

# Methods of Sending (Browser, Cron, Command-line)

This page concerns phpList self-hosted users only. If you have a registered account at the phpList Hosted service, please contact [hosted@phpList.com](mailto:hosted@phpList.com).

Setting up phpList for sending is a complex topic, there are many (many) variables, most of which are out of the control of phpList developers, such as your hosting provider and server configuration.

In our early chapters, we have assumed that you are sending from the browser, to a small list, and that your phpList has been configured already.

## How sending works

Once your campaign is ready, you need to tell phpList to send the campaign. There are two steps to this:

1. Submit the message to the queue.

When creating the campaign, the last tab of the workflow is the 'SEND' tab. Pressing the 'start campaign' button submits the campaign to the sending queue.

2. Process the queue, either manually via the browser or command line, or automatically via a cron job or remote queue processing system.

## Manual sending using the browser

This is the simplest way to send. You must:

- Leave the browser open while your process the queue
- Leave your computer active (not asleep) while you process the queue

- Be aware that your hosting provider may not allow emails to be sent this way by default, or may suspend your account if you send volumes which breach their terms and conditions.

This method of sending works essentially as described in the chapter on Sending your first campaign. Using the default configuration file settings, either click the **Process Queue** button which is presented as the final step of the campaign workflow, or use the **System > Process queue** option from the main menu.

Once you begin sending you must leave the browser open: if the browser is closed while the message is sending, the queue processing will stop. To continue sending where you dropped off, you will need to open the browser, log into phpList, and "System"/"Process queue" again, leaving the browser open.

The system will send the queue using the settings in your config file (config.php), which controls the send rate, the envelope header, and so forth. You should talk to your hosting provider about these settings, they may want you to send in small batches or have a cap on the number of mails you can send each hour.

## phpList.com remote queue processing

A wide explanation of how the phpList remote queue processing works is on the [Resources page](#). Additionally, here you can find some of the most [frequently asked questions](#).

One way to bypass the issue of leaving your browser open without creating a cron job is to use the phpList.com remote queue processing system.

This means that once you click to process the queue, phpList.com will keep your system sending after you close your browser: you are still sending from your server, and according to the settings in config.php - phplist.com just keeps your system "awake" for you.

You will be prompted to consider this process the first time you send. If you have previously sent messages then visit **<http://yourdomain/lists/admin/?page=hostedprocessqueuesetup>** to get started.

You should see the following page.

Click **Create Account**.

## Setup processing using the hosted service

### Process the queue using the service from phpList.com

This is only possible if your phpList installation is not behind a firewall

#### Step 1. Create an account on phpList.com

For the purpose of remote processing go to [Create Account](#) and follow the steps.

If you use the normal registration procedure it will create a phpList Hosted account for you, which is not what you need for remote processing.

Once you are registered, go to your account page and request an API key

#### Step 2. Enter the API key here

API key from phpList.com  [Continue setup](#)

This opens a window with a phpList.com page enabling you to create a special phpList.com account. Fill out your details and click **Create account**.

https://www.phplist.com/createaccount



### CREATE AN ACCOUNT

This registration page will give you an account on the phpList website for various purposes. It will not create a phpList installation for you. After registration you can get an API key for remote processing of your self-hosted phpList installation.

Fields marked \* are required.

#### Create your account:

email

password

Minimum of 8 characters with at least one number is required.

You then need to go to your email account and click the link in the confirmation email.



## Activate your phpList account

Please confirm your registration with phpList.com

To confirm click this link:

<http://www.phplist.com/lists/?p=confirm&uid=73492605b08e3b2686582>

Happy mailing.

the phpList team

Click **Continue to your account** to go to your new account.

## phpList remote queue processing

Thank you for confirming your registration with phpList Hosted.

**Continue to your account**



Click **Generate new key** to get your API key.

Your account	Your details	Status
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Your account

Status **Free trial**

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API Key

Generate new key

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Thank you for using our new mail queue processing plans for this service, so in the meantime you can know when there is an update.

Copy the API key.

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## Free trial

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**ff8bd376ed4b6366ebc**

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Thank you for using our new mail queue proces

And paste it into your phpList installation, into the **Enter the API key here** box on **<http://yourdomain/lists/admin/?page=hostedprocessqueuesetup>**

### Step 2. Enter the API key here

API key from phpList.com  Continue setup

Click **Continue setup**.

### List of campaigns

Remote queue processing settings were saved successfully

The process is now complete. When you add a message to the queue, it will be processed according to your settings.

## Queue processing from a remote computer using a secret (Config > Settings > Secret for remote processing)

This is essentially the same system as above, but you don't use the phplist.com service, you use another server of your choosing. Documentation for this is [here](#).

# Automatic queue processing using the command line and Cron jobs

## Background

A more advanced phpList configuration is to configure automatic queue processing from the command line of the computer (shell terminal). These are the most powerful ways of sending and they have many advantages. However, setting them up can be complicated for a variety of reasons including:

- Restrictions of hosting companies, such as GoDaddy, Hostgator and others
- Features of your virtual machine (VM) hosting account
- (In)Ability to ssh into the server to test commands
- PHP settings configured by your hosting company
- Working through a web based interface such as cpanel, or plesk to test and setup the required exact commands needed
- Limited access and permissions due to account type and user limitations
- Every hosting company sets this up a little differently, so require a setup specific to your exact situation.

If you don't understand, or give up trying to understand all these details, look for qualified third party support to configure this and/or offer hosted solutions that include automatic queue processing.

## The Command line

The core of setting up the automatic processing is the command line that will 'do the deed'.

***For queue processing, the general format is:***

```
/usr/bin/php /home/mydomain/lists/admin/index.php -pprocessqueue -  
c/home/mydomain/lists/config/config.php
```

***Breaking this down:***

**/usr/bin/php** This is the command that invokes php. Your path may vary, as well as the exact php command ( php-cli or php-cgi). The exact path to the php command will need to be changed to match your system.

**/home/mydomain/lists/admin/index.php** This is the fully qualified path to the index.php file in the /lists/admin directory of your phpList installation, as seen by the php command (above). Getting this right usually requires some experimenting, and/or asking your hosting provider. The '/home/mydomain' part will need to be changed to match the layout of your system.

**-pprocessqueue** This specifies the action that you want to perform (processqueue)

**-c/home/mydomain/lists/config/config.php** This is the fully qualified path to the config file with your settings. The '/home/mydomain' part will need to be changed to match the layout of your system.

Once you determine the exact command line that will process the queue on your machine, then you need to run that command periodically via a cron job (also called a 'scheduled task' in the cpanel interface).

## Setting up a cron job to periodically run the Command Line

See the chapter "Setting up your Cron".

# Feedback

Discuss this chapter here.

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