

Setting Up a free Microsoft Outlook / Hotmail Email Account for use with a Modulus

First go to outlook.live.com and setup a new free account.

1. Press the [Create free account] button
2. Enter the account name you want to use with this account and select @outlook or @hotmail
3. Enter a password
4. Enter your name, birth date, and create the account.

Enable two step verification

This is done from the Microsoft account system. Go to account.microsoft.com and select "Security" then select "More security options". This is the page that you will use to turn on Two-step verification. Once this is enabled then you can get a App Password.


Get an "App Password"

To create a new app password for your modulus, take the following steps. If you ever change your account password, you will need to regenerate the app password.

1. Go to the [Security basics](#) page and sign in to your Microsoft account.
2. Select **More security options**.
3. Under **App passwords**, select **Create a new app password**. A new app password is generated and appears on your screen.
4. Enter this app password in the modulus for the SMTP and POP3 Password.
5. At this point go back to your email program and delete all the junk emails

Enable POP3

You will need to enable POP access. This is done from the outlook.com email page.

1. Select **Settings**  > **View all Outlook settings** > **Mail** > **Sync email**.
2. Under **POP and IMAP**, select **Yes** under **Let devices and apps use POP**.
3. Select **Save**.

Modulus Setup

Go to the Communications | Email page. Fill out all of the fields using your username and the App password received above. Make sure the “STARTTLS” checkbox is checked as the Microsoft servers only support this type of SMTP. If you don’t need incoming requests, or Alarm ACK’s then the POP3 server can be left not setup. Make sure your gateway & DNS server are also setup.

Main	Local I/O	Module I/O	Registers	Communications	Alarming / Notification	HMIs	Programming	Special Functions	System			
Slave Status	Master Status	Ethernet	Bus	Ext. Cell	Email	FTP	MQTT	Satellite Server	Routing	Destinations	Events	Dynamic DNS

SMTP

Server Address	smtp.office365.com
Use Authentication	<input checked="" type="checkbox"/>
Account	<username>@outlook.com
User Name	<username>@outlook.com
Password	<App Password>
STARTTLS on Port 587 (Microsoft Servers)	<input checked="" type="checkbox"/>

POP3

Server Address	outlook.office365.com
User Name	<username>@outlook.com
Password	<App Password>
POP3 Test	<input type="button" value="POP3 Test"/>
Poll Time (M)	5
POP3 Alarm Poll Time (M)	1
Accept Only Known Contacts	<input type="checkbox"/>

Ethernet

Gateway	192.168.237.254
DNS Server IP	8.8.8.8
Reset	<input type="button" value="Reset"/>

Testing

To test that your email is setup properly you can send a test email from the email monitor. Go to the System | Monitor page. In the monitor Selector select “Email”. Enter a valid email (not the one we just setup) next to the [SMTP Test Email] button and try sending a test Email. You can also test the POP3 server by pressing the [POP3 Test] button.

If all goes well you should see something like this in the monitor:

```
16:48:24 Start-TLS-SMTP-STARTTLS
220 BY5PR17CA0067.outlook.office365.com Microsoft ESMTP MAIL Service ready at Fri, 14 Feb 2020 16:48:16 +0000
EHLO 192.168.237.195
250-BY5PR17CA0067.outlook.office365.com Hello [207.231.76.18]
250-SIZE 157286400
250-PIPELINING
250-DSN
250-ENHANCEDSTATUSCODES
250-STARTTLS
250-8BITMIME
250-BINARYMIME
250-CHUNKING
250-SMTPUTF8
STARTTLS
220 2.0.0 SMTP server ready
EHLO 192.168.237.195
250-BY5PR17CA0067.outlook.office365.com Hello [207.231.76.18]
250-SIZE 157286400
250-PIPELINING
250-DSN
250-ENHANCEDSTATUSCODES
```

250-AUTH LOGIN XOAUTH2
250-8BITMIME
250-BINARYMIME
250-CHUNKING
250 SMTPUTF8
AUTH LOGIN
334 VXNlcm5hbWU6
amtpbmRsZXkuaWNsQG91dGxvb2suY29t
334 UGFzc3dvcnQ6
ZnVjaGJibWJlaHlsZ2FIZw==
235 2.7.0 Authentication successful
MAIL FROM:<test.icl@outlook.com>
250 2.1.0 Sender OK
RCPT TO:<test@iclinks.com>
250 2.1.5 Recipient OK
DATA
354 Start mail input; end with <CRLF>.<CRLF>
From:"Modulus Outlook email Tester"<test.icl@outlook.com>
To:test@iclinks.com
Date:14 Feb 2020 16:48:28 +0000
Subject:Modulus Outlook email Tester - Test
X-mailer: ICL-JK
MIME-Version: 1.0
Content-Type: text/plain;charset=us-ascii
Content-Transfer-Encoding: 7bit
Model: 8x-1002
SN: 103662
Firmware: 1.03.10 B3869
IP : 192.168.237.195
.
250 2.0.0 OK <MWHPR06MB30718F0758ED65EBA48640C286150@MWHPR06MB3071.namprd06.prod.outlook.com>
[Hostname=MWHPR06MB3071.namprd06.prod.outlook.com]
QUIT
221 2.0.0 Service closing transmission channel
16:48:28 End-TLS-SMTP

16:48:43 Start-TLS-POP3
+OK The Microsoft Exchange POP3 service is ready.
[QgBZAEEAUABSADAANwBDAEEAMAAwADEANgAuAG4AYQBtAHAACgBkADAANwAuAHAACgBvAGQALgBvAHUAdABsAG8AbwBrAC4AYwBvAG0A]
USER test.icl@outlook.com
+OK
PASS fuchbbmbehylgaeg
+OK User successfully logged on.
STAT
+OK 0 0
QUIT
+OK Microsoft Exchange Server POP3 server signing off.
16:48:46 End-TLS-POP3