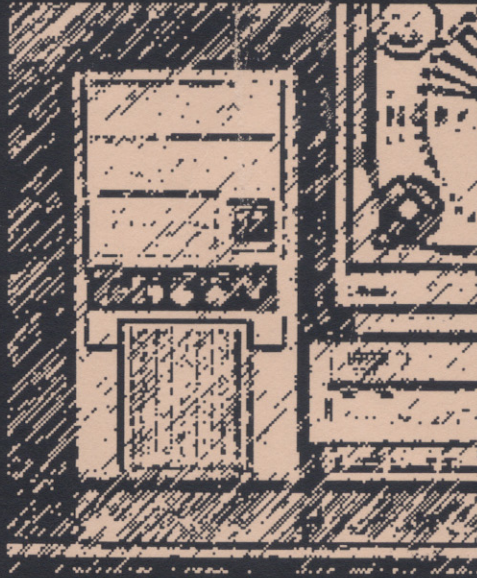


VIDEO *Slot Box*TM



**OWNER'S MANUAL
VERSION 1.0**

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NOTES

Chapter 1

Introduction

Welcome

Thank you for purchasing the Video Slot Box (VSB) from Digital Creations and Progressive Image Technology.

The Video Slot Box opens up many exciting possibilities to the owners of Commodore Amiga computers equipped with a video slot. The Video Slot Box provides new ways to be more productive by expanding your Amiga computing environment's capability to include many different video slot resident peripherals on a single computer.

Product Overview

The following information gives a brief overview of what the Video Slot Box is, what it does, and some of the many applications possible with a Video Slot Box.

Theory of Operation

The main purpose of the Video Slot Box is to take control of the host computer's video slot and then replace it with four switchable video slots in an external case. Since many video slot resident peripherals take over control of the computer and preclude any other video slot resident peripherals from being installed in the host computer, the Video Slot Box provides the perfect solution for the video professional wishing to use multiple video slot resident peripherals without having to invest space and resources on additional computers.

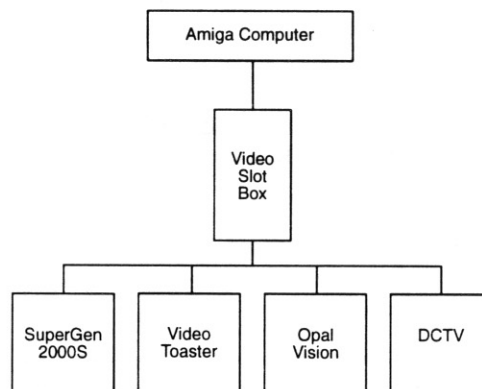


Figure 1 - Expanding the Amiga Video environment with a Video Slot Box

A small printed circuit board called the Host Adaptor Card (HAC) plugs into the video slot in the host computer. The Video Slot Box Host Adaptor Connector Cable then plugs into the HAC and effectively locates the video slot outside of the host computer in the Video Slot Box.

Video expansion capabilities

Video slot

The following Video Slot Resident Peripherals (VSRP) may all be used on a single Amiga computer if they are installed in one of the four Video Slot Box video slots. Because of the way the video slot on the Amiga works, only one of these can be active at once. See *Appendix C - Peripheral Reference* for additional information.

- Video Toaster
- SuperGen 2000s
- OpalVision
- Any other video slot resident peripherals

Non-Video slot

The following products normally attach to the RGB or Video port of the Amiga. These peripherals may be used with a Video Slot Box as well.

- DCTV
- SuperGen SX or SuperGen
- Other external genlocks

Additional expansion capabilities

The Video Slot Box provides additional expansion capabilities beyond just the video slot expansion. With several additional slots and bays and a hefty 230 Watt switching power supply it is easy to configure your dream environment.

- Three PC/AT style slots with power and ground only are perfect for housing one or more Kitchen Sync dual channel Time Base Correctors (TBCs). Other TBCs and vector scopes will also work in these slots.
- The Video Slot Box provides two 5.25" and one 3.5" drive bay. These can be used for SCSI hard drives, CD-ROM drives, optical drives, flopticals, tape drives, or any other devices that will fit these dimensions.

NOTE: The Video Slot Box only provides space and power for these peripherals. It does not provide cables or any way of connecting these devices to the host Amiga.

Contents of Video Slot Box Package

The Video Slot Box package contains the following items. Please unpack them carefully and make sure they are all included.

- Video Slot Box
- Host Adaptor Card (HAC) with two mounting brackets
- Video Slot Converter Card (VSCC)
- Video Slot Box Power Cable
- Video Slot Box to Amiga Power Cable
- Software on 3.5 inch floppy
- This Manual
- Registration Card

If any of these components are missing, please call Digital Creations at 916-344-4825.

System Requirements

- An NTSC Amiga with a video slot - A2000, 2500, 3000, 3000T, or 4000.

NOTE: If your Amiga is not one of the above mentioned models, the Video Slot Box will be of no use to you. Please contact your Video Slot Box dealer at once.

NOTES

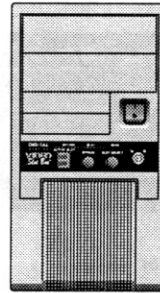
CHAPTER 2

VIDEO SLOT BOX HARDWARE

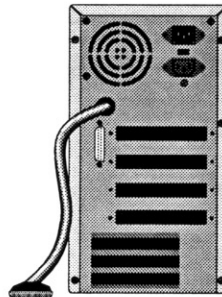
Physical Overview

The Video Slot Box is built in a mini-tower case. There are four general areas of the Video Slot Box that should be of concern to the user. They are:

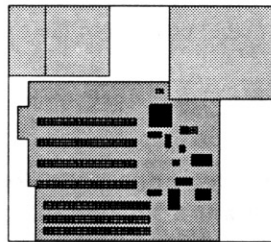
- The Front Panel



- The Back Panel



- The Motherboard



- Expansion Cards

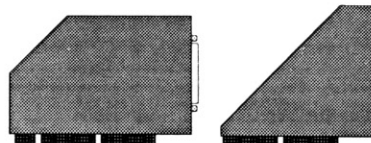


Figure 2 - Main Video Slot Box areas

Front Panel

The Video Slot Box Front Panel provides most of the control and feedback of the operation of the Video Slot Box.

