



~~HTTP REST API Interface Specification~~ v1

(deprecated) Reference Only

Please go to

<http://www.world-text.com/docs/interfaces/HTTP/>

For current version

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Direct Connection Details

For clients that connect to ports other than the HTTP/S ports (80/443) the preferred method of connection is directly to the HTTP/S service using the hostname and port numbers below, for clients that can only connect out on standard ports please see Proxy Connection Details:

	Non SSL	SSL Connections
Hostname	sms.world-text.com	sms.world-text.com
Port	1081	1082

Example call from a browser address bar: <http://sms.world-text.com:1081/ping>

Proxy Connection Details

For clients that can only connect out on the HTTP/S ports then all calls should be made via the WorldText website proxying API for the HTTP service.

	Non SSL	SSL Connections
Hostname	www.world-text.com	www.world-text.com
Port	80	443
URL Prefix	/proxyapi	/proxyapi

Example call from a browser address bar: <https://www.world-text.com/proxyapi/ping>

Method Summary

Delivery & Query Methods	
Method	Description
querysms	Query the delivery status of a message
sendsms	Sends a text message to a mobile device, UK land line or Vodafone UK pager* (*destination pager numbers must be pre-registered)

Group Management Methods	
Method	Description
groupadd	Add a new number to an existing group
groupcreate	Create a new group list, this is a list of numbers that messages can be sent to in one call
groupdel	Deletes a number from an existing group
groupdelall	Deletes all numbers from an existing group
groupget	Retrieves all the numbers from an existing group
groupgetdetails	Retrieves all the numbers and names from an existing group
groupremove	Remove an existing group list
sendgroup	Dispatches a message to a predefined group

Miscellaneous Methods	
Method	Description
credits	Retrieves the amount of credit available on the specified account
ping	Test interface availability & keep session key alive

Parameter Description

Please note that items in *italics* are in beta test and may be withdrawn or modified at any time.

Name	Type	Max Size	Description
accid	4-6 digit number	6	Account ID
AUTH	user/pass	n/a	See Authentication section
callback	URL	n/a	Message Status callback HTTP URL
data	HEX string	unlimited	Encoded message content
dcs	number	1	Data coding (see SMPP spec.)
dstaddr	number list	25 numbers	Destination Address List (recipients)
groupid	1-6 digit number	6	Group list ID
key	HEX string	32	API Authorisation key
msgid	HEX string	32	Message ID
multipart	1 digit number	1	Max number of SMS parts (default 1)
name	string	20	A user defined name
none	none	none	No argument is required for this call
srcaddr	string or number	16	Source Address (sender)
txt	GSM string	unlimited	Plain text string to be sent
url	URL	n/a	Uniform Resource Locator
user	string	50	Account Username

List Parameters

Parameters that are specified as being a list can consist of one or more values separated by a comma symbol (,). An example would be the *dstaddr* field, following is an example of specifying values for these fields.

Return Values

Every line returned as a result from the HTTP interface is prefixed by the values shown in the table below.

SUCCESS	the request was either fully or partially successful
FAIL	the request failed

Following the above strings will be the method return values, for certain interface calls there may be more than one result line returned.

Authentication

Most calls to the HTTP/S interface require that authentication parameters are sent along with the request, this can be handle one of two ways:

Username & Password

For every call to the interface requires that the username and password fields (*user* & *pass*) are provided. This method is simple however is less secure on non SSL connections.

Method Detail

Please note that items in *italics* are in beta test and may be withdrawn or modified at any time.

credits

Description	Retrieves the amount of credit available on the specified account
Required Args	AUTH
Return Value	credits remaining on the account, e.g: SUCCESS 999
Policy	Do not check more than once every 120 seconds

groupadd

Description	Add a new number to an existing group
Required Args	AUTH, grpId, dstaddr, name
Return Value	SUCCESS or FAIL

groupcreate

Description	Create a new group list, this is a list of numbers that messages can be sent to in one call
Required Args	AUTH, name, srcaddr, pin
Return Value	SUCCESS <group ID> or FAIL

groupdel

Description	Delete an entry from a group
Required Args	AUTH, grpId, dstaddr
Return Value	SUCCESS or FAIL

groupdelall

Description	Deletes all entries from a group
Required Args	AUTH, grpId
Return Value	SUCCESS <entries deleted> or FAIL

groupget

Description	Retrieves all the numbers in a group
Required Args	AUTH, grpId
Return Value	Numbers on consecutive lines or FAIL

groupgetdetails

Description	Retrieves all the numbers and names in a group
Required Args	AUTH, grpId
Return Value	Numbers and names on consecutive lines or FAIL, e.g.: "0700000000", "Alan B Smith"

groupremove

Description	Deletes an entire group
Required Args	AUTH, grpId
Return Value	SUCCESS or FAIL

querysms

Description	Query the delivery status of a message
Required Args	AUTH, msgid
Return Value	Message status value
Policy	Initial check for delivery at a minimum of 15 seconds after submission. All further checks should be double the previous time frame, in the case the next check would be at 30 seconds, then 60 seconds etc.

