

Addendum - MX-656 MaxLogic High-Resolution Drivers (Software Drivers for Microsoft Windows, AutoCAD/AutoSHADE, GEM/GEMScan, Wordperfect, Wordstar, Lotus 1-2-3, and Symphony)

This addendum includes the following:

- **RUN.EXE** is a new high-resolution driver for Wordperfect and Wordstar. This driver is included on the MX-656 MaxLogic utility diskette with the **RUNDOC** file. The **RUNDOC** file contains instructions for **RUN.EXE**.
- **Lotus 1-2-3** and **Symphony** installation instructions are in the "read. me" file on the utilities disk #1.
- Correction Page, Ventura Publisher, Page 71.
- Software updates for the following high resolution drivers:

Addendum Section	Application Software	Version
1	Microsoft Windows	2.x
2	AutoCAD and AutoSHADE	Release 9 Version 2.50 and Later
3	GEM GEMScan	3.x 1.x

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A2.6 Ventura Publisher

To install your MaxLogic Ventura Publisher high resolution driver, follow these steps:

NOTE: Install Ventura Publisher on your hard disk drive. Select a Max EGA Card during initial installation.

1. Insert the MaxLogic utility diskette into Drive A.
2. Change to floppy disk drive A. Type:

A: [ENTER]

For Versions 1.0 and 1.01, type:

VENTURA 1 [ENTER]

For Versions 1.1 or later, type:

VENTURA 1.1 [ENTER]

3. Select the Driver Name and press the [ENTER] key.
4. Select the driver. Choices are 640x480 or 800x600.
5. Answer all system prompts.
6. Verify all selections.

Start Ventura Publisher as you normally would. To change resolutions, repeat the steps above for the new resolution.

Section 1: Microsoft Windows

1.1 Microsoft Window Drivers Version 2.x

The MX-656 MaxLogic utility diskette contains three, high-resolution drivers for Version 2.x of Microsoft Windows.

The following table lists the driver names and the corresponding resolution.

High-Resolution Graphics Modes

Driver Name	Resolution
MX640480.DRV	640x480
MX752420.DRV	752x420
MX800600.DRV	800x600

NOTE: The high-resolution modes require a multifrequency monitor.

Disk Copy

Before continuing with driver installation, make a **backup copy** of your Microsoft Windows DISPLAY diskette.

Install MaxLogic Drivers – Microsoft Windows

Use the following steps to install a MaxLogic driver.

1. Insert the MaxLogic utility diskette into Drive A. Insert your **backup** DISPLAY diskette in Drive B. Refer to the resolution table and select a resolution and the corresponding driver name (MX?????.DRV). Type:

2. **COPY A:\WIN200\MX?????.DRV
B:EGAHIRES.DRV** [Enter]

3. Now refer to your Microsoft Windows manual. Follow the driver installation procedures. When the Windows program prompts for the graphics adapter, select an EGA adapter with more than 64K of screen memory and an EGA monitor. A message similar to the following appears:

IBM (or 100% compatible) EGA (64K) with Enhanced Color Display

4. That's it! Run Microsoft Windows in the high resolution mode.

Section 2: AutoCAD and AutoSHADE

2.1 AutoCAD and AutoShade Release 9, Version 2.50, and Later

The MX-656 MaxLogic utility diskette contains an ADI (AutoDesk Interface Device) driver for running AutoCAD and AutoShade with the MX-656 card. Two programs, MXCONFEG.COM and MXINSTEG.COM, are provided for configuring driver parameters and installing the driver.

The MaxLogic ADI driver works with release 9 of AutoCAD, and AutoCAD version 2.50 or later. You can also use the same driver with AutoShade.

NOTE: The MaxLogic high-resolution AutoCAD ADI driver requires a multifrequency monitor.

2.2 Configure and Install the MaxLogic ADI Display Driver

Before you begin an AutoShade or AutoCAD session, you must load the MaxLogic ADI driver (MXCONFEG.COM and MXINSTEG.COM programs). MXCONFEG needs to be run each time you want to reconfigure the ADI parameters. MXINSTEG needs to be run each time you turn on or boot up your computer.

