



QUAZER™

AUTOMATED DIAMOND CUTTING SYSTEM

SOFTWARE & UPGRADE INSTALLATION GUIDE

by Sarin Technologies Ltd.

DOCUMENT VERSION 1.10.000

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Sarin Technologies Ltd.

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INTRODUCTION

This document describes how to install or upgrade your Quazer software. You need to download the software as a zipped file from the Sarin FTP site. Contact your local representative for the login information.

How to Contact Us

Please contact your local Sarin representative with any questions or comments you may have regarding the site preparation procedure.

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INSTALLING THE SOFTWARE

Note

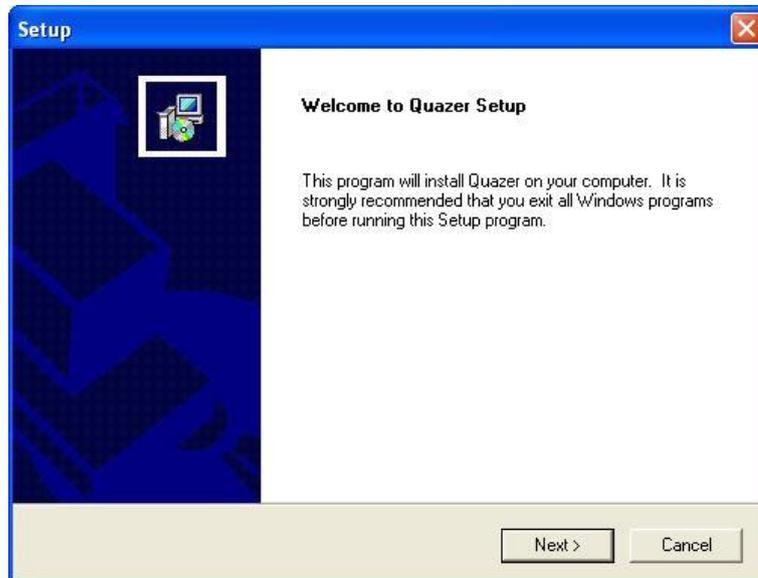
When the upgrade files are downloaded read the README file. This file contains the information of whether or not the MODAC software needs to be loaded.

1. In case of an upgrade file, download the upgrade executable you want to install and save it in the folder

C:\Program Files\Sarin Technologies\Quazer.

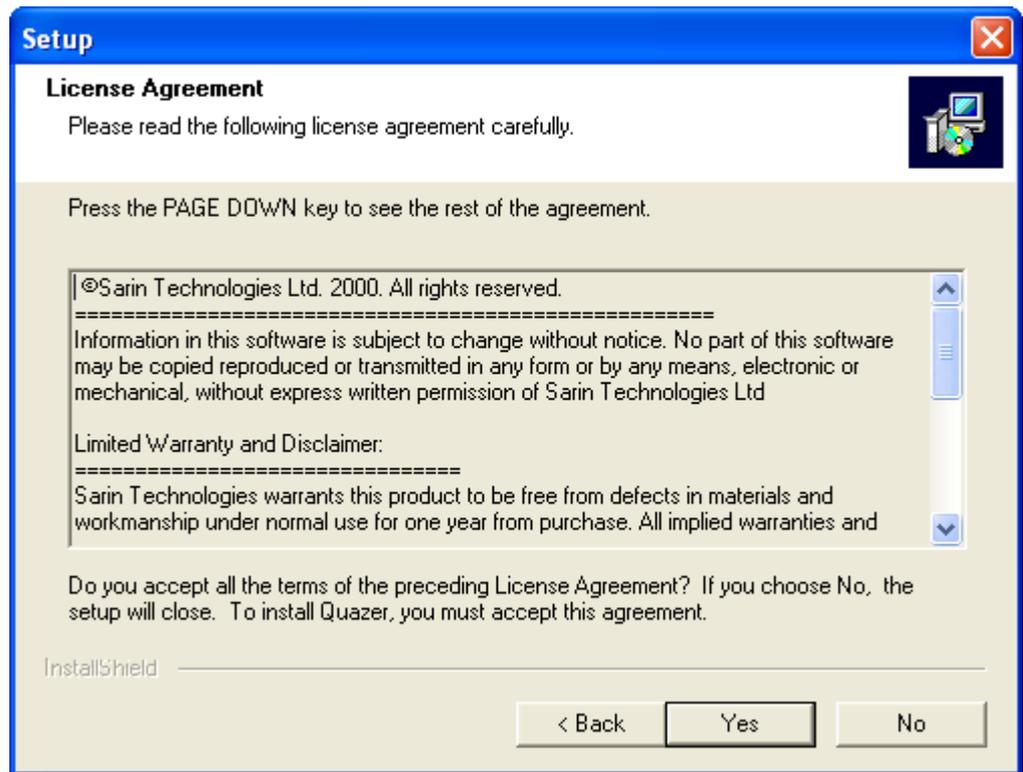
In case of an upgrade/install through a disk you don't need saving it to your hard disk.