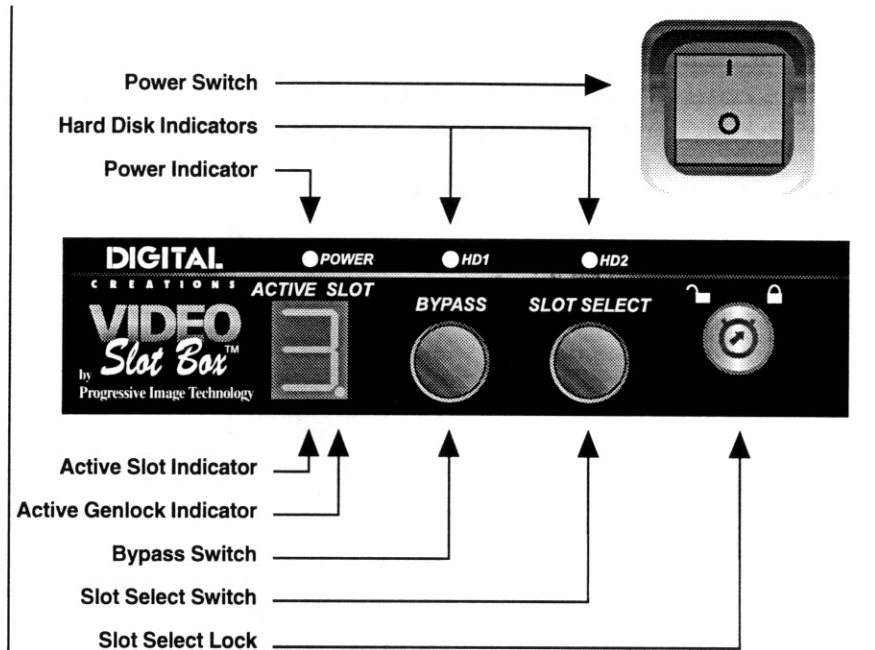


Figure 3 - The Video Slot Box Front Panel

Front Panel Controls

Please refer to *Figure 3* for actual position of the following front panel controls.

- **Power Switch**

This is the master power switch for the Video Slot Box. The switch is ON when pressed in at the top - marked with a 1 (one). The switch is OFF when pressed in at the bottom - marked with a 0 (zero).

- **Bypass Switch**

Pressing this switch returns your Amiga to a state equal to one where there are no video slot products on board.

- **Slot Select Switch**

Pressing the Slot Select switch changes the target or active slot of the Video Slot Box.

- **Lock**

Using the supplied key will allow you to lock the front panel Slot Select switch. This will prevent the accidental changing of the active slot.

Front Panel Displays

Please refer to Figure 3 for actual position of the following front panel displays.

- **Power**

When this indicator is on the Video Slot Box is receiving power and is on.

- **Active Slot display window**

This display indicates several different pieces of information.

- It indicates which of the four video slots (1,2,3 or 4) within the Video Slot Box is currently active.
- It displays a *dash* (-) instead of numbers indicating when the Video Slot Box is in *Bypass* mode.
- A small dot in the lower right portion of the Active Slot display window indicates that there is an active genlock (clock generator) in the currently selected slot.
- The number displayed upon boot up is the default slot number. The default slot may be changed with a jumper on the main board of the Video Slot Box.

- **HD1 & HD2**

These indicate when there is hard drive activity if hard drive(s) are installed in the Video Slot Box and these LEDs are connected properly.

Front Panel Expansion

These areas can be used for mounting SCSI devices.

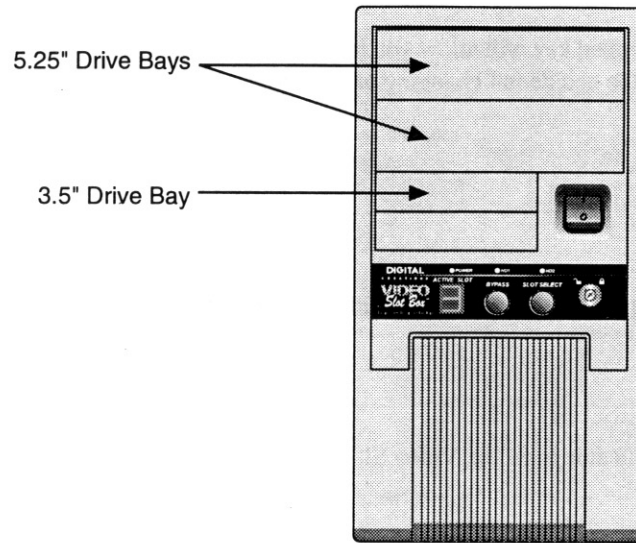


Figure 4 - SCSI expansion

Back Panel

The Back Panel provides the input and output connections of the Video Slot Box.

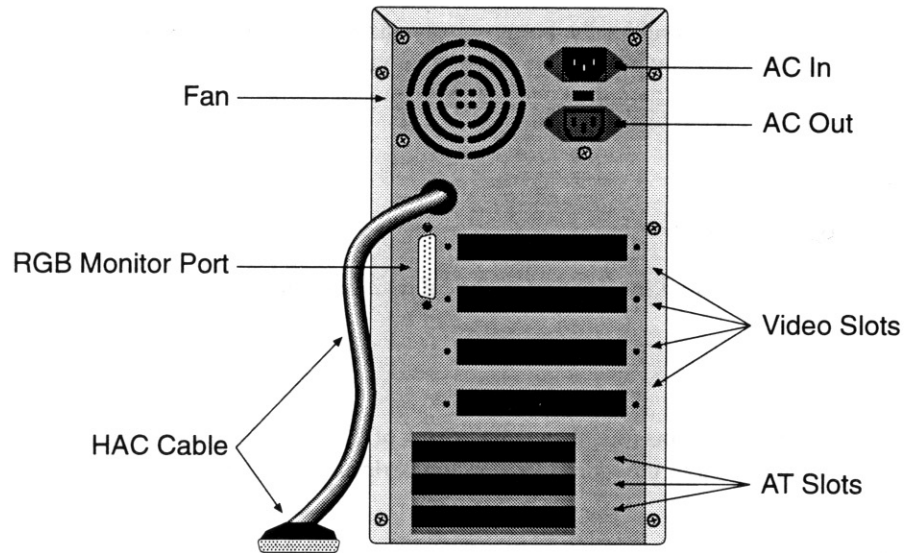


Figure 5 - The Video Slot Box Back Panel

Back Panel Connectors

Please refer to Figure 5 for location of the following features.

