

SMSLive247.com SMS HTTP API v1.1.3

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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.smslive247.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.

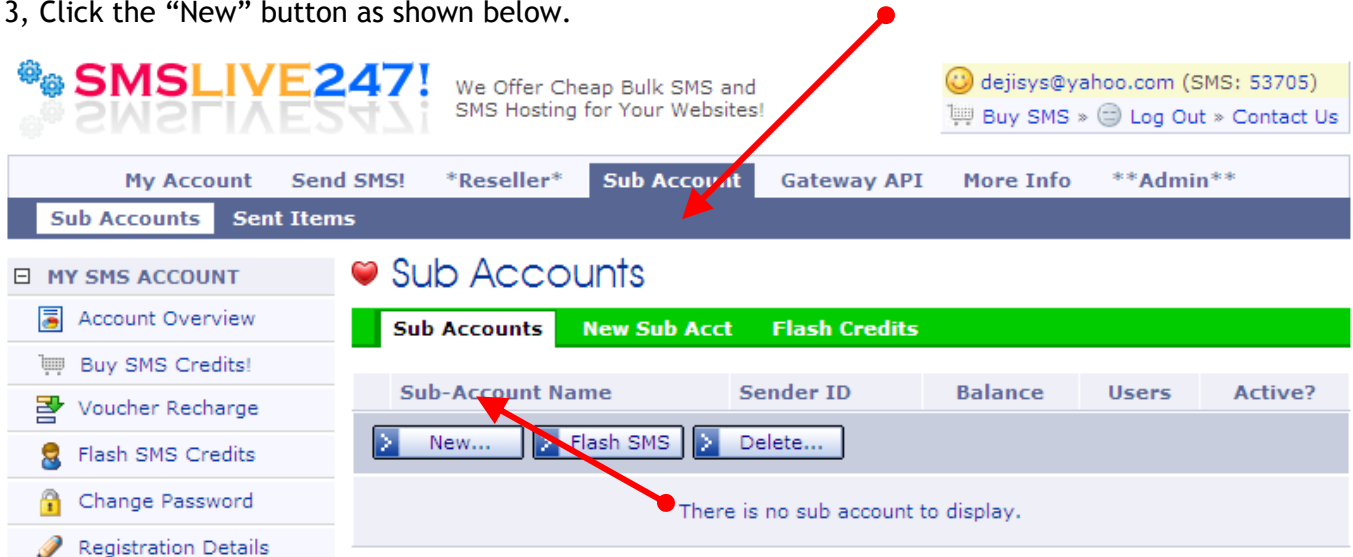
GETTING STARTED

In order to use the SMSLive247 gateway you need a SMSLive247 account and at least one sub-account, the following section shows you how this is done.

