CyberVision 64/3D
Scandoubler Modul

FÜR AMIGA 4000 UND AMIGA 4000 TOWER
FOR AMIGA 4000 AND AMIGA 4000 TOWER

INSTALLATIONSANLEITUNG
INSTALLATION GUIDE

phase 5

DIGITAL PRODUCTS

1. Scope of Supply

The Scandoubler modul is supplied with several small accessories and documentation. At this point you should check that you have the following items:

> ▶ The Scandoubler modul

> ▶ A short 10-pole cable

> ▶ This manual/registrationcard

If you are missing any of these items please contact our Technical Support Centre and we will arrange for a replacement item to be despatched.

2. Important! Before You Proceed With The Installation

NOTE: If you want to use the Scandoubler without the Cybervision 64/3D you may skip the following steps.

To make sure the Scandoubler works properly in combination with the CyberVision 64/3D you must first check the version of your CybergraphX software! Follow these instructions to find out which version you have:

1. Open a CLI-window

2. Enter the following commandline:

   `version LIBS:cgxsystem.library full`
   If the result is: *cgxsystem.library 41.1 (03.02.97)* If the result is :
   CGXSYSTEM.LIBRARY 41.1 (03.02.97) you may continiue with step 3, if you
   should have a *older* version proceed with step 5.

3. Enter the following commandline:

   `version DEVS:monitors/CVision3D full`
   If the result is: *CVision3D 2.1 (03.02.97)*
   you may continiue with step 4, if you should have a *older* version proceed
   with step 5.

4. To activate the Passthroughmode on the Scandoublermodule, set the
   Enviromentvariable „*NOPASSTHROUGH*" to the value „0" (also see
   CyberVision64/3D manual. You can easily do this by entering the following
   commandline in a CLI window:
   `echo 0 > sys:prefs/env-archive/cybergraphx/NOPASSTHROUGH`
   Now you may proceed with the installation of the Scandoubler as described
   in the following.

5. Contact our Hotline or if you have access to the Internet please download the latest version of CybergraphX off via our ftp-server (ftp://ftp.phase5.de/pub/phase5/cgx3).

3. INSTALLATION OF THE SCANDOUBLER MODULE

Example: Installation to an Amiga 4000 Desktop* in combination with a CyberVision64/3D**. Please make sure **before** you install the hardware you have read the table on page 10 to set the Scandoublers jumpers correctly.

1. Turn off the Computer

2. Disconnect all cables of the Computer (Monitor, Mouse, Keyboard, etc.)

3. Undue all screws off of the case of the computer, there are only 2 in the Amiga 4000 on the back to the left and right upper side that hold the case. If your computer differs from this, please consult the manual of your Amiga.

4. Remove the case carefully. Do this by pulling it upwards on the Amiga 4000. Consult the Amiga-Manual for further informations of how to open the Amiga.

5. Identify a unused Zorro 3 Slot with a Videoslot. On the Amiga 4000 it is the slot to the bottom. If you have problems finding the proper slot, please consult your Amiga manual

6. Connect the Scandoubler with the CyberVision64/3D at the unused bottom port using the included screws. We recommend that you use a flat-nosed pliers to do that.

7. Connect the CyberVision64/3D to the Scandoubler with the 10-pin cable you should have recived with this package.

8. Now you may install the combination CyberVision64/3D & Scandoubler module into the Zorro 3/Videoslot of your computer. We recommend to put a piece of e.g pasteboard in between the CyberVision64/3D & Scandoubler module to isolate the cards from each other to prevent physical contact of the boards (Shortcircuting, etc.) Now push the cards carefully into the Zorro3 Videoslot. Once you have installed the card into the computer, you should only be seeing the gold top edge of the Portconnector looking over the Expansionport. Should this be the first-time usage of the slot , you may have to use a little more strength while pushing the card into the slot. However, allways remember that the material the CV64/3D is made of is usually a very good quality but still not indestructable. In other words – be carefull.

9. Attatch the Metalshade of the CyberVision64/3D & Scandoubler board with the screw you have removed from the CyberVision64/3D Card or the metal-shade that was on it before.

10. Close the Amigacase now.

* If You have a Amiga 4000 Tower, proceed just as the Manual says. The only difference ist that you have two Zorro 3/Videoslots in your Computer. These are the upper 2 slots in the Amiga 4000 Tower, you may put the combination CyberVision64/3D scandoubler module in either one of them.

** If you are installing the Scandoubler without a CyberVision64/3D card you may put it into the above described slots, a software installation is not required.

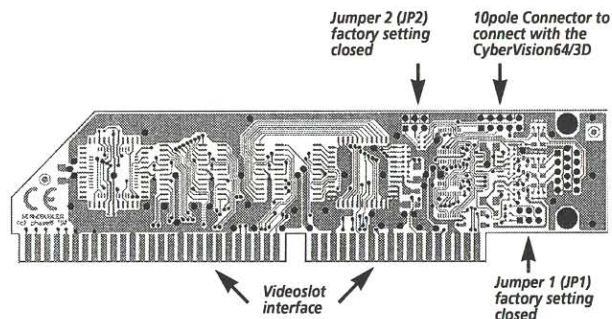## 4. RUNNING THE SCANDOUBLER MODULE

Connect your monitor to the new port of the Scandoubler module (lower port)

The Scandoubler (as the name says) doubles the linefrequency of the Amigasignal and makes it possible to display the specific 15Khz modes on your VGA Monitor. Once a standard Amiga-screenmode comes up, the Scandoubler switches back so you are able to display all Amigaspecific screenmodes on your VGA Monitor.