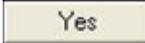
2. Open the folder and double-click the **Setup.exe** file.

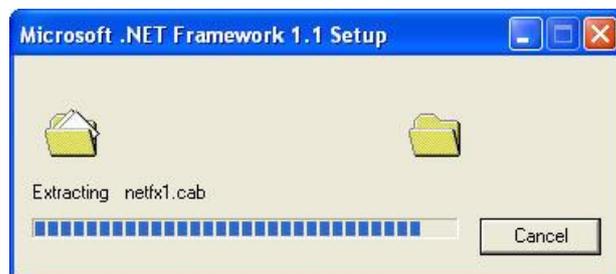
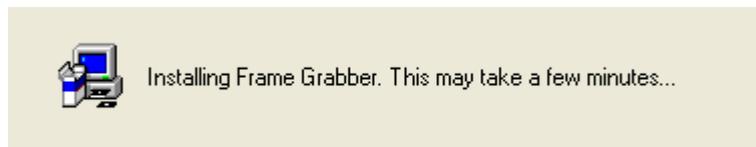


The **Setup** window opens.

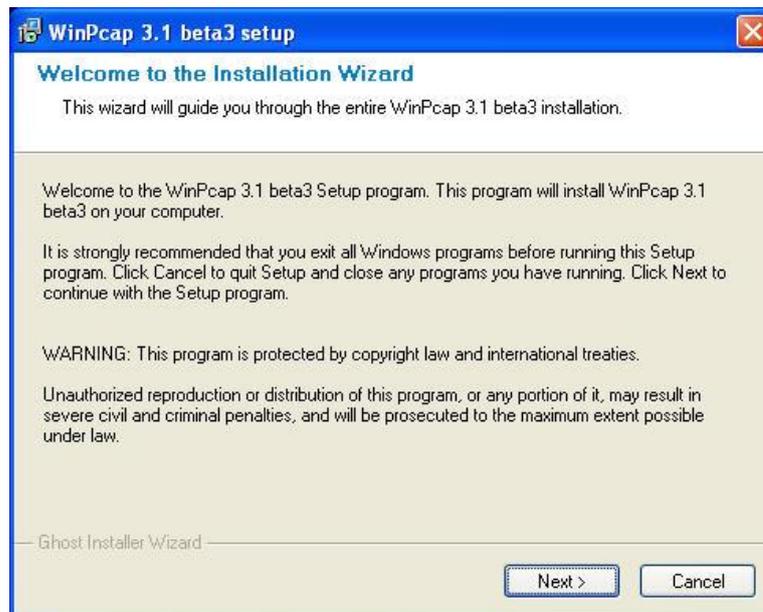
- Click the  button.



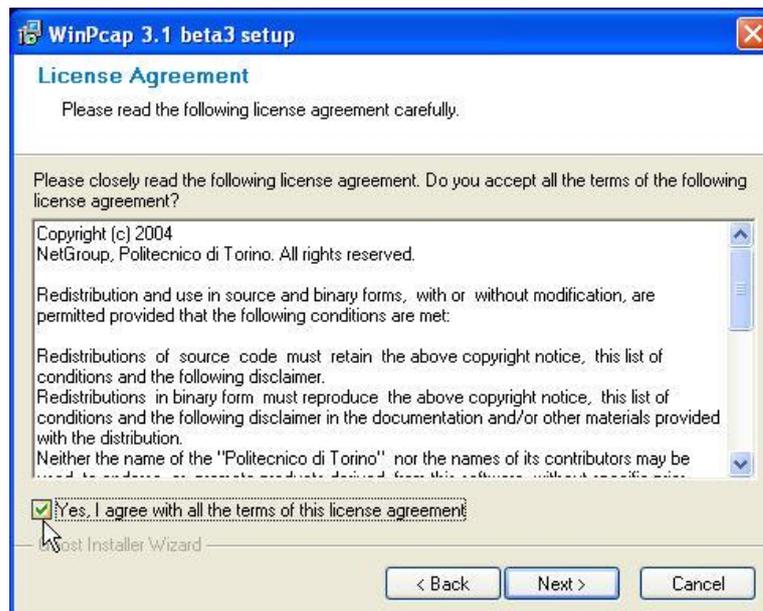
- If you accept the terms, click the  button. The message explaining that the frame grabber installation procedure will take a while will appear.