AC In

This male connector accepts the cable supplied with the Video Slot Box. Make sure that it plugs into a three prong grounded outlet.

AC Out

This is a switched outlet - it only puts out power when the Video Slot Box is turned on. We suggest plugging your Amiga host computer's power cable here. Always leave the Amiga's switch on and when you turn on the Video Slot Box, the Amiga will come on too and in the proper order.

RGB Monitor Port

This RGB port is video only. Only connect an RGB monitor to it. It does not have signals that are necessary for use with genlocks or devices like DCTV.

HAC Cable

This cable plugs into the Host Adaptor Card installed in the video slot of your host Amiga.

Fan

The fan provides cooling for the power supply and all electronic circuitry of both the Video Slot Box and any peripherals plugged into it.

Back Panel Expansion Slots

Please refer to Figure 5 for location of the following features.

Video Slots

There are four video slots (openings) on the back of the Video Slot Box. This is where the connector plates of the video slot resident peripherals will be.

PC/AT Expansion Slots

There are three PC/AT expansion slot openings on the bottom of the back panel. These openings will provide the space for the connectors for devices such as the Kitchen Sync.

The Video Slot Box Motherboard

The Video Slot Box Motherboard is where the video slot resident peripherals plug in, PC/AT slot peripherals plug in, and hardware configuration and adjustments are made.

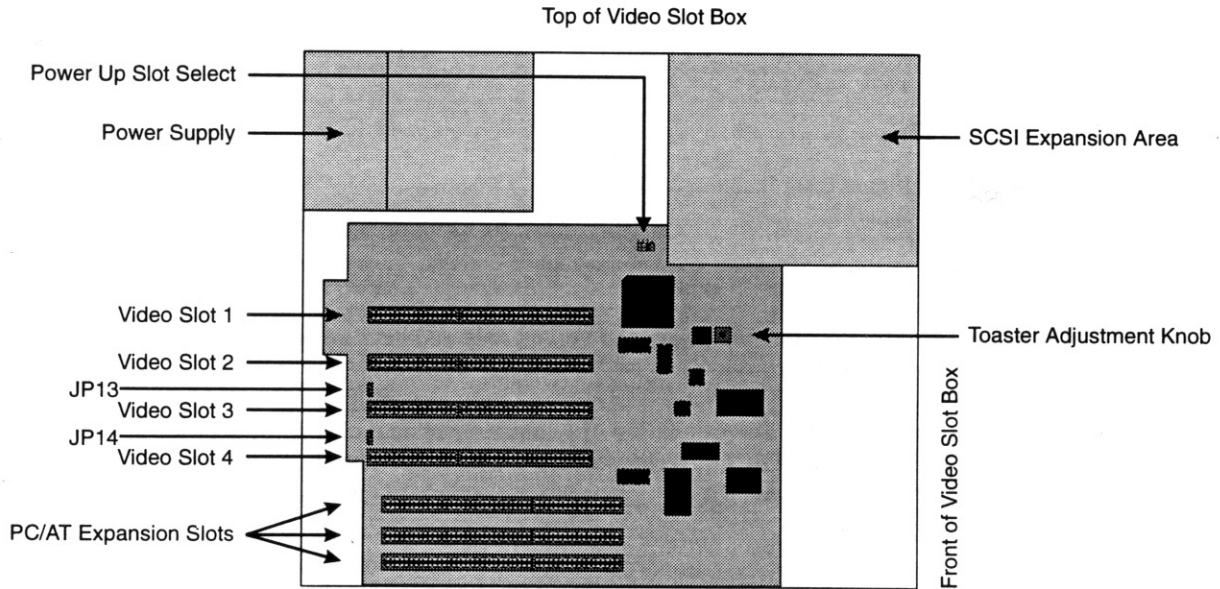


Figure 6 - Video Slot Box Motherboard

Video Expansion Slots

Please refer to Figure 6 for location of the following features.

These four slots are the heart of the Video Slot Box. Install your video slot resident peripherals in one of these four slots. These slots are all identical with one exception. Two slots are permanently unterminated and two slots have jumpers that allow both terminated and unterminated states.

Certain video slot resident peripherals require the video slot to be terminated while others don't.

Video Slot 1

This slot is an unterminated slot and is fine for all VSRPs except the Video Toaster.

Video Slot 2

This is a "Toaster" slot. This slot uses Jumper JP13 to set RGB termination on.

Video Slot 3

This is also a “Toaster” slot. This slot uses Jumper JP14 to set RGB termination on.

Video Slot 4

This slot is an unterminated slot and is fine for all VSRPs except the Video Toaster.

PC/AT Expansion Slots

Please refer to Figure 6 for location of the following features.

AT Slots 1, 2, & 3

These three PC/AT slots provide power and ground only and have no connection to the Amiga through the video slot.

These slots are perfect for the installation of Kitchen Sync dual channel timebase correctors (TBCs) or other TBCs or vector scopes. When two or three Kitchen Syncs are installed using the Cascade Kit either four or six channels of time base corrected video can be available.

Hardware Configuration

Power Up Slot Select

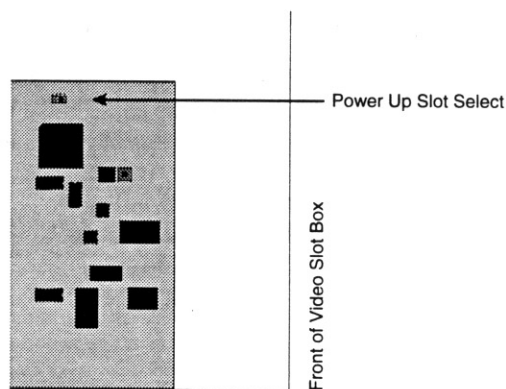


Figure 7 - Location of Power Up Slot Select Jumper

Any one of the four video slots on the Video Slot Box can be set to be the default on power up. If you want the power up environment to always be with the Video Toaster then you need to set the jumper cap across the appropriate pins.

