Minilogic Device Corporation

ML1001 USB DEMO USER'S GUIDE

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1.1 Introduction

ML1001 USB Demo Program is a Windows®-based Demo program for the MiniLogic Device Corporation Limited Static COG LCD module to display user's pattern on the LCD Module. Users can input their required pattern to display on our Static LCD Module Demo Kit.

1.2 Host computer system requirement

The following minimum configuration is required to run ML1001 USB DEMO:

- PC-compatible Pentium™-class system with an USB socket
- Microsoft Windows 98 SE or higher
- 6 MB memory
- 10 MB hard disk space
- Static LCD Module Demo Kit

1.3 Installing the Static LCD Module Demo Kit

After connecting the Static LCD Module to an USB socket, the system will detect a new Human Interface Device. Windows will install the driver automatically, for Windows 98, user may need to insert the Windows 98 CDROM to complete the installation.

1.4 Obtaining the ML1001 USB Demo Program

The ML1001 USB Demo is packed together with our MiniLogic Promotion CD. Also, ML1001 USB Demo may be downloaded from the MiniLogic web site (www.minilogic.com.hk).

1.5 Installing ML1001 Demo

To install ML1001 Demo, follow these steps:

1. Enter Microsoft Windows
2. If you are installing from the MiniLogic Promotion CD, place the CD-ROM into the Drive now. You may also download the program from our web site http://www.minilogic.com.hk
3. Then you will see the html as shown

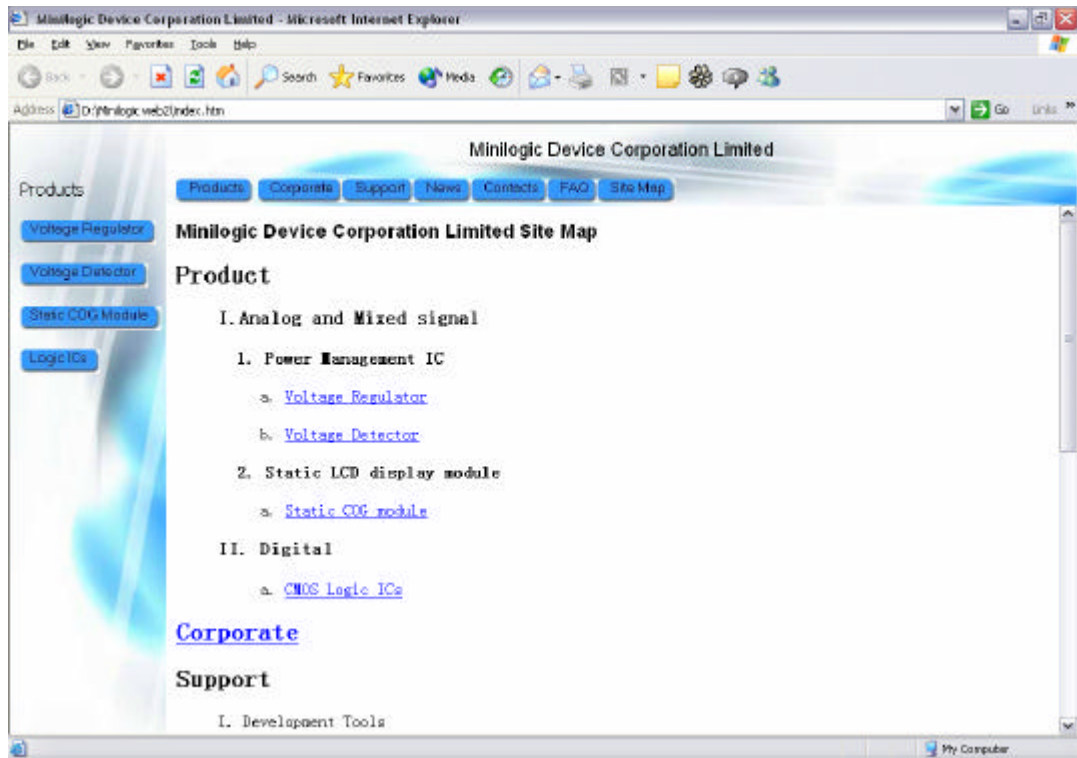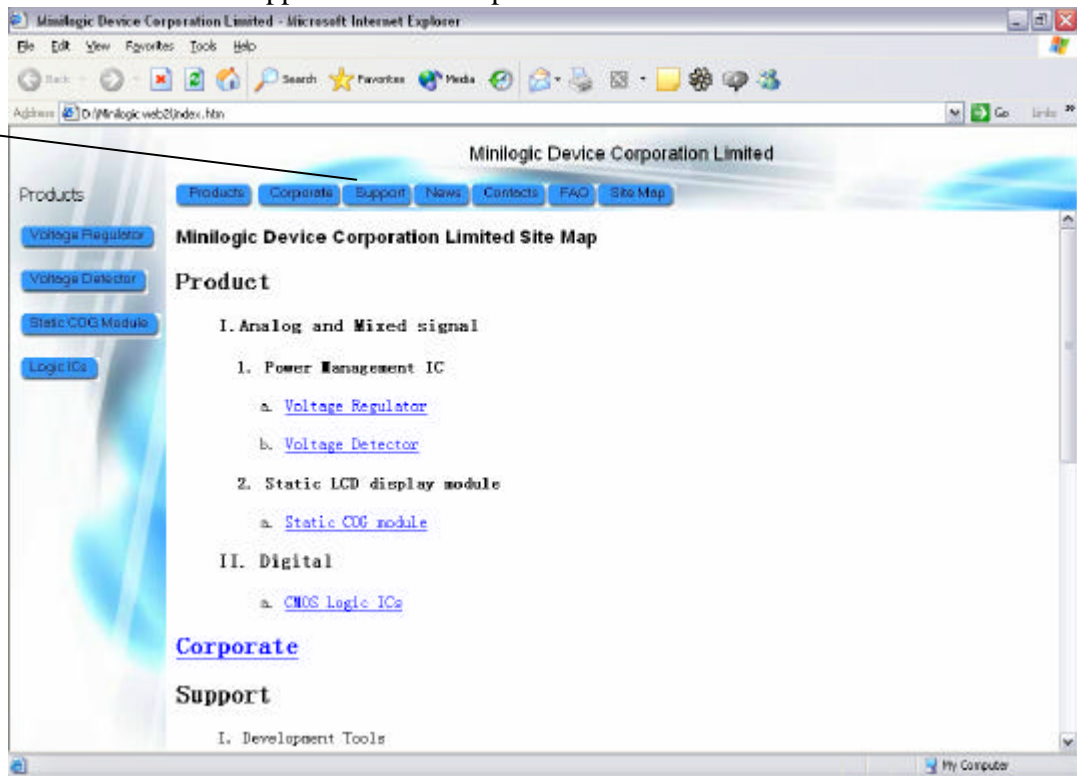## Minilogic Device Corporation