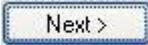


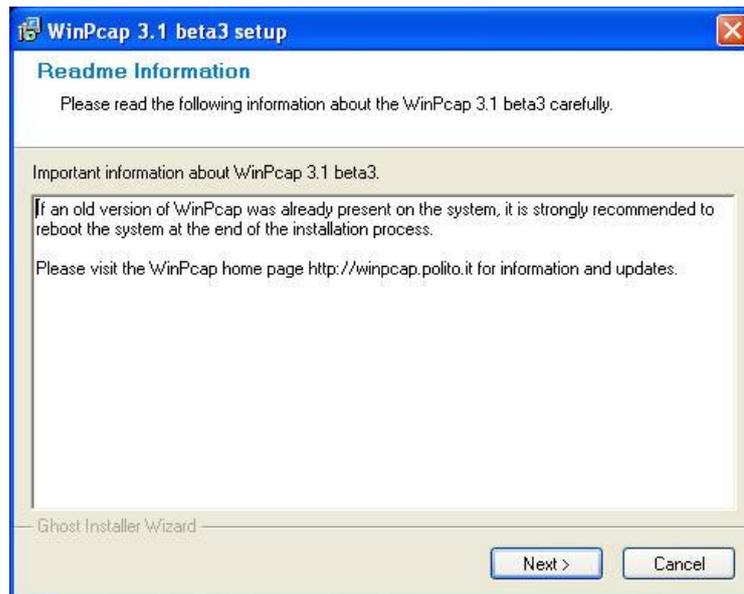
- Wait while the **.NET Framework** is installed. A message explaining that the framework installation procedure will take a while will appear.



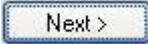
6. Click the  button to install the MODAC.

