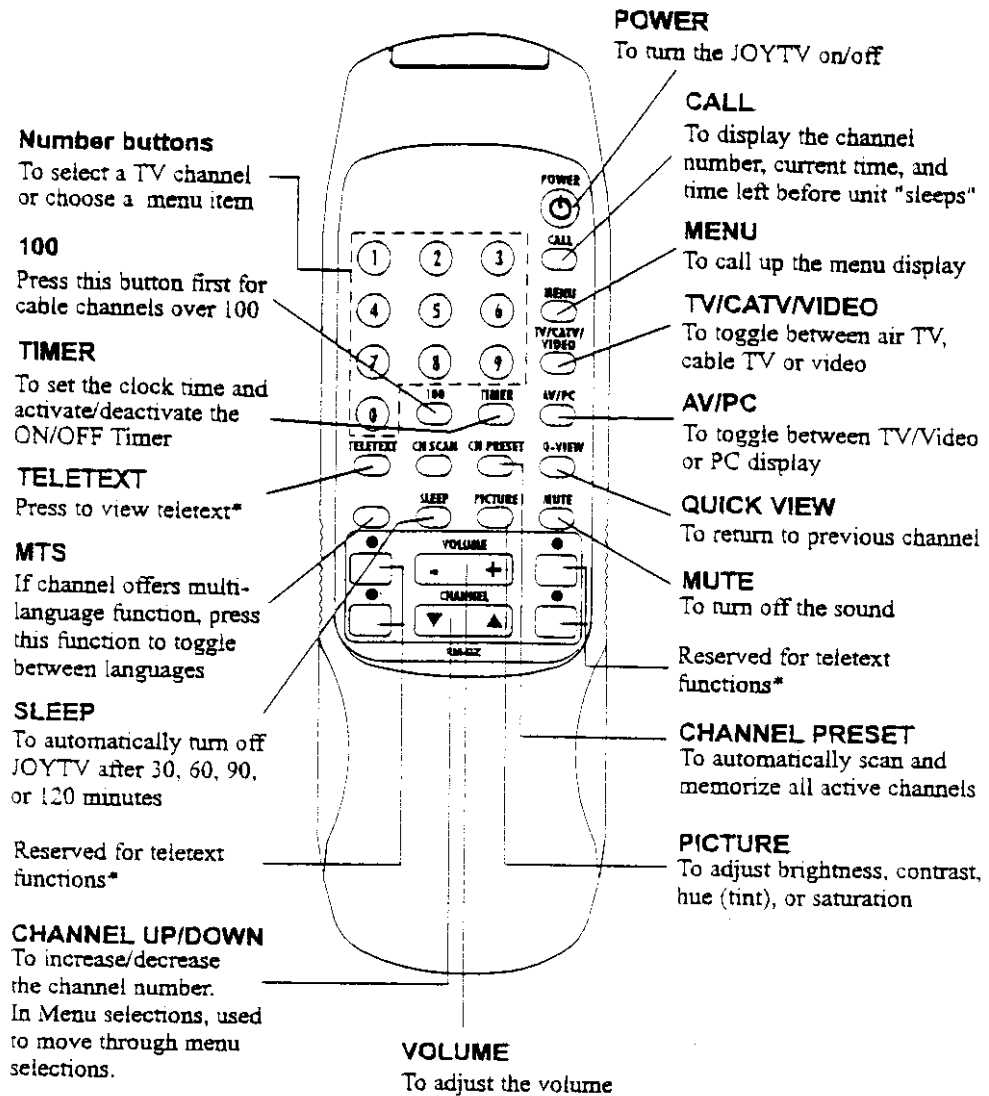
To ensure that you can select and watch all active channels, press the **CH PRESET** button on the remote control to automatically scan and memorize all active TV channels in your area. Refer to the section, *Channel Presetting*, on how to autoscans.

### Accessing the TV Controls

To access the various TV controls, open up the menu displays or press on the remote control buttons.

### The Remote Control

The figure on the next page shows a clear layout of the remote control unit.



\* Teletext buttons only present in European model.

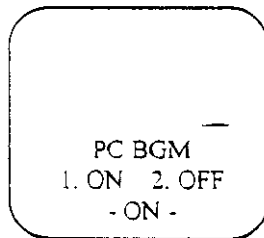
## Calling Up a Menu Display

Press the **MENU** button on the remote control to call up the various menu displays. Then, use the **Number** buttons to select which menu you want to open. The table below lists the different functions you will find in each of the menus.

Menu-1	<ol style="list-style-type: none"> <li>1. PC BGM</li> <li>2. Wake Up</li> <li>3. CH Fine Tune</li> </ol>	<p>To activate/deactivate background sound.</p> <p>To automatically turn on the JOYTV at a pre-set time.</p> <p>To adjust TV picture.</p>
Menu-2	<ol style="list-style-type: none"> <li>4. Video Source</li> <li>5. CH Remapping</li> <li>6. Area Selection</li> </ol>	<p>To select composite or S-video.</p> <p>To assign TV channels with channel numbers that are easier to remember.</p> <p>To scan for channels in the area.</p>
Menu-3	<ol style="list-style-type: none"> <li>0. TV reset</li> </ol>	<p>To clear all preset channels.</p>

The following sections describe each function in the menus in detail.

