Omaura OLED Kit Manual

Chapter 1 – Hardware Installation

There are two main parts of the Omaura OLED Kit the OLED Display Module and the Cable to connect it to the USB header on the motherboard. To install the hardware for the OLED Kit the procedure is as follows: (Please note this does not include instructions on installing this into your chassis, please refer to your chassis documentation for instructions for this)

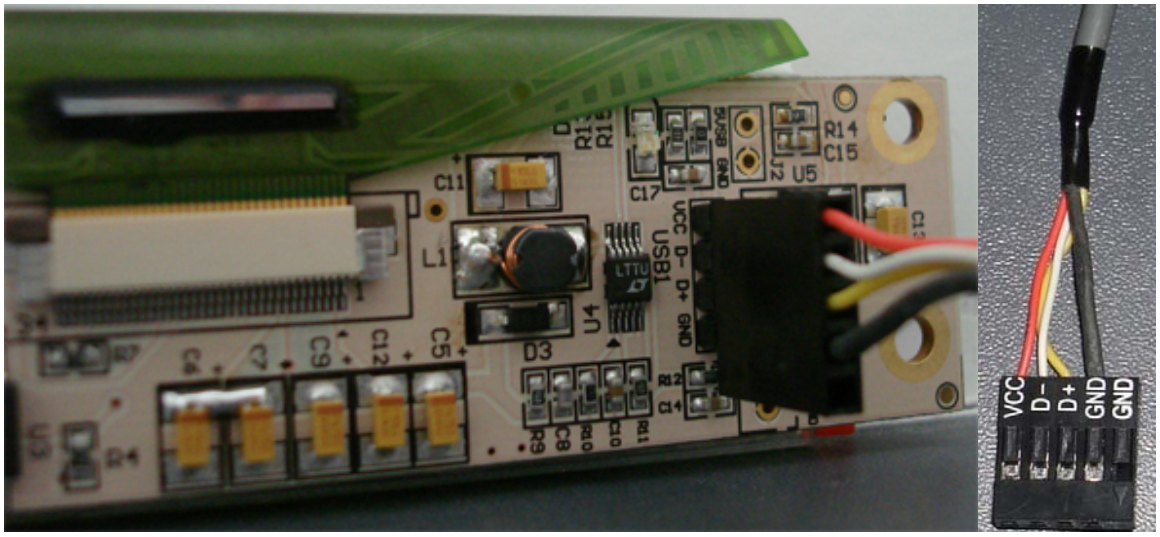
The USB Cable consists of four wires they are utilized as the following:

VCC	Red Wire
D-	White Wire
D+	Yellow Wire
GND	Black Wire

Connect the USB cable to the OLED module as shown in the picture.

Secondarily connect the other end of the USB cable to your motherboards USB Header pins. Please refer to your motherboards documentation for further instructions on doing this.

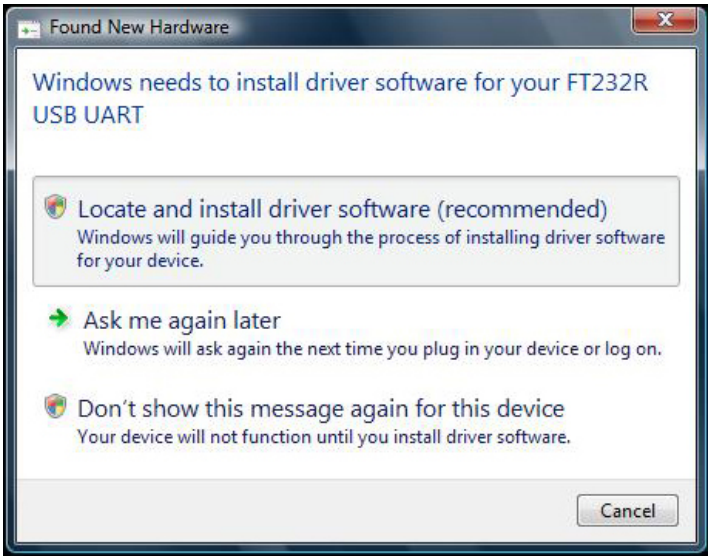
Once connected to your motherboard and mounted in your chassis the hardware installation is complete.



