



## SMSLive247.com SMS HTTP API v3.0.8

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## **OVERVIEW**

This document is intended for those users who wish to develop applications that make use of our SMS Gateway. It is recommended that you have an understanding of sub-accounts before reading this document. Information about sub-accounts is available from the [www.\[YOUR DOMAIN\].com](http://www.[YOUR DOMAIN].com) website.

There are a number of different ways of gaining access to the Gateway:

- HTTP - submitting either a POST or GET to the API server.
- ~~· SMPP - Customers requiring a high throughput binary socket connection~~
- ~~· SMTP - enabling a server or client generated e-mail to be delivered as an SMS.~~

We will cover the HTTP method in this document. Additional documentation is available for the other methods. Sample code is provided on the site.

## **INTRODUCTION**

This is one of the simpler server-based forms of communication to with our Gateway. 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. All calls to the API must be URL-encoded.

One can send to multiple destination addresses by delimiting the addresses with commas. A maximum of 100 comma separated destination addresses per **sendmsg** or **sendquickMsg** command are possible, if you are calling the command via a GET, or alternatively, 300 destination addresses if you are submitting via a POST.

## **1. GETTING STARTED**

In order to use the [YOUR DOMAIN] gateway you need a [YOUR DOMAIN] account and password.

## **2. API COMMANDS**

In order to send a message, the system will firstly need to authenticate you as a valid user. The preferred method of authentication is using the **Login** command. Whilst it involves an additional step, it is far more secure in that you only have to pass login details once, to obtain a **sessionID**. If you do not use **Login** to obtain a **sessionID**, you will have to pass your account details with every command.

All other commands are then made up of three segments: authentication, the basic message components (message content and recipients) and the additional message parameters. In the examples below, we will include the authentication and basic message components. The additional message parameters will be included only where they are relevant.

The following API commands are supported.

1. **Login**
2. **SendMsg**
3. **SendQuickMsg**
4. **QueryBalance**
5. **QueryMsgCharge**
6. **QueryMsgStatus**
7. **QueryCoverage**
8. **Recharge**
9. **StopMsg**

## **2.01 LOGIN COMMAND**

### **Description**

In order to deliver a message, the system needs to authenticate the request as coming from a valid source. We use a number of parameters to achieve this:

- **username:** This is the login email of your account.
- **password:** This is the login password of your account.

This **sessionID** must be used with all future commands to the API, except the **SendQuickMsg** command.

### **Syntax**

**`http://[yourdomain.com]/http/index.aspx?cmd=login&username=xxx&password=xxx`**

### **Parameters Required**

*cmd*

Command to perform. In this case **cmd=login**.

*Username*

This is same as your login email address.

*Password*

This is same as your login password.

### **Return Values**

OK: [SESSIONID]

-or-

ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]

## **2.02 SENDMSG COMMAND (Send a Message)**

### **Description**

This is the preferred method for sending messages. Use the Login command to retrieve a valid **sessionID**, and then use that **SessionID** in a call to **SendMsg**.

One can send to multiple destination addresses by delimiting the addresses with commas. The basic parameters required are **sendto** (the handset number to which the message is being sent) and **message** (the content of the message). A maximum of 100 comma separated destination addresses per **SendMsg**, or **SendQuickMsg** command, are possible, if you are calling the command via a GET, or alternatively, 300 destination addresses if you are submitting via a POST.

Each message returns a unique identifier in the form of a **messageID**. This can be used to track and monitor any given message. The **messageID** is returned after each post.

### **Syntax**

**http://[yourdomain.com]/http/index.aspx?cmd=sendmsg&sessionid=xxx&message=xxx  
&sender=xxx&sendto=xxx&msgtype=0**

### **Parameters Required**

*cmd*

Command to perform. In this case **cmd=sendmsg**.

*SessionID*

The **SessionID** returned by the **Login** command.

*Message*

The SMS Message you wish to send. 160 chars maximum.

*Sender*

The FROM part of the SMS can be alphanumeric or just numbers.

*SendTo*

The destination phone numbers coma separated for multiple numbers.

*MsgType*

The type of the message either TEXT = 0 or FLASH = 1.

*SendTime*

The **UTC/GMT** Date and Time when the message should be sent. A valid format is "2 Jan 2008 6:30 PM" or "22 Dec 2009 22:31". If you ignore this parameter or put in a date that is in the past, the message would be sent immediately.

