

SMS via Power2text/Tentod

**A programmer's guide
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<http://www.power2text.com>

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Table of contents

1	INTRODUCTION.....	3
2	THE EMAIL INTERFACE	4
2.1	Parameters	4
2.1.1	User	4
2.1.2	Pass.....	4
2.1.3	Originator (optional).....	4
2.1.4	Type (optional).....	4
2.1.5	Message	4
2.1.6	Numbers	4
2.2	Example email.....	4
3	HTTP POST/GET	5
3.1	Script location.....	5
3.2	Parameters	5
3.2.1	Required parameters (all case sensitive).....	5
3.2.1.1	User	5
3.2.1.2	Pass.....	5
3.2.1.3	Message.....	5
3.2.2	Mutually exclusive parameters (one required)	5
3.2.2.1	Number.....	5
3.2.2.2	List.....	5
3.2.3	Optional parameters.....	6
3.2.3.1	Originator	6
3.2.3.2	Type.....	6
3.2.4	Responses	6
3.2.4.1	Status return strings	6
3.2.4.1.1	Invalid Login	6
3.2.4.1.2	Invalid origination address	6
3.2.4.1.3	Insufficient Credits.....	6
3.2.4.1.4	Sent	6
3.2.4.2	Sent.....	6
3.2.4.3	Charge	6
3.2.4.4	Remaining	6

1 Introduction

Power2text is an internet based system to send short messages (SMS) to mobile phones. The classic interface is an interactive web site, which allows management of message lists, sending of messages, checking of available credits etc.

There are two alternative ways of sending messages, which may be more suitable for automated sending or for integration with other products.

You can send email messages into the system, or call a script on Power2text from within your application.

There are two internet sites used for the Power2text system – www.power2text.com and www.tentod.net . Power2text is typically used for single user accounts, tentod for rebranded reseller accounts. All facilities are available on both sites – the only difference is which site you access.

2 The email interface

2.1 Parameters

The email is sent to sms@power2text.com / sms@tentod.net (depending upon where your account is held).

The subject line is unimportant.

Within the body of the email, you must have the following parameters, in the following order:

2.1.1 User

Your assigned Username.

2.1.2 Pass

Your assigned Password.

2.1.3 Originator (optional)

The originator of the message. This can be up to 11 alphanumeric characters, or 16 numbers. If missing, this defaults to the value you set in the web interface.

2.1.4 Type (optional)

The class of the message. This defaults to 1 (normal messages). You can set this to 2 to send a Class 0 (commonly called Flash) message.

2.1.5 Message

The message text.

2.1.6 Numbers

A single number to send to, which can be in almost any format.

The system will handle spurious characters, 00 or + for non-UK numbers, etc. Examples of valid numbers are +447973123456, 447973123456, 00447973123456, 07973123456, (07973) 123-456.

These are all treated as the same number. You may send to multiple mobiles by putting a comma between numbers.

2.2 Example email

To: sms@power2text.com
Subject: <none>

Then, in the body of the email:-

```
User: myname  
Pass: mypass  
Originator: Power2text  
Type: 1  
Message: Here is a test message sent  
via email and Power2text  
Numbers: 07970987654,07970123456,  
447970987123,+447970123987
```

If insufficient credits are available, no messages will be sent.

3 HTTP POST/GET

3.1 Script location

The sending script is located at <http://www.tentod.net/sendsms.pl>

3.2 Parameters

The script requires the following parameters, which can be passed as a HTTP GET command (remember to URL escape non-alphanumeric characters) (<http://www.tentod.net/sendsms.pl?&<param1>=<value>&<param2>=<value>...>) or as HTTP POST.

You must use HTTP 1.1, specifying the host name, so for example issuing a GET command to an opened socket you would send

```
GET /sendsms.pl?&<param1>=<value>&<param2>=<value>... HTTP/1.1
Host: www.power2text.com
```

3.2.1 Required parameters (all case sensitive)

3.2.1.1 User

Your assigned Username.

3.2.1.2 Pass

Your assigned Password.

3.2.1.3 Message

The message text.

The message may contain the characters

```
^~!@#%&*()_+={}[]'":.,/? a-z A-Z 0-9
```

A Perl regexp to filter this would be

```
$message =~ s/[^~!@#%&*^&\*(\)\_-\+=\{\}\[\]\'\":\.\,\/\?a-zA-Z0-9]/ /g;
```

3.2.2 Mutually exclusive parameters (one required)

You must send at least one of the following parameters

3.2.2.1 Number

A single number to send to, which can be in almost any format.

The system will handle spurious characters, 00 or + for non-UK numbers, etc. Examples of valid numbers are +447973123456, 447973123456, 00447973123456, 07973123456, (07973) 123-456.

These are all treated as the same number. You may send to multiple mobiles by putting a comma between numbers.

3.2.2.2 List

The name (case sensitive) of a list stored on the system using the normal management interface.

3.2.3 Optional parameters

3.2.3.1 Originator

The originator of the message. This can be up to 11 alphanumeric characters, or 16 numbers.

3.2.3.2 Type

The class of the message. This defaults to 1 (normal messages). You can set this to 2 to send a Class 0 (commonly called Flash) message.

3.2.4 Responses

The script always returns the following plain text

Status:

Sent:

Charge:

Remaining:

A typical response would be:-

Status: Sent

Sent: 30

Charge: 30

Remaining: 53

3.2.4.1 Status return strings

3.2.4.1.1 Invalid Login

The username/password pair are missing or incorrect

3.2.4.1.2 Invalid origination address

The origination address is invalid (usually due to being too long)

3.2.4.1.3 Insufficient Credits

You do not have enough credits to send the message(s). None will be sent (e.g. if you have 5 credits and try to send to 10 numbers, the system will NOT send 5 then fail, it will send no messages).

3.2.4.1.4 Sent

The message(s) have been queued to send

3.2.4.2 Sent

The number of messages sent

3.2.4.3 Charge

The charge to your account for sending these messages

3.2.4.4 Remaining

The remaining credit in your account following the send

Note that if you simply send the User and Pass parameters, you will get a status reply back which includes your account balance in the Remaining field.