Chapter 2 – Software Installation

Instructions for Installation in Windows Vista

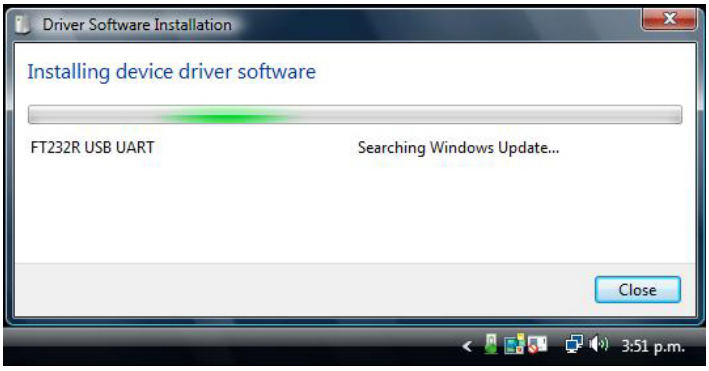
After finishing the hardware installation and powering on your computer again Windows Vista will prompt you with the following screen. Choose the Locate and install driver software option.



You may be prompted by User Account Control for permission, click continue.

The drivers will automatically download from Windows Update.

Once Complete the Driver Software Installation Screen will show both devices as Ready to use you can then click Close.

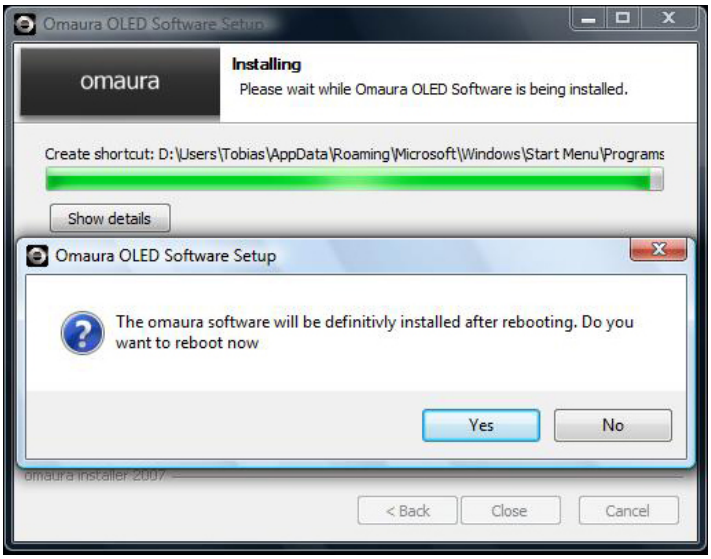


Next head over to Omaura.com and download the latest Omaura OLED Software Installer this can be found at www.omaura.com/downloads.html.

Once you have downloaded the installer double click on the executable file. You may be prompted by User Account Control for permission, please click allow.

You will now be prompted to select the language for the installer. This instruction manual details how to install using the English language selection. Choose your language and then click OK.

The welcome screen will now be presented. Click Next.



* Please note once the software installer completes a restart of your computer will be required in order to complete installation.

The Licence Agreement will now be presented, please review it carefully and then if you accept click I Agree.

The next step is to specify the installation folder; the default is your Program Files Folder. If you would like to choose another location click Browse and specify it, then click Install.

