



OVERVIEW

This document is intended for those users who wish to develop applications that make use of our SMS gateway.

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

- HTTP / HTTPS - submitting either a POST or GET to the API server.
- FTP – uploading a text file to our FTP Server.
- XML – posting to our gateway using XML over HTTP.
- SMPP – customers requiring a high throughput binary socket connection.

We will cover the **HTTP** method in this document. Additional documentation is available for the other methods.

ACCOUNT LOGIN DETAILS

USERNAME: **xxxx**

PASSWORD: **xxxx**

API – ID: **123456**

BASIC 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 *auth* 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 session ID. If you do not use auth to obtain a session ID, 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.

This feature is used to confirm if an authentication is available using VB.NET

```
dim getrequest as new Httpwebrequest
dim getresponse as new Httpwebresponse

dim response as Httpwebresponse
dim request as Httpwebrequest
request=getrequest.create
("http://www.mytxtbox.com/smsgshapi.ashx/auth?api_id=xxxx&user=xxxx&password=xx
xx")
```

```
response= request.GetResponse();
```

Dim Reader As

```
StreamReader = New StreamReader(response.GetResponseStream(),Encoding.UTF8)
Dim GetAuthenticate as String = reader.ReadToEnd();
```

Response :

Ok:UNIQUE ID e.g [Ok](#):203

or

Err: Message Error e.g Err: login account does not exist;

PING SMS SERVER

This command prevents the session from expiring in periods of inactivity. This feature checks to see if there is a connection to the SMS server using VB.NET

```
dim getrequest as new Httpwebrequest
dim getresponse as new Httpwebresponse
```

```
dim response as Httpwebresponse
dim request as Httpwebrequest
request=getrequest.create
("http://www.mytxtbox.com/smsgshapi.ashx/ping?session_id=1")
response= request.GetResponse();
```

Dim Reader As

```
StreamReader = New StreamReader(response.GetResponseStream(),Encoding.UTF8)
Dim getping as String = reader.ReadToEnd();
if getping="true"
'msgbox ("connection successful")
else
'msgbox ("connection failed")
end if
```

SEND A MESSAGE

To facilitate sending an SMS with a single command, we have included the ability to post **api_id**, **user** and **password** variables in *sendmsg*. This is only required if you do not authenticate yourself using the authentication command (*auth*). Using a session ID is preferred to authenticating each time.

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

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 following 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. The API message ID (**apiMsgid**) is returned after each post.

Command Using VB.NET:

```
dim getrequest as new Httpwebrequest  
dim getresponse as new Httpwebresponse
```

```
dim response as Httpwebresponse  
dim request as Httpwebrequest  
request=getrequest.create
```

```
("http://www.mytxtbox.com/smsgshapi.ashx/sendmsg?api\_id=xxxx&user=xxxx&password=xxxx&to=xxxx&text=xxxx")
```

```
response= request.GetResponse();
```

Dim reader As

```
StreamReader = New StreamReader(response.GetResponseStream(),Encoding.UTF8)  
Dim GetMessageValue as String = reader.ReadToEnd();
```

Response :

ID:UNIQUE ID e.g ID:erdf3466236ghfrty262626fgb

or

Err: Message Error e.g Err: run of credits,Err:invalid login credentials;

MESSAGE PARAMETERS IN DETAIL

Destination address (to)

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 Ghana being 0209202023 should be changed to 233209202023.

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.

Command:

http://www.mytxtbox.com/smsgshapi.ashx/sendmsg?api_id=xxxx&user=xxxx&password=xxxx&to=xxxx&text=xxxx

Source address (from)

The source address (**from**), 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.

Command:

http://www.mytxtbox.com/smsgshapi.ashx/sendmsg?api_id=xxxx&user=xxxx&password=xxxx&to=xxxx&text=xxxx&from=xxxx

SCHEDULE A MESSAGE

This feature is used to post messages to the SMS server for later delivery using VB.NET

```
dim getrequest as new Httpwebrequest  
dim getresponse as new Httpwebresponse
```

```
dim response as Httpwebresponse  
dim request as Httpwebrequest
```

```
request=getrequest  
.create("http://www.mytxtbox.com/smsgshapi.ashx/sendscheduledmsg?api_id=xxxx&user=  
xxxx&password=xxxx&to=xxxx&text=xxxx&timetosend=xxxx")
```