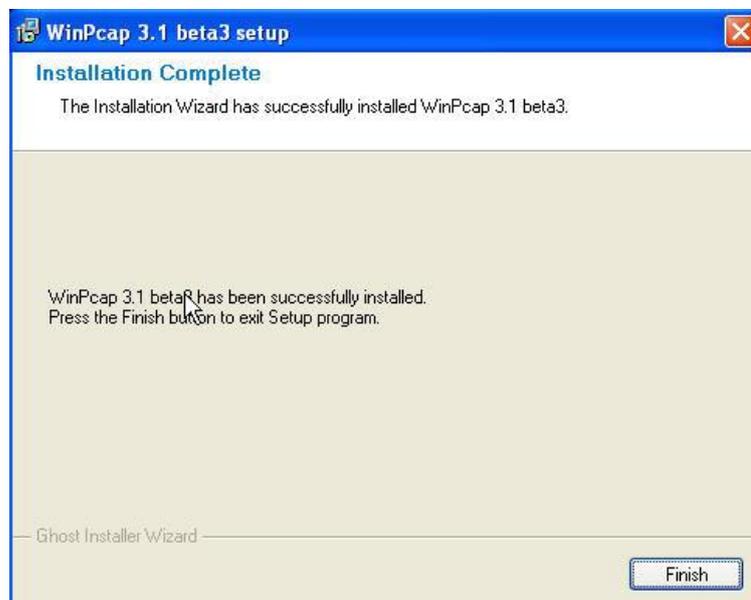


7. Select the checkbox as shown above if you agree to the terms of the agreement.
8. Click the  button.

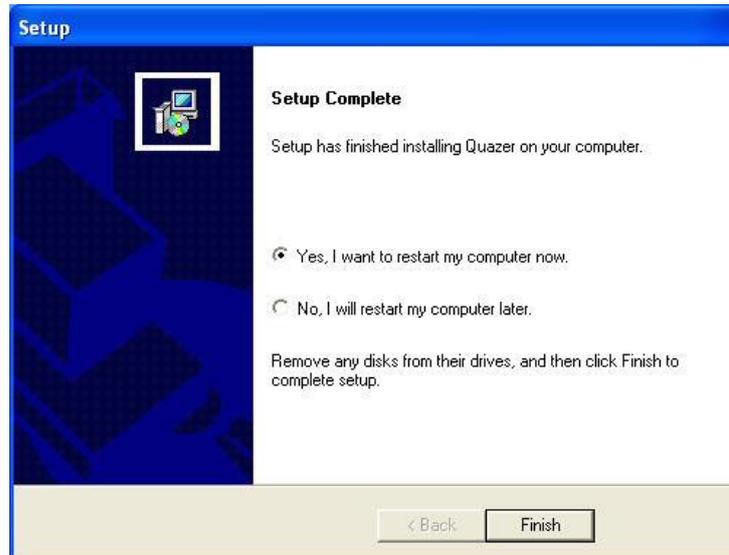
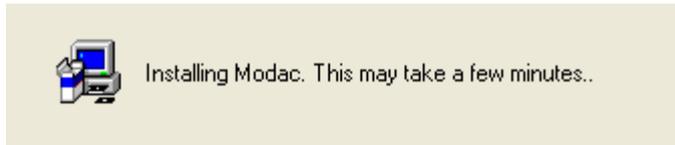


A warning message is displayed.

9. Click the  button.



10. Click the  button.
The message explaining that the MODAC installation procedure will take a while will appear.



11. Click the  button to restart the computer.

Two icons are now added on the Desktop, they are|:



used as shortcut to load the Quazer control program.



used as a shortcut for loading the MODAC configurator.

LOADING THE MODAC

Note: Do this chapter for new installations only

Setting the MODAC IP Address

Before we can configure the MODAC we must first set the IP address.

1. Open the **MODAC Local Area Connection** window.
 - a. Click the  button.



OR:

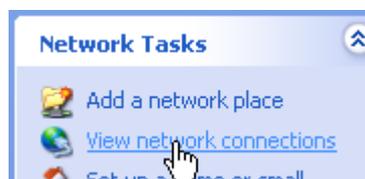
Right click the icon of network places



Click on the Properties:



- b. Click **My Network Places**.

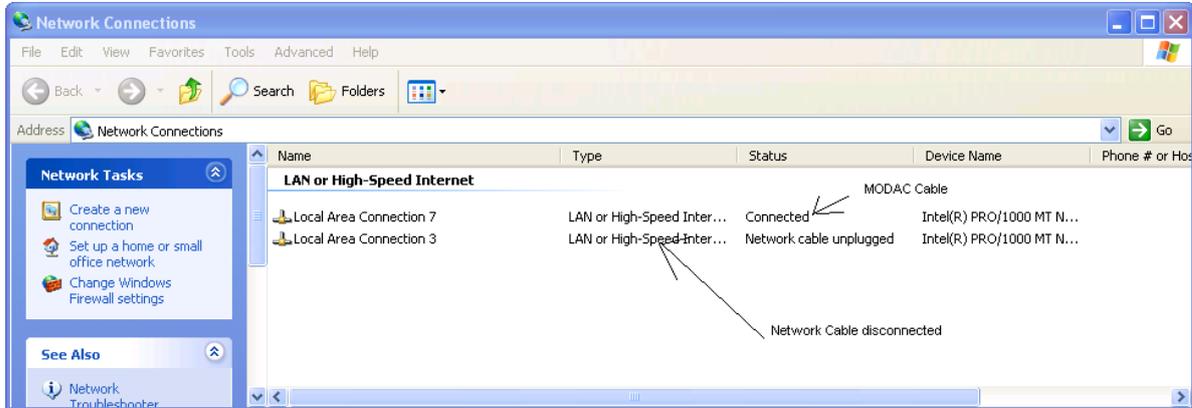


c. Click **View network connections**.

d. Disconnect the NetWork cable from the back of the PC.