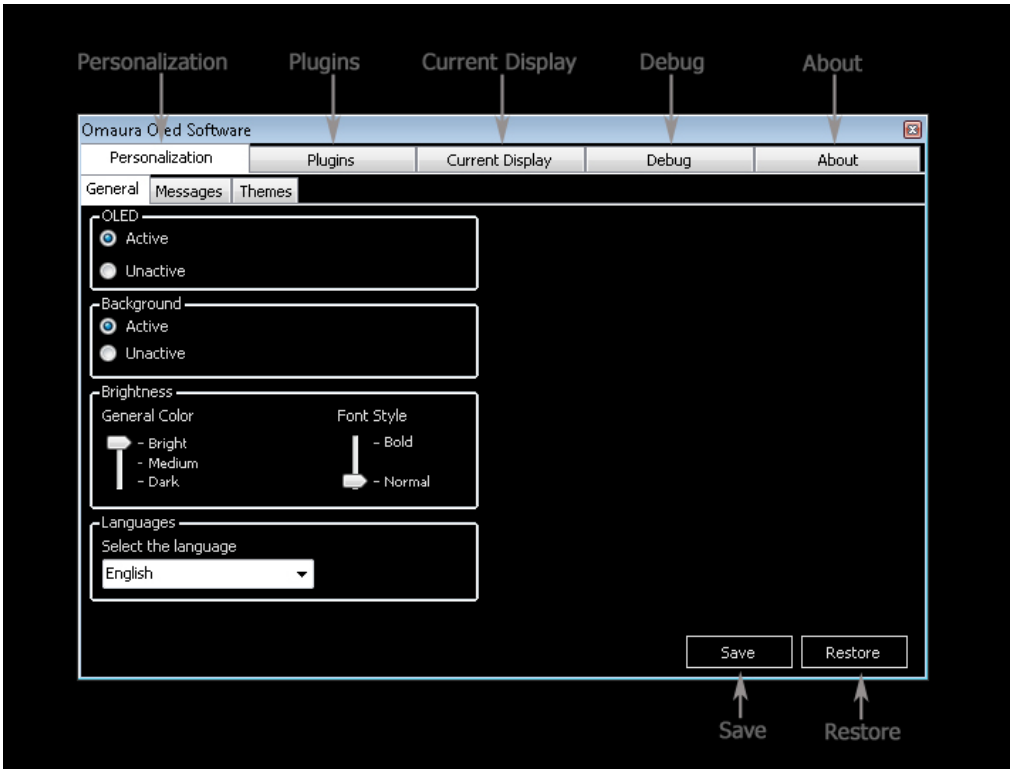
Once installation is completed you will be prompted to restart your computer. Make sure any unsaved work is now saved and then click Yes to restart your computer and complete the Software Installation.

After your computer has restarted and Windows Vista has reloaded you should now see the Omaura OLED Software Icon in your Taskbar and the OLED module should display "Welcome to Omaura OLED Display". If nothing is displayed don't despair just yet head on down to the Troubleshooting at the end of this manual for some tips, there are some known issues that can stop the auto detection of the OLED module by the Omaura OLED Software

Chapter 3 – Software Configuration and Customization

The Omaura OLED Software is a highly flexible and powerful tool for managing the display. This part of the instructions is details the features of the interface and how to use them.

There are five main parts to the OLED Software interface



- Personalization
In this part you can manage the personalization features of the OLED. This is the main and most important part of the interface. It is split into three sub areas General, Messages and Themes.

In General you can modify basic settings such as if the OLED should be active, if it should include the background, managing the brightness of the display an also the style of the font. You can also choose which language you want to use the interface in.

In the Messages sub area you can modify some basic settings concerning the boot message and shutoff message such as Font Size, Style, Color and Background color.

The last area is the Themes areas, this part allows you to manage the different themes you can have that control the way in which data is displayed on the OLED panel. For more information about creating your own themes check the next set of instructions after the instructions about the interface.

When you modify some settings you can click the save button to save your settings or the restore button to restore the settings to default, please note that the software must be restarted for the changes to take effect.

- Plugins
In this part you can manage plugins and also use the test box to test the OLED Display

- Current Display
In this part you can view what data is currently being sent to be displayed on the OLED

- Debug
In this part you can undertake debugging tasks such as correcting connection problems and getting logs

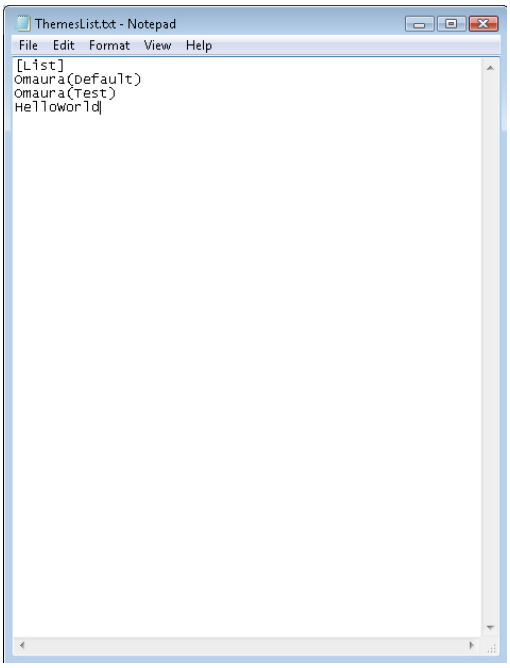
- About
This part displays some information about the software

Themes

Themes are one of the most exciting features of the OLED. Themes allow the customization of nearly all the data that appear on the OLED Panel.