1. CREATE A SUB-ACCOUNT

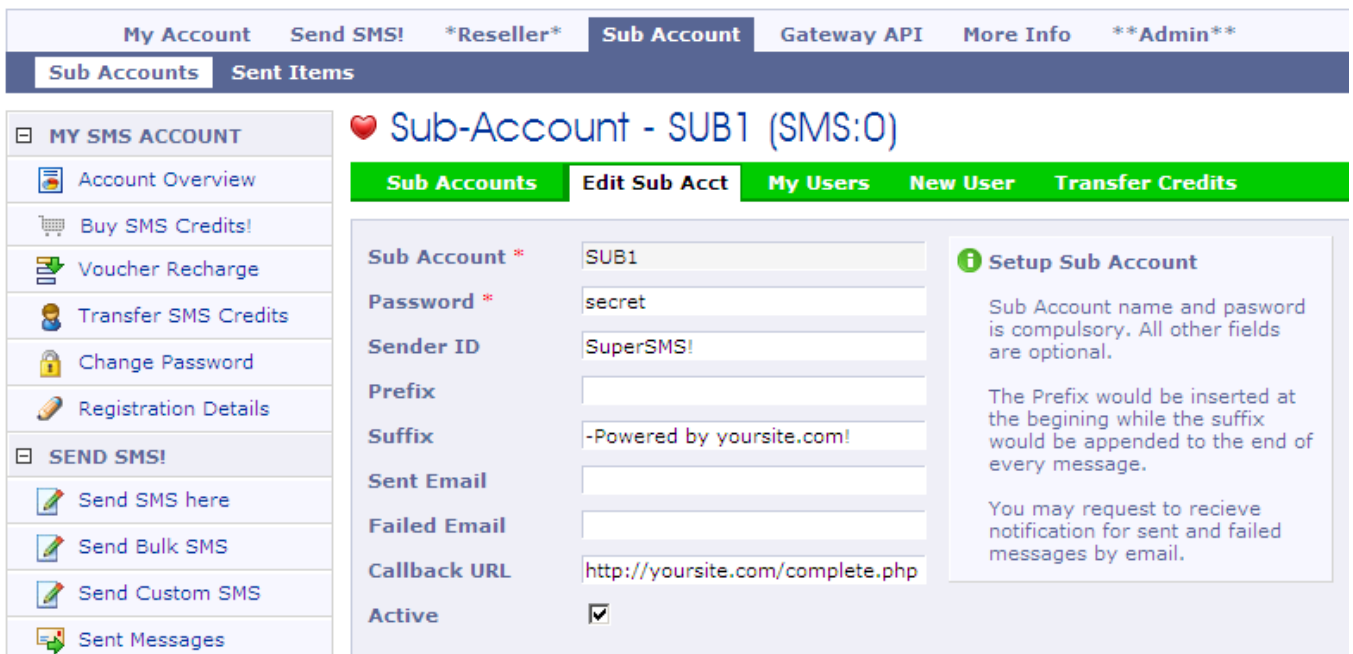
Please follow the steps below to create a sub-account for your SMS application.

- 1, You must have registered on smslive247.com. Next, login to your account.
- 2, Click the “Sub Account” tab as shown below.
- 3, Click the “New” button as shown below.



The screenshot shows the SMSLIVE247! dashboard. The top navigation bar includes links: My Account, Send SMS!, *Reseller*, Sub Account, Gateway API, More Info, and **Admin**. The 'Sub Account' tab is selected. Below the navigation bar, there's a sidebar with 'MY SMS ACCOUNT' options: Account Overview, Buy SMS Credits!, Voucher Recharge, Flash SMS Credits, Change Password, and Registration Details. The main content area is titled 'Sub Accounts' and has a green header with 'Sub Accounts', 'New Sub Acct', and 'Flash Credits'. Below this is a table with columns: Sub-Account Name, Sender ID, Balance, Users, and Active?. The table is currently empty, and a message at the bottom says 'There is no sub account to display.' A red arrow points to the 'New...' button in the table.

- 4, The form to create a new sub-account shows next. Fill in the Form, a sample is shown below. Hit the “save” button when you’re done. Please refer to the table below for details on how to fill this page.



The screenshot shows the SMSLIVE247! dashboard with the 'Sub-Account - SUB1 (SMS:0)' form. The top navigation bar is the same as the previous screenshot. The 'Sub Account' tab is selected. The sidebar is the same. The main content area is titled 'Sub-Account - SUB1 (SMS:0)' and has a green header with 'Sub Accounts', 'Edit Sub Acct', 'My Users', 'New User', and 'Transfer Credits'. Below this is a form with the following fields: Sub Account (SUB1), Password (secret), Sender ID (SuperSMS!), Prefix, Suffix (-Powered by yoursite.com!), Sent Email, Failed Email, Callback URL (http://yoursite.com/complete.php), and Active (checked). A sidebar on the right contains a 'Setup Sub Account' section with instructions: 'Sub Account name and password is compulsory. All other fields are optional. The Prefix would be inserted at the beginning while the suffix would be appended to the end of every message. You may request to receive notification for sent and failed messages by email.'

