



# NMC EMAIL PLUGIN GUIDE 2.3

## Introduction

The NMC Email plugin is designed to run alongside NMCnet on a Windows PC connected to an NMC controller. When configured, alarms received by NMCnet will be transmitted by the plugin via email or SMS to a list of recipients.

## Requirements

- Windows XP or newer (32 or 64 bit)
- A Windows user account with administrator privileges
- Internet access
- NMC-Net 4.05.01 or newer
- NMC Junior, DC, or PRO controller

## Installation

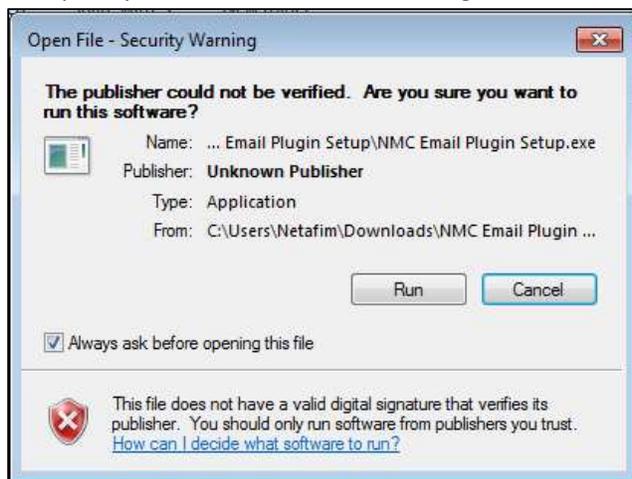
1. Extract the files from the **NMC Email Plugin Setup.zip** file



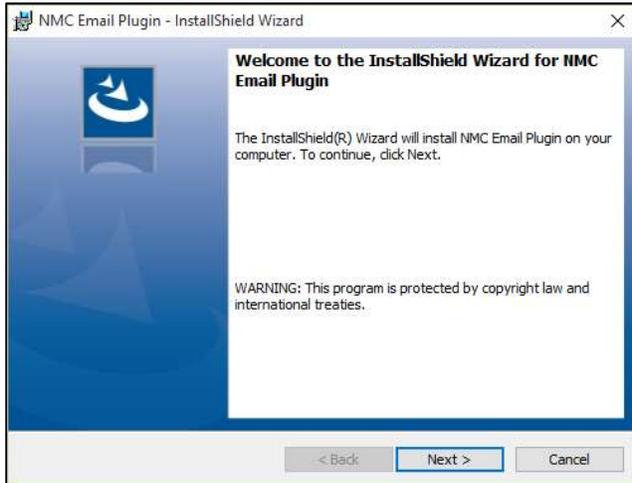
2. Open the **NMC Email Plugin Setup.exe** file



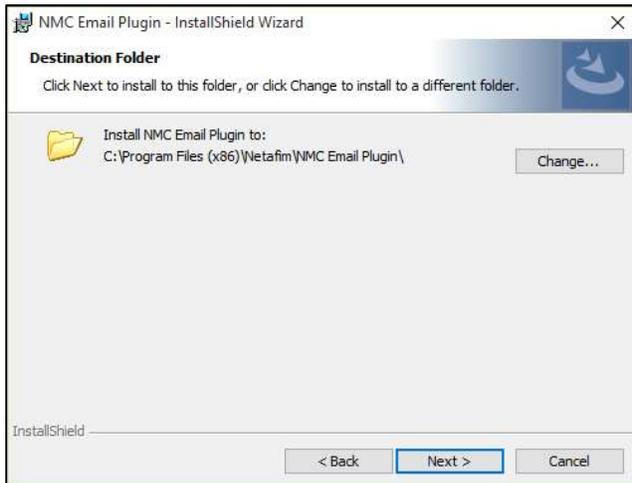
3. Accept any *Unknown Publisher* warning