Figure 1.0 Minilogic web site – the first page

4. Then click the support tab on the top.

Support

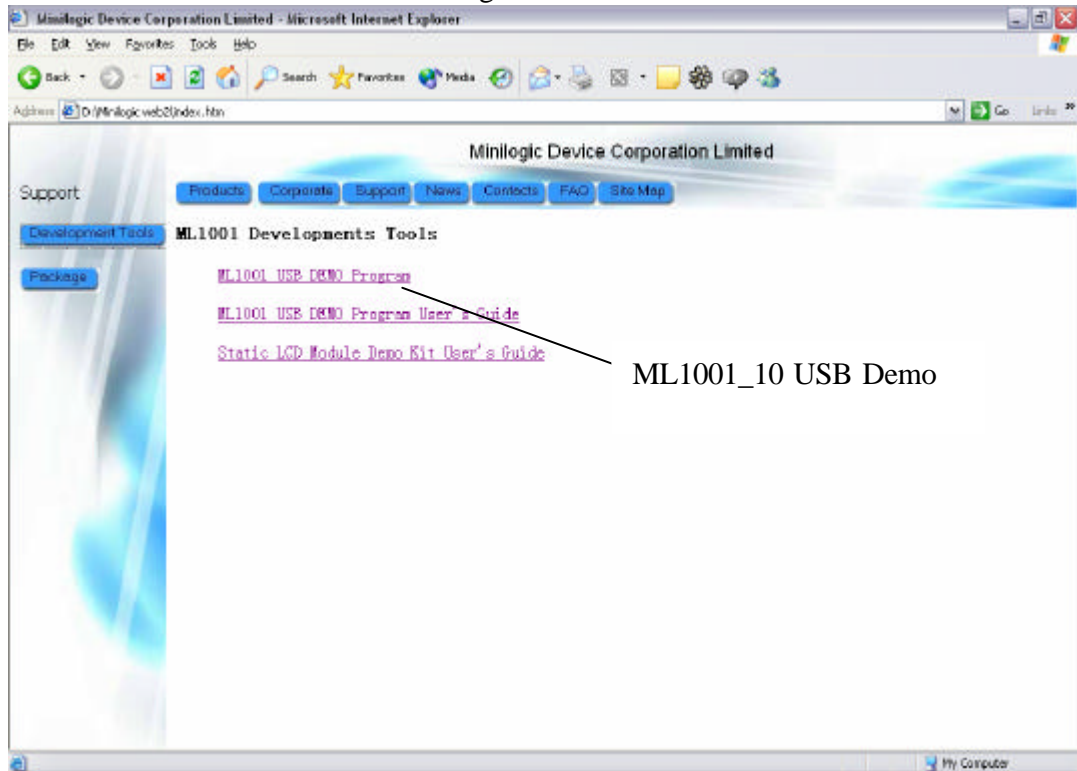**Mdc Minilogic Device Corporation**

5. Then click the Development Tools tab on the left

Development Tools
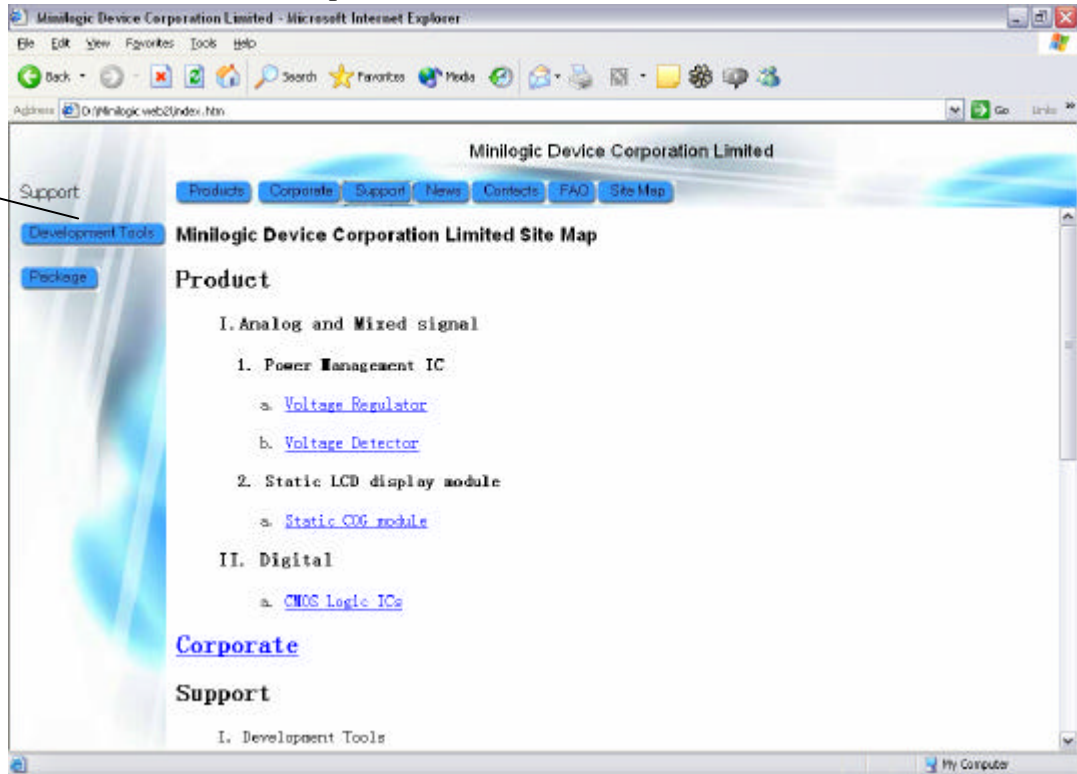
6. Click on ML1001 USB Demo Program to install.

ML1001_10 USB Demo

7. Step through the displayed dialogs where you may customize your installation. If you are unsure about any of the options displayed on the dialogs, simply accept the defaults as shown.

8. Be sure you have installed and connected the Static LCD Module Demo Kit to an USB socket then start the ML1001 USB Demo Program by executing ML1001_10.exe. You will see the ML1001 USB Demo Program running as shown.

Note ML1001 USB Demo Program is best viewed with 1024 x 768 screen resolution.

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2.1 Getting Started with ML1001 USB Demo Program

The ML1001 USB Demo desktop (figure 2.1) contains the following major elements.

1. A Connection Status on the top left corner.
2. Three pattern set on the main window
3. Three scroll bars and display command within each pattern set

Notice that the Connection Status tells you whether the ML1001 USB Demo Program is successfully installed and the Static LCD Module Demo Kit is found.

Connection Status   Pattern Number   Display button   Pattern data

2.2 Display data pattern

Steps to display the pattern:

1. Connect the Static LCD Module Demo Kit to the USB socket; make sure that the Static LCD Module has power switched on.

