



SMSPM.com API

Ver. 1.5

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## 1. Making a request

### 1.1 URL

SMS messages are transmitted via HTTP protocol. GET-request is sent to our systems using URL:

<http://panel.smsppm.com/gateway/insert-your-secret-hash-here/api.v1/send?>

URL must include your secret-hash (generate one under your account: User account → API) and is followed by parameters from table below:

### 1.2 Parameters

Parameter	Value	Description	Format	Mandatory
secret-hash	52248aec022c6d53eabe30	Secret hash identifies service connected to your account. It also acts as username and password.	Generate your secret hash in SMSPoint member area.	yes
phone	37254515400	Destination number	International, without "+"	yes
sender	SMSPPM.com	Sender ID	Numerical max 15 digits, alphanumerical max 11 English characters (space and dots allowed)	yes
message	This+is+a+test+message	Message text	urlencoded	yes
when	2010-05-30+14:25:00	Specify time for delivering message. If not specified, SMS is sent immediately.	YYYY-MM-DD+hh:mm:ss	no
unicode	on	Set to "on" for unicode message	Message in Unicode	no
reports_url	http://www.yourserver.com/reports-url.php	Address of the script for reports to be delivered (check 3.1 <i>Delivery reports</i> )	Valid URL	no
output	json / html	If output is set to "html" you will see HTML-form and thus able to test API. Use output=json when you are done with testing.	-	yes

### 1.3 Request

A request is formed by appending *parameter=value* pairs, each separated by ampersand (&) to the request URL. An example of correctly formed request:

```
http://panel.smspm.com/gateway/52248aec022c6d53eabe30/api.v1/send?  
phone=37254515400  
&sender=SMSPM.com  
&message=This+is+a+test+message  
&output=json
```

All parameter values must be urlencoded prior making a request.  
Have a closer look in 1.6 Urlencoding

### 1.4 Character encoding

Default character encoding for messages is UTF-8.

### 1.5 Message length

Message length is 160 alphanumerical symbols for regular message and 70 symbols for Unicode message. Space (" ") - is also a symbol.

NB! If message length is longer than 160 (70) symbols, SMS is not sent and error-message is generated (check section 2.2 Reply format)

### 1.6 Urlencoding

Prior sending a request, message text and Sender ID must be urlencoded.

```
$from = "From Me";  
$from = urlencode($from);
```

```
$message = "The quick brown fox jumped over the lazy dog";  
$message = urlencode($message);
```

### 1.7 Unicode message

Unicode message is any message that contains non-English characters or symbols which are not present in GSM-alphabet. Refer to alphabet: <http://www.smspm.com/7-bit-GSM-alphabet>

To send Unicode message You must include "*unicode=on*" into request string.

Every SMS-message is checked whether it contains Unicode characters. If SMS contains at least 1 Unicode symbol, but flag "*unicode*" is not set, API will return an error-message.

Because of limited capability of SMS-protocol, a message in unicode is up to 70 characters long.

Example of sending Unicode message:

```
http://panel.smsppm.com/gateway/52248aec022c6d53eabe30/api.v1/send?
phone=37254515400
&sender=SMSPPM.com
&message=Это+тестовое+сообщение
&unicode=on
&output=json
```

## 1.8 Code example (HTML + PHP)

Create new PHP-file named "send.php" and insert this code into it:

```
<?php

//get values out of the form and urlencode them

if (strlen($_GET['sms_from'])>0 &&
    strlen($_GET['sms_message'])>0)
{

    $to = $_GET['sms_to'];
    $from = urlencode($_GET['sms_from']);
    $message= urlencode($_GET['sms_message']);

    //make a GET-request to SMSPPM.com

    $answer=
    file_get_contents("http://panel.smsppm.com/gateway/52248aec022c6d53eabe30/api.v1/send?phone=$to
    &sender=$from&message=$message&output=json
    ");

}

?>

<html>
<body>
<form name="sms" method="GET" action="send.php">
<table>
<tr>
<td>From: </td>
<td><input type="text" name="sms_from" value=""> </td>
</tr>
<tr>
<td>To: </td>
<td><input type="text" name="sms_to" value=""> </td>
</tr>
<tr>
<td>Message: </td>
<td><textarea name="sms_message"> </textarea> </td>
</tr>
<tr>
<td colspan="2"><input type="submit" value="send"> </td>
</tr>
</table>
</form>
</body>
</html>
```

## 2. Getting a reply

### 2.1 Status of transmission, SMS-ID

On successful request a message-id and transmission-status is returned. Transmission-status is to confirm that authorization, message and destination number format are correct. SMS-ID is unique number under which Your message is identified in our systems.

