

## How to Setup Email Notifications on ControlByWeb™ products

### Tutorial Details

Product Demonstrated: X-301

Estimated Completion Time: 15 minutes

## Getting the Message

ControlByWeb products can generate email messages, notifying the end user that a monitored action has just occurred. If you have not set this feature up, or have set it up incorrectly, you will not receive email notifications.

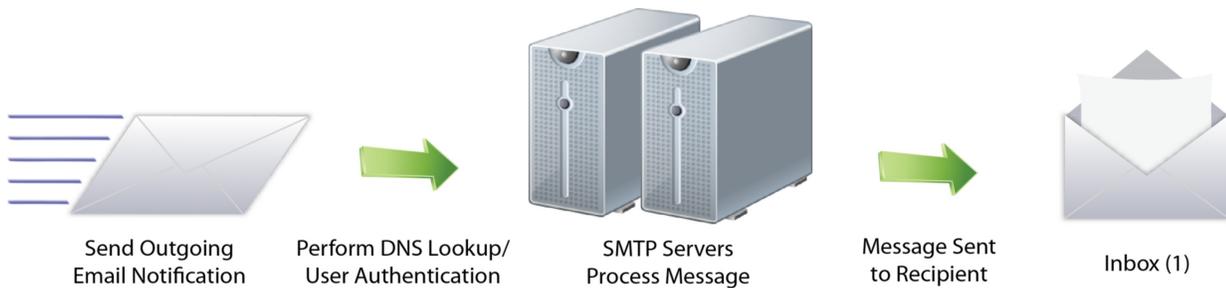
Below is a short tutorial explaining key terms such as SMTP, server port, DNS, and so forth. It also walks through some basic steps on how to obtain this information.

## ABC...123...SMTP???

Many of us send emails everyday? We send them from home, school or work, using a PC, or smartphone. But do we know what really goes on when we hit send?

When you compose an email and press the send button, lets take a look at what is going on:

- When you hit the send button, your email client (Outlook, Eudora, Apple Mail, Thunderbird) will use the DNS (Domain Name Server) to lookup the IP address of the outgoing mail server, also known as the SMTP (Simple Mail Transfer Protocol) Server. Your username and password (if required) will be used for user authentication
- Once a connection to the SMTP Server has been established, your email client send the email message on port 25. You can think of a port as a "door" into the server, if you send it to the wrong door you won't get an answer.
- Your SMTP Server communicates with the recipient's SMTP server, passes off the email message, which is then transferred to the proper recipient's inbox.



## EMAIL CLIENT OPERATIONS

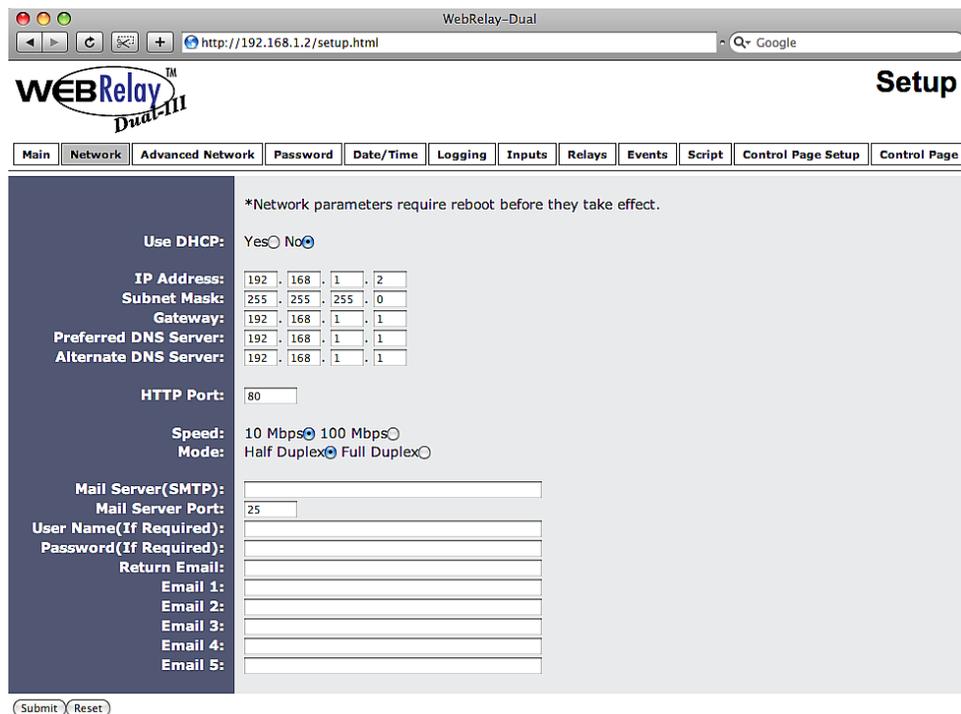
In order for the X-301 to send an email, the proper email settings will need to be configured. Once setup, the X-301 will act similar to your email client.