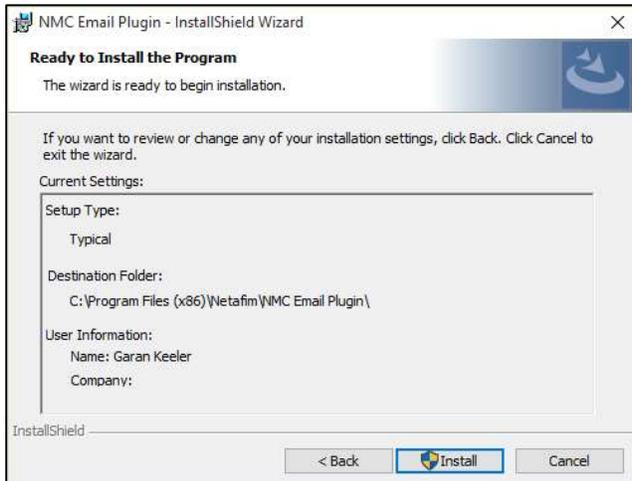
4. Click **Next**



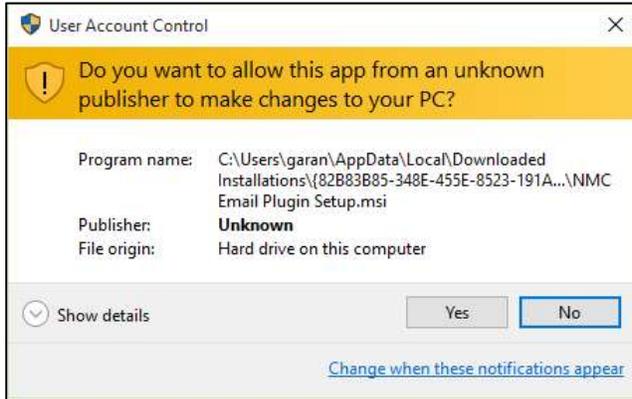
5. Accept or change the default installation path and click **Next**.



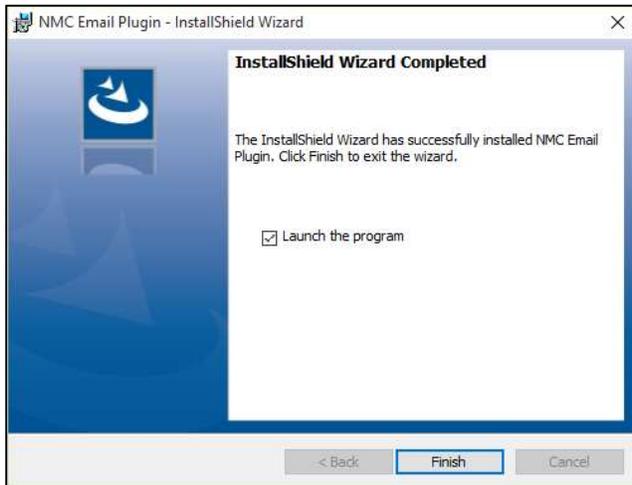
6. Click **Install**



7. Click **Yes** on the User Account Control prompt



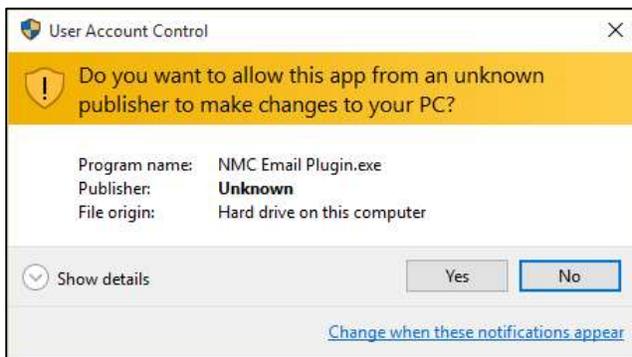
8. Accept or uncheck the *Launch the program* box and click **Finish**