'e,g

http://www.mytxtbox.com/smsgshapi.ashx/sendscheduledmsg?api_id=24534&user=msg

[h&password=smsg1&to=233275364345&text=send+me+a+text&timetosend=04/12/2008 12:00:00"](http://www.mytxtbox.com/smsgapi.ashx/getbalance?api_id=xxxx&user=xxxx&password=xxxx)note : timetosend format mm/dd/YYYY HH:mm:ss

```
response= request.GetResponse();  
Dim reader As  
StreamReader = New StreamReader(response.GetResponseStream(),Encoding.UTF8)  
Dim GetMessageValue as String = reader.ReadToEnd();
```

Response :
MsgId:UNIQUE ID e.g MsgId:erdf3466236ghfrty262626fgb

or
Err: Message Error e.g Err: run of credits,Err:invalid login credentials;

QUERY BALANCE

This feature returns credit value on your SMSGH account from the SMS server using VB.NET

```
dim getrequest as new Httpwebrequest  
dim getresponse as new Httpwebresponse
```

```
dim response as Httpwebresponse  
dim request as Httpwebrequest  
request=getrequest.create
```

(“http://www.mytxtbox.com/smsgapi.ashx/getbalance?api_id=xxxx&user=xxxx&password=xxxx”)

```
response= request.GetResponse();
```

Dim Reader As

```
StreamReader = New StreamReader(response.GetResponseStream(),Encoding.UTF8)  
Dim Getbalance as String = reader.ReadToEnd();
```

Response:
Balance:value ,example Balance:100

or
Err: Message Error e.g Err: run of credits,Err:invalid login credentials

CALLBACK URL

Final or intermediary statuses are passed back by the API depending on the **callback** value set in the original post. This is done by means of an HTTP GET. The callback URL is set in the preferences section of the particular API product within your client account, after logging in online. This feature queries returns the status of the message using VB.NET

```
dim getrequest as new Httpwebrequest  
dim getresponse as new Httpwebresponse
```

```
dim response as Httpwebresponse  
dim request as Httpwebrequest  
request=getrequest .create
```

```
("http://www.mytxtbox.com/smsgshapi.ashx/querymsg?user=xxxx&password=xxxx&api_id=xxxx&apimsgid=XXXXXX")
```

```
response= request.GetResponse();
```

```
Dim Reader As StreamReader = New  
System.IO.StreamReader(response.GetResponseStream(),Encoding.UTF8)  
Dim Getcallback as String = reader.ReadToEnd();
```

Response:

ID: xxxx Status: xxxx e.g ID:1 Status : Message delivered or ID:2 Status : Message Queued

,

or

Err:Error Message e.g Err : Unknown Message id

VOUCHER CREDIT TOP-UP

This feature is used to redeem the credit value of top-up vouchers purchased from SMSGH.

```
dim getrequest as new Httpwebrequest  
dim getresponse as new Httpwebresponse
```

```
dim response as Httpwebresponse  
dim request as Httpwebrequest  
request=getrequest .create
```

```
("http://www.mytxtbox.com/smsgshapi.ashx//token_pay?api_id=xxx&user=xxx&password=xxxx&token=xxxxx")
```

```
response= request.GetResponse();
```

```
Dim reader As  
StreamReader = New StreamReader(response.GetResponseStream(),Encoding.UTF8)  
Dim getvoucher as String = reader.ReadToEnd();
```

Response :

Credit :Value e.g Credit :100

Err: Message Error e.g Err:invalid login credentials ; Err:invalid voucher number

DELIVERY REPORT

This features queries the SMS Server Database for messages sent between periods of time using VB.NET

```
dim getresponse as new Httpwebresponse
```

```
dim response as Httpwebresponse
```

```
dim request as Httpwebrequest
```

```
request=getrequest
```

```
.create("http://www.mytxtbox.com/smsgapi.ashx/queryreport?api_id=xxxx&user=xxxx&password=xxxx&startdate=xxxx&enddate=xxxx")
```

note: startdate and enddate parameter format is mm/dd/yyyy

```
response= request.GetResponse();
```

```
Dim Reader As StreamReader = New
```

```
System.IO.StreamReader(response.GetResponseStream(),Encoding.UTF8)
```

```
Dim GetReportInXML as XmlTextReader
```

```
=new XmlTextReader
```

```
(reader.ReadToEnd())
```

```
dim report as Dataset=new Dataset()
```

```
report.Readxml( GetReportInXML)
```

'you can bind the dataset object to a Gridview or a datagrid like this

```
Gridview1.datasource=report
```

```
Gridview1.DataBind()
```

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