**Fill in the \_\_\_\_\_**

Now that we know the basics, lets take a look at where we enter these settings, and how we can find them in order to send email notifications using a ControlByWeb product.

Note: ControlByWeb products do not support SSL encryption (as found in most free email accounts such as Gmail, Hotmail, Yahoo!) ensure that the SMTP server you plan to use does not use SSL encryption. Contact your ISP or Network Administrator for more information on non-encrypted SMTP servers.

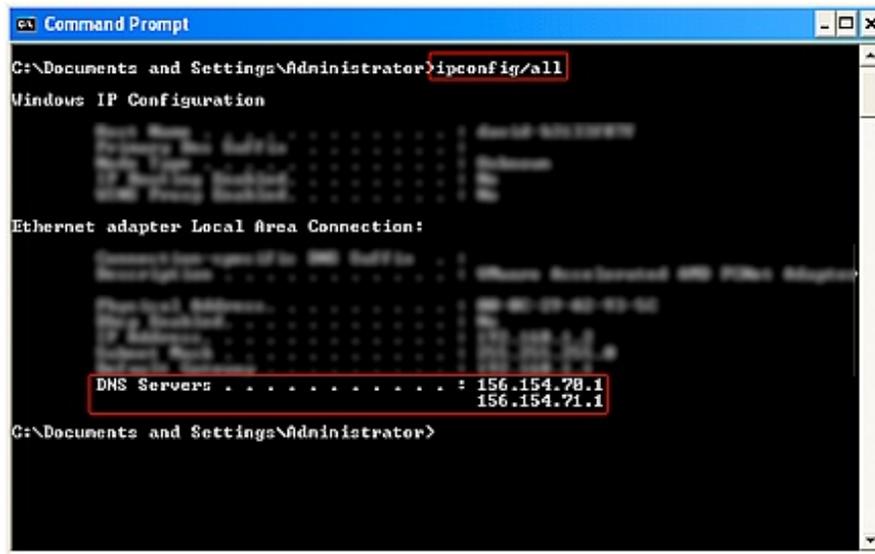
When you access your X-301 (or any ControlByWeb product), you will see a series of tabs at the top. Click on the Network tab, shown below.



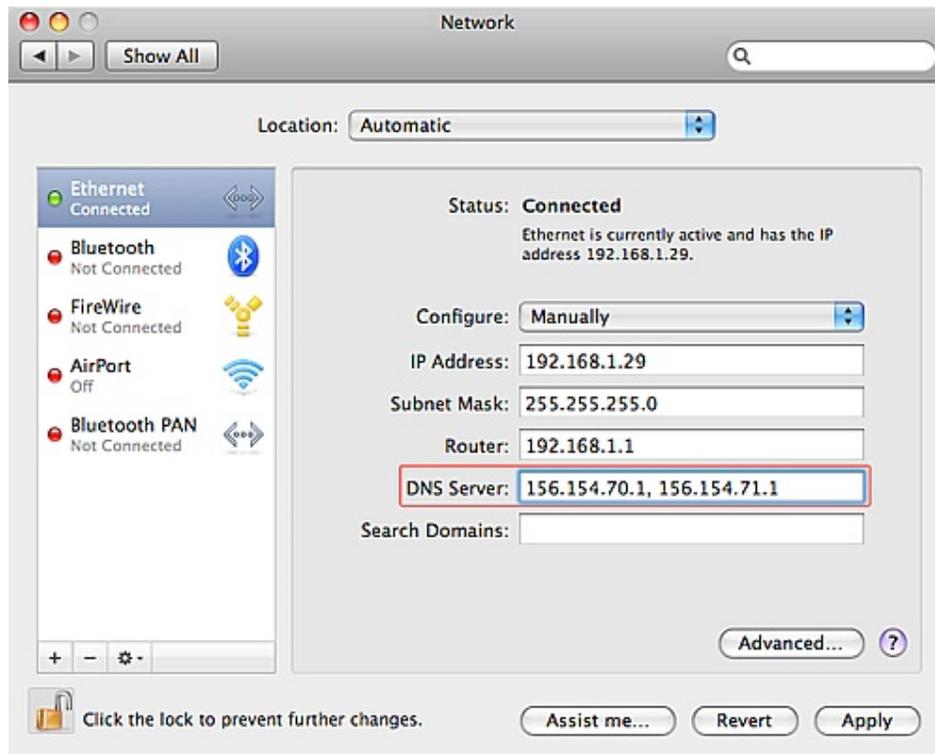
Now all that needs to be done is enter the required email settings. Below demonstrates where they can be found, and alternate methods of obtaining them.