The theme folder is located Program Files/Omaura/Omaura OLED/Resources/Themes.

The following instructions detail how to create your own Theme and configure it. You will require Administrator Permissions in order to complete this. Before starting make sure the OLED Software is not running.



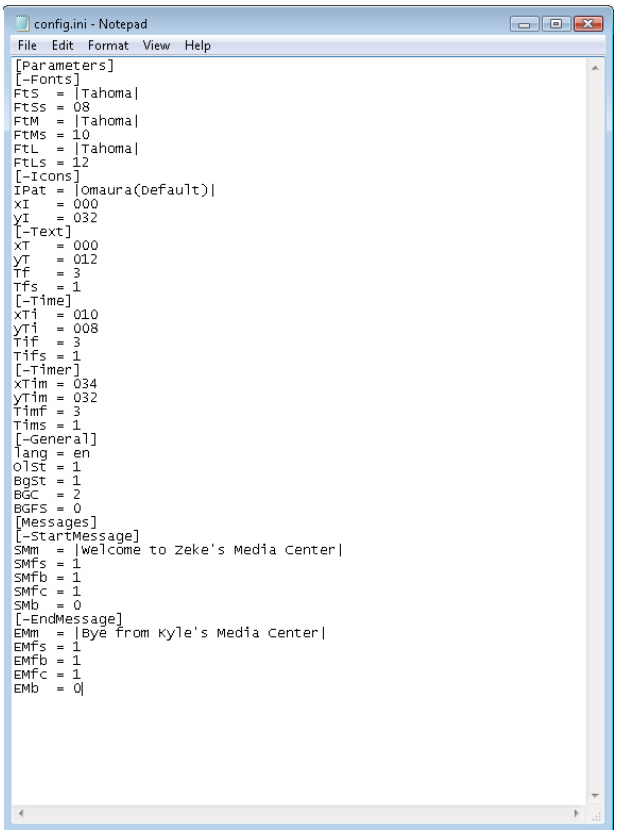
Step 1. Navigate to the theme folder located at Program Files/Omaura/Omaura OLED/Resources/Themes

Step 2. Create a new folder called HelloWorld this will be the name of our Theme

Step 3. Open the contents of the Omaura(default) folder and copy all the files and folders inside this folder into the HelloWorld folder you just created

Step 4. Open Notepad using the option Run As Administrator (If you open Notepad as a user you cannot modify this file) and open the ThemesList.txt file inside the Themes folder add HelloWorld on a new line. Save the file and exit Notepad.

Step 5. Inside the HelloWorld folder you should now have three files and one folder:



Folder – Img Inside this folder you can find the BMP images that the software uses whilst running Media Center. You can modify these images as you like.

File – config.ini You can open this file with Notebook in Administrator mode. There are two values we will modify for this instructions:

SMm = |Welcome to Zeke's Media Center|

This is the boot message

EMm = |Bye from Kyle's Media Center!|

This is the exit message.

Once modified save config.ini.