The MaxLogic utility diskette contains both the MXINSTEG and MXCONFEG programs. We recommend copying the utility diskette to a hard disk drive.

2.3 Running MXCONFEG.COM

You can run MXCONFEG.COM anytime you want to change the current ADI driver configuration. We recommend running MXCONFEG.COM the first time you use the ADI driver to confirm if you want our default configuration. The last configuration is always saved when you turn off or reboot your computer.

1. To configure the MaxLogic AutoCAD ADI Display Driver, issue the following command at the DOS prompt >:

```
MXCONFEG           [Enter]
```

Respond to "Enter name of driver to be modified [MXINSTEG.COM]" by pressing the [Enter] key.

NOTE: If you want to change the driver name, do so before you press the [Enter] key.

2. When prompted for an Interrupt vector, press [Enter] to accept the default value (07AH). If you change this value, make sure it corresponds with the Interrupt vector value in the AutoCAD configuration (Section 2.5).
3. Respond to the graphics resolution data you wish to use. Choose a number and press [Enter].

1. 640x350
2. 640x480
3. 752x420
4. 800x600

4. The Redrawing Option redraws the screen each time you switch from text to graphics.

Enter 1 = YES

0 = NO

Redrawing Screen Option [0]

5. Use Edit Screen Colors to set the color of 21 separate screen parameters. Refer to Section 2.7 for definitions of the parameters.

Enter Graphics Area Background [7]

Enter Border Color [1]

Enter Cursor Color [5]

Enter Grid Dot Color [7]

Enter XOR (Dragging) Color [5]

Enter Screen Menu Highlight Color [7]

Enter Text Background Color [5]

Enter Text Foreground Color [7]

Enter Alert Box Background [1]

Enter Alert Box Foreground [0]

Enter Alert Box Border [5]

Enter Menu Bar Background [7]

Enter Menu Bar Foreground [0]

Enter Menu Bar Border [5]

Enter Pop-Up Menu Background [7]

Enter Pop-Up Menu Foreground [0]

Enter Pop-Up Menu Border [5]

Enter Dialog Box Background [2]

Enter Dialog Box Foreground [0]

Enter Dialog Box Border [5]

Enter Dialog Line Drawing Color [5]

6. Confirm or change the default color value [x] of each screen parameter. The following table lists the 8 possible colors with their corresponding value:

Color Values

Value	Color
0	Black
1	Red
2	Yellow
3	Green
4	Cyan
5	Blue
6	Magenta
7	White

The available colors are "standard" AutoCAD colors. This ensures that the colors generated by the MaxLogic AutoCAD Display Driver match those generated by any other display/driver that adheres to AutoCAD standards.

7. At the end of the MXCONFEG program, one of two messages appears.

When MXINSTEG still needs to be executed, a message similar to the following is displayed:

MaxLogic ADI driver was successfully modified!

The ADI driver is not installed yet.

Install the driver before running AutoCAD or any Rendering Software.

When MXINSTEG has been executed, a message similar to the following is displayed:

MaxLogic ADI driver was successfully modified!

The driver is installed.

2.4 Running MXINSTEГ.COM

The MXINSTEГ.COM program installs the MaxLogic ADI driver to memory. Run MXINSTEГ.COM each time you boot up or turn on your computer, and be sure to run MXINSTEГ before you run AutoCAD.

1. Select the drive where MXINSTEГ.COM is stored and type:

MXINSTEГ **[Enter]**

We recommend installing the MXINSTEГ program in an AUTOEXEC.BAT file.

2. Once MXINSTEГ is installed, the program title and a message similar to the following appear. Make sure that the displayed resolution and interrupt vector are appropriate for your application.

MaxLogic EGA AutoCAD Driver, Version 1.01

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Resolution is (640x350).

AutoShade Rendering Driver included.

Driver is installed at Interrupt vector [7A].

2.5

Configure AutoCAD

This section provides the steps for configuring AutoCAD to run with the MaxLogic ADI driver. Before beginning AutoCAD configuration, make sure that the MXINSTEG program is executed.