DESCRIPTION OF SUB-ACCOUNT FIELDS		
1	Sub-Account (mandatory)	The name of the Sub-Account. Should NOT contain spaces. All your Sub-Accounts should have unique names.
2	Password (mandatory)	The password for accessing the Sub-Account.
3	Sender ID (mandatory)	This is the name that appears to have sent the SMS. Usually the company name. 11 characters maximum length.
4	Prefix	All messages from this sub-account will be prefixed with this text.
5	Suffix	This will be appended to the end of every SMS sent from this sub-account.
6	Sent Email	This email address will be notified with an email if a message was sent successfully.
7	Failed Email	This email address will be notified with an email if a message failed for whatever reason.
8	Callback URL	This URL will be notified with parameters when a bulk batch completes. Please see Appendix B below.
9	Active?	Enable or disable the Sub-Account.


After you hit the “save” button, you should see the page shown below, note that your sub-account has been created now.

My Account
Send SMS!
Reseller
Sub Account
Gateway API
More Info
Admin

Sub Accounts
Sent Items

MY SMS ACCOUNT
Account Overview
Buy SMS Credits!
Voucher Recharge
Transfer SMS Credits
Change Password
Registration Details
SEND SMS!

Sub Accounts
New Sub Acct
Transfer Credits

Sub-Account Name	Sender ID	Balance	Users	Active?
 SUB1	SuperSMS!	0 [Add SMS]	0	True

Transfer SMS
New...
Delete...

< Prev Next > | Sub Account 1 - 1 of 1

Your sub-account has been created, however you’ll notice that the credit balance of this sub-account is zero. This sub-account needs to be credited to be able to send messages. You can transfer credits from your main account to your sub-account and vice-versa.

5, Click the “Add SMS” link of the sub-account to transfer credits to this account.

6, Enter the total credits to transfer, then click “Send Now” shown below.

My Account **Send SMS!** ***Reseller*** **Sub Account** Gateway API More Info **Admin**

Sub Accounts Sent Items

MY SMS ACCOUNT

- Account Overview
- Buy SMS Credits!
- Voucher Recharge
- Transfer SMS Credits
- Change Password
- Registration Details

SEND SMS!

- Send SMS here
- Send Bulk SMS

♥ Sub Accounts - Transfer SMS Credits!

Sub Accounts
Edit Sub Acct
My Users
New User
Transfer Credits

● From [dejisys@yahoo.com] to [SUB1]

○ From [SUB1] to [dejisys@yahoo.com]

Old Balance	52500
Credits to Send *	<input type="text" value="1000"/>
New Balance	51500

i How to Transfer Credits

Select destination account and the amount of credit to transfer then click the 'Send Now' button.

The list below shows all your successful transfers to / from this account.

You have successfully setup your sub-account!

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**
10. **GetMsgHistory**

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:

- **owneremail:** This is the login email of your account.
- **subacct:** This is the sub-account you created for sending SMS via the API.
- **subacctpwd:** The password you created for the sub-account. This is not the same as your login password.

On successful login, a **sessionID** value is returned. This **sessionID** must be used with all future commands to the API, except the **SendQuickMsg** command.

Syntax

**http://www.smslive247.com/http/index.aspx?cmd=login&owneremail=xxx&subacct=xxx
&subacctpwd=xxx**

Parameters Required

cmd

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

OwnerEmail

Your main account login email. This is the email you registered on SMSLive247 with.

SubAcct

The sub-account you created for sending SMS via this API.

SubAcctPwd

The sub-account password. This is NOT same as your main account 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://www.smslive247.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. Maximum of 160 characters.