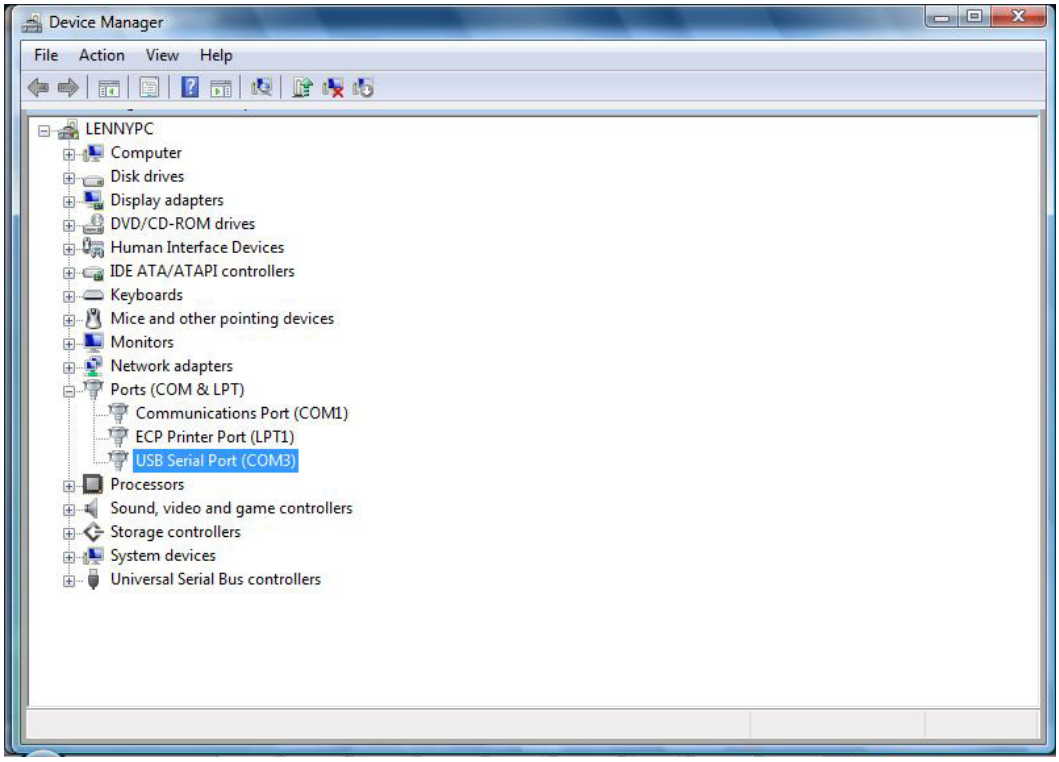
File Description.txt You can write some details about your theme in this file, they will show up in the software.

File Preview.bmp Here is the preview image that can be seen in the software. You can modify this image as you like

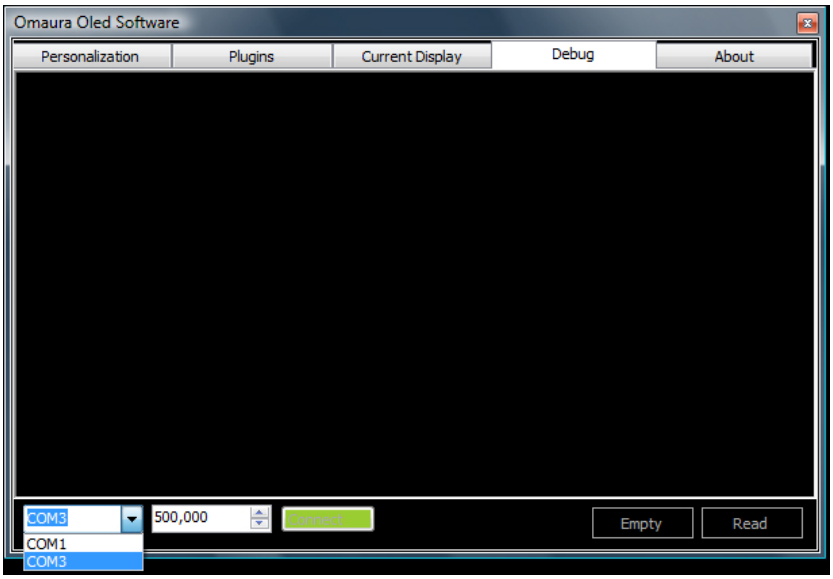
Step 7. Reload the Omaura OLED and click the Themes Tab. Click on the newly appearing HelloWorld Theme and click save. Exit the software and reload it again. You should now have the customized Boot Message and Exit Message along with any modifications you made to the BMP images for Media Center.

Chapter 4 – Troubleshooting

- After a new install nothing is displayed on the OLED
Firstly load the OLED Software Interface and click on the Debug tab, if the connect button is Red then you already have a successful connection between the software and the OLED Module, try rebooting. If the button is green then the software may not have correctly detected the COM port the OLED is plugged into.



In some system setups especially under Windows Vista the OLED software cannot detect the COM port the OLED is located on. You can force detection by first checking the assigned COM Port for the USB Serial Port in the Device Manager. You can access the device manager by pressing the Windows Key+Break and then choosing Device Manager from the task manager. In Device Manager expand the Ports (COM & LPT) Tab and look for the device called USB Serial Port. The value in brackets next to the device is the COM Port the OLED is plugged into.



Once you have discovered the port it is using open the OLED Software Interface, click on the Debug tab then choose the correct COM port and click connect. The OLED should now be working.