

Vodafone multiTXT SMS API





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sending via an API

HTTP API

A lightweight API provides the simplicity that you're looking for when wanting to enable your applications to send TXT messages. For example, linking back to your CRM to push out status or balance alerts. Or sending out appointment reminders or one time passwords.

Sending a message is as easy as POSTing a web form. The following limits are in place for this API.

1. Only one recipient or group alias per connection. If you need to send to multiple recipients then you will need to loop through your recipient list sending to one each time.
2. Message Status is not reported back via the API. The status will be updated and can be viewed by logging in to multiTXT or by requesting a list of recent messages using the available feeds.
3. Replies are not handled by the API. Replies can be viewed by logging in to multiTXT or by requesting a list of recent messages using the available feeds.
4. Message length set in multiTXT by the Company Administrator is ignored by the API and messages are not split into parts – e.g. a limit of 1 TXT (160 characters) will be ignored and the API will work to the maximum of three text messages (459 characters).

HTTP Overview

The HTTP API interface is composed of ONE method only

1. to send a single message

To use the API simply post method parameters to the multiTXT server in the same way that a browser would submit a form.

To do this, method parameters are first HTML form encoded and then submitted in an HTTP POST. This is simple and well supported in almost all development environments.

N.B. The number and order of parameters may vary. While the parameter names described in this document will not change, additional parameters may be added to the API from time to time.

multiTXT API URL

action	http method	url to use
sending messages	POST	https://multitxt.vodafone.co.nz/api/1/sms/out



sending messages

Sending messages

Use secure HTTPS *POST* to send messages to

<https://multitxt.vodafone.co.nz/api/1/sms/out>.

Recognised URL encoded parameters for sending messages are:

name (case sensitive)	description	required?
user id	User name for authentication (same as used for logging into the website)	YES
password	Your account password	YES
to	Destination number or address book item (contact or group)	YES one item only
body	Message payload	YES

Example URL String

<https://multitxt.vodafone.co.nz/api/1/sms/out?userid=yourId&password=yourPassword&to=recipientNumber&body=hello>

Don't forget to use your password and international number for the recipient.

multiTXT will respond to each and every HTTP request with one of the following result codes.

code	meaning	action required
204	Success!	No action required Note: if you use a browser to test your message syntax the browser will not show anything if you are successful. Only errors or warning will be displayed.
400	Bad Request	Examine status line for error message
401	Unauthorized	Check you are using the correct URL as well as user id and password values
403	Forbidden	Check company limits and address book restrictions and that the recipient is either a) a number, or b) a contact or group.
500	Internal Error	Contact Vodafone

The **user id** and **password** are supplied to you by Vodafone when you sign up for a multiTXT account. You may pass them to the server as form encoded parameters, or in the HTTP Authorization header in basic format.

The **to** parameter is the destination number (MSISDN or address book item such as a Contact or Group). For numbers, include the country code but do not include leading zeros, spaces, brackets or other

formatting characters. To send a message to multiple recipients POST multiple times or configure groups in your online Address books.

The **body** parameter is used to pass the message. Messages can be up to 459 characters long. The allowable character set may vary depending on the destination network. In general, characters from the GSM default character set are safe (see GSM 03.38). Please note, this may change any time and result in truncated messages being delivered without warning.

Receiving messages

You cannot receive individual messages/replies using the API. Access the [multiTXT website](#) to view your incoming messages or use the Message Log Feeds to access message logs using your code/application/feed reader.

Receiving Message Receipt (status information)

You cannot receive individual message receipts using the API. Access the [multiTXT website](#) to view the status of your messages or use the Message Feeds to access message logs (including status information) using your code/application.

Forward 2 Mobile

Please note that this feature is not enabled with the API.



message log feeds

Using a secure HTTPS *GET* interface, multiTXT offers access to the online **Message Log** to allow you to request a list of your recent messages that can be used in your application or software.

The details provided here are targeted at the application developer and it assumes a knowledge of RSS and the HTTP web services.

Message feed details

Feed URL

Recent messages can be retrieved from this URL

action	http method	url to use
retrieving recent messages	GET	https://multitxt.vodafone.co.nz/api/2/sms/list

Feed parameters

Use HTTPS GET to retrieve messages from <https://multitxt.vodafone.co.nz/api/2/sms/list>.

