



## Mobivity Send API

The Mobivity bulk SMS API allows you to send MT (mobile terminating) messages through your Mobivity account from your applications. It can be accessed as a XML web service, or through a simple HTTP get. Live documentation & a test form can be found at <http://api.mobivity.com/mobivityapi.asmx?op=SMSSend>

**To access using an HTTP Get or post, simple make the following call:**

A request for a page using the structure shown below is all that is needed for you to send an SMS through the Mobivity SMS Server. The endpoint for this HTTP request is:

<http://api.mobivity.com/mobivityapi.asmx/SMSSend>

Messages should be sent as a HTTP **GET** or **POST** using the parameters listed below. One request should be sent per message.

### Parameters for all messages

Name	Description
keyword	The Mobivity keyword that you are sending through
emailAddress	Account email address
Password	Account password
smsto	Mobile phone # of the recipient, including a leading "1" in the US. (eg.15555551212)
carrierCode	A valid carrier code. We currently support the following carriers:  Cingular & ATT-CINGULARUS Verizon- VERIZONUS Sprint - SPRINTUS Nextel - NEXTELUS Boost - BOOSTUS AllTel - ALLTELUS Midwest - MIDWESTUS Dobson - DOBSONUS T-Mobile- TMOBILEUS VIRGIN- VIRGINUS  These are the same carrier codes passed from our HTTP API when receiving incoming SMS.  If you do not know the carrier, then you can use UNKNOWNUS and our system will look it up. This feature is not 100% correct, and some messages may not make it to the destination. Also, we will charge you an additional \$.02 per message sent without the carrier code if more than 10% of your monthly messages are sent without it.
smsmsg	The message text

The following example shows the common structure of all HTTP requests understood by the Mobivity SMS Server:

http://api.mobivity.com/mobivityapi.asmx/SMSsend?keyword=mykeyword&emailaddress=myemailaddress&password=mypassword&smsto=recipientphone&carriercode=recipientcarrier&smsmsg=This+is+a+test+message

## Return Messages

The API will return a single string message to the calling application. If the sms was sent successfully, then the unique SMS ID will be returned.

Example:

```
<?xml version="1.0" encoding="utf-8" ?>
<string xmlns="http://api.mobivity.com/">2039778360</string>
```

When there is an error, the return variable will begin with the word **FAILURE:** followed by the failure type and the error message. Each section is delimited using a colon (:)

### **FAILURE:FAILURETYPE:MESSAGE**

There are 2 FAILURE types:

1. **AUTHENTICATION:** This type will be returned if there is a problem authenticating the user. This could be for an invalid account, or bad email & password combination.

Example:

**FAILURE:AUTHENTICATION:Invalid Authentication Info**

2. **PARAMETER:** This type is returned if there is a problem with any of the parameters being sent to the API. We now do detailed checking of things like email addresses and phone numbers to make sure they are in the proper format, and that no parameters are missing.

Examples:

**FAILURE:PARAMETER:Keyword is missing**

**FAILURE:PARAMETER:Parameter smsto must be 10 or 11 numbers only.**

**FAILURE:PARAMETER:Parameter carrierCode is missing**

**FAILURE:PARAMETER:Unsupported carrierCode**

## To access using as a SOAP web service:

### SOAP 1.1

The following is a sample SOAP 1.1 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /mobivityapi.asmx HTTP/1.1
Host: api.mobivity.com
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://api.mobivity.com/SMSSEnd"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <SMSSEnd xmlns="http://api.mobivity.com/">
      <keyword>string</keyword>
      <emailAddress>string</emailAddress>
      <password>string</password>
      <smsto>string</smsto>
      <carrierCode>string</carrierCode>
      <smsmsg>string</smsmsg>
    </SMSSEnd>
  </soap:Body>
</soap:Envelope>
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <SMSSEndResponse xmlns="http://api.mobivity.com/">
      <SMSSEndResult>string</SMSSEndResult>
    </SMSSEndResponse>
  </soap:Body>
</soap:Envelope>
```

### SOAP 1.2

The following is a sample SOAP 1.2 request and response. The **placeholders** shown need to be replaced with actual values.

```
POST /mobivityapi.asmx HTTP/1.1
Host: api.mobivity.com
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <SMSSEnd xmlns="http://api.mobivity.com/">
      <keyword>string</keyword>
```

```
<emailAddress>string</emailAddress>
<password>string</password>
<smsto>string</smsto>
<carrierCode>string</carrierCode>
<smsmsg>string</smsmsg>
</SMSSend>
</soap12:Body>
</soap12:Envelope>
HTTP/1.1 200 OK
Content-Type: application/soap+xml; charset=utf-8
Content-Length: length
```

```
<?xml version="1.0" encoding="utf-8"?>
<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://www.w3.org/2003/05/soap-envelope">
  <soap12:Body>
    <SMSSendResponse xmlns="http://api.mobivity.com/">
      <SMSSendResult>string</SMSSendResult>
    </SMSSendResponse>
  </soap12:Body>
</soap12:Envelope>
```