

# Sending SMS

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If you want to just send SMS and don't want to use our wrappers, it can be done with the minimum of effort using our basic SMS API. If you have any integration questions then just call us, **0117 205 0202 – option 3**.

## Skills Required:

- Understanding of the HTTP (GET) protocol
- Some knowledge of a programming language
- Basic XML

## Fast and easy: send SMS

In your preferred programming language all you need to do is generate a GET request like this:

```
https://api.textmarketer.co.uk/gateway/?username=u&password=p&to=4477777777&message=test+message&orig=my_script
```

If you want to send to multiple numbers, use a comma delimited list. Here is an example:

```
https://api.textmarketer.co.uk/gateway/?username=u&password=p&to=4477777777,4477777778,4477777779&message=test+message&orig=my_script
```

Beware that, due to limitations on the HTTP protocol, sending to multiple numbers is limited to 500 recipients. So, if you want to send the same SMS to more than 500 recipients, e.g. 750 recipients, you'll have to send it in two batches: 500 + 250.

## Code Examples for sending SMS

Get started instantly. You can copy & paste the code examples below for use with our SMS API Gateway.

```
PHPJAVAC#/.NETC++/CLICVB.NETASPRuby
```

```
<?php
    // Simple SMS send function
    function sendSMS($username, $password, $to, $message, $originator) {
        $URL =
        'http://api.textmarketer.co.uk/gateway/'. "?username=$username&password=$password&option=xml";
        $URL .=
        "&to=$to&message=".urlencode($message).'&orig='.urlencode($originator);
        $fp = fopen($URL, 'r');
        return fread($fp, 1024);
    }
    // Example of use
    $response = sendSMS('myUsername', 'myPassword', '4477777777', 'My test message',
    'TextMessage');
    echo $response;?>
```

```

import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.io.UnsupportedEncodingException;
import java.net.URL;
import java.net.URLConnection;
import java.net.URLEncoder;

// Simple send SMS programm
public class SendSMS {
    public static String sendSMS(String username, String password, String to, String
message, String originator) {
        String url;
        StringBuilder inBuffer = new StringBuilder();
        try {
            url = "http://api.textmarketer.co.uk/gateway/" +
                "?username=" + username + "&password=" + password + "&option=xml" +
                "&to=" + to + "&message=" + URLEncoder.encode(message, "UTF-8") +
                "&orig=" + URLEncoder.encode(originator, "UTF-8");
        } catch (UnsupportedEncodingException e) {
            return null;
        }
        try {
            URL tmUrl = new URL(url);
            URLConnection tmConnection = tmUrl.openConnection();
            tmConnection.setDoInput(true);
            BufferedReader in = new BufferedReader(new
InputStreamReader(tmConnection.getInputStream()));
            String inputLine;
            while ((inputLine = in.readLine()) != null)
                inBuffer.append(inputLine);
            in.close();
        } catch (IOException e) {
            return null;
        }
        return inBuffer.toString();
    }
    public static void main(String[] args) {
        // Example of use
        String response = sendSMS("myUsername", "myPassword", "4477777777", "My test
message", "TextMessage");
        System.out.println(response);
    }
}

```

```

using System;
using System.IO;
using System.Net;
using System.Text;
using System.Web;

namespace SendSMS {
    class Program {
        public static string SendSMS(string username, string password, string to,
string message, string originator) {
            StringBuilder sb = new StringBuilder();
            byte[] buf = new byte[1024];
            string url = "http://api.textmarketer.co.uk/gateway/" +
                "?username=" + username + "&password=" + password + "&option=xml" +
                "&to=" + to + "&message=" + HttpUtility.UrlEncode(message) +
                "&orig=" + HttpUtility.UrlEncode(originator);
            HttpWebRequest request = (HttpWebRequest)WebRequest.Create(url);
            HttpWebResponse response = (HttpWebResponse)request.GetResponse();
            Stream resStream = response.GetResponseStream();
            string tempString = null;
            int count = 0;
            do {
                count = resStream.Read(buf, 0, buf.Length);
                if (count != 0) {
                    tempString = Encoding.ASCII.GetString(buf, 0, count);
                    sb.Append(tempString);
                }
            }
            while (count > 0);
            return sb.ToString();
        }
        static void Main(string[] args) {
            string respXML = SendSMS("myUsername", "myPassword", "4477777777", "My
test message", "TextMessage");
            Console.WriteLine(respXML);
        }
    }
}

