

User's Manual







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FCC ID: J4EK0A3

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CE NOTICE

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CHAPTER 1

Introduction

Thank you for purchasing the **AVerKey300**. We are certain you will find this product a useful video presentation tool that is highly suitable for your business and multimedia applications.

To get you started, this chapter briefly describes what the **AVerKey300** has to offer. At the end of the chapter, you will find the system requirements needed in order to use this product.

Product Highlights

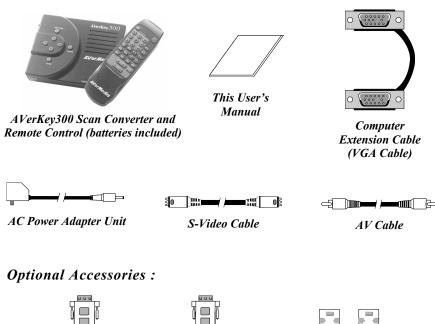
The AVerKey300 is an external PC/MAC/NEC-to-TV scan converter. It can convert computer images into video format and display them on any TV monitor or large-screen LCD projector. True Plug & Play with no software drivers required, the AVerKey300 is compatible with all computers, notebooks and operating systems.

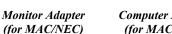
The AVerKey300 offers many exciting new features to enhance your presentations. Four very special features are the Area Zoom, AVerMedia Spot-Zoom, AVerMedia Pointer-Zoom, AVerMedia Spylight. They are special highlighting functions which allow you to focus on specific areas of your screen and emphasize key points in your presentation. The AVerKey300 provides up to 7 Selectable Sharpness Controls to choose from. Full Screen Underscan/Overscan and Horizontal/Vertical Adjustment prevents images from being "chopped out". The Screen Freeze function allows you to pause video output and make last-minute changes to your presentations. And with Super-VGA compatibility, your applications can be converted into resolutions up to 1600 x 1200 (PC and MAC) in 16.7 million colors. All of these features (and more) can be easily accessed with the Infrared Remote Control.

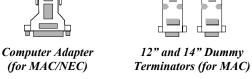
Even without the remote, you will still be able to operate the **AVerKey300**. It has a built-in *Touch Button Control Panel* which gives you access to many key functions.

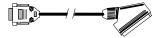
What's in the Package

Your **AVerKey300** package includes the following:









SCART Cable (optional on PAL version)

Features and Specifications

The **AVerKey300** provides the following features and specifications:

Features

- Plug and Play, no software drivers required.
- Compatible with all PCs, MACs, NEC 98 family PCs, and Laptops.
- Wireless remote control access to all functions.
- Touch-button control panel.
- Supports resolutions up to 1600 x 1200 (PC and MAC) with 16.7 million colors
- Up to 7 levels of flicker-filter selection for sharpness control.
- Simultaneous display on computer and TV monitors (Supports all VGA monitors and MultiScan MAC monitors).
- 3 types of Highlighting functions :
 - * AVerMedia Spot

This function highlights a certain area on the image by darkening external areas and by creating a colored border within your area of interest. Create a highlight as large as 1/4th of your screen or as small as 1/64th of your presentation screen.

* AVerMedia Pointer

Similar to a Laser Pointer, the *AVerMedia Pointer* is a 4 x 4 pixel square that lets you direct your viewers attention to key areas on the screen.

* AVerMedia Spylight

This function highlights certain areas of your screen by darkening unwanted areas. You can darken areas horizontally or vertically.

- 4 types of Zoom:
 - * Traditional Zoom & Pan

Users can zoom in (200%) the computer screen on TV display and pan around freely to any part of the screen.

* Exclusive AVerMedia Area Zoom

Divides the computer screen into 9 parts and allows you to select the desired part through the "Area Zoom Control" on the remote.

* New AVerMedia Spot-Zoom

After you highlight a certain area using AVerMedia Spot, you can zoom in and out of the highlighted area.

* New AVerMedia Pointer-Zoom

You can point to a key area in your presentation using AVerMedia Pointer and then enlarge that area.

- Zoom sharpness control.
- Screen freeze/unfreeze.