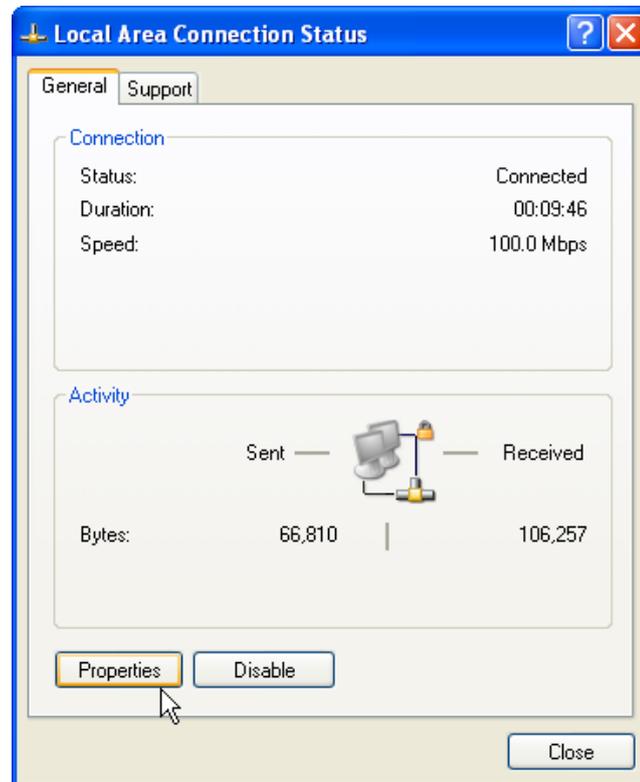
That will help you to identify the Modac Connection

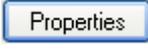
After that reconnect it.

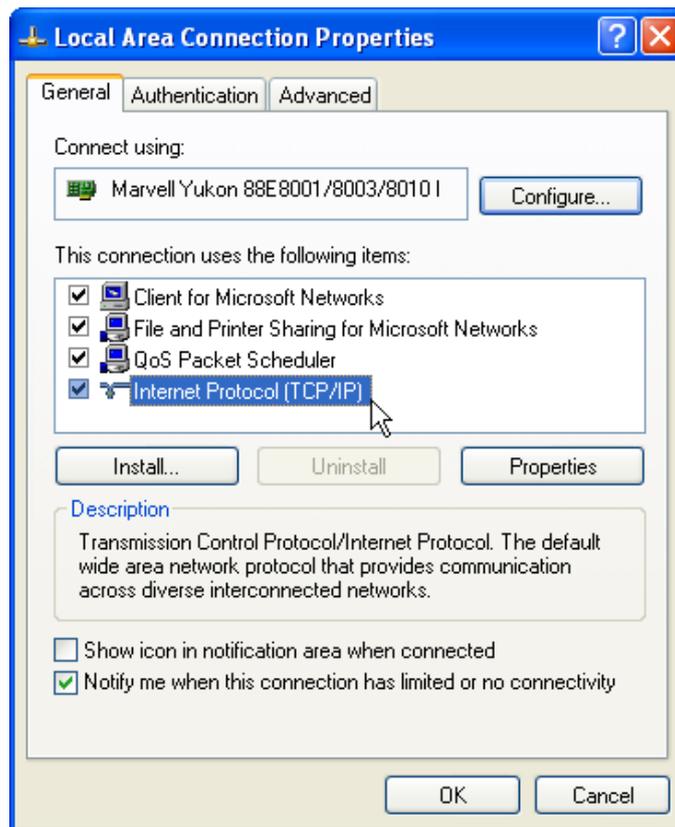


Double-click the **MODAC** connection icon.