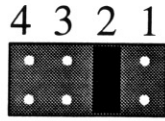


Figure 8 - Power Up Slot Select Jumper
(Slot #2 selected)

As you face the pins on the motherboard as in the previous illustration, Pin 4 is on the left and Pin 1 is on the right.

RGB Termination - Slot 2

As mentioned above, this jumper, JP13, will select whether or not this slot is terminated. See Figure 9 for this jumper's position. See Figure 10 for proper jumper cap position.

RGB Termination - Slot 3

As also mentioned above, this jumper, JP14, will select whether or not this slot is terminated. See Figure 9 for this jumper's position. See Figure 10 for proper jumper cap position.

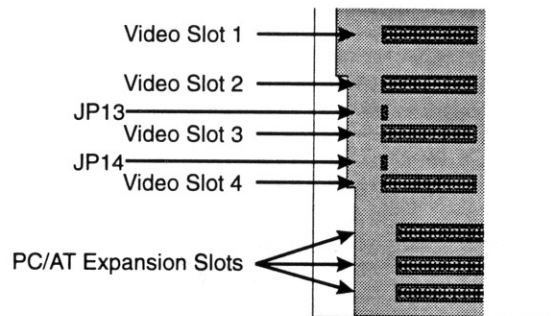


Figure 9 - Location of RGB Termination Jumpers

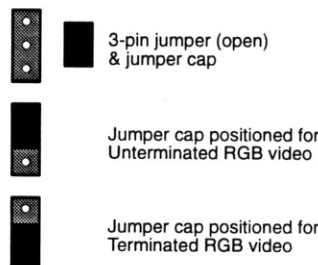


Figure 10 - Sample Configuration RGB Termination Jumper
(Top View)

Hardware Adjustment

Toaster Adjustment Pot

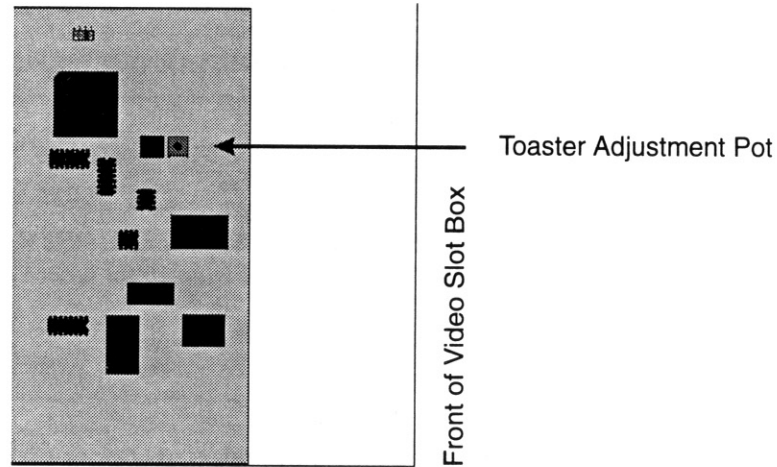


Figure 11 - Location of Toaster Adjustment Pot

Some Video Toasters may have trouble booting when installed in the Video Slot Box. The Toaster Adjustment Pot has been added to change the pixel phasing of the Amiga so the Video Slot Box is providing the proper phase for the Video Toaster.

NOTE: Only adjust this if your Video Toaster does not boot up reliably.

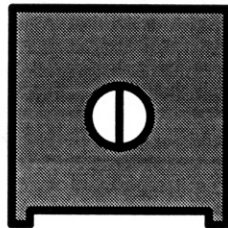


Figure 12 - Toaster Adjustment Pot

NOTE: This is a one turn - 360 degree pot. If you must adjust this pot, do so only in small increments of one quarter turn or less.

Expansion Cards

HAC (Host Adaptor Card)

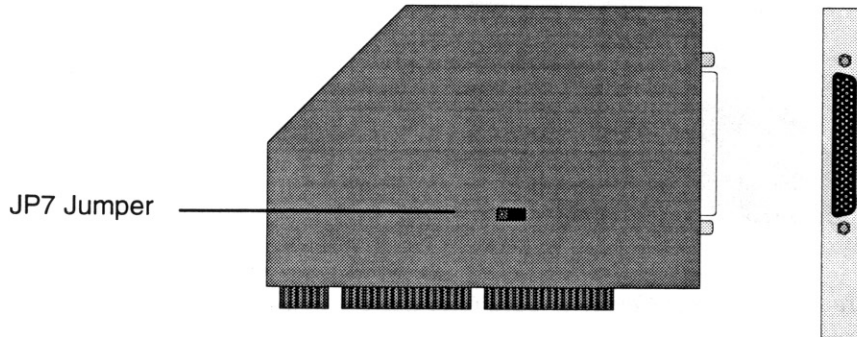


Figure 13 - HAC (Host Adaptor Card - Side and back view)

This card allows the mating of the Amiga computer and the Video Slot Box. When installed it passes all control and throughput to the Video Slot Box. Owning additional HACs opens the possibility of moving your Video Slot Box and its peripherals to another machine as simple as unplugging and plugging the Video Slot Box.

IMPORTANT: Before installing the HAC in the host Amiga it is necessary to set jumper JP7 for the proper computer .

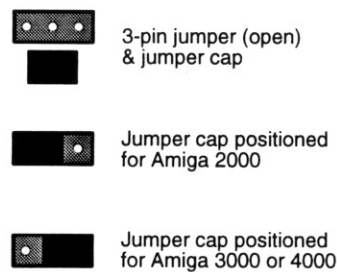


Figure 14 - HAC Jumper JP7 Configurations

Locate jumper JP7 on the HAC and make sure the jumper cap is installed on the proper pins as in Figure 14.

NOTE: To purchase additional HACs please see Appendix B.