Screen freeze allows you to pause the video output and make last-minute changes to your presentations.

• Full-screen underscan/overscan.

Full-screen underscan/overscan ensures your screen images won't be "chopped off" on the borders of the screen.

(Note: Images will not be chopped off for resolutions up to 1600 x 1200.)

- Wide-range picture width and height adjustment.
- Horizontal/vertical picture positioning.
- Horizontal/vertical screen panning.
- TV brightness control.
- Composite/S/RGB video output.
- Save settings when powering off.

Specifications

Input Signal: VGA, RGB or MAC

Horizontal frequency: 24KHz - 108KHz

Vertical frequency: 56Hz - 120Hz

Output Signal: Composite video, S-video, Computer monitor (PC, MAC

or NEC) pass-thru output, SCART RGB video output

Power Supply: 7.5VDC Power Adapter

Dimensions: Base unit : 5.95" x 4.76" x 1.45"

(15.11cm x 12.1cm x 3.7cm)

Remote control: 7.24" x 2.2" x 0.65"

(18.4cm x 5.6cm x 1.7cm)

Weight: 0.77 lb. (349 grams)

Compliance: FCC Class B

System Requirements

To use the AVerKey300, you will need:

- IBM® PC or compatibles;
- Any Macintosh that support up to 1600 x 1200 display mode; (MAC systems without the monitor output require a Power-R or Apple® adapter); or
- Any NEC computer from the NEC 98 Series

NOTE: AVerKey300 should in theory support any computer and display systems with a vertical display frequency range of 56Hz to 120Hz and a horizontal display frequency of 24KHz to 108KHz. However, due to different custom hardware configurations and the wide variety of connectors used on various systems, we cannot guarantee that AVerKey300 will function properly.

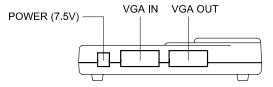
Chapter 2

Hardware Installation and Setup

This chapter will show you how to install the **AVerKey300** to an IBM compatible PC, Macintosh computer and NEC PC.

Connecting AVerKey300 to the Computer and Monitor

The ports on the back panel of the **AVerKey300** are for connecting the converter to the system unit and graphics display monitor. The figure and descriptions below specify what device should go into each port. (Text describing each port are printed at the bottom side of the converter.)



AVerMedia AVerKey300 Back Panel

POWER (7.5V): Plug the AC Power Adapter to this port.

VGA IN : For IBM PC or compatible:

This port connects the **AVerKey300** to the IBM compatible PC's VGA port via the supplied *Computer Extension Cable*.

For Macintosh or NEC computer :

This port connects the **AVerKey300** to the Macintosh/NEC PC's display card via the

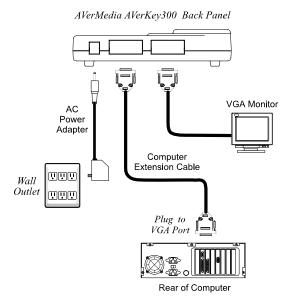
supplied Computer Extension Cable. (A Computer Adapter should be used to connect.)

VGA OUT

: The computer monitor should be connected to this port. (A *Monitor Adapter* is needed to connect the Macintosh or NEC monitor.)

Connecting an IBM PC and VGA Monitor

To connect the **AVerKey300** with an IBM PC or compatible and a VGA monitor, follow the setup diagram and step-by-step procedure below.



1. Connect the **AVerKey300** to the PC.

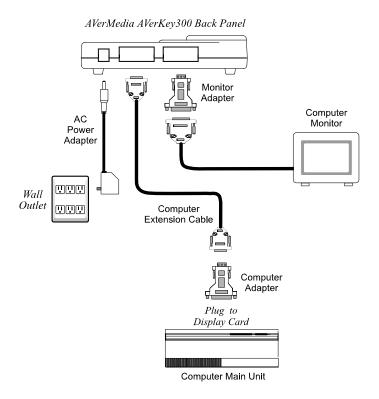
Plug one end of the supplied *Computer Extension Cable* to the **AVerKey300** "VGA IN" port and the other end to the PC's VGA port.