Sender

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

SendTo

1. The destination phone numbers coma separated for multiple numbers.
Example: **sendto=2348057055555,4470989777,913245678**
2. To send BULK, this parameter should point to a valid bulk text file on your server. Example: **sendto=http://yourdomain.com/bulk/customers.txt**

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://www.smslive247.com/http/index.aspx?cmd=sendquickmsg&owneremail=xxx&subacct=xxx&subacctpwd=xxx&message=xxx&sender=xxx&sendto=xxx&msgtype=0>

Parameters Required

cmd

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

OwnerEmail

Your main account login email. This is the email you registered on SMSLive247 with.

SubAcct

The sub-account you created for sending SMS via this API.

SubAcctPwd

The sub-account password. This is NOT same as your main account password.

Message

The SMS Message you wish to send. Maximum of 160 characters.

Sender

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

SendTo

1. The destination phone numbers coma separated for multiple numbers.
Example: **sendto=2348057055555,4470989777,913245678**
2. To send BULK, this parameter should point to a valid bulk text file on your server. Example: **sendto=http://yourdomain.com/bulk/customers.txt**

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]

2.04 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://www.smslive247.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://www.smslive247.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://www.smslive247.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://www.smslive247.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 SMSLive247 sub-account using a purchased recharge voucher, and returns the new balance. The recharge voucher code is currently a 16 digit number.

Syntax

<http://www.smslive247.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://www.smslive247.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]

2.09 GETSENTMSGSGS COMMAND (Get List of Sent Messages)

Description

This enables you to search and return sent messages. Paging is used so that you return messages in batches instead of all at once. This is very useful when the messages returned are much and may slow down processing and consume bandwidth. Authentication is required for this API call.

Syntax

`http://www.smslive247.com/http/index.aspx?cmd=getsentmsgsgs&sessionid=xxx&pagesize=xxx&pagenumber=xxx&begindate=xxx&enddate=xxx&sender=xxx&contains=xxx`

Parameters Required

cmd

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

SessionID

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

PageSize

Messages are returned in “pages”. **PageSize** is the number of rows to return at once. Minimum value is 5 and maximum is 300, default is 5.

PageNumber

PageNumber is the current “page” of rows to return. Default value is 1. If **PageSize** is 100 and **PageNumber** is 3 then rows 201 to 300 is returned

BeginDate

Search Messages that fall between a date range. **BeginDate** is the first date. This parameter is required.

EndDate

Search Messages that fall between a date range. **EndDate** is the second date. This parameter is required.

Sender

You may choose to return Messages that have a specific **SenderID**. Leave blank if you don't care about specific **SenderID**.

Contains

You may choose to return Messages that have a specific content. Leave blank if you don't care about specific text.

Return Values

OK: [TOTALROWS]
[RAW DATA RETURNED AS XML/XLS/CSV]
-or-
ERR: [ERROR NUMBER]: [ERROR DESCRIPTION]

Example

OK: 588

Interpreted as rows 101 to 200 returned out of 588 rows. Here the page size used is 100 and page number is 2.

3. MESSAGE PARAMETERS IN DETAIL

3.1 Message Text (message)

The message text should be 160 characters for standard message.

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 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 08051234567 should be changed to 2348051234567.

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.

3.4 Message Type (msgtype)

The SMSLive247 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.

3.5 Send Time (sendtime)

todo.

3.6 Message ID (messageid)

todo.

3.7 Mobile Number (msisdn)

Msisdn has the same requirement as the **sendto** parameter above. Please refer to 3.3 above.

3.8 Recharge Code (rcode)

todo.