9. The installer created an icon on the desktop and a program group in the Start menu.



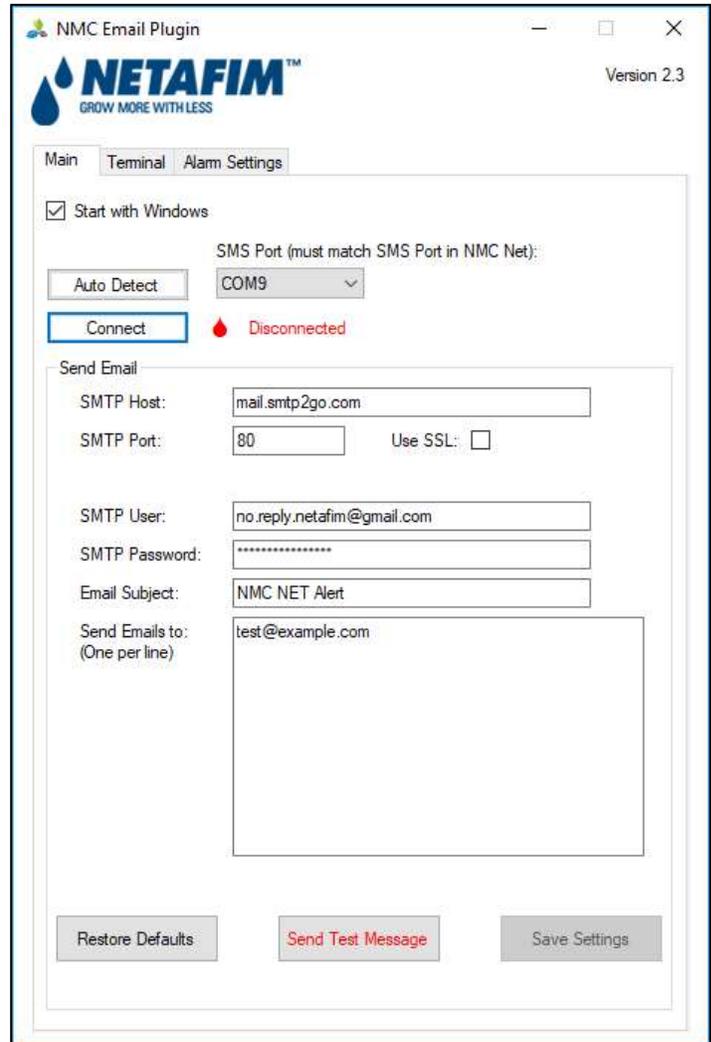
10. If you left *Launch the program* checked, click **Yes** on the User Account Control prompt and the program will start.



## Plugin Configuration

The image at right shows the default configuration of the NMC Email Plugin. By default it is configured to use a Gmail account maintained by Netafim. You may use this account or create one of your own.

1. **Start with Windows** – this option creates a scheduled task that starts the plugin when the current user logs in.
2. **Auto Detect** – refreshes the list of available COM ports on the computer.
3. **SMS Port** – lists available COM ports (1 through 9), select one from the list. You will need to use this same COM port in the *SMS Setting* screen in NMCnet.
4. **Connect** – click to create the virtual COM port (selected in SMS Port) and enable the plugin.
5. **Water Drop** – is red when disconnected, green when connected.
6. **SMTP Host** – the IP address or hostname of an SMTP server.
7. **SMTP Port** – the TCP port of an SMTP server.
8. **Use SSL** – whether encryption should be used or not.
9. **SMTP User** – the username used to connect to the SMTP Host.
10. **SMTP Password** – the password used to connect to the SMTP Host.
11. **Email Subject** – the subject line you’d like to see in your emails.
12. **Send Emails to** – is a list of email addresses (one per line) that you would like to deliver alerts to.
13. **Restore Defaults** - restores the plugin to factory defaults.
14. **Send Test Message** – sends a test message to each email address in the list (Send Emails to).
15. **Save Settings** – writes your changes to memory.



