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فاكس: ٦٢٧٥١١٧  
موقع: www.net2sms.net  
بريد الكتروني: info@net2sms.net



رسائل الجوال  
**Net2SMS**

# SMS-Gateway HTTP Interface

## Release 1.4

**Net2SMS.Net®**

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**Overview**

This document is intended for those users who wish to develop applications that make use of Net2sms's SMS Gateway. There are a number of different ways of gaining access to the Gateway:

- HTTP submitting either a POST or GET to the API server.
- XML – Posting to Net2sms's gateway using XML over HTTP

We will cover the First method in this document.

Additional documentation will be available soon for the other methods. Sample code is provided on the site.

**HTTP API INTRODUCTION**

This is one of the simpler server-based forms of communication to the Net2sms API. It can be used either in the form of a HTTP POST, or as an URL (GET). We recommend POST for larger data transfer due to the size limitations of GET. Communication to our API can be done either via HTTP on port 80 or HTTPS on port 443. All calls to the API must be URL-encoded.

## **1. BASIC COMMANDS**

### **1.1 SEND A MESSAGE**

To facilitate sending an SMS with a single command, we have included the ability to post UserName and password variables in `httpsend.asp`.

One can send to multiple destination addresses by delimiting the addresses with commas. The basic parameters required are PhoneNumbers =, SMSData =, Unicode = and Sender= which refer to the destination address and content of the message language sender respectively.

In the examples displayed in this document we will only refer to these basic parameters. Other parameters may be used to enable different features. These are discussed in the follow section. Each message returns a unique identifier in the form of an API Message ID. This can be used to track and monitor any given message.

Command:

<http://www.net2sms.net/api/httpsend.asp?username=xxxx&password=xxxx&phonenumber=xxxx&smsdata=xxxx&unicode=xxxx&sender=xxxx>

Response Message:

OK Status Number, Response Message, [Credit] ID: msgid

Or

Response Message:

Err Error number, Response Message

## **2. MESSAGE PARAMETERS**

There are a variety of messaging and SMS features supported by Net2sms which can be activated by including an array of additional parameters in the post. These parameters include those in the table below. Multiple parameters may be added to a single post.

Name	Description
username	Your account Username
password	Your account password
sender	The source/sender address
smsdata	The text content of the message
phonenumbers	The destination address. May be referred to as the MSISDN - an International Number. Without any '00' prefix or leading + symbol.
Unicode	Language code.
SMSDateTime	Optional Max 30 Date and Time Desired deferred delivery date and Time
SMSTest	Optional Boolean (True or False) Indicates "test" mode
SMSGateway	Optional Max 1 Integer Routing specification
SmsRef	Optional Max 20 String Id Reference sent by the user

### **2.1. MESSAGE PARAMETERS IN DETAIL**

#### **2.2 DESTINATION ADDRESS (PHONE NUMBERS)**

SMS messages need to be sent in the standard international format, with country code followed by number, no leading zero to the number, and no special characters such as "+" or spaces. For example a number in the Saudi Arabia being 0505123456 will become 966505123456.

Command:

<http://www.net2sms.net/api/httpsend.asp?username=xxx&password=xxx&phonenumbers=xxx&smsdata=xxx&unicode=xxx&sender=xxx>

#### **2.3 SOURCE ADDRESS (SENDER)**

This source address (Sender ID) can be either a valid international format number between 1 and 16 characters long or an eleven character alphanumeric string. Note: This service is not guaranteed across all telephone networks and may interfere with delivery to certain handsets. Different lengths may be supported by different networks.

Command:

<http://www.net2sms.net/api/httpsend.asp?username=xxx&password=xxx&phonenumbers=xxx&smsdata=xxx&unicode=xxx&sender=xxx>

#### **2.4 UNICODE**

If this value is set to Unicode, the text field must contain two-byte UTF-16 Unicode. Each SMS can handle a maximum of 70 characters. Each Unicode character must be hex-encoded. More information is available at <http://www.unicode.org/>. Alternatively, Net2sms provides Auto converter to convert Arabic text to Unicode within <http://www.net2sms.net> Simply set the parameter to "Arabic".

