X-WIRELESS API DOCUMENTATION

1.0 INTRODUCTION

This document is to provide help and illustrations to users who wish to delivery SMS using Our SMS Gateway via the HTTP Protocol. Accessing gateway through HTTP API is one of the best and the quickest ways to deliver SMS messages.

This document gives a detailed explanation of using the gateway through HTTP API. All requests are to be made via http://smsc.xwireless.net/API/WebSMS/Http/v2.0/

2.0 API CALLS

2.1 REGISTRATION

The following table gives the list of parameters required for performing registration using XWireless API.

REQUEST METHOD: **POST**

S/N	PARAMETER NAME	PARAMETER VALUE	PARAMETER DESCRIPTION
1	method	register	API Request type. You must use "register" in order to make registration via api.
2	format (optional)	xml, json (default)	You can specify output format for your api call. This is an optional parameter with "json" as the default.
3	email	{email}	Client's email address
4	login	{username}	Client's username
5	password	{password}	Client's password
6	name	{fullname}	Client's full fullname
7	companyname	{companyname}	Client's Company
9	address	{address}	Client's address
10	mobile	{mobile_number}	Client's mobile phone number

Table 1.1: *Parameters for Registration*

JSON OUTPUT
Error:
{"error":1,"status":"…error message here…"}

Success:
{"error":0,"status":" Congrats! You are successfully…"}

XML OUTPUT

Error:

<?xml version="1.0" encoding="UTF-8"?>
<result>
        <error>1</error>
        <status>…error message here…</status>
</result>

Success:

<?xml version="1.0" encoding="UTF-8"?>
<result>
        <error>0</error>
        <status>Congrats! You are successfully...</status>
</result>

2.2 MESSAGING

The following table gives the list of parameters required for sending message through Our Gateway using the HTTP API.

REQUEST METHOD: **POST** or **GET**

S/N	PAREMETER NAME	PARAMETER VALUE	PARAMETER DESCRIPTION
1	method	compose	Sets API for Composing new SMS
2	username	{username}	Username of account authentication
3	password	{password}	Password for account authentication
4	sender	{sender_id}	Sender ID
5	to	{receipient}	Destination Mobile Number
6	message	{message}	Message to be sent.
7	international (opt)	1 or 0	For international Routing. Default is 0.
8	reqid (opt)	1 or 0	
9	format (opt)	Json, xml	Sets the output format for API response. Default is "json".
10	sendondate (opt)	YYYY-MM-MM HH:MM:SS	Message Scheduler.
11	source (opt)	numberlist, group	Tells the API where to get the list of recipients. When "numberlist" is selected

Table 1.2: *Parameters for SMS Messaging*

Sending to Single Recipient

To send a message to a single recipient, you are to supply a mobile number to the "to" parameter, i.e. to=23470xxxxxxxx.

Example:

http://smsc.xwireless.net/API/WebSMS/Http/v2.0/?method =compose&username={username}&password={password}&sender={sender_id}&to=23470xxxx xxxx&message={message}& international=1& format=json

Sending to Multiple Recipients (Bulk Messaging)

To send a message to multiple recipients, you are to supply multiple mobile numbers separated with a coma (,), i.e. to=23470xxxxxxxx,23480xxxxxxxx,23471xxxxxxxx

Example:

http://smsc.xwireless.net/API/WebSMS/Http/v2.0/?method =compose&username={username}&password={password}&sender={sender_id}&to=23470xxxx xxxx,23480xxxxxxxx,23471xxxxxxxx&message={message}& international=1& format=json

Sending to Groups

To send a message a group of contacts you already have in your account (group must exist in your account), you must do the following:

a. Specify the "source" parameter with "group" as the value, i.e. source=group.
b. Specify the "groupid" parameter with the ID of the group (separate multiple Group IDs by coma).

> ***NB***: *Please refer to item 2.5 for more information on how to fetch all groups and their unique IDs*

Example:

http://smsc.xwireless.net/API/WebSMS/Http/v2.0/?method =compose&username={username}&password={password}&sender={sender_id}&source=group &groupid=xxxx,xxxx,xxx&message={message}& international=1& format=json

JSON OUTPUT
Error:
{"error":1,"status":"…error message here…"}

Success:
{"error":0,"status":"Message Sent Successfully"}

<u>XML OUTPUT</u>

Error:

<?xml version="1.0" encoding="UTF-8"?>

<result>

       <error>1</error>

       <status>…error message here…</status>

</result>

Success:

<?xml version="1.0" encoding="UTF-8"?>

<result>

       <error>0</error>

       <status>Message Sent Successfully</status>

</result>

2.3 SHOW ROUTES

The following table gives the list of parameters required for getting all route types enabled for an account via Our Gateway using the HTTP API.