Video Slot Converter Card

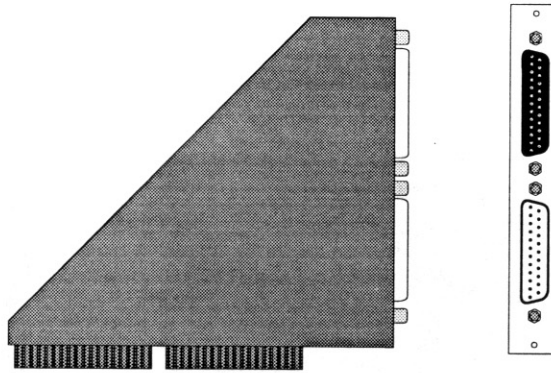


Figure 15 - Video Slot Converter Card (Side and back view)

The Video Slot Converter Card converts one of the slots in the Video Slot Box into a functional RGB port and a parallel port. With the VSCC installed it is possible to run DCTV from one of the slots. By adding a second VSCC you can route your parallel printing tasks through the Video Slot Box. The parallel port on the Amiga is still alive but may not always behave as expected. Please see *Appendix C - Peripheral Reference* for more on parallel printers.

NOTE: To purchase additional Video Slot Converter Cards please see Appendix B

Chapter 3

Installation

Installation Overview

Installation of the Video Slot Box is as easy as 1, 2, 3. The installation of the Video Slot Box is divided into three main steps. They are:

1. Host Adaptor Card Installation
2. Video Slot Resident Peripheral Installation
3. Software Installation

The following installation guide is thorough but assumes that you have a basic knowledge of the Amiga computer, the Video Slot Resident Peripherals (VSRPs), and a general working knowledge of computer hardware.

Since the Video Slot Box opens up possibilities, it is impossible for us to document every single situation. This installation guide will help you install your VSRPs. If you have more than one VSRP then certain parts of this installation need to be repeated for each one.

Most users have purchased the Video Slot Box to expand their video slot environment. Most user will therefore have at least one VSRP when they get the Video Slot Box. If you installed the VSRP yourself then you are ahead of the game. If you purchased your Amiga as part of a package such as a "Video Toaster" then you may want to do the installation yourself or you may want to have the dealer reconfigure your system for you.

If you have any problems with the installation please give the Digital Creations customer support representatives a call.

WARNING: Before installing anything to, removing anything from, or opening any part of either the host computer or the Video Slot Box **PLEASE MAKE SURE** that the equipment's power is turned off **AND** the equipment is unplugged from wall.

WARNING: Make sure that you are properly grounded before attempting to remove or install any computer equipment. Get in the habit of touching an area of bare metal on the chassis or body of the computer from time to time in order to discharge any build up of static electricity before touching any component.

WARNING: If you install the Video Slot Box or any of the many video slot resident (VSR) peripherals incorrectly in your Amiga computer or Video Slot Box you may cause costly damage and void your warranties. If you are in doubt as to what you are doing, please, seek professional help from your dealer. The manufacturers of the various components referred to will not be responsible for improper installation.

HINT: Save all of the Video Slot Box packaging in case it is ever necessary to ship the unit back for repair.

Host Adaptor Card Installation

Carefully remove the VSB from its box

If you haven't done so already remove the Video Slot Box from the box it came in. Locate the Host Adaptor Card.

Turn off Amiga

Before starting to do any sort of installation of any hardware make sure that your Amiga is turned off.

Remove power cord from Amiga and from its electrical source

Completely remove the power cord from both the wall and the computer. Roll this cord up and store it away. A new cord is provided with the Video Slot Box that you will install later.

Disconnect monitor from Amiga

Disconnect your RGB monitor from your Amiga. If the monitor is sitting on top of the computer, move it to a safe place.

Remove any video cables or other cables connected to the VSRP

If your Amiga has any video cables connected to a Video Toaster or other device in the Amiga, please remove them now. If you have a printer, a modem, or other peripheral connected to the computer please remove their cables now.

TIP: If you have doubts about all the cables and wires coming from and going to your computer and peripherals it may be a good idea to mark where each goes on a small piece of paper and tape each one to the end of the cable before removing it.

Remove case

With the rear of the Amiga facing you, remove the screws that hold the case on. Carefully slide the case off of the computer.

TIP: Put screws in a cup or other safe place to prevent losing them.

Locate video slot

If you have a VSR peripheral such as the Video Toaster installed in your Amiga then you've found the video slot. If you don't have a VSRP installed please refer to your computer manual for the location of the slot. Don't guess... a mistake here could be very costly.

Remove any VSR peripheral already installed

The video slot needs to be empty in order to install the Host Adaptor Card (HAC) in the Amiga. If you have a Toaster, OpalVision, the SuperGen 2000s, or other VSRP installed carefully remove it from the slot now. You may have to remove a screw(s) from the back of the VSRP in order to remove it from the computer. Save the screw(s).

If no VSRP installed remove slot cover

If there is no VSRP installed then just remove the video slot cover by removing the screw (2 screws on A2000) at the top. Save the screw(s).

Install the HAC mounting bracket

Determine which of the two mounting brackets that are provided with the HAC needs to be installed on the HAC to fit your computer.

The mounting bracket for the A3000 and A4000 is a standard bracket with one screw hole used to attach the card to the Amiga.

The bracket for the A2000 uses two screws to install it.

After determining which bracket to use, attach the bracket to the HAC by screwing them together.

Configure Jumper JP7

Configure jumper JP7 on the HAC for the proper Amiga mode. See *Chapter Two - Expansion Cards* for information.

Install the HAC

Carefully line the HAC up with the Amiga video slot. With a gentle back and forth rocking motion press the HAC down until it snaps into place. Using the screw removed from this slot earlier, tighten the back plate to the chassis of the computer.

Replace case

Carefully replace the case on the computer being careful as you slide it back into place not to damage any components or snag any wires in the computer.

VSR Peripheral Installation

Carefully remove the VSB from its box

If you haven't done so already remove the Video Slot Box from the box it came in.

Remove the case

Position the Video Slot Box so the back faces you. Remove the six screws that hold the case on. Carefully slide the case off of the Video Slot Box chassis.

