

UCEmailer – V1.000

UCEmailer is a plugin written to send an email upon a triggering event. There are several different events that can be selected and tailored, and each event can have a custom message to send.

In addition, most cellular companies have email addresses to which an email is converted to a text message, and can be sent to your phone as a text. This plugin contains a list of most carriers. For example, if your phone is on ATT service, the address would be 123-456-7890@mms.att.net (except for using your real phone number that is on ATT service.).

I'll state this up front, the email server info such as login and password are not encrypted, they are saved as plain text in the probecloud.xml settings file, and if you use a Gmail account, you will have to set your account to allow 'Less Secure' Apps to allow messages to send by Gmail. I recommend setting up a spare 'junk' email account to use with this feature.

The screenshot shows the 'UCEmailer' application window with the 'Setup' tab selected. The window is divided into two main sections. The left section, titled 'Email Settings', contains a checkbox for 'Enable sending email / text messages?' which is checked. Below this are input fields for 'Sender's Mail Server' (containing 'smtp.gmail.com or whatever your server is...'), 'SMTP Account Login' (containing 'your_login@youremail.com'), 'SMTP Account Password' (masked with dots), and 'SSL Port (587 or 465 typical)' (containing '587'). A note at the bottom of this section states: 'Note: Information entered here is NOT encrypted, and will be saved as plain text in the settings.xml file! Use only if you are OK with that. Also note, GMail accounts will need setting for less secure app turned on in your account settings.' The right section, titled 'Recipient Information to send Text Message or Email', contains input fields for 'Recipient's ten digit phone number' (containing '123456789') and 'Recipient's Cellular Carrier' (a dropdown menu showing '@vtext.com'). Below these is a button labeled 'Set TextMsg Address to email address'. Further down is a 'To Address (email or text)' field containing '123456789@vtext.com', a 'Subject Line' field containing 'test', and a 'Message Text (140 characters max)' text area containing 'test'. At the bottom of the right section is a 'Send Test Msg' button and a descriptive text: 'This button will send a test message of the text entered in above subject/message boxes. Automatic messages will be sent during probing if setup correctly and enabled'. At the very bottom of the window, there is a 'save settings' button on the left, a checkbox for 'Auto enable emailing with 'Cycle Start'' which is unchecked, and a red 'Click to enable' button on the right.

Enable sending email/text msg	Checkbox enables/disables allowing sending of messages. If unchecked, this will disable the plugin sending completely, even if auto enable should activate
Senders mail server	This is the SMTP server to send through, something like smtp.gmail.com (depends on your account you want to use)
SMTP account Login	This is the account, typically same as your email address you are using account from
SMTP Account Password	This is the password for your email account
SSL Port	This is the Port for the email server. I've found 587 or 465 to be

Recipients ten digit phone number	typical for non-secure use This plugin only sends email; however, you may have the ability to send yourself a text via your cellular provider supplying a proper email address to route through. If you have this info, put your phone number here
Recipients Cellular Carrier	This pull down has a number of canned cellular provider email addresses to use with your cell number. If none are familiar, you'll have to check with your cell provider. For me, I have TMobile, so the pull down I use is @tmomail.net. Press the button to automatically set the 'To Address' box with the phone number and the carrier info
To Address (email or text)	This is the email address to send all messages to. It can be a standard email address, or it can be a phone number w/ carrier address (for example, 8881234567@tmomail.net
Subject Line & Message text	Enter some text here; it is ONLY used during the sending of 'Test Msg' button.
Send Test Msg	This sends the 'test message' only. You'll either get a 'success' message if sent, or some error information which means something relative to your server settings/login is incorrect.

UC_Emailer

Emailer

Setup

About

Subject (for all messages):

Time delay (seconds) for cycle start and stop triggering

Send Emails For Following Selections:

UCCNC Events

☒ Limit Switch Hit

☒ Estop/Reset

☒ Finished (Cycle done)

Message to send (for each event):

User defined LEDs to trigger from

	LED Number (to monitor)	Trigger When:	Message to send (for each event):
<input checked="" type="checkbox"/> User Selected UCCNC LED 1	90	LED ON	Trigger on LED 90 (Port#3, Pin #5 went high)
<input checked="" type="checkbox"/> User Selected UCCNC LED 2	92	LED OFF	Trigger on LED 92 (Port#3, Pin #7 went low)
<input type="checkbox"/> User Selected UCCNC LED 3		LED ON	
<input type="checkbox"/> User Selected UCCNC LED 4		LED OFF	
<input type="checkbox"/> User Selected UCCNC LED 5		LED ON	

☒ Auto enable emailing with 'Cycle Start'?

The main 'emailer' tab allows for configuring of what events to send an email notification, and allows a custom message for each event, and uses a common subject for all messages sent (ie, put what machine is sending the message in the subject text box). The time delay is used for when 'auto enable with cycle start' is checked. After a delay of this length, if the sending is disabled, it will auto-enable after this many seconds of program run time.

Once you have everything setup, save settings creates a UCEmailer.xml file with the settings in the plugin folder.

Thanks for checking out this plugin!

Eric Brust

Questions/comments/feedback: eabrust@craftycnc.com

