

Z2iCommunication
MT - HTML API Interface

Revision 1.3 - English

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www.z2i.com

Index

Description	2
Send SMS	2
Check SMS status	2
Check account balance	2
Appendix 1 - SMS Status	2
Appendix 2 - Sample using HTML	2
Appendix 3 - Sample with PHP	2

Description

This document describes how to send SMS MT/Push messages using the HTTP API (API) of the Z2i Communication Ltd (Z2i) platform.

The delivery is done using http or https protocol. The Z2i application records a log with the status of every sms. The log and the statistics can be viewed by logging in to the Z2i application.

A username and password is necessary to be able to use the API. You can obtain these from the website <http://www.z2i.com> under Create Account, or you can contact us at sales@z2i.com.

Z2i recommends you to use https protocol for security reasons.

All API requests must be made using one of these URL:

- Without security: <http://sms.z2i.com>
- With SSL security: <https://sms.z2i.com>

Note 1: The parameters are only allowed in POST mode.

Note 2: The Variables and predefined values are case sensitive.

For any question you can contact Z2i support:

- By selecting Support in the application menu.
- By email at support@z2i.com

Send SMS

The allowed sms types are:

- Text: Up to 160 characters depending on destination network.
- UTF text: Up to 70 characters, supported characters depend on the destination network and receiving mobile device.
- Binary (WapPush): Up to 50 characters plus the URL. The sum of both parts must not exceed 160 characters.

Variable	Descripción
m	Gw.HTTPSendMT
l_user	User
l_password	Password
Type	Accepted values: Txt, Uni, WP (Text, UTF/Unicode, WapPush)
Originator	Remitent of the message. Accepted A-Z y 0-9. Min: 4 chars. (1)
SinglePhone	Destination mobile phone number with the prefix included. Ex: 446nnnnnnnn (2).
Msg	Message. Min: 2 chars. (3)
URL	Mandatory only if is a binary sms. The URL must full writted. Ex: http://www.test.com/a/b/
cFREE	Accepted values: (blank value) or "on". This field allows send multiple destination. (4)
ListFree	List of destination mobile(s) using ascii char 10 (0x0a) as separator (2) (4)

- (1) Some countries doesn't accept alphanumeric values, you must then use a real phone number, see note (2)
- (2) The number can't contain 00 or + sign. Examples:
 - (1) Correct: 44600000000
 - (2) Correct: (44) 600 000-000
 - (3) Incorrect: 600000000
 - (4) Incorrect: 0044600000000
 - (5) Incorrect: +44600000000
- (3) For Text (Txt) messages we recommend to use only these characters A-Z, 0-9 and punctuation signs.
- (4) To send to multiple destinations at once must follow these rules:
 - (1) SinglePhone with blank value
 - (2) cFREE with "on" value
 - (3) ListFree with list of mobile numbers

The result of the request can be one of these (every line has
 tag as separator):

- DENIED: Incorrect user/password combination.
- LOCKED: The user is locked. Contact Z2i support.
- ERROR: One or more errors occurred when processing the request. For each error a description line will be returned.
- If all is right:
 - OK: n (num. of sms sent)
 - BLACKLISTED: n (num. of sms not sent because are Blacklisted)
 - NOROUTE: n (num of sms not sent because no route)
 - NOCREDIT: n (num. of sms not sent because no credits available)
 - LIMITMONTH: n (num. of sms not send because reached month limits)
 - ID:n,n,n ... (List of ID of each sms delimited by commas)

Sample of results:

Sample 1:

DENIED

Sample 2:

OK:3

BLACKLISTED:0

NOROUTE:0

NOCREDIT:0

LIMITMONTH:0

ID:1,2,4

Check SMS status

Variable	Descripción
m	Gw.HTTPCheckMT
l_user	User
l_password	Password
ID	ID of SMS

The result of the request can be:

- DENIED: Incorrect user/password combination.
- LOCKED: The user is locked. Contact with support.
- If all is right:
 - STATUS:n (See Appendix 1)

Sample of results:

Sample 1:

DENIED

Sample 2:

STATUS:0

Check account balance

Variable	Descripción
m	Gw.HTTPCheckAccountBalance
l_user	User
l_password	Password

The result of the request can be:

- DENIED: Incorrect user/password combination.
- LOCKED: The user is locked. Contact with support.
- If all is right:
 - BALANCE:n (n is the current balance)

Sample of results:

Sample 1:

DENIED

Sample 2:

BALANCE:100.00

Appendix 1 - SMS Status

Valor	Descripción
-1	Not processed.
0	OK.
>0	Error

Appendix 2 - Sample using HTML

This code is available at http://sms.z2i.com/HTML_API/html.test.html

```

<html>
  <head>
    <meta http-equiv="content-type" content="text/html; charset=utf-8">
    <title>MT - HTML API Interface - Test</title>
  </head>
  <body>

    <center><font size="+2">MT - HTML API Interface - Test</font></center><br>

    <center><u><b>Send SMS</b></u><br><br></center>
    <form method="post" action="https://sms.z2i.com/?m=Gw.HTTPSendMT">
      <table style="border:1px black solid" align="center">
        <tr><th>Variable</th><th>Value</th></tr>
        <tr><td>I_user</td><td><input type="text" name="I_user" value=""></td></tr>
        <tr><td>I_password</td><td><input type="text" name="I_password" value=""></td></tr>
        <tr><td>Type</td><td><select
name="Type"><option>Txt</option><option>Uni</option><option>WP</option></select></td></tr>
        <tr><td>Originator</td><td><input type="text" name="Originator" value=""></td></tr>
        <tr><td>Msg</td><td><textarea cols="20" rows="3" name="Msg"></textarea></td></tr>
        <tr><td>URL</td><td><input type="text" name="URL" value=""></td></tr>
        <tr><td>SinglePhone</td><td><input type="text" name="SinglePhone" value=""></td></tr>
        <tr><td>Cert</td><td><select
name="Cert"><option>N</option><option>Y</option></select></td></tr>
        <tr><td colspan="2" align="center"><input type="submit" name="submit"
value="submit"></td></tr>
      </table>
    </form>

    <br>

    <center><u><b>Check SMS status</b></u><br><br></center>
    <form method="post" action="https://sms.z2i.com/?m=Gw.HTTPCheckMT">
      <table style="border:1px black solid" align="center">
        <tr><th>Variable</th><th>Value</th></tr>
        <tr><td>I_user</td><td><input type="text" name="I_user" value=""></td></tr>
        <tr><td>I_password</td><td><input type="text" name="I_password" value=""></td></tr>
        <tr><td>ID</td><td><input type="text" name="ID" value=""></td></tr>
        <tr><td colspan="2" align="center"><input type="submit" name="submit"
value="submit"></td></tr>
      </table>
    </form>

    <br>

    <center><u><b>Check account balance</b></u><br><br></center>
    <form method="post" action="https://sms.z2i.com/?m=Gw.HTTPCheckAccountBalance">
      <table style="border:1px black solid" align="center">
        <tr><th>Variable</th><th>Value</th></tr>
        <tr><td>I_user</td><td><input type="text" name="I_user" value=""></td></tr>
        <tr><td>I_password</td><td><input type="text" name="I_password" value=""></td></tr>
        <tr><td colspan="2" align="center"><input type="submit" name="submit"
value="submit"></td></tr>
      </table>
    </form>

    <br>
  </body>
</html>

```

Appendix 3 - Sample with PHP

```
<?
/**
 * MT - HTML API Interface - Test
 **/

define('SERVER_URL', 'https://sms.z2i.com/');
define('USER', 'change_it');
define('PASSWORD', 'change_it');

// Send SMS

$PostFields = "";
$PostFields .= '_user='.urlencode(USER);
$PostFields .= '&l_password='.urlencode(PASSWORD);
$PostFields .= '&Type='.urlencode('Txt');
$PostFields .= '&Originator='.urlencode('TEST');
$PostFields .= '&Msg='.urlencode('Hello World!');
// 1 destination
$PostFields .= '&SinglePhone='.urlencode('34999999999');
// Multiple Destinations
// $PostFields .= '&SinglePhone='.urlencode("");
// $PostFields .= '&cFREE='.urlencode('on');
// $PostFields .= '&ListFree='.urlencode('34999999998').chr(10).urlencode('34999999999');
$PostFields .= '&Cert='.urlencode('N');

$curl = curl_init();
curl_setopt($curl, CURLOPT_URL, SERVER_URL.'?m=Gw.HTTPSendMT');
curl_setopt($curl, CURLOPT_POST, 1);
curl_setopt($curl, CURLOPT_POSTFIELDS, $PostFields);
curl_setopt($curl, CURLOPT_RETURNTRANSFER, 1);
$result = curl_exec($curl);
curl_close($curl);

echo "Result for <b>Send SMS</b><br>";
$aResult = explode("<BR>", $result);

switch ($aResult[0]) {
    case 'DENIED':
    case 'LOCKED':
        // Do some actions here.
        die("Denied");
        break;

    case 'ERROR':
        // Do some actions here.
        die($result);
        break;

    default:
        // Do some actions here.
        die($result);
        break;
}

// End SMS

?>
```