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XGEN Technologies

Website Design & Hosting, Online Advertising & Promotion, Information Technology Provider & Consultants

EMAIL API DOCUMENTATION APRIL 2011

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1.0) Introduction

This document is the official EMAIL API connectivity guide for integrating with XGEN Technologies' SMS / Mobile Communication Network (WebSMS2u.com). This guide will bring you through the process of sending messages by simply sending a pre-formatted email to our API.

For sending of messages, we recommend users to send the pre-formatted email content using <u>Normal Text</u> mails instead of <u>HTML Formatted</u> mails (although the latest version of our API has been tested to work with HTML Formatted mails). If you are facing difficulties sending messages using HTML Formatted mails then please try sending Normal Text mails to our API. By using Normal Text Format, it will ensure that long text messages is not wrapped to the next line, which is essential for proper data capturing by our API.

This document will cover the following areas of connectivity:

- Sending normal text messages
- Sending UNICODE (UCS2) messages (Multi lingual)
- Sending UDH header messages (8 bit messages, EMS)
- Real Time transaction logs
- Error Codes

2.0) Sending Normal Text Messages via "sms@websms2u.com"

7 input fields required:

No.	Parameter Name	Description
1	user	Username of the user/client
2	pass	The password for authentication
3	to	The recipient's mobile number (start with the country code in front of the number without the + sign. E.g. 60121234567)
4	from	The source name or sender's number. Supports alpha, alphanumeric and numeric character up to 16 characters for numeric only and 11 characters for alphanumeric.
5	text *	The content of the message. You can have multiple lines of text for long messages up to 480 characters. However please ensure each text line is within 40 characters to avoid text wrapping errors from email.
6	plustext *	The content of the message. An alternative to the text field above is the plustext. By using plustext, you can specify long messages in a single line by replacing & formatting spaces with '+' (plus sign). Multiple lines of plustext is also supported.
7	type = 0	Represents that "text" is in URLencoded ASCII/alphabets.
8	smsgateway	'normal' to use International Gateway / Set SenderID 'dipping' to use for Malaysian shortcode for MNP (Respective credit types are required else normal credit type will be selected)
9	returnresult	Optional Field – Defining returnresult to 'yes' will enable the system to trigger an automatic email reply to your sender email address with the results of the send. Results are defined via HTTP API responses.

* The 'text' field will always have preference to the 'plustext' field. If your message needs to contain '+' (plus) characters then it is advised you used the 'text' field as all '+' signs are replaced by spaces when it arrives at the recipient's phone.

Syntax of Email using 'text'	Syntax of Email using 'text'	Message Received
To: sms@websms2u.com **From:** email@yourdomain.com **Subject:** Any Subject Will Do **Email Body:** user:\<Account UserID> pass:\<Account Password> to:60121234567 from:\<SenderID> text:\<Message Text> text:\<Message Text> text:\<Message Text> type:0 smsgateway:normal	**To:** sms@websms2u.com **From:** demo@websms2u.com **Subject:** Testing Email API **Email Body:** user:demo pass:demo to:60121234567 from:WebSMS2u text:This is a test msg text:that is able to show a text:plus (+) sign type:0 smsgateway:normal	This is a test msg that is able to show a plus (+) sign
Syntax of Email using 'plustext'	Syntax of Email using 'plustext'	Message Received
To: sms@websms2u.com **From:** email@yourdomain.com **Subject:** Any Subject Will Do **Email Body:** user:\<Account UserID> pass:\<Account Password> to:60121234567 from:\<SenderID> plustext:\<Message Text> type:0 link:0 smsgateway:normal	**To:** sms@websms2u.com **From:** demo@websms2u.com **Subject:** Testing Email API **Email Body:** user:demo pass:demo to:60121234567 from:WebSMS2u plustext:This+is+a+test+msg type:0 link:0 smsgateway:normal	This is a test msg Note: All '+' signs are converted to spaces so this message format cannot be used for messages that need to show plus (+) signs

*Note: Maximum number of characters is 480 and any extra character will be truncated.

3.0) Sending UNICODE (UCS2) Messages (Multilingual) via "sms@websms2u.com"

7 input fields required:

No.	Parameter Name	Description
1	user	Username of the user/client
2	pass	The password for authentication
3	to	The recipient's mobile number (start with the country code in front of the number without the + sign. E.g. 60121234567)
4	from	The source name or sender's number. Supports alpha, alphanumeric and numeric character up to 16 characters for numeric only and 11 characters for alphanumeric.
5	text	The content of the message. The text of your message must be formatted so that '+' signs replace spaces between words as above.
6	type = 5	Represents that text is UCS formatted.
7	smsgateway	'normal' to use International Gateway / Set SenderID 'dipping' to use for Malaysian shortcode for MNP (Respective credit types are required else normal credit type will be selected)
8	returnresult	Optional Field – Defining returnresult to 'yes' will enable the system to trigger an automatic email reply to your sender email address with the results of the send. Results are defined via HTTP API responses.