Recognised URL encoded parameters for retrieving messages are:

name (case sensitive)	valid values	description	required?
user id	string	User name for authentication	YES
password	string	Your account password	YES
		Default feed format is ATOM 1.0	YES
type	out reply	The type of messages to return, default type is to return both out and reply	YES

Your application will parse the resulting XML feed and display or manipulate your recent messages.

The maximum number of messages returned is controlled by your online display options in multiTXT (visit the [multiTXT web site](#) to change your settings).

Feed examples

ATOM Example results

If your HTTPS request has the format=atom parameter, or if the format parameter is omitted then the results will be in ATOM format ().

See ATOM Feed samples overleaf.



message log feeds continued

Sample ATOM Feed

```
<feed xmlns:message="https://multitxt.vodafone.co.nz/module/message/1.0"
xmlns:sy="http://purl.org/rss/1.0/modules/syndication/"
xmlns:account="https://multitxt.vodafone.co.nz/module/account/1.0"
xmlns:user="https://multitxt.vodafone.co.nz/module/user/1.0"
xmlns:taxo="http://purl.org/rss/1.0/modules/taxonomy/"
xmlns="http://www.w3.org/2005/Atom" xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:dc="http://purl.org/dc/elements/1.1/">

<title>multiTXT Recent Messages Feed for Demo Admin</title>
<link href="https://multitxt.vodafone.co.nz" rel="alternate"/>
<subtitle>Messages from your maillog.</subtitle>
<account:status code="200">OK</account:status>
<user:user>
  <user:lastlogondate>2011-04-13T21:02:24Z</user:lastlogondate>
  <user:emailaddress>demo@vodafone.co.nz</user:emailaddress>
  <user:refreshinterval>1111</user:refreshinterval>
  <user:msisdn>021111111</user:msisdn>
  <user:userid>demo1</user:userid>
  <user:lastname>Admin</user:lastname>
  <user:firstname>Demo</user:firstname>
</user:user>
<entry>
  <title/>
  <link href="https://multitxt.vodafone.co.nz/secure/messages/messageDetail.do?messageId=478547" rel="alternate"/>
  <author>
    <name>Demo Admin</name>
  </author>
  <updated>2011-04-13T21:00:47Z</updated>
  <content type="HTML"><div><p>Sales are up.Congrats!</p><hr/><p><em>Message sent to '6149123456' on 2011-04-14 09:00:47.938 received 'SNT' on 2011-04-14

```



message log feeds continued

```

09:00:47.946</em></p></div></content>
  <summary type="HTML"><div><p>Sales are up.Congrats!</p><hr/><p><em>Message sent to '6149123456' on 2011-04-14 09:00:47.938 received 'SNT' on
2011-04-14 09:00:47.946</em></p></div></summary>
  <message:message>
    <message:msgid>478547</message:msgid>
    <message:originalMsgid>478547</message:originalMsgid>
    <message:userId>demo1</message:userId>
    <message:type>out</message:type>
    <message:senderType>API</message:senderType>
    <message:messageDate>2011-04-13T21:00:47Z</message:messageDate>
    <message:messageAge>1 minute ago</message:messageAge>
    <message:statusCode>SNT</message:statusCode>
    <message:statusDate>2011-04-13T21:00:47Z</message:statusDate>
    <message:statusAge>1 minute ago</message:statusAge>
    <message:subject/>
    <message:body>Sales are up.Congrats!</message:body>
    <message:emailSender/>
    <message:recipients>6149123456</message:recipients>
    <message:guid>cvA7Nt</message:guid>
    <message:contentType/>
    <message:recipient>
      <message:recipientId>456388</message:recipientId>
      <message:msgid>478547</message:msgid>
      <message:addressId>0</message:addressId>
      <message:displayName>6149123456</message:displayName>
      <message:displayaddress>6149123456</message:displayaddress>
      <message:statusCode>SNT</message:statusCode>
      <message:statusdate>2011-04-13T21:00:48Z</message:statusdate>
      <message:statusAge>1 minute ago</message:statusAge>
      <message:filteraddress>6149123456</message:filteraddress>
      <message:replyphone>987654</message:replyphone>