```

```

using System;
using System.IO;
using System.Net;
using System.Text;
using System.Web;

namespace SendSMS {
    class Program {
        public static string SendSMS(string username, string password, string to,
string message, string originator) {
            StringBuilder sb = new StringBuilder();
            byte[] buf = new byte[1024];
            string url = "http://api.textmarketer.co.uk/gateway/" +
                "?username=" + username + "&password=" + password + "&option=xml" +
                "&to=" + to + "&message=" + HttpUtility.UrlEncode(message) +
                "&orig=" + HttpUtility.UrlEncode(originator);
            HttpWebRequest request = (HttpWebRequest)WebRequest.Create(url);
            HttpWebResponse response = (HttpWebResponse)request.GetResponse();
            Stream resStream = response.GetResponseStream();
            string tempString = null;
            int count = 0;
            do {
                count = resStream.Read(buf, 0, buf.Length);
                if (count != 0) {
                    tempString = Encoding.ASCII.GetString(buf, 0, count);
                    sb.Append(tempString);
                }
            }
            while (count > 0);
            return sb.ToString();
        }
        static void Main(string[] args) {
            string respXML = SendSMS("myUsername", "myPassword", "4477777777", "My
test message", "TextMessage");
            Console.WriteLine(respXML);
        }
    }
}

```

```

/* * Send SMS C/C++ example need curl lib download from http://curl.haxx.se/ */

#include <stdio.h>
#include <tchar.h>
#include <string.h>
#include <curl/curl.h>
#define URLSIZE 256

struct MemoryStruct {
    char *memory;
    size_t size;
};

/* Converts a hex character to its integer value */

char from_hex(char ch) {
    return isdigit(ch) ? ch - '0' : tolower(ch) - 'a' + 10;
}

```

```

}

/* Converts an integer value to its hex character*/

char to_hex(char code) {
    static char hex[] = "0123456789abcdef";
    return hex[code & 15];
}

/* Returns a url-encoded version of str */

char *url_encode(char *str) {
    char *pstr = str, *buf = (char *)malloc(strlen(str) * 3 + 1), *pbuf = buf;
    while (*pstr) {
        if (isalnum(*pstr) || *pstr == '-' || *pstr == '_' || *pstr == '.'
|| *pstr == '~')
            *pbuf++ = *pstr;
        else if (*pstr == ' ')
            *pbuf++ = '+';
        else
            *pbuf++ = '%', *pbuf++ = to_hex(*pstr >> 4), *pbuf++ =
to_hex(*pstr & 15);
        pstr++;
    }
    *pbuf = '\0';
    return buf;
}

/* CURL Callback write function */

static size_t WriteMemoryCallback(void *contents, size_t size, size_t nmemb, void
*userp) {
    size_t realsize = size * nmemb;
    struct MemoryStruct *mem = (struct MemoryStruct *)userp;
    mem->memory = (char *)realloc(mem->memory, mem->size + realsize + 1);
    if (mem->memory == NULL) {
        /* out of memory! */
        printf("not enough memory (realloc returned NULL)\n");
        exit(EXIT_FAILURE);
    }
    memcpy(&(mem->memory[mem->size]), contents, realsize);
    mem->size += realsize;
    mem->memory[mem->size] = 0;
    return realsize;
}

/* Send SMS */

char * sendSMS(const char *username, const char *password, const char *to, char
*message, char *originator) {
    static char url[URLSIZE] =
"http://api.textmarketer.co.uk/gateway/?option=xml";
    char *encoded;
    CURL *curl;
    CURLcode res;
    struct MemoryStruct chunk;
    chunk.memory = (char *)malloc(1); /* will be grown as needed by the realloc
above */
    chunk.size = 0; /* no data at this point */