Connect the VGA monitor to AVerKey300.
 Plug the VGA monitor cable to the AVerKey300 "VGA OUT" port.

3. Plug the supplied AC Power Adapter into the AVerKey300 "POWER" port.

Connecting a Macintosh (or NEC) Computer and Display Monitor

To connect the **AVerKey300** with a Macintosh or NEC computer and a display monitor, follow the setup diagram and procedure below.



- 1. Use the supplied Computer Extension Cable and the Computer Adapter to connect AVerKey300 to the Macintosh or NEC computer. (The Computer Adapter is provided as an option.)
 - Plug one end of the Computer Extension Cable to the AVerKey300 "VGA IN" port.

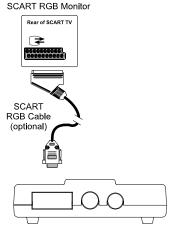
- Attach the Computer Adapter to the other end of the Computer Extension Cable.
- Connect the *Computer Extension Cable* with the attached *Computer Adapter* to the monitor port on the back panel of your Macintosh or NEC computer.
- 2. Connect your Macintosh or NEC monitor to the AVerKey300.
 - Disconnect the monitor from the computer.
 - Then, attach the *Monitor Adapter* to the monitor cable. (The *Monitor Adapter* is provided as an option.)
 - Connect the monitor cable with the attached Monitor Adapter to the **AVerKey300** "VGA OUT" port.
- 3. If you do not intend to use a computer monitor with your Macintosh computer, you will need to connect a dummy terminator to the **AVerKey300** "VGA OUT" port. In general, a 14" terminator is used. A 12" terminator is only used with software that requires it.

Terminators are used with Macintosh and laptops when no external monitor is used. (12" and 14" terminators are provided as optional accessories with the **AVerKey300**.)

4. Plug the supplied AC Power Adapter into the AVerKey300 "POWER" port.

Connecting a SCART RGB Monitor

If you are using a SCART RGB monitor, connect the monitor to the **SCART RGB** port at the side panel of **AVerKey300** using the *SCART RGB Cable*. (The *SCART RGB Cable* is provided as an optional accessory cable with the **AVerKey300**.)

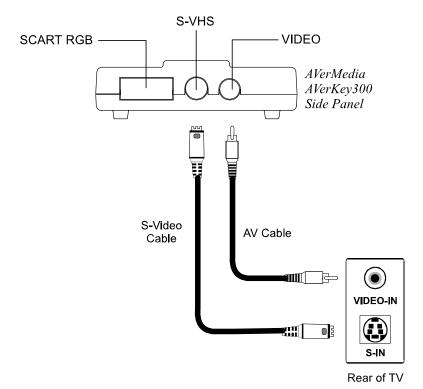


Connecting the TV

To display the computer screen on TV (or any video monitor), you will need to connect the TV to one of the ports at the **AVerKey300** side panel.

If the TV set uses the composite video standard, connect the TV to the **AVerKey300** "VIDEO" port using the supplied AV Cable.

If the TV set uses the S-video standard, connect the TV to the **AVerKey300** "S-VHS" port using the supplied S-Video Cable.



Chapter 3

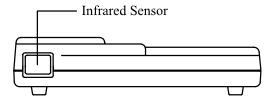
Using the AVERKEY300

This chapter will show you how to use the *Remote Control Unit* and *Touch Button Control Panel* of the **AVerKey300**. At the end of this chapter, you will find details on using the special highlighting and zoom functions of the **AVerKey300**.

Using the Remote Control

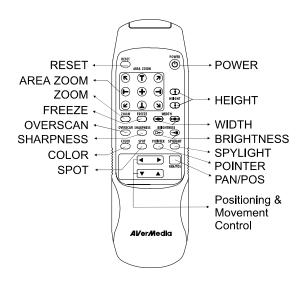
To use the remote control, first insert the batteries (2 size "AA" batteries are provided) into the battery compartment at the back of the remote.

The *Infrared Sensor* is located at the front panel of the **AVerKey300** (see figure below). While using the remote, aim it at the infrared sensor.