### **Return Values**

OK: [MESSAGEID]

-or-

ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]

## **2.03 SENDQUICKMSG COMMAND (Send a Message without previous login)**

### **Description**

To facilitate sending an SMS with a single command, we have included the ability to post **email**, **subacct** and **subacctpwd** variables in **SendQuickMsg**. This is only required if you do not authenticate yourself using the **Login** command. Using a **sessionID** is preferred to authenticating each time.

One can send to multiple destination addresses by delimiting the addresses with commas. A maximum of 100 comma separated destination addresses per **SendMsg**, or **SendQuickMsg** command, are possible, if you are calling the command via a GET, or alternatively, 300 destination addresses if you are submitting via a POST.

Each message returns a unique identifier in the form of a **messageID**. This can be used to track and monitor any given message. The **messageID** is returned after each post.

### **Syntax**

**http://[yourdomain.com]/http/index.aspx?cmd=sendquickmsg&username=xxx&password=xxx  
&message=xxx&sender=xxx&sendto=xxx&msgtype=0**

### **Parameters Required**

*cmd*

Command to perform. In this case **cmd=sendquickmsg**.

*Username*

This is same as your login email address.

*Password*

This is same as your login password.

*Message*

The SMS Message you wish to send. 160 chars maximum.

*Sender*

The FROM part of the SMS, this can be alphanumeric or just numbers.

*SendTo*

The destination phone numbers coma separated for multiple numbers.

*MsgType*

The type of the message either TEXT = 0 or FLASH = 1. Default is TEXT.

*SendTime*

The **UTC/GMT** Date and Time when the message should be sent. A valid format is "2 Jan 2008 6:30 PM" or "22 Dec 2009 22:31". If you ignore this parameter or put in a date that is in the past, the message would be sent immediately.

### **Return Values**

OK: [MESSAGEID]

-or-

ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]

## **2.04 QUERYBALANCE COMMAND (Get Account Balance)**

### **Description**

This will return the number of credits available on this particular account. The account balance is returned as an integer value. Authentication is required for this API call.

### **Syntax**

**http://[yourdomain.com]/http/index.aspx?cmd=querybalance&sessionid=xxx**

### **Parameters Required**

*cmd*

Command to perform. In this case **cmd=querybalance**.

*SessionID*

The **SessionID** returned by the **Login** command.

### **Return Values**

OK: [CREDIT BALANCE]

-or-

ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]



## **2.05 QUERYMSGCHARGE COMMAND (Query a Message)**

### **Description**

This command enables the user to query total credits charged for a delivered message. Authentication is required for this API call.

### **Syntax**

**http://[yourdomain.com]/http/index.aspx?cmd=querymsgcharge&sessionid=xxx  
&messageid=xxx**

### **Parameters Required**

*cmd*

Command to perform. In this case **cmd=querymsgcharge**.

*SessionID*

The **SessionID** returned by the **Login** command.

*MessageID*

The **MessageID** returned by the **SendMsg** or **SendQuickMsg** methods when the message was sent.

### **Return Values**

OK: [CHARGE]

-or-

ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]

## **2.06 QUERYMSGSTATUS COMMAND (Query a Message)**

### **Description**

This command is used to return the status of a message. You should query the status using the **MessageID**. The **MessageID** is the message ID returned by the Gateway when a message has been successfully submitted. Authentication is required for this API call.

### **Syntax**

**http://[yourdomain.com]/http/index.aspx?cmd=querymsgstaus&sessionid=xxx  
&messageid=xxx**

### **Parameters Required**

*cmd*

Command to perform. In this case **cmd=querymsgstatus**.

*SessionID*

The **SessionID** returned by the **Login** command.

*MessageID*

The **MessageID** returned by the **SendMsg** or **SendQuickMsg** methods when the message was sent.

### **Return Values**

OK: [MESSAGE STATUS]

-or-

ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]

## **2.07 QUERYCOVERAGE COMMAND (Check if Network is supported)**

### **Description**

This command enables users to check our coverage of a network or mobile number, without sending a message to that number. Authentication is required for this API call. This call should NOT be used before sending each message.

### **Syntax**

**http://[yourdomain.com]/http/index.aspx?cmd=querycoverage&sessionid=xxx&msisdn=xxx**

### **Parameters Required**

*cmd*

Command to perform. In this case **cmd=querycoverage**.

*SessionID*

The **SessionID** returned by the **Login** command.

*MSISDN*

The Mobile number who's Network you want to check.

### **Return Values**

OK: [TRUE/FALSE]

-or-

ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]

## **2.08 RECHARGE COMMAND** (Top-up sub-account)

### **Description**

Top-up the [YOUR DOMAIN] sub-account using a purchased recharge voucher, and returns the new balance. The recharge voucher code is currently a 16 digit number.