If you happen to have 2 VGA Monitors, you may even run a 2 monitorsystem (Remind the table on Page 10!) by connecting monitor 1 to the port of the Scandoubler module, and monitor 2 with the standardconnector of the CyberVision64/3D. By doing this, your first monitor will allways display the original Amigascreenmodes. Your second monitor will display all CyberGraphX screens. Please remind that you will have to change the **NOPASSTHROUGH** and **KEEPAMIGAVIDEO** settings to the value „1" (also see the CyberVision64/3D manual)

Note: The normal Amigascreenmodes are still beeing displayed over the standard Amiga videoport. You may also hook up your old amigamonitor to this port, it may be usefull if you are doing things like videoworks etc.

5. JUMPERS AND CONNECTORS ON THE SCANDOUBLER MODULE

Jumper 2 (JP2)
factory setting
closed

10pole Connector to
connect with the
CyberVision64/3D

Videoslot
interface

Jumper 1 (JP1)
factory setting
closed

Jumpersettings at:

a) One monitor system; monitor connected to:

	Scandoubler module output	CyberVision64/3D output	original Amiga output
JP1	closed (factory setting)	closed	open
JP2	closed (factory setting)	open	closed

b) Two monitor system; monitor 1 connected to: / monitor 2 connected to:

	CyberVision64/3D output/ Scandoubler output	Scandoubler output/ original Amiga output	CyberVision64/3D output/ original Amiga output
JP1	closed	open	open
JP2	open	closed	closed

c) Three monitor system

	Monitor 1 connected to CyberVision64/3D output
	Monitor 2 connected to Scandoubler output
	Monitor 3 connected to orginal Amiga output
JP1	open
JP2	open

6. GUARANTEE CLAIMS, RETURNS

phase5 digital products provides the registered user of this Scandoubler module with a 12 month parts and labour guarantee, commencing on the date of purchase. During the period of this guarantee we will remedy all defects either by exchange or repair, at our discretion, which are due to material or manufacturer's defects. Execution of the rights under this guarantee in no way affects the period of the guarantee.

The guarantee specifically excludes claims for damage caused by external influences or improper use, and in particular unauthorised repairs. Modifications to the hardware, of any type, automatically invalidates any rights to claim under this guarantee.

The guarantee also specifically excludes claims for operational defects of the Scandoubler module or other devices connected in / to the AMIGA after the system has been altered (such as fitting new expansion cards), if it cannot be proved beyond doubt that a technical defect of the Scandoubler module is causing the fault. This also expressly includes any changes to the AMIGA hardware which have been carried out by the Amiga Technologies company by way of repairs, subsequent improvements or system updates.

Furthermore we accept no liability for defects or damage to devices other than the Scandoubler module, nor for losses of data, which were or seem to have been directly or indirectly linked with the installation of the Scandoubler module. For memory modules supplied, the guarantee of the respective manufacturer applies exclusively.

Technical Support and Service

If you need technical informations about the installation, available add-ons or compatibility problems, please contact your local dealer. He will provide you with competent information and is able to figure out the possibilities to enhance your system. The experienced Amiga/phase5 dealer has the knowledge and the service informations to solve most of the technical or compatibility problems. Even in case of defects covered by our guarantee, he can give you valuable advices.

Beyond that you can achieve support-informations in the Internet, our homepage is

http://www.phase5.de

There you find all kind of technical informations about present and future products, which maybe of interest to anybody and/or will answer specific questions about a product. These infos are updated regularly to provide you with the latest suggestions and advices regarding compatibility problems, tested third party add-ons, known bugs and how to work around. The tips and advices are always up to date. Obviously you can download the latest software and driver versions.

Updates, as far as necessary and available for our products, you can also achieve from our ftp-server. You will reach our server under:

ftp://ftp.phase5.de

In rare cases your dealer will not be able to solve your problem to your convenience. In that case, or if you are not online and need a update, please feel free to contact the phase 5 support-department via fax or phone, or, if you like better, write us a letter.

Guarantee Claims, Returns

Guarantee claims in Germany should be made direct to our Support Department
Please contact:

> **phase 5 digital products**
> **Support Department**
> **In der Au 27**
> **D-61440 Oberursel**
> **Germany**
> **Telefon:**   +49(0)6171 628455
> **Telefax:**   +49(0)6171 628456

In all other countries please contact our distributors or your dealer

Goods may only be returned after prior consultation with and authorisation by our Support Department. You will be given a Return Material Authorisation (RMA) number which must be clearly marked on the goods returned. Please note that returns **without** a RMA-number **cannot** be accepted! Also returns for which postage has not been paid **cannot** be accepted.

If no defect is found on an authorised return a processing fee of USD 30.00 or DM 50,00 will be charged. If a defect is found which is not covered by the guarantee then the processing fee will be charged as well as an additional repair fee, dependant on the defect.

No liability can be accepted for damage during transit due to unsatisfactory packaging when returning devices. Always use the original packaging when returning a Scandoubler module and also a sturdy outer packing (e.g. post office parcel) and if necessary padding (e.g. newspaper).

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