

# Austin Franklin Associates Inc.

HARDWARE/SOFTWARE/SYSTEMS CONSULTANTS

43 GROVE STREET — AYER, MASSACHUSETTS 01432 — TELEPHONE (617) 772-0352

20-SEPT-83

## PROGRAMMING THE AUSTIN 80 (TM) RGBI ADAPTER BOARD

Before beginning please read the programming sheet accompanying the Austin 80 main video processor board.

Immediate Mode: (from keyboard)

CTL-F = turn all three color guns ON (white characters)

CTL-L = turn blue gun OFF

CTL-E = turn red gun OFF

CTL-N = turn green gun OFF

NOTE: A CTL-O must be issued before any of the control characters used to program the Austin 80 (TM) will function. A CTL-R will reset the guns to the default color. CTL-I is intensity in both RGBI and composite video, all other control characters work as specified in the original documentation.

Program Mode: (from a program)

Use an ESCape before inputting the control character in your program statement.

Austin 80 is a trademark of Austin Franklin Assoc. Inc.

25-SEPT-83

INSTALLATION OF THE AUSTIN 80 (TM) RGBI  
ADAPTER BOARD IN YOUR ATARI 800 (TM)

- 1) Power down the unit.
- 2) Remove the top cover by turning the two tabs or removing the two screws.
- 3) Remove the Austin 80 (TM) video board and remove the composite video cable.
- 4) Place the Austin 80 (TM) video board on a flat surface with the components facing upward and the gold edge connector toward you.
- 5) On the upper right side of the main video board are two sets of pins; 10 pin and 14 pin. On the RGBI board are the mates for these pins.
- 6) Plug the RGBI board into the main video board, with its components facing toward the main video board.
- 7) Install the board into the unit as per the original instructions. (Main video board components facing the rear.)
- 8) Run the cable out of the right side of the unit in the channel as you did the composite video cable, per original instructions.
- 9) Install your top cover and close the door.
- 10) Connect the video output cable (with 9 ribbons) to the RGBI monitor input cable, if it is not of the IBM 9-pin type, reference the sheet on 9-pin 'D' connectors. The other cable with two conductor ribbons is for light pen input the same as the composite video cable.
- 11) Power up the unit and monitor.

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Atari 800 is a trademark of Atari Inc.

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## 9-PIN 'D' CONNECTOR CONNECTIONS

This is standard IBM RGBI output.

1	N/C
2	GND
3	Red
4	Green
5	Blue
6	Intensity
7	N/C
8	Horizontal Synch
9	Vertical Synch

Use a 9-pin male 'D' connector and hood to manufacture your own RGBI cable if your monitor does not accept our standard input. (Radio Shack part numbers: Plug - 276-1537, Hood - 276-1539, also available through us).

### MONITOR TIMING:

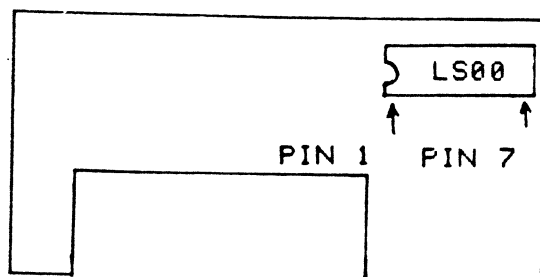
If your monitor requires video timing other than those provided by our program cartridge, please call us with your specifications and we will manufacture a modified cartridge for you in exchange of your old one.

### SYNCH SIGNALS:

The monitor may require either positive or negative synch signals (horizontal and vertical). The RGBI board comes standard with positive synch outputs.

To acquire negative synch signals make the following modifications to the RGBI adaption board.

TOP



COMPONENTS UP

Clip pins 3 and 6 of the LS00 completely off the IC and PC board.

On the bottom of the board connect the LS00 pins 1,2, and 3 together, then pins 4,5, and 6. This routes the two signals past this IC.

Notes on the Austin 80 (TM) RGBI adapter board:

To change the screen background color (for normal screen I/O), use the immediate programming commands.

Example: (make screen green)

<CTL-B>

<CTL-F>

<CTL-E>

<CTL-L>

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