In addition to standard email addresses, you can send emails to SMS users. Replace <10 digit #> with the desired SMS number (e.g. 5551234567@carrier.net). Standard text message rates and data fees apply.

Carrier	Address Format
AT&T	<10 digit #>@txt.att.net
Sprint	<10 digit #>@messaging.sprintpcs.com
T-Mobile	<10 digit #>@tmomail.net
Verizon	<10 digit #>@vtext.com

If your cellular phone carrier isn't listed above you can probably find their address at <http://www.emailtextmessages.com>. Netafim does not guarantee the completeness or accuracy of this site.

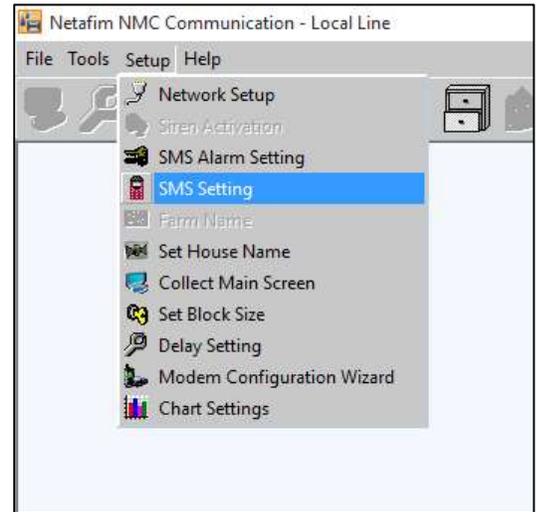
## NMCnet Configuration

After you have configured and **connected** the plugin, you need to configure NMCnet to send SMS messages to the plugin.

1. Start NMCnet



2. Click Setup > SMS Setting



3. Check the **SMS Active** box

4. Type **"Email plugin"** into row No. 1

5. Check the **Active** box on row No. 1

6. Select a reminder value in the **Send Alarm SMS Every** box, we recommend 12 Hours. Active alarms will be repeated at this interval until resolved or reset.

7. Optional – Enable SMS test at a given time during the day (24:00 time). This will send a test message every day at the given time to ensure that NMCnet is communicating with the plugin.

8. Ignore the modem settings.

9. Click **OK**

10. It can take a few minutes for NMCnet to start sending messages.

**SMS Setting**

This SMS feature must be used only as a secondary alarm system. It solely depends on the PC which might fail regardless to Netafim program and therefore cannot be trusted for alarm purposes.

**SMS Active** In order to Activate SMS Modem Settings , SMS Active must be disable.

**Setting**

**Send Info**

No.	Name	Phone Number	Active
1	Email plugin		<input checked="" type="checkbox"/>
2			<input type="checkbox"/>
3			<input type="checkbox"/>
4			<input type="checkbox"/>
5			<input type="checkbox"/>
6			<input type="checkbox"/>
7			<input type="checkbox"/>
8			<input type="checkbox"/>
9			<input type="checkbox"/>
10			<input type="checkbox"/>

**SMS Modem Settings**

Modem Brand:

Connect using:

Baud Rate:

**Send Alarm SMS Every**

**SMS Test**

Active At:

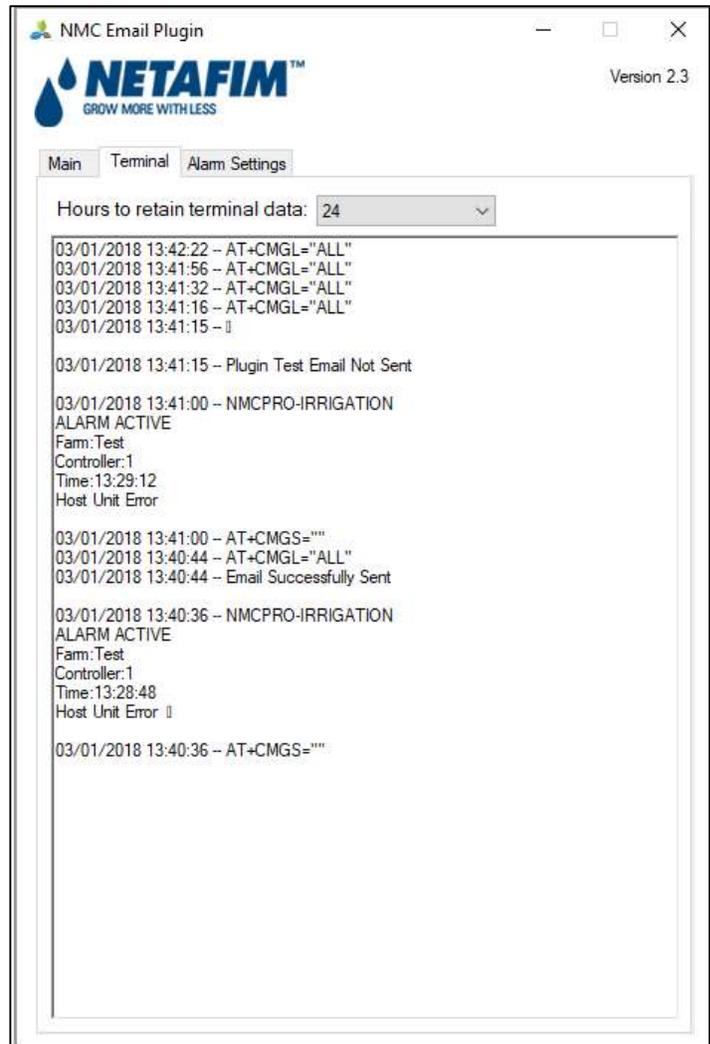
## Troubleshooting

In the event that the plugin fails to operate, there are two mechanisms to help you identify the problem. A COM port terminal and an error log.

The Terminal tab shows a live view into the SMS feed from NMCnet to the Email plugin. New messages are timestamped and appear at the top of the screen, older messages at the bottom. You can select the amount of data to retain by using the dropdown list at the top of the tab.

Below are the most common problems experienced with the plugin...

- **Can't send test messages.** A firewall on the PC or network blocking access to the desired SMTP port. If your network administrator is unwilling to allow outbound connections to your SMTP port, ask if they have an internal SMTP relay that can be used.
- **No communication between NMCnet and the Email Plugin.** NMCnet's SMS module will not work with COM ports higher than COM 9. Please use a port in the range of COM 1 to COM 9. You may need to readdress other devices.
- **Can't start the NMC plugin or create the virtual COM port.** The plugin requires administrative permissions to start so that it can create the virtual COM port. You must install and run the plugin with administrative credentials.



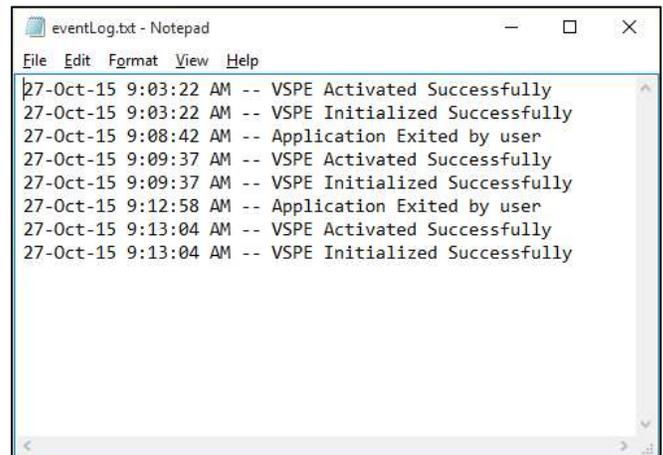
In addition to the terminal tab, a log file is kept in the program's installation directory. The log file will retain 3 days of data. You can email this log file to Netafim for analysis. The default path is...