```



message log feeds continued

```

<message:replytophone>>false</message:replytophone>
<message:groupId>0</message:groupId>
<message:contacttype>NUMBER</message:contacttype>
</message:recipient>
</message:message>
</entry>
<entry>
<title/>
<link href="https://multitxt.vodafone.co.nz/secure/messages/messageDetail.do?messageId=478546" rel="alternate"/>
<author>
<name>Demo Admin</name>
</author>
<updated>2011-04-13T21:00:01Z</updated>
<content type="HTML"><div><p>Meeting running late so see you in 30min</p><hr/><p><em>Message sent to 'jared' on 2011-04-14 09:00:01.968 received 'SNT' on 2011-04-14 09:00:01.979</em></p></div></content>
<summary type="HTML"><div><p>Meeting running late so see you in 30min</p><hr/><p><em>Message sent to 'jared' on 2011-04-14 09:00:01.968 received 'SNT' on 2011-04-14 09:00:01.979</em></p></div></summary>
<message:message>
<message:messageId>478546</message:messageId>
<message:originalMessageId>478546</message:originalMessageId>
<message:userId>demo1</message:userId>
<message:type>out</message:type>
<message:senderType>API</message:senderType>
<message:messageDate>2011-04-13T21:00:01Z</message:messageDate>
<message:messageAge>2 minutes ago</message:messageAge>
<message:statusCode>SNT</message:statusCode>
<message:statusDate>2011-04-13T21:00:01Z</message:statusDate>
<message:statusAge>2 minutes ago</message:statusAge>
<message:subject/>
<message:body>Meeting running late so see you in 30min</message:body>
<message:emailSender/>

```



message log feeds continued

```
<message:recipients>jared</message:recipients>
<message:guid>Tgn5xt</message:guid>
<message:contentType/>
<message:recipient>
  <message:recipientId>456387</message:recipientId>
  <message:messageId>478546</message:messageId>
  <message:addressId>3</message:addressId>
  <message:displayName>jared</message:displayName>
  <message:displayaddress>021111111</message:displayaddress>
  <message:statusCode>SNT</message:statusCode>
  <message:statusdate>2011-04-13T21:00:02Z</message:statusdate>
  <message:statusAge>2 minutes ago</message:statusAge>
  <message:filteraddress>6421111111</message:filteraddress>
  <message:replyphone>987654</message:replyphone>
  <message:replytophone>>false</message:replytophone>
  <message:groupId>0</message:groupId>
  <message:contacttype>PSN</message:contacttype>
</message:recipient>
</message:message>
</entry>
</feed>
]]>
```



message log feeds continued

RSS example results

If your HTTPS request has the format=rss parameter then the results will be in RSS format ().

Sample RSS Feed

```
<rss xmlns:message="https://multitxt.vodafone.co.nz/module/message/1.0" xmlns:account="https://multitxt.vodafone.co.nz/module/account/1.0" xmlns:user="https://multitxt.vodafone.co.nz/module/user/1.0" xmlns:content="http://purl.org/rss/1.0/modules/content/" xmlns:taxo="http://purl.org/rss/1.0/modules/taxonomy/" xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" version="2.0" xmlns:dc="http://purl.org/dc/elements/1.1/">
<channel>

<title>multiTXT Recent Messages Feed for Demo Admin</title>
<link/>https://multitxt.vodafone.co.nz
<description>Messages from your maillog.</description>
<account:status code="200">OK</account:status>
<user:user>
<user:lastlogondate>2011-04-13T21:10:09Z</user:lastlogondate>
<user:emailaddress>demo@vodafone.co.nz</user:emailaddress>
<user:refreshinterval>1111</user:refreshinterval>
<user:msisdn>0211111111</user:msisdn>
<user:userid>demo1</user:userid>
<user:lastname>Admin</user:lastname>
<user:firstname>Demo</user:firstname>
</user:user>
<item>
<title/>
<link/>https://multitxt.vodafone.co.nz/secure/messages/messageDetail.do?messageId=478547
<description><div><p>Sales are up.Congrats!</p><hr/><p><em>Message sent to '6149123456' on 2011-04-14 09:00:47.938 received 'SNT' on 2011-04-14 09:00:47.946</em></p></div></description>
<content:encoded><div><p>Sales are up.Congrats!</p><hr/><p><em>Message sent to '6149123456' on 2011-04-14 09:00:47.938 received 'SNT' on 2011-04-14 09:00:47.946</em></p></div></content:encoded>
```