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://www.smslive247.com/http/index.aspx?cmd=sendquickmsg&owneremail=you@demo.com
&subacct=family&subacctpwd=secret&message=my+first+message&sender=ME&sendto=080570
71234&msgtype=0
```

Initial authentication:

```
http://www.smslive247.com/http/index.aspx?cmd=login&owneremail=me@demo.com&subacct
=family&subacctpwd=secret
```

All further commands will use a sessionID generated using Login command above:

Send a message:

```
http://www.smslive247.com/http/index.aspx?cmd=sendmsg&sessionid=e74dee1bbed22ee3a3
9f9aeab606ccf9&message=my+first+message&sender=ME&sendto=08020222222&msgtype=0
```

Send Bulk message:

```
http://www.smslive247.com/http/index.aspx?cmd=sendmsg&sessionid=e74dee1bbed22ee3a3
9f9aeab606ccf9&message=my+first+message&sender=ME&sendto=http://yourserver.com/bul
k/myfriends.text&msgtype=0
```

Flash SMS:

```
http://www.smslive247.com/http/index.aspx?cmd=sendmsg&sessionid=e74dee1bbed22ee3a3
9f9aeab606ccf9&message=my+first+message&sender=ME&sendto=08020222222&msgtype=1
```

Account balance:

```
http://www.smslive247.com/http/index.aspx?cmd=querybalance&sessionid=e74dee1bbed22
ee3a39f9aeab606ccf9
```

Query message status:

```
http://www.smslive247.com/http/index.aspx?cmd=querymsgstatus&sessionid=e74dee1bbed
22ee3a39f9aeab606ccf9
```

```
<?PHP
```

```
/*
Sample code for sending SMS through HTTP API.
Author: Ayodeji Ajala, iDevWorks Technologies Limited <deji@idevorks.com>
Application granted only for SMSLive247 customers.
*/
```

```
/* Variables with the values to be sent. */
```

```
$owneremail="you@demo.com";
$subacct="SUB1";
$subacctpwd="secret";
$sendto="08051234567";      /* destination number */
$sender="PHP DEMO";         /* sender id */
$message="This is a test";  /* message to be sent */
```

```
/* create the required URL */
```

```
$url = "http://www.smslive247.com/http/index.aspx?"
      . "cmd=sendquickmsg"
      . "&owneremail=" . urlencode($owneremail)
      . "&subacct=" . urlencode($subacct)
      . "&subacctpwd=" . urlencode($subacctpwd)
      . "&msg=" . urlencode($msg);
```

```
/* call the URL */
```

```
if ($f = @fopen($url, "r"))
{
    $answer = fgets($f, 255);
    if (substr($answer, 0, 1) == "+")
    {
        echo "SMS to $dnr was successful.";
    }
    else
    {
        echo "an error has occurred: [$answer].";
    }
}
else
{
    echo "Error: URL could not be opened.";
}
```

```
?>
```

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.

NUMBER	DESCRIPTION	DETAILS
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	

6. APPENDIX B: CALLBACK URL PARAMETERS

To receive a notification when bulk message batch is completed when sent via the HTTP API, you need to setup the **Callback URL** as shown below. Our servers will send values (via HTTP GET) to this URL when a message batch is completed via this Sub-Account.

The screenshot shows the 'Sub Account - SUB1 (SMS:0)' management page. The 'Callback URL' field is highlighted with a red box, showing the value 'http://yoursite.com/complete.php'. The 'Active' checkbox is checked. A green box highlights the 'Sub Accounts' tab. A blue box highlights the 'Setup Sub Account' information panel, which contains instructions: 'Sub Account name and password is compulsory. All other fields are optional.', 'The Prefix would be inserted at the beginning while the suffix would be appended to the end of every message.', and 'You may request to receive notification for sent and failed messages by email.'

The following parameters would be sent via GET to the callback URL setup on the sub-account.

PARAMETER	DESCRIPTION	SAMPLE VALUE
MessageID	The Message identifier for the batch message. Numeric value.	23456
TotalSent	Total messages delivered to mobile subscribers.	100
TotalFailed	Total messages failed.	3
TotalCharged	Total credits charged for the bulk messages sent. This value may be greater than TotalSent since some networks charge more than others.	126
Balance	The remaining credit balance on the Sub-Account.	550
Status	The batch message status.	COMPLETED, PAUSED, ABORTED

CONTACT DETAILS:

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