## Preferred DNS Server / Alternate DNS Server

If you are using Windows, open the command prompt, and type ipconfig/all, then look for the DNS entry. You should be able to use this in the preferred and alternate DNS server fields



If you are using a Mac, go to System Preferences > Network



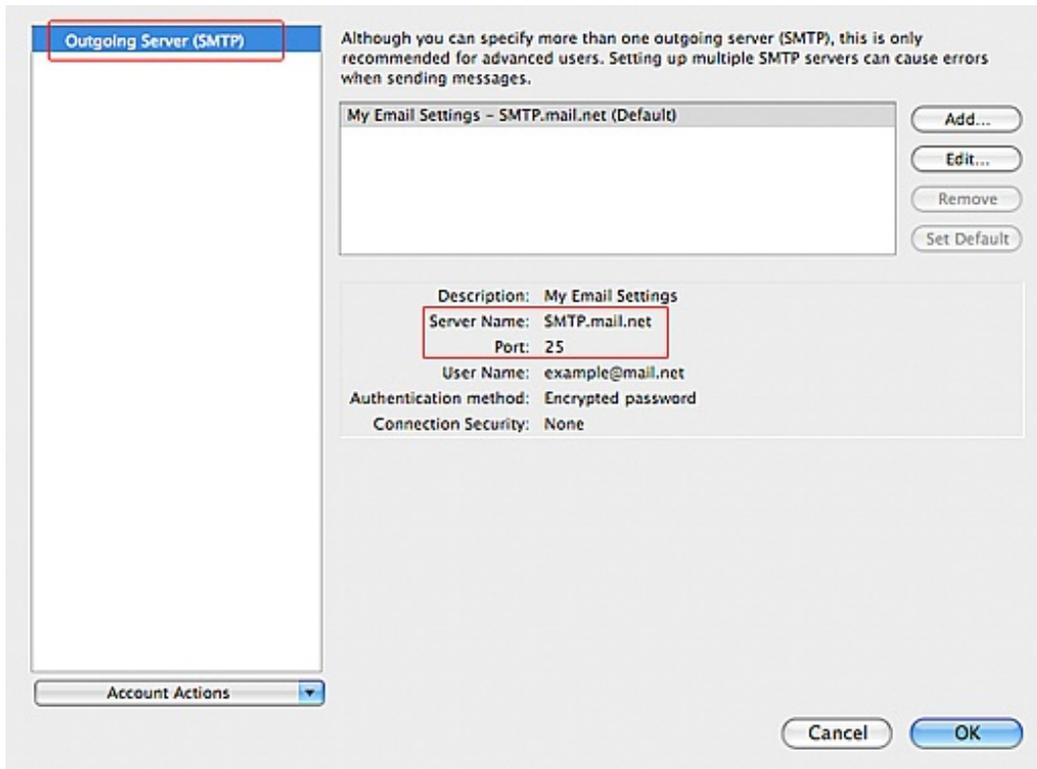
*Alternate Method:*

*Use a Public DNS sever such as Google's Public DNS.*

*Preferred: 8.8.8.8. Alternate: 8.8.4.4*

## Mail Server / Mail Server Port

If you are not sure what the name of your mail server is, you can obtain it from your ISP or Network Administrator.



### *Alternate Method:*

*If you already use an email client such as Outlook or Thunderbird. Look for the Outgoing Mail server under Tools > Account Settings*

## Username / Password

If a username and password is required by the SMTP server, you can obtain this informations from your ISP or Network Administrator.

### *Alternate Method:*

*If you already use an email client such as Outlook or Thunderbird. Look for SMTP Authentication Username and Password under Tools > Account Settings*

*Note: Some email clients will not display the password*

## Return Email

ControlByWeb products cannot receive emails, but you can specify an email as a return email incase a message is returned, or incase the SMTP server requires a return email for spam protection.

## Email 1 - 5

Enter the email addresses of up to five email recipients of your choice.