ping

Description	Test interface availability & optionally key session key alive
Required Args	AUTH
Return Value	SUCCESS or FAIL

sendgroup

Description	Sends a text message to a group
Required Args	AUTH, grpId, txt
Optional Args	srcaddr, multipart, test
Return Value	Number of messages dispatched

sendsms

Description	Sends a text message to a mobile device or UK land line
Required Args	AUTH, dstaddr, txt
Optional Args	srcaddr, multipart, callback
Return Value	Multiline response of a message id followed by the credits remaining (if applicable) on the account, there will be one line for each message dispatched eg: SUCCESS 123 999 SUCCESS 124 989

Failure Codes

If a request does not result in success then the response will be **FAIL code** where *code* is one of the following failure codes.

Failure Code	Description	Application Action
ARGUMENTS	The wrong number of arguments were supplied. Refer to the specification.	Do not retry
AUTHORISATION	The credentials used to authenticate the account were specified incorrectly.	Do not retry
BLACKLISTED	The MSISDN is blacklisted, do not retry,	Do not retry
CREDIT	Not enough credit remaining on the account.	Do not retry
DESTINATION	MSISDN specified was not long enough or in the correct format.	Do not retry
Failure Code	Description	Application Action
DISABLED	Account being used is disabled or suspended, contact support.	Do not retry
EXCEPTION	An application exception occurred, contact support.	Do not retry

INTERNAL	An internal routing error occurred, please retry your message.	Retry immediately
INVALIDARGS	The arguments failed to meet the method requirements.	Do not retry
KEYEXPIRED	The key has expired or does not exist.	Complete authentication
MESSAGEID	Invalid or blank messages ID, contact support.	Do not retry
SOURCEADDR	An unallocated source address was specified.	Do not retry
SUBMITRESP	Incorrect SMPP response received, please retry your message.	Retry immediately
TIMEOUT	SMPP Response not received in time, retry your message.	Retry immediately
THROTTLED	To much traffic is being submitted through this interface.	Retry after 20 seconds
UNKNOWNCMD	Command is unknown	Do not retry
VERSION	Incorrect interface version specified	Do not retry

Message Status Callback

Optionally an HTTP URL can be specified that is called once when a message status changes, the normal status change is to a final state such as DELIVRD which indicates that the message has been delivered. The call is to a standard HTTP POST to a URL and should be specified in full, e.g. "http://myserver.com/smsstatus.php".

Callback Parameters

Parameter	Description
error	Error status of the message (see Error Codes in Documentation)
msgid	Message ID that was returned when the submission was made
state	State of the message, DELIVRD, EXPIRED, UNDELIV, ACCEPTD, REJECTD

HTTP Interface with PHP Example

```
function doPostRequest( $host, $port, $uri, $body ) {
    $url = "http://$host:$port/$uri";
    $ch = curl_init();

    // set the target url
    curl_setopt($ch, CURLOPT_URL,$url);

    // howmany parameter to post
    curl_setopt($ch, CURLOPT_POST, 1);

    // the parameter 'username' with its value 'johndoe'
    curl_setopt($ch, CURLOPT_POSTFIELDS,"$body");

    // Return the data rather than printing
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);

    $result = curl_exec( $ch );
    curl_close( $ch );
    return $result;
}
```



```
}

function sendSMS( $username, $password, $dstaddr,
                 $message, $srcaddr = "SMSAlert" )
{
    $message = urlencode( $message );
    $result = doPostRequest( "sms.world-text.com", 1081, "sendsms",
    "username=$username&password=$password&sourceaddr=$srcaddr&dstaddr=$dstaddr&
    txt=$message" );
    return $result;
}

sendSMS( "username", "password", "44777111222", "Hello this is a PHP SMS
Test from World-Text using the HTTP Interface", "SMSAlert" );
```

HTTP Interface Browser Example

```
http://sms.world-
text.com/sendsms?user=USER&pass=PASSWORD&dstaddr=447598123456&txt=hello+ther
e&sim"
```