message log feeds continued

```
p></div></content:encoded>
<guid>https://multitxt.vodafone.co.nz/secure/messages/messageDetail.do?messageId=478547</guid>
<message:message>
  <message:messageId>478547</message:messageId>
  <message:originalMessageId>478547</message:originalMessageId>
  <message:userId>demo1</message:userId>
  <message:type>out</message:type>
  <message:senderType>API</message:senderType>
  <message:messageDate>2011-04-13T21:00:47Z</message:messageDate>
  <message:messageAge>9 minutes ago</message:messageAge>
  <message:statusCode>SNT</message:statusCode>
  <message:statusDate>2011-04-13T21:00:47Z</message:statusDate>
  <message:statusAge>9 minutes ago</message:statusAge>
  <message:subject/>
  <message:body>Sales are up.Congrats!</message:body>
  <message:emailSender/>
  <message:recipients>6149123456</message:recipients>
  <message:guid>cvA7Nt</message:guid>
  <message:contentType/>
  <message:recipient>
    <message:recipientId>456388</message:recipientId>
    <message:messageId>478547</message:messageId>
    <message:addressId>0</message:addressId>
    <message:displayName>6149123456</message:displayName>
    <message:displayaddress>6149123456</message:displayaddress>
    <message:statusCode>SNT</message:statusCode>
    <message:statusdate>2011-04-13T21:00:48Z</message:statusdate>
    <message:statusAge>9 minutes ago</message:statusAge>
    <message:filteraddress>6149123456</message:filteraddress>
    <message:replyphone>987654</message:replyphone>
    <message:replytophone>>false</message:replytophone>
```



message log feeds continued

```

    <message:groupId>0</message:groupId>
    <message:contacttype>NUMBER</message:contacttype>
  </message:recipient>
</message:message>
</item>
<item>
  <title/>
  <link/>https://multitxt.vodafone.co.nz/secure/messages/messageDetail.do?messaged=478546
  <description><div><p>Meeting running late so see you in 30min</p><hr/><p><em>Message sent to 'jared' on 2011-04-14 09:00:01.968 received 'SNT' on 2011-04-14 09:00:01.979</em></p></div></description>
  <content:encoded><div><p>Meeting running late so see you in 30min</p><hr/><p><em>Message sent to 'jared' on 2011-04-14 09:00:01.968 received 'SNT' on 2011-04-14 09:00:01.979</em></p></div></content:encoded>
  <guid>https://multitxt.vodafone.co.nz/secure/messages/messageDetail.do?messaged=478546</guid>
  <message:message>
    <message:msgid>478546</message:msgid>
    <message:originalMsgid>478546</message:originalMsgid>
    <message:userId>demo1</message:userId>
    <message:type>out</message:type>
    <message:senderType>API</message:senderType>
    <message:messageDate>2011-04-13T21:00:01Z</message:messageDate>
    <message:messageAge>10 minutes ago</message:messageAge>
    <message:statusCode>SNT</message:statusCode>
    <message:statusDate>2011-04-13T21:00:01Z</message:statusDate>
    <message:statusAge>10 minutes ago</message:statusAge>
    <message:subject/>
    <message:body>Meeting running late so see you in 30min</message:body>
    <message:emailSender/>
    <message:recipients>jared</message:recipients>
    <message:guid>Tgn5xt</message:guid>
    <message:contentType/>
    <message:recipient>

```



message log feeds continued

```
<message:recipientId>456387</message:recipientId>
<message:messageId>478546</message:messageId>
<message:addressId>3</message:addressId>
<message:displayName>jared</message:displayName>
<message:displayaddress>021111111</message:displayaddress>
<message:statusCode>SNT</message:statusCode>
<message:statusdate>2011-04-13T21:00:02Z</message:statusdate>
<message:statusAge>10 minutes ago</message:statusAge>
<message:filteraddress>642111111</message:filteraddress>
<message:replyphone>987654</message:replyphone>
<message:replytophone>>false</message:replytophone>
<message:groupId>0</message:groupId>
<message:contacttype>PSN</message:contacttype>
</message:recipient>
</message:message>
</item>
</channel>
</rss>
]]>
```



This is how we support your business

Our business service team is here to help. Call 888 from your mobile, 0800 4000 888 from your landline or +64 9 962 9888 from overseas. You can also visit us in store or access your account at www.vodafone.co.nz/business.

For more information go to www.vodafone.co.nz/multitxt