AVerMedia AVerKey300 Front Panel

The figure and descriptions on the following pages show you how to use the remote control.



POWER : Switches the AVerKey300 on/off.

RESET: Restores the AVerKey300 to original factory

settings.

AREA ZOOM : Provides quick selection of the screen area to

magnify.

The Area Zoom function divides the computer image on the TV into 9 parts and allows you to

select the desired part to zoom.

Refer to the section, Different Types of Zoom, for

more details.

ZOOM : Press this button to zoom in or out of the

computer image on TV.

FREEZE: Press this button to freeze or unfreeze the

computer image on TV.

OVERSCAN

: Toggles between *Underscan* and *Overscan*.

Overscan displays the computer image on TV to the fullest. The image will be chopped off at the borders when displayed this way.

When you switch to *Underscan*, the computer image will be completely displayed on TV.

Note: Images will not be chopped off for resolutions up to 1600 x 1200 in underscan mode.

SHARPNESS

: This button is a cyclic switch which, when pressed successively, alternates with 7 levels of sharpness. Press this button repeatedly until you find the level of sharpness you want.

HEIGHT



: Press to enlarge the height of the computer image on TV.

....



: Press to reduce the height of the computer image on TV.

WIDTH



: Press to enlarge the width of the computer image on TV.

Press to reduce the width of the computer image on TV.

BRIGHTNESS



: Press (to decrease the brightness level.

Press $\bigcirc \leftarrow$ to increase the brightness level.

There are 4 brightness levels to choose from.

PAN/POS

: Toggles between PAN and POS modes.

When you switch to **PAN** mode, pressing the **Positioning & Movement Control** buttons will allow you to move around the computer image on TV.

When you switch to **POS** mode, pressing the **Positioning & Movement Control** buttons will allow you to change the position of the computer image on the TV. You can move the image left, right, up, or down.

COLOR

: This button is a cyclic switch which, when pressed successively, alternates with 8 types of colors. This button allows you to change the color of the *Pointer* and the frame surrounding the area highlighted by *AVerMedia Spot*.

Refer to the section, Special Highlighting Functions, for more details.

SPOT

: Press this button to highlight a certain area in your presentation. The highlighted area will be surrounded by a colored frame and areas outside the frame will look dark. (Refer to the section, Special Highlighting Functions, for more details.)

POINTER

: This button functions just like a laser pointer. (Refer to the section, *Special Highlighting Functions*, for more details.)

SPYLIGHT

: Press this button to highlight certain areas of your presentation and darken the rest. (Refer to the section, *Special Highlighting Functions*, for more details.)

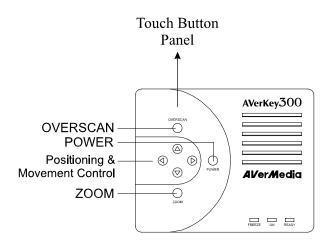
Positioning and
Movement
Control

Use these buttons to:

- * Move around the computer image on TV.
- * Change the position of the image.
- * Move the *Pointer* to another area on-screen.
- * Highlight other areas on the screen.

Touch Button Panel

The figure and descriptions below show you how to use the *Touch Button Panel* on the hardware case.



POWER : Switches the AVerKey300 on/off.

OVERSCAN: Toggles between *Underscan* and *Overscan*.

(Refer to the section, Using the Remote Control,

for more details on this function.)

ZOOM : Press this button to zoom in or out of the

computer image on TV.

Positioning & Movement Control

: Use these buttons to :

* Move around the computer image on TV.

* Change the position of the image.

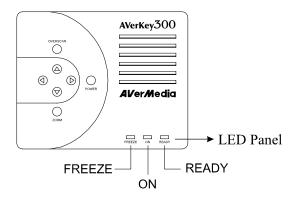
* Move the *Pointer* to another area on-screen.

* Highlight other areas on the screen.

The LED Panel

Aside from the touch button panel, you will also find an *LED Panel* on the **AVerKey300** hardware case.