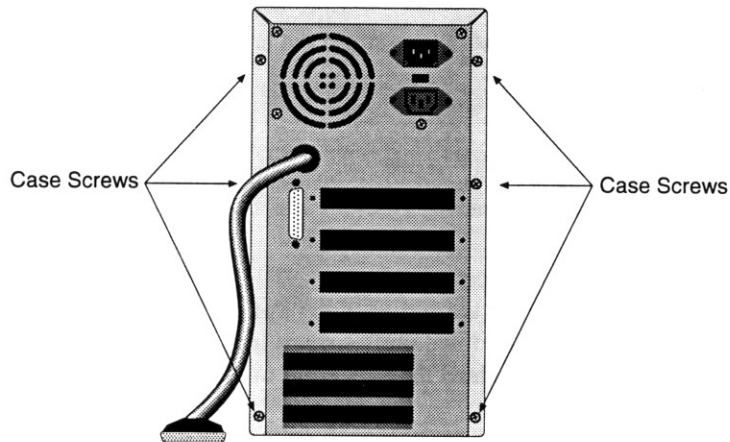


Figure 16 - Position of case screws

Locate Video Slots 1, 2, 3 & 4 and the PC/AT slots

Lay the Video Slot Box on its right side (from front) so you have access to the VSB mother board. Using Figure 14 locate the four video slots and the three PC/AT slots.

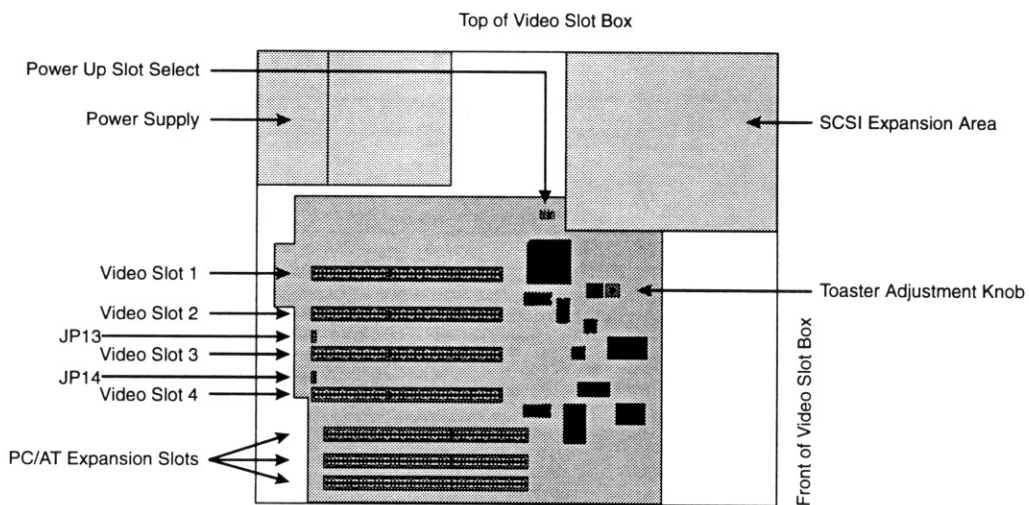


Figure 17 - Location of four video slots and three PC/AT slots

Determine which slot to use for your VSRP

In order to determine which slot(s) to install your VSRP in please refer to *Appendix C - Peripheral Reference*. Please check for all of your VSRPs and plan the location of the VSRPs.

Configure the Video Slot Box

Before you actually install your VSRP into the VSB please do any of the adjustments or configurations mentioned in *Appendix C*. Also see Chapter 2 - Hardware Configuration.

Install the VSRP in to the appropriate slot

After doing any configuration necessary and determining which slots to install the VSRP into, carefully line up the VSRP card and gently but firmly insert it with a gentle rocking motion until it is firmly in place. Screw the VSRP's mounting bracket to the Video Slot Box. If there is an outboard connection for the VSRP that requires screwing to the chassis this may be a good time to do that now. If the form factor of the outboard device will hamper putting the case back on the Video Slot Box then attach it after replacing the case.

Install any additional VSRPs

Repeat the previous step with any additional VSRPs you wish to install.

Install any PC/AT slot peripherals

If you wish to install any non-video slot peripheral in the PC/AT slots this is a good time. Please see *Appendix C - Peripheral Reference* for possible information regarding these devices (i.e. Kitchen Sync).

Replace the case

Carefully line up and slide the case back on to the Video Slot Box chassis. Be careful not to catch and pull any wires or connectors from any of the contents of the Video Slot Box. Reattach the case using the screws removed earlier.

NOTE: The next couple of steps do not need to be done in the order listed. What is important is that you create your working environment with the Amiga, the Video Slot Box, monitors, etc. to be comfortable and efficient to the way you work.

Determine where the monitor cable goes. Connect it.

Check the *Appendix C - Peripheral Reference* for discussion of your peripheral and where the RGB monitor or monitors go.

Position your Video Slot Box

Determine the closest and proper location for the Video Slot Box next to your Amiga. Make sure that the HAC cable can reach the HAC installed in your Amiga.

Plug the Video Slot Box's HAC cable into the HAC installed in the host Amiga**Plug in the special Amiga power cord**

Get the special Amiga power cord provided with the Video Slot Box. Plug it into the power out port on the back of the Video Slot Box and into the power in port of the Amiga

Reconnect the video cables to the VSR peripherals previously installed on the Amiga

Connect any additional cables as needed

Plug all monitor and the Video Slot Box power cables into the your AC source.

Test system

Time to try it out. Make sure that your Amiga's power switch is turned on. Leave the Amiga switch on from now on and turn the Amiga on and off by using the power switch on the Video Slot Box.

Turn on the Video Slot Box power switch. The power indicator should come on and the Amiga should boot up.

If the system does not boot up, please double check all cables and make sure that all cards are installed properly. If you continue to have problems please turn to *Appendix A - Trouble Shooting*.

Software Installation

The Video Slot Box comes with software to enhance the use of the unit. There are several files that need to be installed on the host Amiga's hard drive. We have provided a program called *VideoSlotBox Install* to handle this chore.

IMPORTANT: Since part of the software installation requires naming the various video slots to correspond to the VSRP installed in them, it is much easier to install the software after the hardware.

To install

- After booting your Amiga in the normal fashion, insert the Video Slot Box Disk in any floppy drive.
- Double click on the disk icon to open it.
- Double click on the icon named *VideoSlotBox Install*.
- You may choose one of three levels, *Novice User*, *Intermediate User*, or *Expert User*. We recommend letting the installation script do all the work for you by choosing *Novice User*.

TIP: Intermediate and Expert Users may preview the installation by choosing *Pretend* in the script.