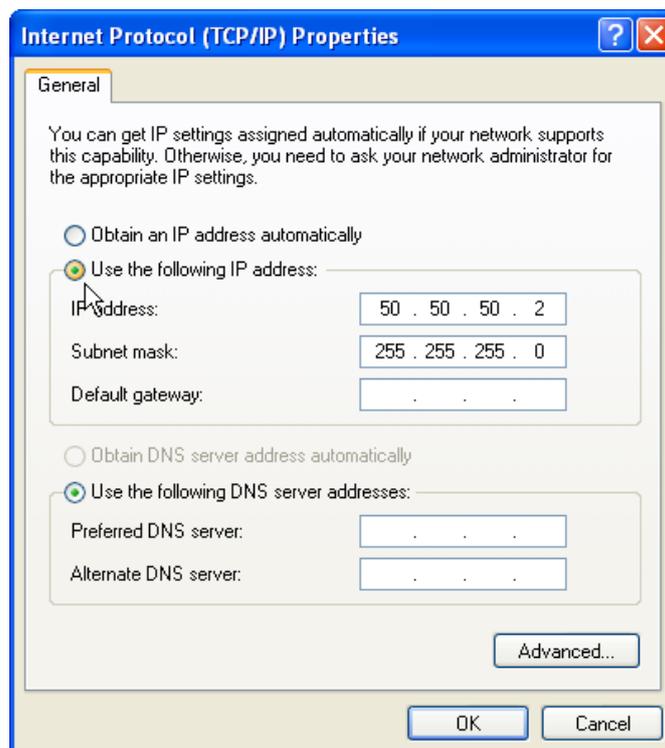
If you are not sure, ask your system administrator.



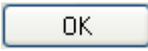
- Click the  button.



- Select **Internet Protocol (TCP/IP)**.
- Click the  button.



- Select the **Use the following IP address** radio button.

6. Enter an **IP address** of **50.50.50.2** and a **Subnet mask** of **255.255.255.0** in the IP address fields.
7. Click the  button.

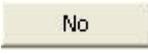
The MODAC now is set with the correct IP address.

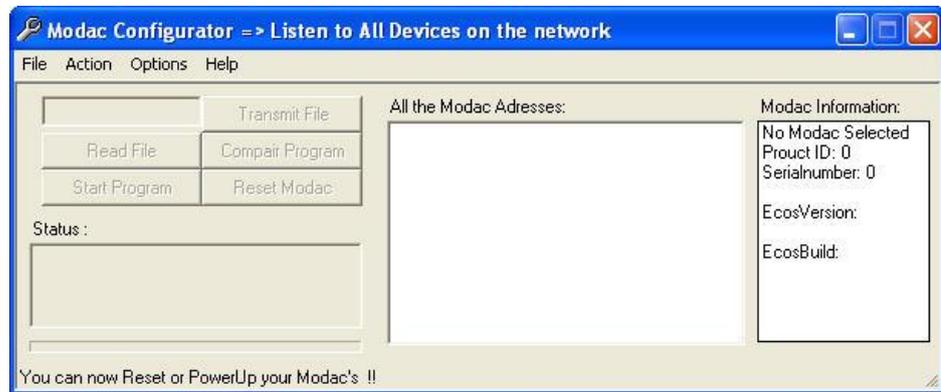
Configuring the MODAC

1. On the desktop, click the  icon.



A MODAC Configurator message is displayed.

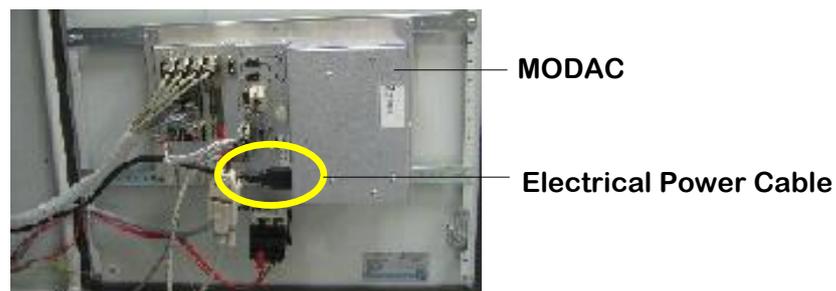
2. Click the  button.



The **MODAC Configurator** screen opens with no addresses listed.

3. Reset the MODAC.

The MODAC is located on the inside of the Electricity box door as shown below.



To reset the MODAC unplug, the electrical power cable and then re-plug it again.

- Wait for the MODAC to register its address.



The MODAC address is now listed as shown above.

