

POPAuto: Automation of Symphonie Data File Extraction from Emails

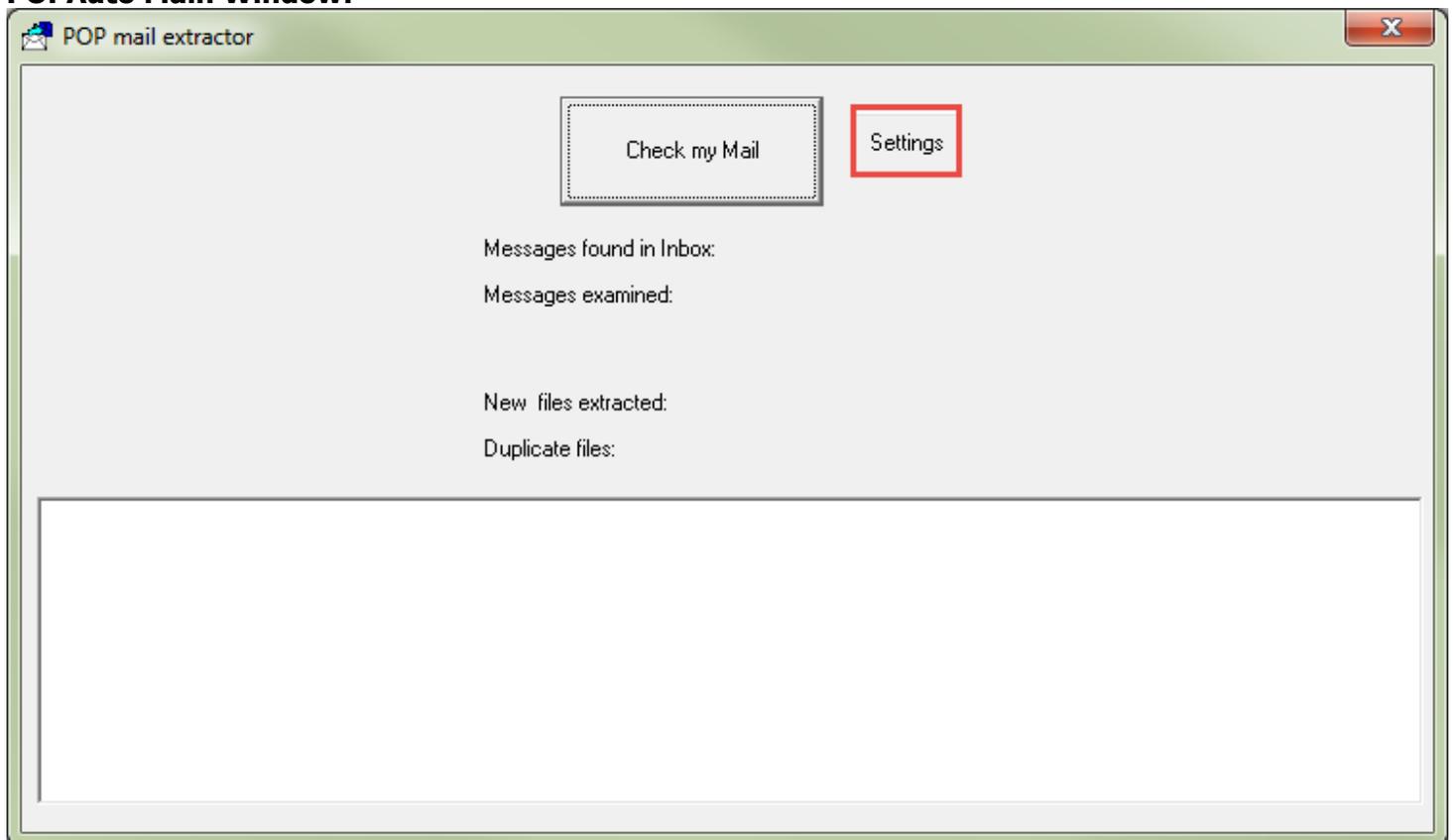
Introduction

If your email client does not support extraction of many attachments at once, dealing with the large number of emails generated by a Symphonie logger can be tedious. Included with Symphonie Data Retriever and SymphoniePRO Desktop Application is a tool called POPAuto.exe. This tool can automate the extraction of data files from SymphoniePRO, SymphoniePLUS3, SymphoniePLUS, and Symphonie loggers attached to emails on a POP compatible server.

Setting up POPAuto

To use POPAuto, it needs to be configured with your email account details and file extraction preferences. Click the Settings button to access this information.

POPAuto Main Window:



POPAuto Settings Window:

Settings

POP3 Server Name: pop.symphonie.com
Mailbox Name: winddata
Mailbox Password: xxxxxxxxxxxx

Delete processed emails from server
 Sort files into folders by site

RLD Files (SymphoniePRO)
Download Folder (SymphonePRO Desktop)
C:\Users\ppc\Documents\Renewable NRG Systems\Raw

Convert files to TXT
 Use site database configuration Use configuration in file
 Import to Database

RWD Files (Symphonie PLUS3)
Download Folder (SDR)
C:\NRG\RawData

Convert files to TXT using SDR
 Import to Database
(SDR.exe must be located in C:\NRG\SymDR)

Process only emails containing (blank to process all):
[]

in the To: field

OK Cancel

The first three fields (POP3 Server Name, Mailbox Name, Mailbox Password) should be configured the same way you would set up your standard mail client. Note that these are not the same settings you load into the iPack; these are the settings for the account of the recipient. These settings are given to you by your email provider.

General Settings:

Delete processed emails from server

Checking this box is recommended, once your settings have all been tested. If left unchecked, emails will remain on the server and continue to build up after the data files have been extracted.

Sort RWD files into folders by site

This option will help organize your data files by making subfolders in your Raw Data folder for each site.

RLD Files (SymphoniePRO) Settings:

Convert files to TXT

Checking this box will convert each .RLD file into a tab-delimited text file.

- Choose **Use site database configuration** to use the channel settings in the *.NDB database file to scale the data for the .TXT files.
- Choose **Use configuration in file** to use the channel settings programmed in the logger to scale the data.

Import to Database

Checking this box will import the data into the site's *.NDB database file.

RWD Files (SymphoniePLUS3) Settings:

Convert RWD files to TXT using SDR

Checking this box will run SDR silently on each new file and convert it to TXT using the scaling from the corresponding site file. TXT files will be placed in your Scaled Data folder. If no site file exists, an error log will be placed in the Scaled Data folder.

Import to Database

In addition to scaling the files, they will be imported to the site file.

Filter:

Process only emails containing...

This filter allows retrieval of only specific messages.

For example, suppose you only want to process data from Site 0125 that are emailed with the subject "Otis home site" from the email address "site0125@otiswind.com". Then, you could put "Otis home site" under "Process only emails containing", and choose the "Subject:" field. If you had several sites using that subject and wanted to be more specific, you could put "site0125@otiswind.com" and choose the "From:" field. Emails that do not match the filter criteria will remain on the server.

Running POPAuto

To run POPAuto manually, simply open the program, and then click "Check my Mail". If your mailbox is set up correctly, you should see the extraction progress in the lower box.

If you would like to run POPAuto on a regular interval, you can automate it through a script using the **/S** switch. Calling **POPAuto.exe /S** will run POPAuto in Silent mode – it will start, immediately do a Check Mail, and then close.