The figure and descriptions below show what each LED indicator in this panel represents.



FREEZE : This LED shows whether FREEZE or

UNFREEZE is in operation. (FREEZE is a red LED in the NTSC version and a green LED in the

PAL version.)

If this LED is on, it means that the user has

paused, that is, frozen the screen.

ON : This (green) LED is the power on/off indicator. If

this LED is on, it indicates that the

AVerKey300 has been powered on.

READY: If this (red) LED is on, it indicates that the

AVerKey300 is ready for use.

Special Highlighting Functions

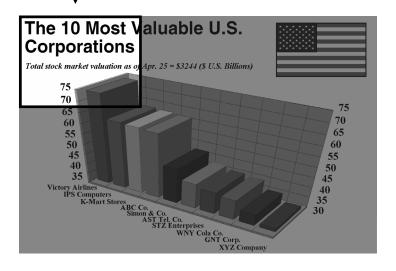
The **AVerKey300** provides 3 special functions for highlighting key points in any presentation: **AVerMedia Spot**, **AVerMedia Pointer** and **AVerMedia Spylight**. You can use these functions by pressing the corresponding buttons on the remote control.

AVerMedia Spot

To highlight a certain area in your presentation, press the **SPOT** button on the remote

A colored frame will appear around the highlighted area and the rest of the image will be darkened. The highlighted area will appear as if there is a "spotlight" directed on it. The figure below shows an illustration.

Highlighted Area



Changing the Size of the Highlight

You can adjust the size of the "spotlight", that is, the highlighted area. Use the **WIDTH** and **HEIGHT** buttons to create a highlight as large as 1/4th of your screen or as small as 1/64th of your presentation screen.

Changing the Color of the Frame

Use the **COLOR** button to select a color for the frame. There are 8 colors to choose from.

Changing the Highlight

To highlight another area in your presentation, use the **Positioning** and **Movement Control** buttons. Press the Up, Down, Left, and Right Arrows to direct the "spotlight" to another area.

AVerMedia Pointer

AVerMedia Pointer is very similar to the laser pointer. It is a 4 x 4 pixel square which lets you direct your viewer's attention to key areas in your presentation.

To point on a key area in your presentation, press the **POINTER** button on the remote. The figure below shows an illustration.



Extending the Point into a Line

If you have a very large audience, the *Point* on your presentation screen might not look obvious and clear enough. You can extend the *Point* into a *Line*:



Use the **WIDTH** buttons to extend the point into a line or change the line back into a point. At most, you can lengthen the line up to the full extent of your screen width.

Moving the Point (or Line)

Use the **Positioning and Movement Control** buttons to move the point (or line) up, down, left and right.

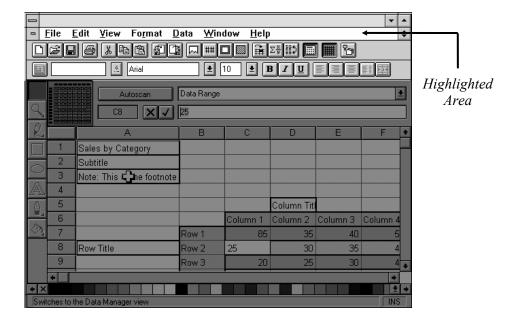
Changing the Color

Use the **COLOR** button to select a color for the point (or line). There are 8 colors to choose from.

AVerMedia Spylight

Using AVerMedia Spylight resembles the way you highlight parts of your presentation with an overhead projector. With Spylight, you can highlight any portion you want and "cover" the rest by darkening areas which you do not want to show to your audience.

When you press the **SPYLIGHT** button for the first time, the upper part of your presentation screen will be highlighted:



Highlighting Areas Horizontally and Vertically

You can use the **Positioning and Movement Control** buttons to slowly "expose" the rest of your presentation screen to your audience.

Press the Left, Right, Up, and Down Arrows to highlight more areas to the left, right, top, and bottom. Press the same buttons to "cover up" more portions of the screen and reduce the highlighted area.

Example 1:



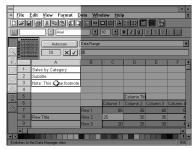
The entire top area is highlighted.