### **Syntax**

**http://[yourdomain.com]/http/index.aspx?cmd=recharge&sessionid=xxx&rcode=xxx**

### **Parameters Required**

*cmd*

Command to perform. In this case **cmd=recharge**.

*SessionID*

The **SessionID** returned by the **Login** command.

*rCode*

The 16 Digit recharge code.

### **Return Values**

OK: [NEW BALANCE]

-or-

ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]

## **2.09 STOPMSG COMMAND (Stop a Message)**

### **Description**

This enables you to stop the delivery of a scheduled message. This command can only stop messages which maybe queued within our router, and not messages which have already been delivered to a SMSC. This command is therefore only really useful for messages with deferred delivery times. Authentication is required for this API call.

### **Syntax**

**`http://[yourdomain.com]/http/index.aspx?cmd=stopmsg&sessionid=xxx&messageid=xxx`**

### **Parameters Required**

*cmd*

Command to perform. In this case **cmd=stopmsg**.

*SessionID*

The **SessionID** returned by the **Login** command.

*MessageID*

The **MessageID** returned by the **SendMsg** or **SendQuickMsg** commands when the message was sent.

### **Return Values**

OK: [TRUE/FALSE]

-or-

ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]

### **3. MESSAGE PARAMETERS IN DETAIL**

#### **3.1 Destination address (sendto)**

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 must be used. For example, a number in the UK being 07901231234 should be changed to 447901231234.

If have you set the preferred dial prefix preference within your client account after logging in online, any mobile numbers starting with zero will have the zero stripped and replaced with your default prefix. If the mobile number does not have a zero, the default prefix will not be changed.

#### **3.2 Source address (sender)**

The source address (**sender**), also known as the sender ID, can be either a valid international format number between 1 and 16 characters long, or an 11 character alphanumeric string. Note that characters such as spaces, punctuation, Unicode and other special characters may not always be supported to all destinations and could interfere with your delivery.

We suggest that you refrain from using such characters on the source address. If this is set, then delivery acknowledgements may be unavailable. The use of an alphanumeric source address with 8-bit messaging may cause message failure. This service is not guaranteed across all mobile networks and may interfere with delivery to certain handsets.

#### **3.3 Message Type (msgtype)**

The [YOUR DOMAIN] gateway supports two types of messages, TEXT and FLASH. TEXT messages are the normal SMS messages that deliver into the inbox of the mobile device. A FLASH message on the other hand, deliver directly to the mobile device screen and is shown immediately. The user may now choose to save it into the inbox if his mobile handset supports that option.

## **4. MESSAGE EXAMPLES**

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

### **4.1 SIMPLE EXAMPLES**

**SendQuickMsg** command including authentication and Sender ID:

`http://[yourdomain.com]/http/index.aspx?cmd=sendquickmsg&username=you@demo.com&password=secret&message=my+first+message&sender=ME&sendto=08057071234&msgtype=0`

Initial authentication:

`http://[yourdomain.com]/http/index.aspx?cmd=login&username=me@demo.com&password=secret`

All further commands will use a sessionId generated using auth command above:

**SendMsg** command:

`http://[yourdomain.com]/http/index.aspx?cmd=sendmsg&sessionId=e74deelbbed22ee3a39f9aeab606ccf9&message=my+first+message&sender=ME&sendto=08020222222&msgtype=0`

Flash SMS:

`http://[yourdomain.com]/http/index.aspx?cmd=sendmsg&sessionId=e74deelbbed22ee3a39f9aeab606ccf9&message=my+first+message&sender=ME&sendto=08020222222&msgtype=1`

Account balance:

`http://[yourdomain.com]/http/index.aspx?cmd=querybalance&sessionId=e74deelbbed22ee3a39f9aeab606ccf9`

Query message status:

`http://[yourdomain.com]/http/index.aspx?cmd=querymsgstatus&sessionId=e74deelbbed22ee3a39f9aeab606ccf9`

## **5. APPENDIX A: ERROR CODES**

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

<b>NUMBER</b>	<b>DESCRIPTION</b>	<b>DETAIL</b>
0	No Error	
100	General Error	Errors occurred trying to perform the requested action
401	Invalid Session ID	
402	Invalid Sub-Account or Password	
403	Invalid Recharge Voucher code	
404	Insufficient Credit	Insufficient credit to complete request.
405	Recharge Voucher is disabled	
406	Recharge Voucher is already used	
407	Forbidden/Access Denied	
408	Invalid Range	Data supplied is not in expected format.
409	Gateway Error	
410	Account is disabled	



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Bulk SMS Gateway API.

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