

# VIDEO MAGICIAN INSTRUCTIONS

BC-VM

## 1. INSTRUCTION:

Congratulations on purchasing the Video Magician, it is a high performance scan rate converter with flicker free function for AMIGA 2000, 3000, 4000 in NTSC and PAL system.

BIO-CON employs the advanced technology to design a chipse achieve all the advanced function. So use this card almost all the AMIGA display mode will be displayed by your VGA monitor,

It double scans all the AMIGA 15Khz video signal into 31 Khz VGA spec. signal. Also all the flicker in 15Khzhigh resolution mode will be fully eliminated.

Moreover it is the only one card with full PLUG and PLAY function. This card will automatically detects the system of your computer also display mode., then outputs the VGA signal and encoded video signal. There is no any switch/jumper needed to be adjusted. Even in differen system you also can output the different system video signal via the CVBS/SVHS output. That means you can output PAL video in a NTSC machine, or output NTSC video in PAL machine.

## 2. INSTALLING THE CARD:

- Turn off your compute, disconnect the power cord and all cables connected to the AMIGA.
- Remove the screws which secure the computer's case, open your AMIGA.
- Please refer the AMIAG users manual to loacte the video slot in your AMIGA.
- Remove the screw holding on the back plate of video slot.
- Take this card and keep it's metal plate toward the rear of AMIGA. Line up the card golden finger with video slot of AMIGA(\*1). Carefully insert the card into slot. Check the card's golden finger contacts the slot correctly and tightly.

\*1. If your computer is AMIGA 2000 or 3000. Please remove the screws on the VGA connector (CON 1) and metal plate. Insert golden finger A, B-1 into slot.

- Line up the hole on metal plate and AMIGA rear abck panel. Screw the screws and connect the cables you removed early. Replace the case back. Connect the cable between this card and VGA monitor.
- Turn on the AMIGA, VGA monitor. Adjust the H-phase, V-phase of VGA monitor picture to best position and the brightness control of this card to get a result you feel good.

## 3.OPERATION:

### 3-1.VGA output

VIDEO MAGICIAN will automatically detect your AMIGA ddisplay mode and process them into VGA standard signal. Following display mode will get the flicker free effect:

- NTSC: Low Res, Low Res Laced, High Res, High Res Laced, Super High Res, Super High Res Laced. (\*2):

B. PAL: Low Res, Low Res Laced, High Res, High Res Laced, Super High Res, Super High Res Laced. (\*2)

C. EURO36: Low Res, Low Res Laced, High Res, High Res Laced, Super High Res, SuperHigh Res Laced. (\*2)

Following will also be displayed in yourVGA monitor, but without flicker free function:

D. MULTISCAN: Productivity, Productivity Laced.

E. EURO 72: Productivity, Productivity Laced.

F. DBLNTSC: Low Res, Low Res Laced, Low Res No Flicker, High Res, High Res Laced, High Res No Flicker.

G. DBL PAL: Low Res, Low Res Laced, Low Res No Flicker, High Res, High Res Laced, High Res No Flicker.

H. SUPER 72: High Res, High Res Laced, Super High Res, Super High Res Laced (\*3)

I. A2024:10Hz, 15Hz. (\*3)

### Remarks:

- In NTSC, PAL EURO 36 Super High Res MODE, The screen data will be not displayed in detail, because of the very huge information in it cause the limitation.
- In SUPER 72 you need a monitor can sync in 24Khz. In A2024 you need a correspondent old age monitor.
- Almost all kind VGAmoitor can display the mode from A to G, but a very early monitor (before 1989) may not display the mode E to I.

## 3-2. Video output:

There are two encoded AMIGA video outputs in CVBS and SVHS. There is no relation to your AMIGA system (NTSC or PAL). It will output the signals accord the AMIGA display mode in NTSC or PAL automatically. In other mode please do not connect your video monitor/TV to these two outputs. Because the non standard broadcasting signal may damage your video monitor/TV.

## 3-3. DIP switch setting:

DIP-1: Flicker switch, For disabling the flicker free function to view the original AMIGA 15K High Res. flicker display. Normally it will be took as the pre-view when records the AMIGA signal into VCR.

ON : Flicker in AMIGA 15K High Res. display mode.

OFF: Flick free in AMIGA 15K High Res. display mode.

DIP-2, DIP-3: Reserved for future function.

## 3-4. BRIGHTNESS CONTROL

The VR located on the up-right. Use a screw you can adjust the VGA output brightness.

## 3-5. OPTIONAL EXPANSION:

A. BC-VM-TV: Video decoder board for CVBS input, converts the CVBS input to 31K VGA output. Then VGA monitor also caould display external video input.

B. BC-VM-SG:Professional SVHS Genlock board.

Manufacturer: BIO-CON TAIWAN CORP.

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