To extend the highlight downwards, press the DOWN Arrow.





To reduce the highlight to the left, press the LEFT Arrow.

Example 2:



Most of the left part of the screen is highlighted.





To extend the highlight to the right, press the RIGHT Arrow.





To reduce the highlight upwards, press the UP Arrow.

Different Types of Zoom

The AVerKey300 provides 4 types of zoom: Normal Zoom, AVerMedia Area Zoom, AVerMedia Spot-Zoom, and AVerMedia Pointer-Zoom.

Normal Zoom

Normal Zoom allows you to zoom in (200%) the computer screen on TV display. Simply press the **ZOOM** button on the remote control.

You can move (pan) around freely to any part of the screen. Press the **PAN/POS** button to change to PAN mode. Then, press the Up, Down, Left, and Right Arrows, which are the **Positioning and Movement Control** buttons, to move around the zoomed image.

AVerMedia Area Zoom

This function divides your screen into 9 parts and allows you to select the desired part to zoom through the available buttons on the remote control.

The directional buttons on the remote corresponds to 9 parts of your screen:

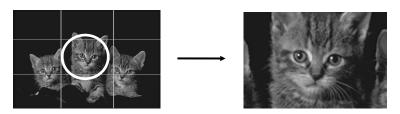


Directional Buttons on the Remote Control

9 Parts of the Screen

Choose which part you want to zoom, and then press one of the 9 directional buttons on the remote that corresponds to that area.

Example:



To pan around the zoomed area, press the **PAN/POS** button to change to PAN mode. Then, press the Up, Down, Left, and Right Arrows, which are the **Positioning and Movement Control** buttons, to move around the zoomed area.

AVerMedia Spot-Zoom

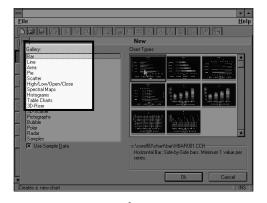
As described earlier in the section, *AVerMedia Spot*, under *Special Highlighting Functions*, you can highlight a certain area in your presentation by pressing the **SPOT** button.

After pressing the **SPOT** button, press **ZOOM** if you want to enlarge the highlighted area inside the colored frame. (Refer to the figure on the next page.)

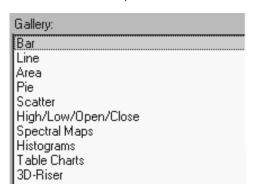
To shift the focus of the zoomed area, press the Up, Down, Left, and Right Arrows, which are the **Positioning and Movement Control** buttons.

Note: This function is not supported under 1280 x 1024 and above.

AVerMedia Spot-Zoom Function



Press the **SPOT** button to highlight an area.



Then, press the **ZOOM** button to enlarge the highlighted area.

AVerMedia Pointer-Zoom

After you press the **POINTER** button to point on a key area in your presentation screen, press the **ZOOM** button to magnify the area where you are pointing to.

Note: AVerMedia Spot-Zoom and Pointer-Zoom functions are not supported for screen resolutions 1280 x 1024 and above.

Chapter 4

Troubleshooting

This chapter provides many useful tips on how to solve common problems while using the **AVerKey300**.

There is no picture on my TV.

- 1. Check all the connectors again as shown in this manual.
- 2. Check your TV remote control on/off switch and channel setting.
- 3. Verify the setting of the Composite Input or S-VHS Input of your TV set
- 4. If you are using a SCART connector, check the SCART input of your TV set.
- 5. If you are using a notebook, you may have to switch to external VGA mode. (Refer to your notebook's manual.)
- 6. As specified by IBM, some systems may require that the monitor is present and connected when the system is powered up.
- 7. If you are using the **AVerKey300** on the Macintosh, you must have a Macintosh monitor or *Dummy Terminators* connected.

When the signal runs through a VCR, there is no picture on the TV.

- 1. Check your TV/VCR input channel setting.
- 2. If your TV and VCR are connected to an AV Amplifier, please check the input/output selection.