Syntax of Email:	Example Email:
To: sms@websms2u.com **From:** email@yourdomain.com **Subject:** Any Subject Will Do **Email Body:** user:<Account UserID> pass:<Account Password> to:60121234567 from:<SenderID> text:<Unicode Text> type:5 smsgateway:normal	**To:** sms@websms2u.com **From:** demo@websms2u.com **Subject:** Testing Email API **Email Body:** user:demo pass:demo to:60121234567 from:WebSMS2u text:4e00 type:5 smsgateway:normal

*Note: Maximum number of Unicode characters in one message is 70.
** To know more on Unicode, please refer to www.unicode.org.

4.0) Sending UDH Header Messages (8bit) via "sms@websms2u.com"

8 input fields required:

No.	Parameter Name	Description
1	user	Username of the user/client
2	pass	The password for authentication
3	to	The recipient's mobile number (start with the country code in front of the number without the + sign. E.g. 60121234567)
4	from	The source name or sender's number. Supports alpha, alphanumeric and numeric character up to 16 characters for numeric only and 11 characters for alphanumeric.
5	text	This field is for the input of UDH statement in hexbin format
6	type=6	Represents that "text" is UDH formatted.
7	smsgateway	'normal' to use International Gateway / Set SenderID 'dipping' to use for Malaysian shortcode for MNP (Respective credit types are required else normal credit type will be selected)
8	returnresult	Optional Field – Defining returnresult to 'yes' will enable the system to trigger an automatic email reply to your sender email address with the results of the send. Results are defined via HTTP API responses.

Syntax of Email:	Example Email:
To: sms@websms2u.com **From:** email@yourdomain.com **Subject:** Any Subject Will Do **Email Body:** user:<Account UserID> pass:<Account Password> to:60121234567 from:<SenderID> text:<UDH Text> type:6 smsgateway:normal	**To:** sms@websms2u.com **From:** demo@websms2u.com **Subject:** Testing Email API **Email Body:** user:demo pass:demo to:60121234567 from:WebSMS2u text:0605041582158205F26100480E010 type:6 smsgateway:normal

5.0) Real Time Transactional Log & Credit Checks

There are two ways to check Log & Status of message sent through your account.

1) WEB ACCESS
User will be able to check their transaction real time by logging into this URL :
http://www.websms2u.com/sms/

User will need to use their provided user ID and password to log in.

From the SMS Log, users will be able to view transaction logs of each message sent over the past three months; which includes details such as: SMSID, Date, Time, SenderID, Destination Number, Text and Message Status.

2) HTTP API ACCESS

NORMAL CREDIT CHECK
Example of URL:
http://www.websms2u.com/sms/reportapi.asp?user=user&pass=password&check=credit

RESPONSE	DESCRIPTION
400	Missing param or invalid check field
401	Invalid user/pass
Credit Amount	Shows the Normal Credit Balance

DIPPING CREDIT CHECK
Example of URL:
http://www.websms2u.com/sms/reportapi.asp?user=user&pass=password&check=credit dip

RESPONSE	DESCRIPTION
400	Missing param or invalid check field
401	Invalid user/pass
Credit Amount	Shows the Dipping Credit Balance

MESSAGE STATUS CHECK
Example of URL:
http://www.websms2u.com/sms/reportapi.asp?user=user&pass=password&check=status&phoneno=60121234567&smsid=12345

RESPONSE	DESCRIPTION
400	Missing param or invalid check field
401	Invalid user/pass
messageid,phoneno,status,date/time sent	messageid,phoneno,status,date/time sent

6.0) Error Codes

The Email API does not return any error codes to your sending email account should you format your email wrongly. If you are facing problems sending SMS via our EMAIL API, you are advised to check on the following:

- Ensure that you have all the required fields
- Try sending the email as a NORMAL TEXT
- Ensure you are sending the email to sms@websms2u.com
- Ensure your Username & Password Fields are valid
- Ensure you have sufficient credits in your account

Any of the above can cause your SMS mails to be lost as messages which do not fit the criteria is automatically discarded from the system.