- When asked to name Slot1, Slot2, etc. please use names less than 31 characters long.
- All the information you will need to do a successful installation is available as on-line help in the installation program.
- Follow the prompts and the installation will soon be completed

NOTE: The software installation script will install all the files needed for controlling the Video Slot Box. Programmers and developers should examine the VSB floppy disk for two files with information regarding controlling the Video Slot Box using the standard Amiga library system with the SlotBox.Library or ARexx. These files, *SlotBox.Doc* and *SlotBox_ARexx.Doc* are found in the *Programming* directory

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Chapter 4

Operation

Operation Overview

Most of the time the Video Slot Box simply sits next to your Amiga and provides a home for multiple VSRPs. The only time you need to “operate” the Video Slot Box is when you need to change to another Video Slot Box video slot.

The operation of the Video Slot Box is extremely simple in nature once the hardware installation and configuration is complete. There are only two methods of operating the Video Slot Box. They are:

1. Manually
2. Under Software Control

WARNING: Do not change the active video slot while doing any kind of floppy or hard disk activity - read, write, file copy, disk copy, etc. Changing the active slot while doing disk I/O may cause read/write errors or disk corruption. Digital Creations will not be responsible for any damage done by users who do this.

Manual Operation

Manual operation is quite simple. After the Amiga and Video Slot Box boot up you can either continue to use the default power up slot or you can advance it one slot at a time using the *SLOT SELECT* button until you reach the slot you desire.

1 -> 2 -> 3 -> 4 -> 1 etc.

You can also press the *BYPASS* button to make the Amiga environment equal to one where there are no VSRPs on board. When in Bypass mode a dash (-) will display instead of the active slot number.

Software Operation

Software operation is also quite simple. Find the *VideoSlotBox* directory on your hard drive. Open the directory double-click with the left mouse button on the icon representing the VSRP that you want to make active.

For example: To activate the slot with the Video Toaster installed double-click on the icon that you named called “Toaster” or “Video Toaster” or whatever you called it.

General Operating Hints

Once you have your hardware and software installed and properly configured you'll discover that there is more flexibility in the Video Slot Box than you may have imagined.

For example some VSRPs will remain active even though another slot is the active slot. The following sequence on a Video Slot Box with a Video Toaster, OpalVision, and DCTV installed, RGB monitor installed on OpalVision's RGB out, and proper video cables connected to the Video Toaster and DCTV will illustrate this.

- Power up the Video Slot Box thus booting the computer
- Select the "Video Toaster" slot as the active slot (either manually or through software)
- Run the Toaster software
 - Toaster will output its interface through the RGB monitor connected to the OpalVision RGB port
- Do the Ctrl-Ctrl-Alt-Alt key sequence to bring up the Workbench
- Run Opal Vision software
 - Outputs through the RGB monitor
- Return to the Workbench
- Run DCTV software
 - RGB output through the Opal Vision RGB port
 - Composite output from DCTV to composite monitor
- Return to the Workbench
- Use the Ctrl-Ctrl-Alt-Alt key sequence to return to the Toaster and back

You may now switch back and forth between these three programs at will.

The above sequence illustrates the method to use other VSRP software and hardware than the one in the active slot. For more information on these possibilities and each VSRP specific information please see *Appendix C - Peripheral Reference*.

Appendix A

Trouble Shooting

This section is intended to help you with problems that may occur while using Video Slot Box. This list of hints has been compiled from the most common problems submitted to us by our users and through our own analysis of various situations.

WARNING: Video Slot Box units damaged by user error will be serviced at a premium rate. Parts are extra.

Repair Procedure

If you find that your Video Slot Box doesn't function properly, please follow these steps:

1. Find the symptom from the list on the following pages..
2. Try all the suggested solutions for the problem.
3. Please do any tests described on the next page. You will be asked to furnish the results of these tests to the Customer Service Representative.
4. If the VSB still doesn't function properly, call Digital Creations' customer support at (916) 344-4825. If after talking with one of our representatives it is determined that the VSB needs repair, you will be given an RMA (Return Materials Authorization) number.
5. Carefully package the VSB. Include a completely filled-out copy of the form on the last page of Appendix A.
6. Send to: Digital Creations

Customer Service, RMA (your RMA number goes here)

(Your Customer Service Representative will furnish)

(the address for shipping)

Note: We cannot accept packages without a proper RMA number on the address label.

We have no way of knowing ahead of time how long it will take to repair a product. However, as a continuing commitment to our customers, we try to repair all products as quickly as possible. We ship all repaired products via UPS Ground and COD any repair costs in the United States. If you wish a faster shipping time, please make arrangements with Customer Service. Any extra shipping costs will be added to the COD amount. Customers outside of the United States are required to prepay any repair and shipping charges in advance with either a Visa or MasterCard.

Note: Prices and policies are subject to change without notice.

Trouble Shooting Hints

- **Problem:**

No Power Light

Diagnosis:

Unit not getting power

Action:

Check cable connections. Check to make user that any power strip switch is in the on position and that power is available at the wall.

- **Problem:**

Video Toaster doesn't work

Diagnosis:

Installed in wrong VSB slot

Action:

Reinstall in slot 2 or 3. See *Chapter Two - Video Slot Motherboard* and *Appendix C - Peripheral Reference*

- **Problem:**

Video Toaster doesn't boot up consistently

Diagnosis:

Pixel phase of the Video Slot Box may be incorrect

Action:

Adjust the pixel phase by using the Toaster Adjustment Pot described in *Chapter Two*.

- **Problem:**

Parallel printer on the Amiga's parallel port prints garbage when using one of the VSRPs in the VSB.

Diagnosis:

The parallel port is shared with the parallel port in the video slot and is sometimes used for data transfer, digitizing, etc. by VSRPs.

Action:

Try the following:

Switch your printer off line.

Turn your printer off except when printing.

Use an A/B switch box between the Amiga and the printer and deselect the printer except to print.

Use the VSCC board as the printer port. Only select it when you need to print.

- **Problem:**

DCTV's composite output looks bad or disappears

Diagnosis:

DCTV is being affected by the timing of the system

Action:

Readjust the DCTV's pixel adjust knob after installing it on the VSB.

Make sure that there is no genlocking going on when using DCTV.

Digital Creations Return Form

Please fill out this form completely and accurately.