I have set up the AVerKey300 and checked all the connections as specified in the manual, but I can only get a picture on the VGA monitor, not on the TV screen.

AVerKey300 is in the "Ready" mode once power is connected. You need to switch **AVerKey300** "ON", either from the remote control or from its touch button panel to display both VGA and VIDEO.

The picture on my TV is distorted.

- 1. Before doing any adjustments, reset all the picture attributes to the factory default setting using the "Reset" button on the remote control.
- 2. Each VIDEO display device is slightly different from another. Use the Panning Control of **AVerKey300** to adjust the picture.
- 3. Use the Brightness and Sharpness picture attributes controls on the remote control to reduce the distortion.

The picture on my TV is all messed up.

- 1. When using **AVerKey300** with the Macintosh, up to 1600 x 1200 can be supported.
- 2. When using **AVerKey300** with IBM PC compatible computers, screen resolutions up to 1600 x 1200 (horizontal frequency less than 108.4KHz) is supported.

There is no image on both my Macintosh monitor and TV.

When you turn on the Macintosh computer, it will first auto-detect the type of monitor you have. During auto-detection, there won't be any display on your Macintosh monitor. To avoid this problem, connect your Macintosh computer, monitor and all the necessary cables to the **AVerKey300** first before you power on your Macintosh computer.

Appendix

Supported Display Modes

The reference table below lists the various display resolutions which the AVerKey300 can support.

Computer / Operating	Display Resolution	Maximum Vertical Frequency	Maximum Horizontal
System			Frequency
IBM PC	720 × 400	60 Hz	31.5 KHz
DOS/V	640 × 480	60 Hz	31.5 KHz
		72 Hz	37.9 KHz
		75 Hz	37.5 KHz
		85 Hz	43.3 KHz
		90 Hz	47.9 KHz
		100 Hz	52.2 KHz
		120 Hz	61.79 KHz
	800 × 600	56 Hz	35.1 KHz
		60 Hz	37.9 KHz
		72 Hz	48.1 KHz
		75 Hz	46.9 KHz
		85 Hz	53.7 KHz
		90 Hz	57.0 KHz
		100Hz	62.5 KHz
		120 Hz	77.17 KHz
	1024 × 768	60 Hz	48.4 KHz
		70 Hz	56.5 KHz
		75 Hz	60 KHz
		85 Hz	68.57 KHz
		100 Hz	81.42 KHz
		120 Hz	98.78 KHz
	1152 × 864	60 Hz	53.68 KHz
		75 Hz	67.47 KHz

Computer / Operating System	Display Resolution	Maximum Vertical Frequency	Maximum Horizontal Frequency
	1280 × 960	75 Hz	75.16 KHz
	1280 × 1024	60 Hz	63.96 KHz
		75 Hz	80 KHz
		85 Hz	91.30 KHz
		100 Hz	108.4 KHz
	1600 × 1200	60 Hz	75 KHz
		75 Hz	93.8 KHz
		85 Hz	106.3 KHz
NEC PC9821	640 × 400	56 Hz	24.8 KHz
NEC PC9801	640 × 480	60 Hz	31.5 KHz
Macintosh	512 × 384	60 Hz	24.5 KHz
	640 × 480	120 Hz	35 KHz
	800 × 600	56 Hz	37.861 KHz
		60 Hz	37.879 KHz
		85 Hz	53.7 KHz
	832 × 624	75 Hz	49.7 KHz
	1024 × 768	75 Hz	60 KHz
		85 Hz	68.57 KHz
		120 Hz	60 KHz
	1152 × 874	75 Hz	68.7 KHz
	1280 × 1024	75 Hz	79.98 KHz
		85 Hz	91.15 KHz
	1600 × 1200	75 Hz	93.96 KHz
		85 Hz	100 KHz

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.
- 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.
- 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.

LIMITATIONS OF IMPLIED WARRANTIES

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

STATE LAW AND YOUR WARRANTY

This warranty gives you specific legal rights, and you may also have other rights granted under state law. These rights vary from state to state

CONTACT INFORMATION

www.avermedia.com