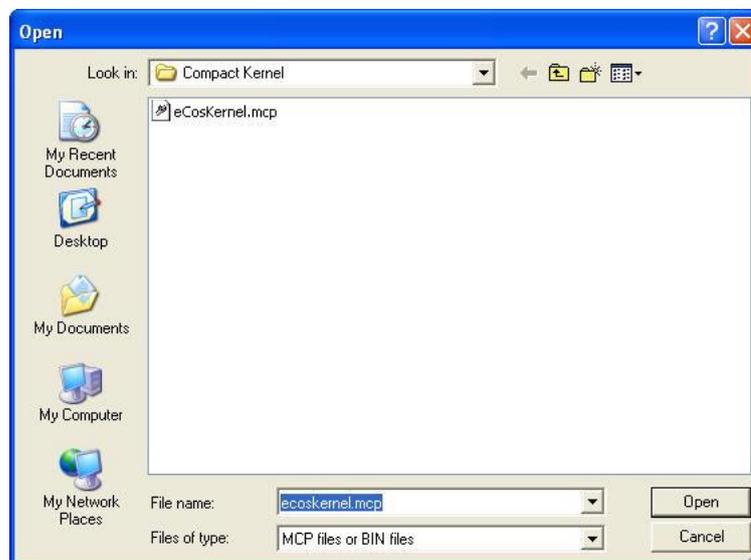
- A status of **File Identical** is returned.

If this status is not returned start again from step 1.

- In the **All the MODAC Addresses** pane, click the IP address.
- Ensure that a status of **Connection MODAC OK** is returned.



- Click the **Transmit File** button.

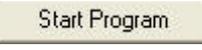


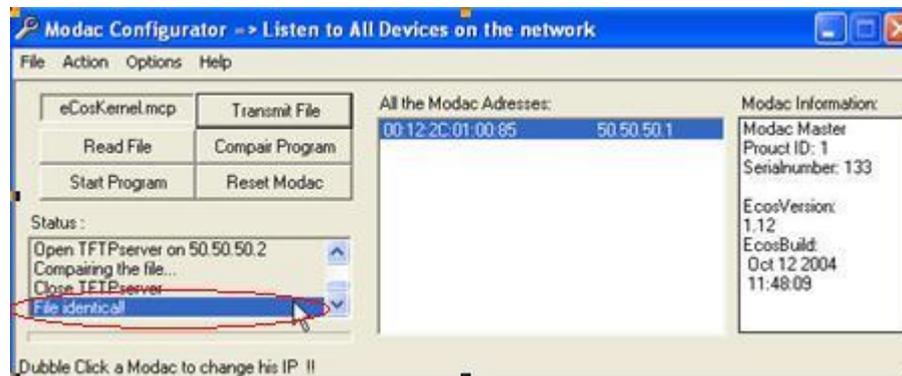
The **Open** file window opens.

9. Select the **eCosKernel.mcp** file.
10. Click the  button.



The file is transmitted to the MODAC erasing all old program files.

11. When the loaded file is identical click the  button.



12. Open the folder; C:\Program Files\Sarin Technologies\Quazer.
13. Double-click the file; **PLChandlerRegistryUpdate.exe**.



14. Select the **PlcHandler** checkbox as shown above.

The MODAC IP address must be as shown above.

15. Click the  button.
16. Close the **Registry Updater** window.



- On the desktop, click the Quazer 1.1 icon.

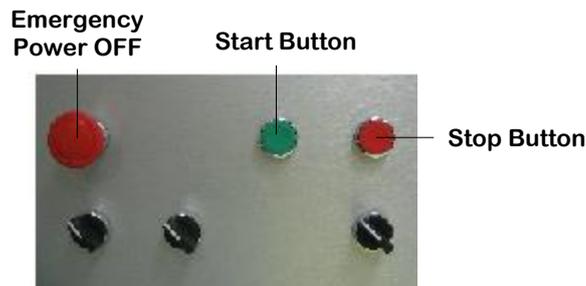
The Quazer control program loads unless one or more of the files in the **Compact** folder have changed. If one of these files were changed a message is displayed **The Plc Does Not Match**. If this is the case do the following steps:

- Shut down the application and the PC.
- Switch off the main power on the electrical cabinet, wait few seconds and switch it on again.
- Turn on the PC
- Repeat step 17.

Resetting the PLC

- When the message **The Plc Does Not Match** is displayed, click the button.

A message is displayed; **Please Stop the Machine.**



- Press the **Red** stop button.
- Click the button.
- A message is displayed; **Reset MODAC.**
See the step, **Reset the MODAC** on page 10.
- Wait 10 seconds.
- Click the button.
- Press the Green button to restart the machine.