### 32-bit

C:\Program Files\Netafim\NMC Email Plugin\eventLog.txt

### 64-bit

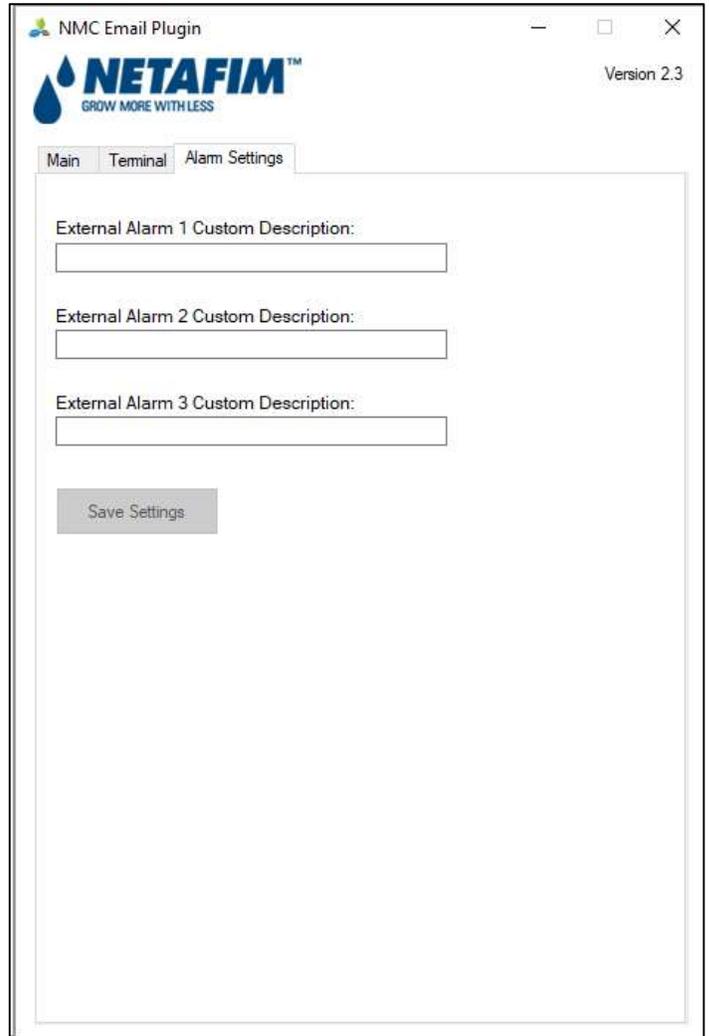
C:\Program Files (x86)\Netafim\NMC Email Plugin\eventLog.txt



## Alarm Settings

The NMC controllers have a digital input function called External Alarm. When this input is triggered, an “External Alarm” event is raised and the Email Plugin will forward it to the email recipients. You may use the Custom Description fields on this tab to replace the default text of “External Alarm” with something more meaningful.

For example if you had a door switch on your filter station connected to the NMC controller’s digital input card, defined as External Alarm 1, you could set the custom description to “Filter Station Door Open”.



The screenshot shows the "NMC Email Plugin" window with the "Alarm Settings" tab selected. The window title bar includes "NMC Email Plugin" and "Version 2.3". The interface features three tabs: "Main", "Terminal", and "Alarm Settings". Below the tabs, there are three text input fields for custom descriptions:

