

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 Spotlight*. 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 1024 x 768 in 16.7 million colors. All of these features (and more) can be easily accessed with the *Infrared Remote Control*.

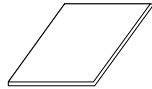
Even without the remote, you will still be able to operate the AVerKey300. It has a built-in ***Touch Button Control Panel*** which gives you access to many key functions.

What's in the Package

Your AVerKey300 package includes the following :



AVerKey300 Scan Converter and Remote Control (batteries included)



This User's Manual



Computer Extension Cable (VGA Cable)



AC Power Adapter Unit

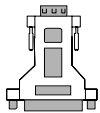


S-Video Cable

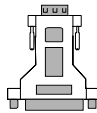


AV Cable

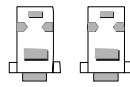
Optional Accessories :



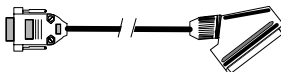
Monitor Adapter (for MAC/NEC)



Computer Adapter (for MAC/NEC)



12" and 14" Dummy Terminators (for MAC)



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 1024 x 768 (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 Spotlight*

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 1024 x 768.)
- 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

VGA, RGB or MAC

Horizontal frequency : 24KHz - 65KHz

Vertical frequency : 50Hz - 100Hz

Composite video, S-video, Computer monitor (PC, MAC or NEC) pass-thru output, SCART RGB video output

7.5VDC Power Adapter

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)

0.77 lb. (349 grams)

FCC Class B

System Requirements

To use the AVerKey300, you will need :

- IBM® PC or compatibles;
- Any Macintosh supporting standard display modes :
 - 512 x 384 at 24KHz ; 640 x 480 at 31KHz or 35KHz ;
 - 832 x 624 at 48KHz ; up to 1024 x 768 at 60KHz
 - (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 50Hz to 100Hz and a horizontal display frequency of 24KHz to 65KHz. 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.