
MobileWeb.fr™ SMS Gateway Technical Specification

Revision History

Date	Version	Remarks	Author
15/03/2002	V 1.0		Peter Maes
09/04/2002	V 1.01	Added creditsleft to gateway reply	Peter Maes
25/10/2002	V 3.00	Added Operator Logo	Dirk Devriendt
9/12/2002	V.3.00	Added description of http out	Peter Maes
20/2/2003	V 3.01	Added sample php script	Danny Lein

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ARCHITECTURE

Server platform

Our server platform consists of Microsoft Windows 2000 servers with SQL 2000 which are under 24/24 monitoring and have redundant network connections.

Application

The MobileWeb SMS Gateway front end is written with Microsoft ASP and ASP.NET architecture (front end). The back end is written in C# and C++.

Security

Servers reside in a state of the art data center with extensive security facilities and disaster prevention. We offer IP filtering for all internet inbound communications via a [Netscreen Solid State Firewall](#) .

Modules

The SMS Gateway consists of 2 modules:

1. **Send Mobile Terminated Messages (MT/MTR)**: bulk sending of SMS messages. These message can be sent in real-time or on a pre-defined moment.
2. **Receive Mobile Originated Messages (MO)**: automatic receipt of SMS messages which are sent by GSM devices to one of the shortcodes supported by MobileWeb.fr.

MODULE: SEND MOBILE TERMINATED MESSAGES (HTTP IN)

Description:

The "MobileWeb HTTP In" functionality allows Mobileweb clients to send Text SMS messages via the " HTTP GET" method.

URL:

<http://www.MobileWeb.fr/content/smsin/smsin.asp?>

Mandatory Parameters:

logon: your Mobileweb Logonid (usually your email address)
 pass: your MobileWeb password
 gsmnr: the number to which to send the message
 format: 33621558945 (*)
 msgcontent: the message body of the SMS message

(*) Important: - country code has to be mentioned (also for France)
 - no zeroes between country and operator code
 - no spaces or punctuation marks

Optional parameters

senddatetime: you can define a date time to send the SMS message
 should be in ISO format: yyyy-mm-ddThh:mm:ss.000 (eg:2002-02-02T15:13:12.999)
 msgdesc: description of the message. Will not be sent to recipient.
 type: specify a message type if you are sending a "smart message", such as an operator logo or a picture message, use the table below to define the message type ID

Message Type	Description
1 (default)	standard SMS text message
4	Operator logo in smartmessaging format (NOKIA)
5	Ringtone in smartmessaging format (NOKIA)
6	Caller group icon in smartmessaging format (NOKIA)
7	Picture message in smartmessaging format (NOKIA)

Reply from Mobileweb SMS Gateway

xml file containing with the following structure and info:

```
<?xmlversion="1.0"?>
<mwgate version=="3.0">
<status> $status$ </status>
<error>$error$ </error>
<reference>$reference$</reference>
<credits>$creditsleft</credits>
</mwgate>
```

where:

\$status\$ is the message status (accepted or not accepted)

\$error\$ is the error message: none or the specific error message

\$reference\$ is the mobileweb transaction reference

\$creditsleft\$ is the number of credits left

Error codes

Error	Description	Action
E1	Internal error	Abort sending and contact MobileWeb.fr Support
E2	No Logon or password	provide logon and password
E3	Invalid Logon or Password	Provide correct logon and password
E4	No GSMNR	Provide gsmnr
E5	Invalid GSMNR	Provide gsmnr with valid format
E6	Invalid length messagecontent , length has to be between 1 and 160 characters	Provide correct message with correct length
E7	Invalid send date: date is in the past	
E8	Invalid send hour: hour is in the past	
E9	Invalid datetime format	ISO date time required
E10	Insufficient credits	Buy new credits
E11	Failed to create Message in queue	Abort sending and contact MobileWeb.fr support
E12	Invalid message syntax	Check if your message is not empty or for special formats, please check your message format.

Example Script (VBSCRIPT)

1) Prepare Sending

```
set xmlHTTP = Server.CreateObject("Msxml2.XMLHTTP")
```

```
set xmlDoc = Server.CreateObject("Msxml2.DOMDocument")
```

```
sQuery =
```

```
"http://www.MobileWeb.fr/content/smsin/smsin.asp?logon=your@account.here&pass=password&gsmnr=32475123445&msgcontent=test&format=xml"
```

2) Sending

```
xmlHTTP.open "GET", sQuery, false
```

```
on error resume next
```

```
xmlHTTP.send()
```

```
on error goto 0
```

```
'treat response
```

```
xmlDoc.async = false
```

```
xmlDoc.loadXML(xmlHTTP.responseText)
```

3) Error Handling

```
if xmlDoc.parseError.errorCode <> 0 Then
```

Error handling invalid response or XML not valid

```
else
```

4)Treat Response

```
strXMLOUT = xmlDoc.XML
```

Treat response here

```
Set xmlDoc = Nothing
Set xmlHTTP = Nothing
end if
```

Example Script (php)

```
<?
    $document =
        "http://www.MobileWeb.fr/content/smsin/smsin.asp?logon=your.account@here&pass=password&g
        smnr=33621558978&msgcontent=test&format=xml";

    $parser = xml_parser_create();
    // create parser object
    xml_parser_set_option($parser,XML_OPTION_SKIP_WHITE,1);           // remove unneeded spaces
    xml_parser_set_option($parser,XML_OPTION_CASE_FOLDING,0);         // case sensitive on
    $xmlDocument = implode("",file($document));                       // read document

    @xml_parse_into_struct($parser,$xmlDocument,$d_ar,$i_ar);
    xml_parser_free($parser);
    // free the parser object

    $status  = $d_ar[1]['value'];
    $error   = $d_ar[2]['value'];
    $reference = $d_ar[3]['value'];
    $credits = $d_ar[4]['value'];

    /* 4 variables are created here
        $status  = the status of your message (accepted - not accepted)
        $error   = if an error occured, the errorcode is available in this variable
        $reference = the reference number from MobileWeb
        $credits = the number of credits left on your account    */

    /* Check if the SMS is accepted or not */
    if ($status == "accepted")
    {
        // SMS is accepted
    }
    else
    {
        // SMS is NOT accepted, errorcode is in $error
        // PLEASE WRITE YOUR OWN ERROR HANDLING PROCEDURE HERE
    }

?>
```

Sending Operator Logos

TECHNICAL CONTACT AND TERMS OF USE

Contact information

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