<u>REQUEST METHOD</u>: **POST** or **GET**

S/N	PAREMETER NAME	PARAMETER VALUE	PARAMETER DESCRIPTION
1	method	show_routes	Sets API for Composing new SMS
2	username	{username}	Username of account authentication
3	password	{password}	Password for account authentication
4	format (opt)	Json, xml	Sets the output format for API response. Default is "json".

Table 1.3: *Parameters for Showing Routes*

Example:

http://smsc.xwireless.net/API/WebSMS/Http/v2.0/?method
=show_routes&username={username}&password={password}&format=json

<u>SAMPLE JSON OUTPUT</u>

Error:

{"error":1,"status":"…error message here…"}

Success:

{"error":0,"status":"Query Successful!","data":{"id":"3","name":"Alpha SS7"}}

SAMPLE XML OUTPUT

Error:

<?xml version="1.0" encoding="UTF-8"?>

<result>

    <error>1</error>

    <status>…error message here…</status>

</result>

Success:

<?xml version="1.0" encoding="UTF-8"?>

<result>

    <error>0</error>

    <status>Query Successful!</status>

    <data>

        <route>

            <id>3</id>

            <name>Alpha SS7</name>

        </route>

    </data>

</result>

2.4 CHECK ACCOUNT BALANCE

The following table gives the list of parameters required for retrieving account balance via Our Gateway using the HTTP API.

REQUEST METHOD: **POST** or **GET**

S/N	PAREMETER NAME	PARAMETER VALUE	PARAMETER DESCRIPTION
1	method	credit_check	Sets API for Composing new SMS
2	username	{username}	Username of account authentication
3	password	{password}	Password for account authentication
4	format (opt)	Json, xml	Sets the output format for API response. Default is "json".

Table 1.4: *Parameters for Checking Account Balance*

Example:

http://smsc.xwireless.net/API/WebSMS/Http/v2.0/?method
=credit_check&username={username}&password={password}& format=json

SAMPLE JSON OUTPUT

Error:

{"error":1,"status":"…error message here…"}

Success:

{"error":0,"status":"Query Successful!","credits":{"3":{"routtype":"Alpha SS7","credit":86.94,"validity":"13141"}}}

SAMPLE XML OUTPUT

Error:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
        <error>1</error>
        <status>…error message here…</status>
</result>
```

Success:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
        <error>0</error>
        <status>Query Successful!</status>
        <credits>
                <item>
                        <routeID>3</routeID>
                        <routtype>Alpha SS7</routtype>
                        <credit>86.94</credit>
                        <validity>13141</validity>
                </item>
        </credits>
</result>
```

2.5 SHOW GROUPS

The following table gives the list of parameters required for retrieving account balance via Our Gateway using the HTTP API.

REQUEST METHOD: **POST** or **GET**

S/N	PAREMETER NAME	PARAMETER VALUE	PARAMETER DESCRIPTION
1	method	show_groups	Sets API for Composing new SMS
2	username	{username}	Username of account authentication
3	password	{password}	Password for account authentication
4	format (opt)	Json, xml	Sets the output format for API response. Default is "json".

Table 1.2: *Parameters for Showing Groups*

Example:

http://smsc.xwireless.net/API/WebSMS/Http/v2.0/?method =show_groups &username={username}&password={password}& format=json

SAMPLE JSON OUTPUT

Error:

{"error":1,"status":"…error message here…"}

Success:

{"error":0,"status":"Query Successful!","credits":{"3":{"routtype":"Alpha SS7","credit":86.94,"validity":"13141"}}}

SAMPLE XML OUTPUT

Error:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
        <error>1</error>
        <status>…error message here…</status>
</result>
```

Success:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<result>
        <error>0</error>
        <status>Query Successful!</status>
        <data>
                <group>
                        <id>375</id>
                        <name>demo</name>
                        <description>demo description</description>
                        <created>2012-06-18 09:15:39</created>
                </group>
                <group>
                        <id>845</id>
                        <name>eg</name>
                        <description>eg</description>
                        <created>2012-07-06 11:32:46</created>
                </group>
        </data>
</result>
```