2. Execute the ML1001_10.exe. The Connection Status on the top left corner will tell you whether the Static LCD Module Demo Kit is successfully connected or not.
3. Choose one of the three Pattern Sets to display
4. Choose the pattern number to display by clicking the scroll bar.
5. Input the data on the Pattern data box. Note 1
6. Click the Display button. Note 2
7. The user's pattern will be displayed immediately.

Note 1 The input data may be either eight digits with 0 or 1. The ML1001 USB Demo Program will warn you if your data pattern format is wrong.

Note 2 The display data pattern will be processed by the ML1001 USB Demo Program, if the program warns you that it can't send the pattern number to the Static LCD Module Demo Kit, just press the Reset button on the Demo kit and restart the USB Demo Program again.

Note 3: In pattern set 3, we have set the default display pattern to all switch ON, such that users can test the LCD Module by switching all ON first.

3.1   Trouble shooting

Communications cannot be established with the Static LCD Module Demo Kit.
- Connect power to the Static LCD Module Demo Kit
- Press the Reset button to reset the Static LCD Module Demo Kit and restart the USB Demo Program.
- Check the USB Cable
- Install the driver of the Human Interface Device properly.
- Install the ML1001 USB Demo Program properly.

Pattern cannot be displayed.
- Check the connection of the LCD module to the Static LCD Module Demo Kit
- Press the Reset button to reset the Static LCD Module Demo Kit and restart the USB Demo Program.

This user manual can't solved my problem
- E-mail your questions to tech@minilogic.com.hk. We will answer your questions and solve your problem ASAP.