1. Make sure you install your mouse driver before you enter AutoCAD. Type **ACAD** to access AutoCAD.
2. From the AutoCAD Main Menu, select **Configure**. Press **5** and **[Enter]**.
3. If you have a current AutoCAD configuration, review the current setting and hit the **[Enter]** key.
4. When the AutoCAD Configuration Menu appears, press **3** and **[Enter]** to configure the Video Display. Type **Y** when asked *Do you want to select a different one?* **N** and hit the **[Enter]** key.
5. A list of AutoCAD video display drivers appears. The selection from this list depends on your current AutoCAD software. Select an ADI display driver by typing the number and pressing the **[Enter]** key. If there are two different versions of ADI display, choose the later version (v3.1).

1. ADI display v3.0 Rev. 1

2. ADI display v3.1

Choose 2 for ADI display v3.1.

6. Next, the screen displays:

Hexadecimal interrupt code (INT 0XXh): <7A>

Hit the **[Enter]** key for the default value. This interrupt code must be the same as the interrupt vector in the MXCONFIG.COM program. Next, AutoCAD asks the following series of questions:

If you have previously measured the height and width of a "square" on your graphics screen, you may use these measurements to correct the following aspect ratio.

Would you like to do so? <N>

Do you want a status line? <Y>

Do you want a command prompt area? <Y>

Do you want a screen menu area? <Y>

Press **[Enter]** to accept default, or type **Y** or **N**.

7. Once you have answered all the questions AutoCAD will return to the Configuration Menu. You are finished configuring AutoCAD. Exit the Configuration Menu by typing **0** and pressing the **[Enter]** key.
8. AutoCAD will prompt you to save or abandon the new configuration. Type **Y** **[Enter]** or press the return key to save the configuration.

9. AutoCAD will return to the Main Menu; operate AutoCAD as you normally would.

Congratulations! Installing the AutoCAD ADI Driver is now complete.

2.6 Configure AutoShade

The first time you use AutoShade with an ADI driver, you will need to configure AutoShade for an ADI display. Use the following instructions to install AutoShade. Make sure the MXINSTEG driver has already been installed.

1. Delete the SHADE.CFG file (you can use either the DOS ERASE or DEL command).
2. Run the SHADE program. Type **SHADE**.
3. Now, the Pointing Device Menu appears. Select a pointing device. For example, select Microsoft Mouse (if installed). Press **2** and **[Enter]**.
4. The Interactive Display Device Menu appears and prompts you to select a display device.

If the system has one monitor and a MaxLogic MX-656 EGA card, then select AutoDesk Device Interface display driver. Press **1** and **[Enter]**.

If the system has two monitors with a MaxLogic MX-656 EGA card, and a monochrome graphics card (e.g., a Hercules Graphics card), then we recommend selecting "Hercules Graphics Card." Press **2** and **[Enter]**.

5. Next, the Rendering Display Device menu appears. Select Autodesk Device Interface rendering device. Press 1 and [Enter].

Confirm that the interrupt vector default is correct or enter a different value.

Interrupt vector in hex (default=07AH):

Do the display and rendering devices share a single screen (default = NO):

NO denotes two monitors; **YES** denotes one monitor. If you choose **YES**, then a message similar to the following appears:

Does FLIPSCREEN require a redraw (default NO):

If the answer is **YES**, the menu bar and command line are redrawn when the AutoShade program switches from a rendering display to a graphics display.

6. Once you select the hard copy device, an Untitled AutoShade screen appears. When you exit, a new SHADE.CFG file will be created.

2.7 GLOSSARY

Graphics Area	The graphics area is where the drawing is displayed.
Border	The border separates the graphics area from the status line area, menu screen area, and command prompt area.
Cursor	The cursor is an x,y coordinate.
Grid Dot	Grid dots are displayed when the grid selection is made. The grid dots are a framework with x,y spacing.
XOR (Dragging)	The XOR dragging is for dragging an image on the screen.
Screen Menu Highlight	The screen menu area highlight occurs when an item in the screen menu is selected. The item is highlighted with the chosen color.
Text Background/ Text Foreground	The text appears in the status line area, screen menu area, and command prompt area.
Alert Box Background/Alert Box Foreground	The alert box appears on top of the dialogue box when an error occurs within dialogue. Alert is a small dialogue that contains only a message and an OK button. Alert disappears when OK is pressed.
Alert Box Border	The alert box border separates the alert box from the dialogue box.