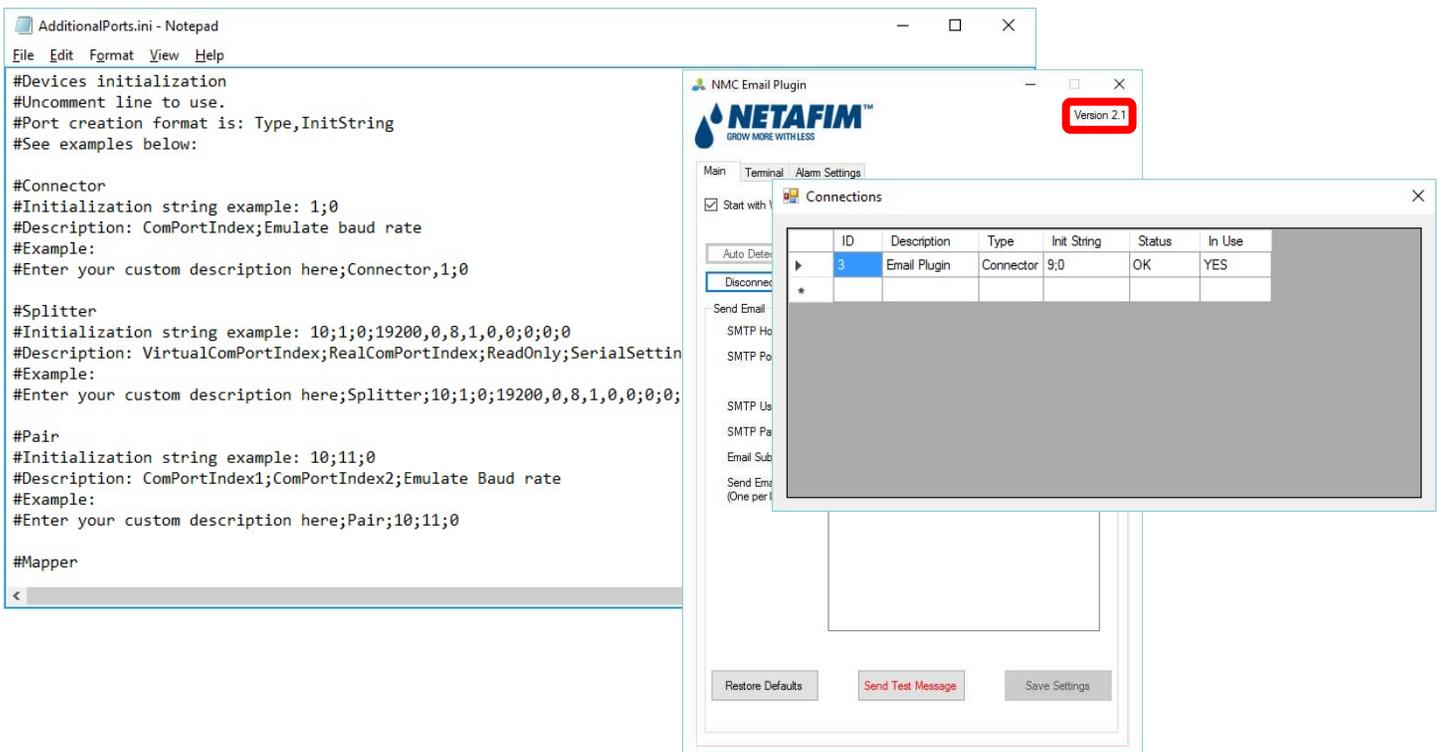
- External Alarm 1 Custom Description:
- External Alarm 2 Custom Description:
- External Alarm 3 Custom Description:

A "Save Settings" button is located at the bottom of the form area.

## AdditionalPorts.ini

This feature was added to allow a Netafim representative to create additional COM port devices to support other NMC products. The file is located in the NMC Email Plugin installation directory. The file is read when the Plugin starts and will create any ports defined. Clicking the **Version** text in the top right corner of the plugin will display all the COM ports created by the Plugin. The file has comments detailing the different ports that can be created.

For example, you could connect a uManage rLink unit to an available COM port on a PC running the Email Plugin and use the AdditionalPorts.ini file to map it to the uManage server. This would allow you to share an internet connection for both NMCnet and uManage, eliminating the need to use a cell modem on the rLink unit.



After connecting the rLink unit to a COM port on the PC, use the below string in the AdditionalPorts.ini file to map the rLink to the uManage server. Replace the red question mark with the COM port number that the rLink is connected to (e.g. 1, 2, 3, etc.).

rLink to uManage;TcpClient;192.118.88.55;23012;?;38400,0,8,1,0,-1;1;0;;0;0