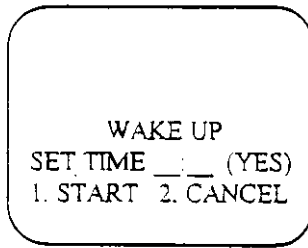
### The Background Sound Function



If you want to continue listening to the TV or video sound while you work with your PC, press **1** to turn on the background sound. The sound of the television channel will continue while you work on your PC. You can press the **AV/PC** button on the remote to toggle between the PC and the television.

To turn off the background sound, press **2**.

## The Wake Up Function

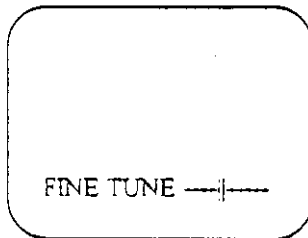


The WAKE UP function is slightly different from ON TIMER. You need only set the time to turn on the JOYTV automatically.

To activate this function, choose **SET TIME** and enter the time to turn on the JOYTV. Then, press 1.

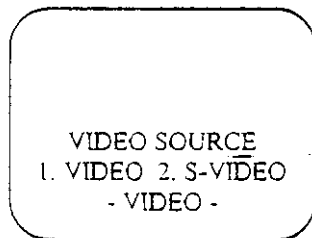
Press 2 to deactivate this function.

## Fine Tuning



If TV reception is not clear, choose **CH FINE TUNE** from MENU-2 and press the **Left and Right buttons** on the remote until the TV picture becomes clearer.

## Choosing the Video Source



If you selected to watch video from an external video device, press 1 to choose composite video or press 2 to choose S-video.

## Channel Remapping

If your broadcast area contains channels covering diverse numbers, you can reprogram these channel numbers in JOYTV. For example, if your viewing area contains channels 7, 13, 21 and 28, you can reprogram these numbers in the JOYTV channel record as channels 1, 2, 3 and 4.

CH REMAPPING  
USER CH 01  
CATV CH 10  
1. ADD      2. DEL

### ADDING CHANNELS

1. Enter an Air TV or CABLE TV channel.
2. Choose **USER CH** and type in the channel number you want to assign to the air/cable TV channel you just entered.
3. Press 1.

### DELETING CHANNELS

Enter the air or cable TV channel you want deleted and press 2.

## Area Selection

When the AVerMedia<sup>®</sup> JOYTV is first connected, the unit will automatically enter Area Selection mode and allow you to choose the appropriate country signal. Refer to the section, *Using AVerMedia<sup>®</sup> TVBox for the First Time*, for details.

If you need to enter this mode manually, press the **MENU** button and number **6** to choose **Area Selection**.

## TV Reset

Select this function to clear all preset channels.



## Remote Control Functions

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This section briefly describes a few of the more unique remote control functions.

### Setting the Timer

Use this function to set the clock time and to program the AVerMedia® JOYTV to turn on or off automatically. To set the timer, press the **TIMER** button from the remote control and make one of the selections below.

TIMER  
1. SET CLOCK  
2. ON TIMER  
3. OFF TIMER

1. Press **1** to set the current time.
2. Press **2** to activate or deactivate the **ON TIMER**. If this function is activated, the JOYTV will be turned on automatically at a preset time and channel.
3. Press **3** to activate or deactivate the **OFF TIMER**. If this function is activated, the JOYTV will be turned off automatically at a pre-set time.

ON TIMER  
SET TIME: \_\_ (YES)  
CH 00  
1. START 2. CANCEL

#### ON TIMER:

1. Choose **SET TIME** and enter the time to turn on the JOYTV.
2. Enter the channel to tune into automatically.
3. Press **1** to activate this function.

To deactivate this function, press **2**.

OFF TIMER  
SET TIME \_\_\_\_ (NO)  
1. START 2. CANCEL

#### OFF TIMER:

Choose **SET TIME** and enter the time to turn off the JOYTV.

Press **1** to activate this function. To deactivate this function, press **2**.

## Channel Presetting

There are two types of *Channel Preset* functions for memorizing active TV channels:

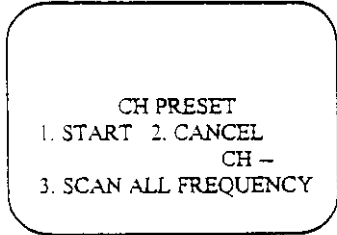
- **Default Scan**

If this is your first time to use the AVerMedia® JOYTV, first use *Default Scan* to memorize all active TV channels in your area. *Default Scan* will use the frequencies in a *default frequency table* to search for active channels.

To memorize channels using *Default Scan*, do the following:

1. Press the **CH PRESET** button.
2. Press **1** to start memorizing all the active TV channels.

As AVerMedia® JOYTV performs the search, it will display each channel number on-screen.



CH PRESET  
1. START 2. CANCEL  
CH -  
3. SCAN ALL FREQUENCY

3. You can interrupt and cancel the searching process anytime by pressing **2**.
4. Now press the **Channel Up/Down** or **Number** buttons on the remote control. Check and verify that you can access all the TV channels available in your area.