Menu Bar Background/ Menu Bar Foreground	The menu bar is displayed by moving the pointer along the top of the graphics area. When the status line is reached, the status line is replaced by the menu bar. As the pointer is moved along the menu bar selections, the selections are highlighted with reverse video. If the status area does not exist, the menu bar cannot be displayed.
Menu Bar Border	The menu bar border separates the menu bar from the graphics area.
Pop-Up Menu Background/ Pop-Up Menu Foreground	The pop-up menu appears when a highlighted menu bar item is selected. The pop-up menu appears below the menu bar.
Pop-Up Menu Border	The pop-up menu border separates the pop-up menu from the graphics area.
Dialog Box Background/ Dialog Box Foreground	The dialogue box pops up to implement several command choices that set an AutoCAD mode. The dialogue box remains until OK or CANCEL is pressed.
Dialog Box Border	The dialogue box border separates the dialogue box from the graphics area.
Dialog Line Drawing Color	The dialogue line drawing outlines the statements or questions in the dialogue box.

Section 3: GEM and GEMScan

3.1 GEM (Version 3.x) and GemScan (Version 1.x) Drivers

The MX-656 MaxLogic utility diskette contains three high-resolution drivers - 640x480, 752x420 and 800x600. The drivers are for GEM (Version 3.x) and GEMScan (Version 1.x).

Disk Copy

Before continuing with driver installation, make a **backup copy** of each original GEM disk:

- GEM Master and GEM Screen #1
- GEMScan Master and GEMScan Screen #1

3.2 GEM Install MaxLogic Drivers

Use the following steps to install a MaxLogic driver.

1. Insert the MaxLogic GEM disk in drive A.

Insert a **backup copy** of the GEM Master disk in Drive B. Type:

COPY A:\GEM300\GEMSETUP.TXT B: [Enter]

2. Next, the GEM Driver program is deleted from your **backup copy** of GEM Screen #1 disk. Two drivers are then copied to the GEM Screen #1 disk.

Insert your **backup copy** of the GEM Screen #1 disk in drive B. Type:

DEL B:SD*.EGA [Enter]

COPY A:\GEM300\SD*.EGA B: [Enter]

3. Now follow the standard installation procedures for GEM. Use your **backup copy** of the GEM Master disk.
4. When the graphic card menu appears, select a resolution driver.
5. After each entry, the current setup is displayed for your review. Select **Continue** to edit the setup; select **SAVE AND EXIT FROM GEMSETUP** to quit.

The on-screen instructions ask you to insert GEM Screen #1 disk (your **backup copy**) in drive A, and select **Continue**. The GEM setup is then copied from drive A to your hard disk drive.

6. Thats it! Run GEM in the high resolution mode.

3.3 GEMScan Install MaxLogic Drivers

Use the following steps to install a MaxLogic driver.

1. Insert the MaxLogic GEMScan disk in drive A.

Insert a **backup copy** of the GEMScan Master disk in Drive B. Type:

```
COPY A:\GEM300\SCANPREP.TXT B: [Enter]
```

2. Next, the GEMScan Driver program is deleted from your **backup copy** of GEMScan Screen #1 disk. Two drivers are then copied to the GEMScan Screen #1 disk.

Insert the GEMScan Screen #1 disk (your **backup copy**) in drive B. Type:

```
DEL B:SD*.EGA [Enter]
```

```
COPY A:\GEM300\SD*.EGA B: [Enter]
```

3. Now follow the standard installation procedures for GEMScan. Use your **backup copy** of the GEMScan Master disk.

4. When the graphic card menu appears, select a resolution driver.

5. After each entry, the current setup is displayed for your review. Select **Continue** to edit the setup; select **SAVE AND EXIT FROM SCANPREP** to quit.

The on-screen instructions ask you to insert the GEMScan Screen #1 disk (your **backup copy**) in drive A, and select **Continue**. The GEMScan setup is then copied from drive A to your hard disk drive.

6. That's it! Run GEMScan in the high resolution mode.