### 2.2 Reply format

Reply is generated in following format:

`transmission-status,sms-id`

Example of successful transmission:

```
{ "submitted":true,"id":"b8a3453e9f9168b2091904247661ef7f" }
```

Examples of failed transmission:

```
{ "error":{ "message":"Access denied (key is incorrect?)" } }  
{ "error":{ "message":"Incorrect phone number (54515400)" } }  
{ "error":{ "message":"Bad sender" } }
```

Leading "`submitted`" indicates successful transmission of SMS to the gateway. If request was invalid, "`error`" is returned along with description of error.

## 3. Tracking delivery

### 3.1 Methods

Delivery reports are statuses of individual SMS-messages that can be monitored in 3 different ways:

- Manual check from web-interface
- Call-back to customer's URL
- Status-URL request

### 3.2 Manual check

You can always check statistics of messages sent through API in your account under

User Account → History → Type API

### 3.3 Call-back to customer's URL

In order to get reports delivered automatically, you have to include parameter *reports\_url* stating URL-address of Your script:

`reports_url=http://yourserver.com/reports.php`

into SMS sending request.

And You have to specify SMS ID for your message to differentiate it when receiving a report.

Example:

`http://panel.smspm.com/gateway/52248aec022c6d53eabe30/api.v1/send?  
phone=37254515400  
&sender=SMSPM.com  
&message=This+is+a+test+message  
&output=json  
&reports_url=http://yourserver.com/reports.php?status={status}&smsid=132228`

After 2-3 seconds, if SMS-message was delivered, our servers make a request via GET-method to provided URL:

GET: `http://yourserver.com/reports.php?status=delivered&smsid=132228`

SMSPM.com will send delivery reports to provided URL every time status of SMS changes. To see full list of possible statuses check section 3.5 Table of delivery statuses.

### 3.4 Status-URL request

If You wish to query statuses via request initiated by Your script, use Status-URL request:

`http://panel.smspm.com/gateway/secret-hash-here/api.v1/query/smspm-smsid`

Compared to call-back method, in this query You must pass our system SMSID for SMS-message – the one that You received while making a sending request like for instance `"18b1ef013bf400dc3498f863400882b4"`

This method is discouraged but some customers might still need to use it.

### 3.5 Table of delivery statuses

Please find the descriptions of delivery statuses used in our systems:

Status	Description
queued	Message is waiting in queue
submitting	Message is about to be submitted
submitted	Message has been sent
delivered	Message delivered to phone
submitFailed	Message rejected (invalid recipient, invalid senderID)
deliveryFailed	Message undelivered (non-existent number, roaming error)

## 4. Bulk SMS transmission using CSV

For customers in need of high-speed SMS transmission SMSPM offers CSV method that utilizes HTTP-request and lets to dispatch up to 200 messages per request.

### 4.1 URL

POST-request is sent to our systems using URL:

<http://panel.smspm.com/gateway/insert-your-secret-hash-here/api.v1/csv?output=json?>

URL must include your secret-hash (generate one under your account: User account → API)  
POST-request is formed using parameters from table below:

### 4.2 Parameters

Parameter	Value	Description	Format	Mandatory
csv	37254515400,SMSPM.com, This+is+a+test+message 447412961801,SMSPM.com,This +is+a+second+test+message	Comma separated values: <i>Destination number, Sender ID, Message text</i>	CSV-format is detected automatically, Unicode messages are allowed	yes
when	2010-05-30+14:25:00	Specify time for delivering message. If not specified, SMS is sent immediately.	YYYY-MM-DD+hh:mm:ss	no
output	json / html	Use output=json if you are done with testing.	-	yes



## 5. Contact information

Phone numbers: +372 5451 5400 / +4474 1296 1801  
Email: [support@smspm.com](mailto:support@smspm.com)  
Support hours: daily 08:00-20:00 (GMT +2)