Please Print or Type!

Return Merchandise Authorization Number (RMA)

(No units accepted without this number.)

Business Name

Your Name

Address

City

State/Prov

Zip/Postal Code

Country

Day Phone

Evening Phone

Video Slot Box Serial #

Please state the problem in your own words.

Any Special Instructions? (Shipping, billing, etc.)

PLEASE PHOTOCOPY

Appendix B

Video Slot Box Options

Each of the following Video Slot Box options will enhance your Video Slot Box environment and productivity.

Host Adapter Card (HAC) (1 included with the VSB)

Owning a second (or third) HAC will allow you to pick up your Video Slot Box and use its environment (VSRPs) on a second Amiga. A great way to be able to use the Toaster on the studio Amiga in the daytime and then use it on your home Amiga at night.

Video Slot Converter Card (VSCC) (1 included with the VSB)

This card will allow to have another RGB port and parallel port available for expansion purposes. Products such as the SuperGen and the SuperGenSX will connect to this card.

If you wish to have a dedicated port for a parallel printer this will do the trick.

SuperGen 2000s Break Out Box for the Video Slot Box

Since the form factor of the VSB is different than that of the A2000 this option is necessary to connect the SuperGen 2000s to the VSB.

Availability

These options should be available through your Video Slot Box dealer. If they don't have them you may order these directly from Digital Creations at 916-344-4825.

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Appendix C

Peripheral Reference

This appendix covers specific configurations and situations that need to be addressed when using the following video slot resident peripherals and non-video slot resident peripherals.

Video Toaster

Correct Slot: Video Slot 2 or 3

Configuration Data: Set jumper for RGB termination for the Toaster slot. See *Chapter Two - Hardware Configuration*. Only adjust the Toaster Adjustment Pot if the Toaster boots unreliably.

RGB Monitor Connection: Connect to the VSB's RGB Monitor port or to other VSRP RGB port that passes through the Workbench like OpalVision.

Multitasking Info: Will multitask with some VSRPs. See *Chapter Four - Operation - General Operating Hints* for a sample of doing this.

Hints: A program called AutoToast located in WBStartup will automatically select the Toaster slot when the Video Toaster software is run.

OpalVision

Correct Slot: Video Slot 1, 2, 3, or 4

RGB Monitor Connection: To back of OpalVision board

Multitasking Info: Will multitask

Hints: OpalVision will display and be functional even if its slot is not active.

DCTV

Correct Slot: Video Slot 1, 2, 3, or 4

Configuration Data: Needs to have the VSCC (RGB and parallel ports) installed to connect to. May need to do the Pixel Adjust upon first installing. If problems occur when displaying composite output after genlocking or using Toaster, it may need to have the Pixel Adjust re-adjusted.

RGB Monitor Connection: Connect to the VSB's RGB Monitor port or to other VSRP RGB port that passes through Workbench like OpalVision.

Multitasking Info: Will multitask

Hints: This slot will display DCTV even when it is not the active slot but it must be the active slot for digitizing. Does not have to have the DCTV parallel cable hooked up unless digitizing. Could use this for a parallel printer port in that case. When another slot is active, other than the Video Toaster slot, and you run the DCTV software, a program installed in WBStartup called AutoSlot will allow you to digitize from DCTV without making it the active slot.

SuperGen 2000s

Correct Slot: Video Slot 1

Configuration Data: Will need to have the SuperGen 2000s Break Out Box for Video Slot Box in order to hook up. See *Appendix B - Video Slot Box Options*.

SuperGen SX

Correct Slot: Video Slot 1, 2, 3, or 4

Configuration Data: Needs to have the VSCC RGB installed to hook up to.

RGB Monitor Connection: Connects to the RGB port on the VSCC.

Parallel Printer

Correct Slot: Video Slot 1, 2, 3, or 4

Configuration Data: Needs to have the VSCC parallel port installed to hook up to.

Hints: Printer will only print when this slot is active. Name this slot (in the install) Parallel.device to have this slot selected automatically when printing to the parallel port. Printing is not supported if the Video Toaster is active.

Kitchen Sync and other PC/AT TBCs

Correct Slot: PC/AT Slot 1, 2, or 3

Configuration Data: Since these slots provide power and ground only there is not configuring of the Video Slot Box to do.

Hints: Any TBC or vector scope that resides in an AT slot on the Amiga will work in these slots. If the unit needs to “talk” to the Amiga it must be able to do it using some other means such as a serial cable.

Use multiple Kitchen Syncs by obtaining a Cascade Kit from Digital Creations.

Appendix D

SCSI Expansion

SCSI Overview

What are the possibilities?

The VSB has room for two 5.25" and one 3.5" SCSI devices. Having an onboard space to install SCSI devices such as hard drives, flopticals, CD-ROMs, etc., will make the Amiga and Video Slot Box an even more valuable tool for your video and graphic work.

Since there are far too many devices to try to document the installation of here, we will give a brief step by step plan of attack for installing SCSI devices.

NOTE: If you want to install a SCSI device and don't have the expertise or desire to do it yourself, please check with your Amiga or Toaster dealer. Digital Creations cannot provide step by step assistance in installing these devices.

Installation Guide

The following is a brief outline for installing a SCSI device.

- **Open the VSB case**

- **Locate area to install SCSI device**

The area for these devices is in the front top portion of the VSB. See *Figure 4* and *Figure 14*.

- **Remove front of VSB case**

If the SCSI device you are installing requires having an opening for inserting media (such as a floptical or CD-ROM) then you may need to remove the front of the VSB and remove the blanking plate covering the drive bay.

- **Cut foil covered cardboard shield**

If needed you may need to cut a hole in the foil covered cardboard shielding at the front of the VSB.

- **Install unit per manufacturers instructions**

- **Make power connections**

- **Connect HD1 & HD2**

If your device has a need for an LED to show activity (such as a hard drive) then hook up the wires to the HD1 or HD2 LED.

- **Connect data cable**

Connect the data cable from the SCSI device to the SCSI port on your Amiga. This will need to go through an unused video slot or PC/AT slot opening.

- **Close VSB**

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Credits

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*Progressive Image Technology
Larry Miks
Paul Greaves
Mike Moore*

Software Design

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David Porter*

Manual

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