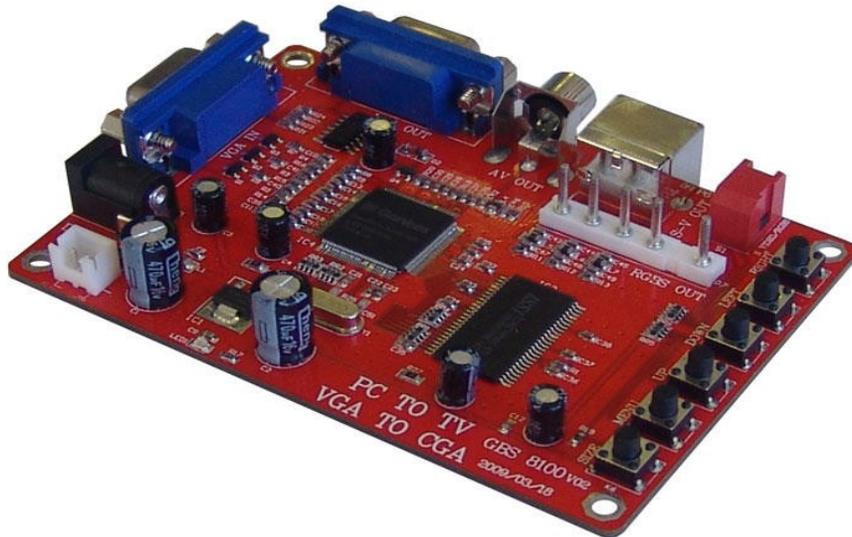# VGA PC to Video-CGA converter - **ID# 682**

Operation Manual

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Introduction

VGA PC to Video-CGA converter PCB is designed to display a PC signal to a standard TV or a CGA (15k) CRT monitor. Convert PC VGA, SVGA, XGA and SXGA signal timings to standard video, s-video or RGB CGA outputs. Ideal for display of high resolution Arcade or PC games on Arcade CGA (15k) monitors or standard TV's. This PCB supports PAL and NTSC video standards.

The VGA PC to Video-CGA converter PCB supports an OSD menu for easy access and control of the converters features. Menu items include Horizontal and Vertical Size, Colour, Brightness, Contrast, Sharpness, Hue and Saturation. A set of 5, on-board buttons control the menu, plus there is another button for the Zoom function.

PC VGA input is via a 15pin D-sub connector. Outputs include a 15pin D-sub PC pass-through, Composite and Super Video and a 5pin CGA RGBS (combined sync). Two switches allow for selection of PAL or NTSC working and RGBS or S-Video out. Power supply is 5vDC, centre positive.

Designed for simplicity, ease of use and good quality video conversion, the VGA PC to Video-CGA converter is ideally suited for applications where standard TV's or CRT monitors are to be used with high resolution PC outputs.
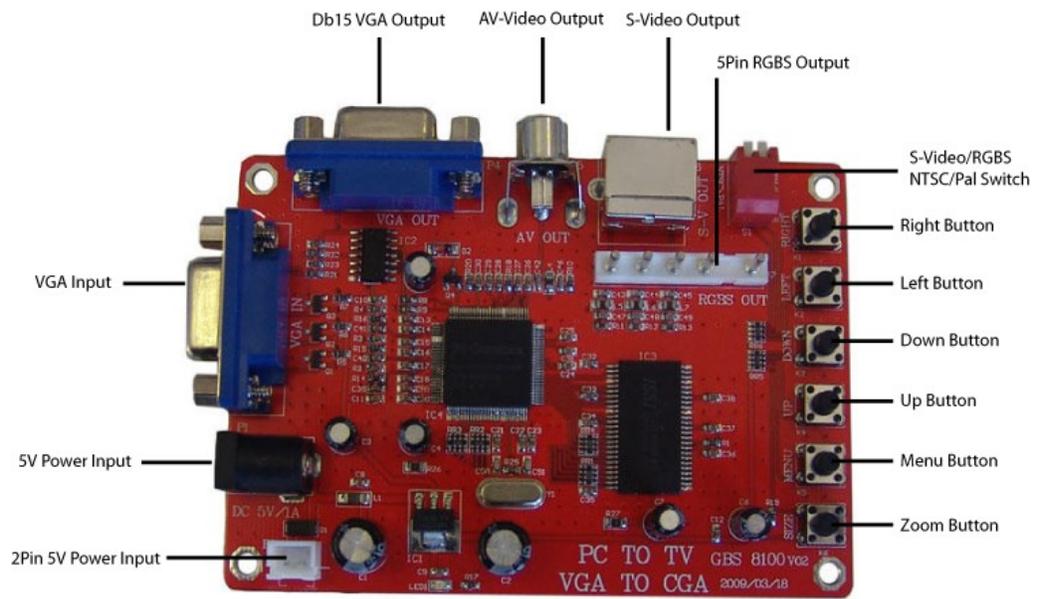
Features

- Supports VGA/SVGA/XGA/SXGA(640*480,800*600,1024*768, 1280*1024) signal input. Supports VGA output by pass.
- CGA signal output(15K).
- Video/S-Video output.
- Supports NTSC & PAL.
- Supports position control & zoom control.
- True digital 24-bit A/D converter for true 16.7-million color conversion.
- English OSD Adjust menu.

MENU CONTROL

- "MENU"   open/close OSD menu.
- "UP"   up move.
- "DOWN"   down move.
- "LEFT"   +

- "RIGHT"   -
- S I (2)to switch NTSC/PAL output, (1)to switch S-Video/CGA output.

Specifications

Power	DC5V 2A +/- 0.5v		PI or P2
Input signal	VGA	640*480@60/72/75/80/85 Hz	P3
		800*600@60/72/75/80/85 Hz	
		I 024*768@60/72/75/80 Hz	
		1280* 1024@60/72/75 Hz	
Output signal	CGA	480i @60Hz	P7
	VGA	By pass	P4
	Video	480P NTSC/PAL	P5
	S-Video	480P NTSC/PAL	P6
User control	Output Switch. Image Zoom, Image Position,Output adjust.		Menu Key
Dimensions	100 x 70 x 20mm		

Troubleshooting

No signal on your monitor

- Please check input and output cables, make sure all cables are connected.

- Make sure power is on.

Input not supports

- When your monitor display is abnormal, you may need to change to a lower resolution.

- Please set your computer resolution to 800x600/60Hz.

Image not full screen

-please enter menu, adjust image position and zoom. If you use to CGA monitor, adjust your monitor settings.

Image no color

-please switch NTSC/PAL, or switch SVIDEO/RGBS

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