- Supports 132-column text mode on standard VGA (132 x 25, 132 x 43 and 132 x 60)

- Auto-switching (to match video modes)

- Analog (DB-15) connector integrated into backplane

- Fully compatible with IBM basic input/output system (BIOS)

HIGH RESOLUTION DEVICE DRIVERS

The README.TXT file gives step-by-step procedures for installing the high resolution drivers included with the VGA video board. The device drivers addressed include.

- AutoCAD V2.62
- AutoCAD Rel 9/10/11, AutoShade 1.1 & 2.0, and AutoSketch 3.0
- Framework II and III
- GEM/3 Version 3.1
- Lotus 1-2-3 Version 2.0X, Release 2.2, and Release 3
- OrCAD 4.0
- P-CAD 4.5
- Presentation Manager Version 1.1
- RIXAI
- Ventura Publisher Version 1.1 & 2.0
- VESA TSR
- Windows 286/386 Version 2.11 and 3.0
- WordPerfect Versions 5.0 and 5.1
- 132-Column Text Mode Applications

SUPPORTED SCREEN FORMATS

STANDARD IBM MODE

MODE (HEX)	Type	COLx ROW	Colors	Pages	Map Addr (HEX)	CharCell
00	Text	40 × 25	16	8	B800	8 × 8
01	Text	40 × 25	16	8	B800	8 × 8
02	Text	40 × 25	16	8	B800	8 × 8
03	Text	40 × 25	16	8	B800	8 × 8
00*	Text	40 × 25	16	8	B800	8 × 14
01*	Text	40 × 25	16	8	B800	8 × 14
02*	Text	40 × 25	16	8	B800	8 × 14
03*	Text	40 × 25	16	8	B800	8 × 14
00+	Text	40 × 25	16	8	B800	8 × 16
01+	Text	40 × 25	16	8	B800	8 × 16
02+	Text	40 × 25	16	8	B800	8 × 16
03+	Text	40 × 25	16	8	B800	8 × 16
07	Text	40 × 25	2	8	B000	9 × 14
07+	Text	40 × 25	2	8	B000	9 × 16
04	Graphics	320 × 200	4	1	B800	8 × 8
05	Graphics	320 × 200	4	1	B800	8 × 8
05	Graphics	640 × 200	2	1	B800	8 × 8

0D	Graphics	320 × 200	16	8	A000	8 × 8
0E	Graphics	640 × 200	16	4	A000	8 × 8
0F	Graphics	640 × 350	2	2	A000	8 × 14
10	Graphics	640 × 350	16	2	A000	8 × 14
11	Graphics	640 × 480	2	1	A000	8 × 16
12	Graphics	640 × 480	16	1	A000	8 × 16
13	Graphics	320 × 200	256	1	A000	8 × 8

EXTENDED VIDEO MODES

4E	Text	80 × 60	16	2	B800	8 × 8
4F	Text	132 × 60	16	2	B800	8 × 8
50	Text	132 × 25	16	4	B800	8 × 14
51	Text	132 × 43	16	2	B800	8 × 8
52	Graphics	800 × 600	16	1	A000	8 × 16
53	Graphics	640 × 480	256		A000	8 × 16
54	Graphics	800 × 600	256		A000	8 × 16
55	Graphics	1024 × 768	4		A000	8 × 16
56	Graphics	1024 × 768	16		A000	8 × 16
57	PORTRAIT	768 × 1024	4		A000	8 × 16

Table 1: MODE TABLE

Remarks:

1. Modes marked with * or + are IBM Expanded Character Cell versions of the original modes.

2. Mode 3 + (color) or 7 + (monochrome) is the default mode at power up.
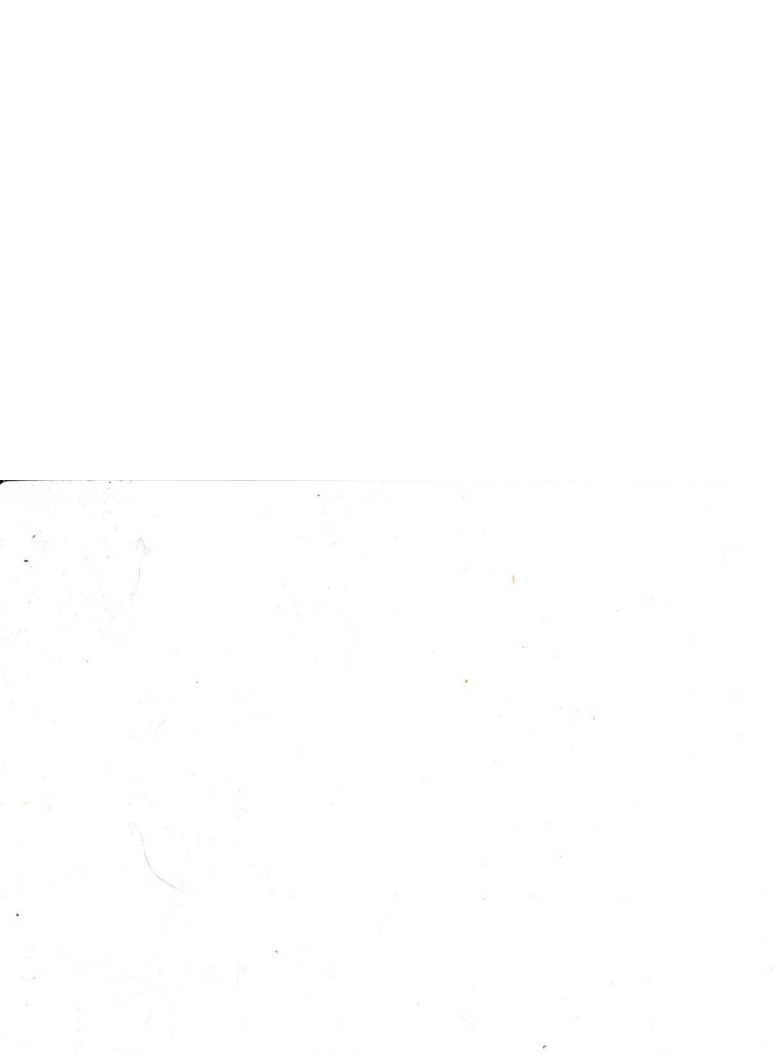
VGAMODE UTILITY

While most recent software can run in the default VGA configuration of the VGA board, some older software programs were written specifically for non-EGA or non-VGA video hardware. To be able to run them, it is necessary to configure the board to behave as required by the software.

VGAMODE can also be executed from the DOS prompt with parameters in order to automatically enter an emulation mode. To select an emulation, enter VGAMODE followed by a 'C', 'M', 'E;' or 'V'; [ENTER] to switch to CGA, MGA, EGA, and back to VGA, respectively.

VGAMODE C (switches to CGA emulation mode)

VGAMODE M (switches to MGA emulation mode)

VGAMODE E (Switches to EGA emulation mode)

VGAMODE V (returns to normal VGA mode)

To select a display mode, append the mode number in hex after VGAMODE. Refer to Table 1: Monitor and Modes for a listing of all of the supported modes.

VGAMODE 3   (select mode 3-80 × 25 color text mode)

VAGMODE 51 (select mode 51-132 × 43 color text mode)

VGAMODE 13 (select mode 13-320 × 200, 256 colors graphics mode)

A LOCK/UNLOCK feature allows locking and unlocking of the emulation mode. Locking an emulation mode will cause the video board to remain in the chosen mode even after a warm reboot (the simultaneous pressing of the Control. Alt and Delete keys). LOCK/UNLOCK will be erased by power shutdown. This feature is ideal for the running of self-bootable game programs.

LIMITED WARRANTY

The Manufacturer warrants to the original purchaser of this product that it shall be free of defects resulting from faulty manufacture or components for a period of (1) one year from the date of sale. Defects covered by this Limited Warranty shall be corrected either by repair or by manufacturer's election, by replacement. In which case the replacement shall be warranted for the remainder of the original one. This Limited Warranty is non-transferable and does not apply if the product has been damaged by accident, abuse, misuse, modification, misapplication or service by someone other than manufacturer. Transportation charges to the manufacturer are not covered by this Limited Warranty. To be eligible for warranty service, a defective product must be sent Manufacturer within)12) twelve months of date of sale accompanied with sales receipt. To protect your warranty, please complete the attached Warranty Registration Card and return to dealer with (30) thirty days after purchase.

WARRANTY REGISTRATION CARD

COMPANY NAME: _____

ADDRESS: _____

_____

PHONE:_____FAX:_____

SERIAL NO.: ____ DATE OF PURCHASE: ____ / ____ / ____

PURCHASE FROM: _____

PRODUCT NAME: _____