```

```

curl = curl_easy_init();
if(curl) {
    strcat_s(url, URLSIZE, "&username=");
    strcat_s(url, URLSIZE, username);
    strcat_s(url, URLSIZE, "&password=");
    strcat_s(url, URLSIZE, password);
    strcat_s(url, URLSIZE, "&to=");
    strcat_s(url, URLSIZE, to);
    strcat_s(url, URLSIZE, "&message=");
    encoded = url_encode(message);
    strcat_s(url, URLSIZE, encoded);
    free(encoded);
    encoded = url_encode(originator);
    strcat_s(url, URLSIZE, "&orig=");
    strcat_s(url, URLSIZE, encoded);
    free(encoded);
    curl_easy_setopt(curl, CURLOPT_URL, url);
    /* send all data to this function */
    curl_easy_setopt(curl, CURLOPT_WRITEFUNCTION, WriteMemoryCallback);
    /* we pass our 'chunk' struct to the callback function */
    curl_easy_setopt(curl, CURLOPT_WRITEDATA, (void *)&chunk);
    if((res = curl_easy_perform(curl)) != CURLE_OK) {
        return NULL;
    }
    curl_easy_cleanup(curl);
}
return chunk.memory;
}

int main(void) {
    char *response;
    response = sendSMS("myuser", "mypass", "4477777777", "test test test",
"me");
    if(response != NULL) {
        printf(response);
        free(response);
    }
}

```

```
    getChar();
    return 0;
}
```

```
Imports System.Web
```

```
Module Module1
```

```
    Public Function SendSMS(ByVal username As String, ByVal password As String,
ByVal toPhone As String,
```

```
        ByVal message As String, ByVal originator As String)
```

```
        Dim webClient As New System.Net.WebClient
```

```
        Dim url As String = "http://api.textmarketer.co.uk/gateway/?username=" &
        username & "&password=" & password & "&option=xml" &
        "&to=" & toPhone & "&message=" &
```

```
System.Web.HttpUtility.UrlEncode(message) &
```

```
        "&orig=" & System.Web.HttpUtility.UrlEncode(originator)
```

```
        Dim result As String = webClient.DownloadString(url)
```

```
        SendSMS = result
```

```
    End Function
```

```
    Sub Main()
```

```
        Dim result As String = SendSMS("myUsername", "myPassword", "4477777777", "My
test message", "TextMessage")
```

```
        Console.WriteLine(result)
```

```
        Console.ReadKey()
```

```
    End Sub
```

```
End Module
```

```
<%@language=JScript%><%
```

```
    username = "myUsername";
```

```
    password = "myPassword";
```

```
    to = "4477777777";
```

```
    message = Server.UrlEncode("My test message");
```

```
    originator = Server.UrlEncode("TextMessage");
```

```
    url = "http://api.textmarketer.co.uk/gateway/?&option=xml" +
```

```
        "&username=" + username + "&password=" + password +
```

```
        "&to=" + to + "&message=" + message +
```

```
        "&orig=" + originator;
```

```
    var objSrvHTTP;
```

```
    objSrvHTTP = Server.CreateObject("Msxml2.ServerXMLHTTP");
```

```
    objSrvHTTP.open(url, false);
```

```
    objSrvHTTP.send();
```

```
    Response.ContentType = "text/xml";
```

```
    xmlResp = objSrvHTTP.responseXML.xml;
```

```
    Response.Write(xmlResp);%>
```

```

require 'net/http'
require 'uri'

def send_sms(username, password, to, message, originator)
  requested_url = 'http://api.textmarketer.co.uk/gateway/?option=xml' +
    "&username=" + username + "&password=" + password +
    "&to=" + to + "&message=" + URI.escape(message) +
    "&orig=" + URI.escape(originator)
  url = URI.parse(requested_url)
  full_path = (url.query.blank?) ? url.path : "#{url.path}?#{url.query}"
  the_request = Net::HTTP::Get.new(full_path)
  the_response = Net::HTTP.start(url.host, url.port) { |http|
    http.request(the_request)
  }
  raise "Response was not 200, response was #{the_response.code}" if
the_response.code != "200"
  return the_response.bodyend
resp = send_sms('myUsername', 'myPassword', '4477777777', 'My test message',
'TextMessage')

puts(resp)

```

Our example code is an illustration of how you might integrate with our systems and is not certified for production environments. You are responsible for testing and QA.

- [Next : Simple Bulk SMS API](#)
- [Home: Text Marketer Developers Documentation](#)

#### Related Content

- [Simple Bulk SMS API](#)
- [Handling Delivery Reports](#)
- [Code Examples for sending SMS](#)