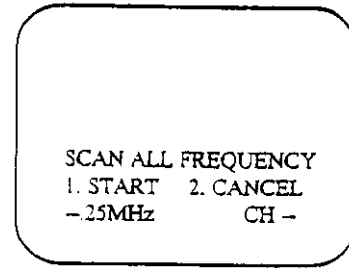
- **Scan All Frequency**

If there are channels missing after you perform *Default Scan*, use the *Scan All Frequency* function and repeat the searching process.

*Scan All Frequency* will scan frequencies starting from xx.25 MHz, increasing by 1 MHz at a time. It will check and record all frequencies for active channels. The new frequencies will replace the default frequency record.

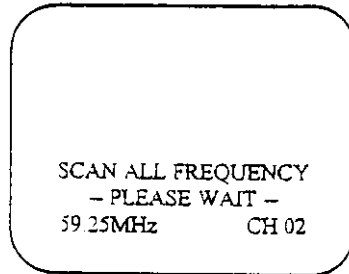
To memorize channels using *Scan All Frequency*, do the following:

1. Press the **CH PRESET** button.
2. Press **3** to choose **SCAN ALL FREQUENCY**.
3. In the **SCAN ALL FREQUENCY** page, press **1** to start scanning the new frequencies.



As the AVerMedia® JOYTV finds an active channel, it will assign the frequency to a new channel, displaying this information on-screen.

4. You can interrupt and cancel the process anytime by pressing **2**.



*Scan All Frequency* can also search for channels with xx.75 MHz or xx.50 MHz frequency, but such channels will still be memorized as having xx.25 MHz frequency. Use the **FINE TUNE** function to adjust a channel to its exact frequency and get a clear TV picture. (Refer to the section, *Fine Tuning*, for details.)

If you want to restore the *default frequency table*, execute the **TV RESET** function. All the frequencies that were memorized using *Scan All Frequency* will then be erased from the channel memory. **FINE TUNE** adjustments will also be restored to their default settings.

**NOTE :** *Scan All Frequency* is a very time consuming process. If the *default frequency table* already includes all active TV channels in your area, then avoid using *Scan All Frequency*.

## Specifications

<b>Input Signal</b>	75 ohm Coaxial TV antenna input Stereo audio input VGA input S video input Composite (RCA) video input
<b>Output Signal</b>	Stereo audio output Audio Output (RCA jack) Composite (RCA jack) video output VGA monitor output
<b>Dimensions</b>	Base unit: 8.27" x 6.30" x 1.67" (210mm x 160mm x 42.5mm) Remote unit: 7.17" x 2.20" (182mm x 56 mm)

## LIMITED WARRANTY

AVerMedia TECHNOLOGIES, Inc. warrants this product to be free of defects resulting from faulty manufacture or components under the following terms:

### WARRANTY LENGTH

Labor is warranted for (1) one year from the date of purchase.

Parts are warranted for (1) one year from the date of purchase.

Replacement products will be warranted for the remainder of the one year warranty period or (30) thirty days, whichever is longer.

### WHO IS PROTECTED

This warranty is enforceable only by the first consumer purchaser.

### WHAT IS AND IS NOT COVERED

Except as specified below, this warranty covers all defects resulting from faulty manufacturing of this product. The following are not covered by the warranty.

1. Any product on which the serial number has been defaced, modified, or removed.
2. Damage, deterioration, or malfunction resulting from:
  - A. Accident, abuse, misuse, neglect, fire, water, lightning, or other acts of nature, commercial or industrial use, unauthorized product modification, or failure to follow instructions included with the product.
  - B. Misapplication of service by someone other than the manufacturer's representative.
  - C. Any shipment damages. (Claims must be made with carrier.)
  - D. Any other cause which does not relate to a product defect.
3. Cartons, cases, batteries, cabinets, tapes, or accessories used with product.
4. AVerMedia does not warrant that this product will meet your requirements; it is your responsibility to determine the suitability of this product for your purpose.

### WHAT WE WILL AND WILL NOT PAY FOR

We will pay labor and material expenses for covered items. However, we will not pay for the following:

1. Removal or installation charges.
2. Shipping charges.
3. Any incidental charges.

### EXCLUSION OF DAMAGES

THE MANUFACTURER'S SOLE OBLIGATION AND LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF A DEFECTIVE PRODUCT AT OUR OPTION. THE MANUFACTURER SHALL NOT, IN ANY EVENT, BE LIABLE TO THE PURCHASER OR ANY THIRD PARTY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE (INCLUDING, BUT NOT LIMITED TO, DAMAGES RESULTING FROM INTERRUPTION OF SERVICE AND LOSS OF BUSINESS) OR LIABILITY IN TORT RELATING TO THIS PRODUCT OR RESULTING FROM ITS USE OR POSSESSION.

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There are no other oral or written warranties, expressed or implied, including but not limited to those of merchantability or fitness for a particular purpose. Any implied warranties are limited in duration to one year from the date of purchase.

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### CONTACT INFORMATION

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