SunRize
INDUSTRIES

STUDIO 16™

User's Guide

Credits

Studio 16 Software

Todd Modjeski
Anthony J. Wood
Ben Fuller

AD516 Hardware

Anthony J. Wood

AD1012 Hardware

Robert L. Hubertus
Anthony J. Wood

Manual

Susan D. Bruner
Jamie Krutz

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During the above one-year period, defective parts will be repaired, adjusted and/or replaced (at Manufacturer's option) without charge to the purchaser when the AD516 or AD1012 is returned, prepaid and insured, with proof-of-purchase date, to SunRize Industries customer service listed below. UNITS RETURNED WITHOUT PROOF-OF-PURCHASE DATE OR REPAIR FEE WILL NOT BE REPAIRED.

Before returning your AD516 or AD1012 for service, please review the service instructions in this manual.

SunRize Industries
2959 Winchester Blvd., 2nd Floor
Campbell, CA 95008 USA
Tel: (408) 374-4962
Fax: (408) 374-4963

FCC Regulations

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 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.

Note: Use of shielded audio cables is required to comply with the class B limits in Part 15 of FCC Rules.

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Introduction

Studio 16 software, when combined with either the AD516 or AD1012 audio card, becomes an advanced hard disk recording system. Both the AD516 and the AD1012 audio cards plug into your Amiga 2000/3000 and add audio in, audio out, and SMPTE in to your computer. They both include a sound coprocessor (a DSP) as well as high fidelity recording and playback circuitry. The AD516 and AD1012 will record direct to disk and play back multiple channels direct from disk.

The AD516 is a 16 bit stereo card that is suitable for professional video and CD mastering. Its advanced circuitry enables it to playback up to eight channels simultaneously. And the internal SMPTE time code reader allows it to create extensive Cue Lists of samples to trigger to a video tape. The more economical AD1012 is a 12 bit mono board that includes the same SMPTE support as the 16 bit card and is ideal for video applications. See Appendix B for complete specifications for the AD516 and AD1012.

Included with both the AD516 and AD1012 is the Studio 16 recording and editing software. When combined with an audio card, Studio 16 allows you to record very long sounds directly to your hard disk. Studio 16 allows you to edit and mix sounds.

About This Manual

This manual provides information for installing and using Studio 16. This manual is divided into nine Chapters and a detailed Reference Section. Appendices and an Index are also included.

Chapter 1 ..... **Introduction to Digital Audio** describes the digital sampling process and explains the difference between 8, 12, and 16 bit audio.

Chapter 2 ..... **Installation** explains how to install an AD516 and AD1012 in a computer and install Studio 16 on a hard drive.

Chapter 3 ..... **Getting Started** includes a brief introduction to sampling, playing, editing, and an overview of common screen elements.

Chapter 4 ..... **Hard Disk Drives** provides information on required hard disk specifications, and optional storage devices.

Chapter 5 ..... **SMPTE** includes an introduction to the SMPTE time code standard and suggestions for SMPTE applications.

Chapter 6 ..... **Cue List Tutorial** provides step by step instructions to set up and trigger a collection of samples with SMPTE time code.

Chapter 7 ..... **Trouble Shooting** lists common problems that may be encountered while working with Studio 16 and their solutions.

Chapter 8 ..... **Module Reference** Provides detailed explanation and instructions for all Studio 16 Modules.

Appendix A ..... **Technical Support** instructs users on obtaining technical support if it is required.

Appendix B ..... **Hardware Specifications** details the AD516 and AD1012.

Appendix C ..... **Third Party Sources** includes a list of suppliers for SMPTE converters, Sound Effect Libraries and similar products that enhance the Studio 16 system.

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