## Does it Work?

Once you have successfully submitted the settings, you can send a test email to ensure your settings are correct. To do so, open your web browser, and type the following:

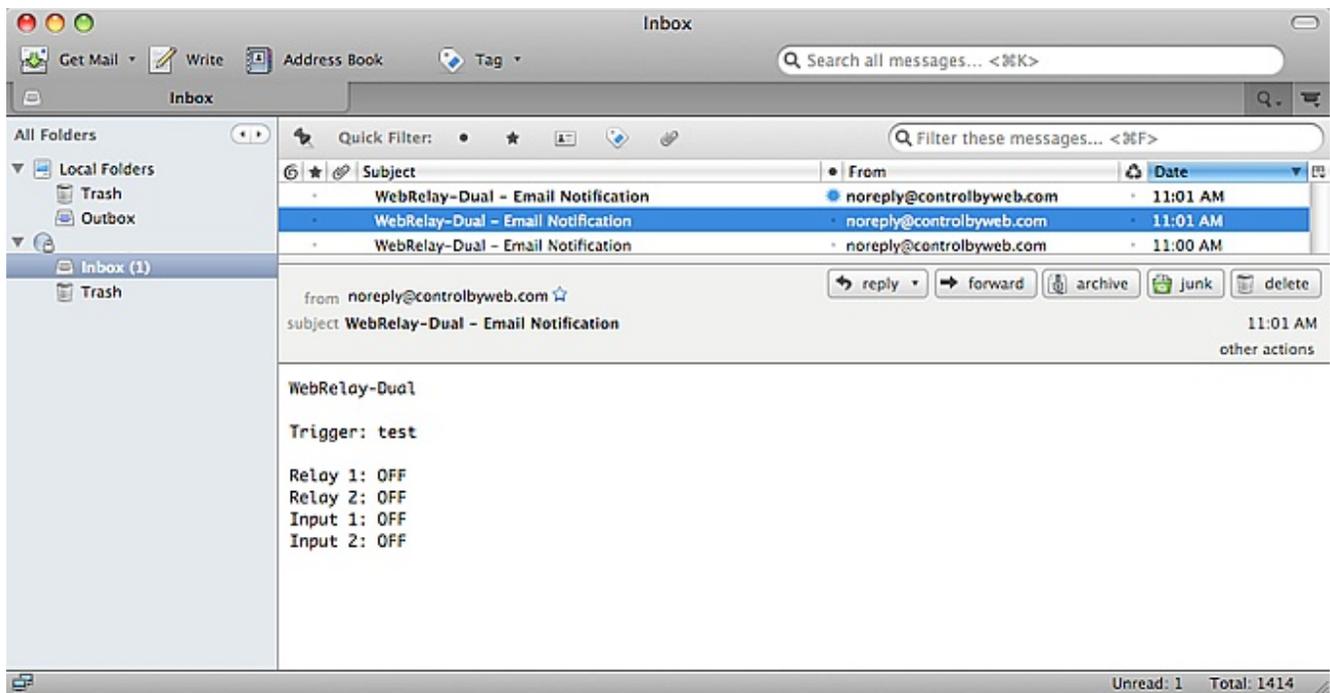
```
http://IP_Address/state.xml?testEmail=1
```

Replace IP\_Address with the current IP address assigned to the X-301.

Example: <http://192.168.1.2/state.xml?testEmail=1>

*Note: The testEmail command is only supported on the following products: X-300™, X-301™, WebRelay-10 Plus™, WebSwitch Plus™, Five-Input Module, Analog Module, Temperature Module.*

If your device does not support the *testEmail* command, you can manually trigger the email.



If you do not receive an email, you can check the system log file in order to get some insight as to what might be happening. To access the system log type the following address:

```
http://IP_Address/syslog.txt
```

Replace IP\_Address with the current IP address assigned to the X-301.

Example: <http://192.168.1.2/syslog.txt>

At the bottom of the log file, you might see one of the following errors:

```
05/10/2011 10:06:32 92.0F, --.--, 4.5V EMAIL: Failed DNS Lookup.  
05/10/2011 10:10:02 92.0F, --.--, 4.5V EMAIL: Bad Username.  
05/10/2011 10:12:00 92.0F, --.--, 4.5V EMAIL: Bad Password.  
05/10/2011 10:13:15 92.0F, --.--, 4.5V EMAIL: Authentication Required.  
05/10/2011 10:17:42 92.0F, --.--, 4.5V EMAIL: No Response.
```

If you happen to get one of these errors, go back through and double check your settings, starting with the errors mentioned in your syslog file. If it still doesn't work, please feel free to send our support staff an email.

*Note: The `syslog.txt` command is only supported on the following products: X-300™, X-301™, WebRelay-10 Plus™, WebSwitch Plus™.*

## **Inbox (1)**

Once you've received the test email, you can configure your relays and inputs to send emails based on certain conditions, or state changes.

Congratulations, you have now successfully setup email notifications on a ControlByWeb product.