Value	Status
Arabic	Text will be Unicode and Delivered as two-byte Unicode
English	Delivers the text in English Charest
Unicode	Delivers the text as two-byte Unicode

**Command:****1 Unicode Message**

<http://www.net2sms.net/api/httpsend.asp?username=xxxx&password=xxxx&phonenumbers=xxxx&smsdata=0627064406440647&unicode=unicode&sender=xxxx>

**2 Arabic Message**

<http://www.net2sms.net/api/httpsend.asp?username=xxxx&password=xxxx&phonenumbers=xxxx&smsdata=الله&unicode=arabic&sender=xxxx>

**3 English Message**

<http://www.net2sms.net/api/httpsend.asp?username=xxxx&password=xxxx&phonenumbers=xxxx&smsdata=Test&unicode=english&sender=xxxx>

**2.5 TEST Parameter (SMSTest)**

If the SMSTest parameter is set TRUE (or 1), the Gateway will process the message but not deliver it. A result code will be returned. This mode is useful for debugging the SMS request in your application.

**2.6 Delay Delivery (SMSDateTime)**

If you wish to schedule SMS messages to send at a later date and time, you can use this parameter to indicate Delay delivery value. The upper limit is 180 days, or 259200 minutes. This should be greater than 10 minutes for best effect.

In order to delay the delivery of an SMS message, include the parameter SMSDateTime =. Set this to a relative value of the number of minutes you wish the message to be delayed by. Net2sms will store the message until the required timeframe has elapsed. The maximum delay time is 259200 minutes or 180 days.

**2.7 Routing (MSGateway)**

This optional parameter indicates the choice of the routing. Leave blank or set to zero (0) for the automatic routing.

**2.8 Reference (SMSRef)**

This parameter allow to send an ID Reference. The string will be saved inside the record of the sms sent.

### **3. ADDITIONAL COMMANDS**

#### **3.1 QUERY BALANCE**

This will return the number of credits available on this particular account. The account balance is returned as a floating point value.

Command:

<http://www.net2sms.net/api/getbalance.asp?username=xxxx&password=xxxx>

Response:

Credit = xx

or

ERR: Error number

#### **3.2 QUERY TRANSACTION STATUS**

This will return the status of a transaction.

Command:

<http://www.net2sms.net/api/querytran.asp?username=xxxx&password=xxxx&tranID=xxxxx>

Response:

StrTransactionID =xxxxx ,Status =xxxx ,SMSCounts =99 ,SMSSent =99 ,SMSError =99

or

ERR: Error number

#### **3.3 QUERY SENDER ID**

This will return the registered sender ID

Command:

<http://www.net2sms.net/api/GetSender.asp?username=xxxx&password=xxxx>

Response:

Sender = xx

or

ERR: Error number

#### **3.4 QUERY ACCESS LEVEL**

This will return the Access level

Command:

<http://www.net2sms.net/api/Getlevel.asp?username=xxxx&password=xxxx>

Response:

Access\_Level = xx

or

ERR: Error number

## **4. SMS MESSAGE EXAMPLES**

Here are some example URL's that demonstrate how to use the API. All values in these examples should be replaced by your own values.

### **4.1 SIMPLE EXAMPLES**

Sendmsg Command including authentication and sender ID:

<http://www.net2sms.net/api/httpsend.asp?username=demo&password=demo&phonenumbers=1234567890123&smsdata=initial+test+message&sender=ME&unicode=english>

### **4.2 DELAY DELIVERY EXAMPLES**

This is a delay delivery examples for 2 hours

<http://www.net2sms.net/api/httpsend.asp?username=demo&password=demo&phonenumbers=1234567890123&smsdata=initial+test+message&sender=ME&unicode=english&SMSDateTime=120>



## **APPENDIX A: ERROR CODES**

The following list of error messages are generated by the Net2sms Gateway. There will be no message charge if these errors are generated when sending a message.

<b>Number</b>	<b>Description</b>
010	Authentication failed, Invalid Username Or Password"
011	Authentication failed, User Not Active
012	Authentication failed, User Expired
020	Invalid Sender
030	Invalid Phone Numbers
040	Invalid Unicode parameter
045	Invalid SMSTest parameter
050	Credit Not Available
060	SMSData Not valid
070	Session Time Out
075	Invalid DateTime parameter
076	Maximum delay time exceeded
080	Database Error
090	Gateway Error
091	Invalid Gateway parameter
092	Gateway Is Down
095	Service Is Down
096	Invalid Transaction ID
099	Authentication failed, Error

**APPENDIX B: MESSAGE STATUS**

<b>Number</b>	<b>Description</b>	<b>Detail</b>
000	OK	Message Has Been Sent
001	Message queued	The message has been queued for attempted redelivery.