24X
Business Text Messaging

API
Application Programmers Interface

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Overview

API – Application Interface

Our API solution allows your systems to communication directly with our systems allowing for a seamless interaction.

To test any of our interfaces, obtain a free 24X username and password by visiting https://www.24x2.com and select the 'Free Trial' option.

Your account details will be sent to your mobile phone and can be used in the http, web service, email to SMS interfaces as well as the web and desktop applications.

Fast integration examples - quick start guide

Option 1 - Email to SMS
Just email our 24x sms gateway and let us convert your email into a text message, so if you know how to send emails from your app or site you know how to send text messages!

e.g. send an email to mobile.your24xemailtosmscode@24xgateway.com

So if you wanted to send our MD Kevin a text message you might send an email to

447787123256.your24xemailtosmscode@24xgateway.com

NB. To get your own "your24xemailtosmscode" just get a free account.

Option 2 - SMS web service
Just add a reference for our SMS web service to your project and with two lines of code send your first SMS from your application.

e.g. in VB.NET this would send a message to a single mobile number

Dim objSMS As New ServiceReference1.ServiceSoapClient

objSMS.SendSimpleSMS("24xusername", "24xpassword", "447787123256", "YourApp", "Hello World")

Option 3 - Posting to a script on our server.
Try inputting this sample into any web browser and instantly send a text within seconds!

https://www.24x2.com/sendsms/sendsms.aspx?user=xxxxx&password=xxxxx&smsto=447787123256&smsfrom=Me&smsmsg= Hi Kevin, testing 24X posting to a script on 24X server

Delivery Reports

If you create a page or script and email us the URL then we will post delivery reports to you via an HTTP POST. Contact us with the URL details

The fields passed are

id
status
statustime in the format DD/MM/YYYY HH:MM:SS   (space between date and time).

The id is the 24x unique id given to you when you posted the message to us.
The status will be either DELIVERED or FAILED
The statustime is the time that the message was delivered or failed.

Note: Messages usually deliver in approximately 7 seconds BUT delivery reports may take from seconds to days to be passed back to us – This is not a reflection of the message delivery time, just the low priority that operators give to delivery reports.

Email to SMS

Email to SMS allows users to easily send text messages to customers, employees, suppliers or anyone else both nationally or globally from your preferred email program e.g. Outlook, Eureka Email, Google Mail, Yahoo etc. Emails are an integral part of modern communications and combining that technology with mobile technology allows for a much broader and more reliable form of communication.
Individual emails

These are sent to an email address in the following format:-
The To address should mobilenumber.emailid@24xgateway.com

Login in to 24X account. Click 'Setup Email to SMS' and follow the on screen instructions. This will generate your unique ID.

There are no setup charges; you only pay for message credits as per a normal SMS account.

By forwarding your email or telling people to send email to a specified address of mobilenumber.emailid@24xgateway.com   the system will automatically format an SMS message(s) containing the default sender, email subject and email body text of the email and then send it to the designated mobile number. The 'emailid' is allocated from the Email to SMS setup option within the web system.

Extended email options

To configure the individual email rather than the default then you can use the additional options below.
Sender ID - You can set a default Sender from within the web site otherwise the only way is to use the extended syntax:-

from = SenderID
mobilenumber = e.g. 0711111111
action = body or subjectbody or subjectbodyfrom or any combination

e.g. A company called "Jerrys" wants to send a message to 447123456789 and 447913222222 and wants the from email address and the body of the email to
be in the text message. Their Emailid is qertydsjd

Jerrys sends two emails to:
Jerrys.07123456789.frombody.qertydsjd@24xgateway.com
Jerrys.07913222222.frombody.qertydsjd @24xgateway.com

Email Length

The maximum length of the email in terms of SMS credits can be restricted within the web interface. Here, you can select the maximum number of credits to use for the email regardless of the length of the email.

Email Disclaimers

Many clients have a lengthy disclaimer at the end of their emails. Obviously, you do not want this sent on the end of your text messages. The 24X system will by default, cut off an email when it sees five asterisks (*****), assuming that you have a line of asterisks before the disclaimer. The 24X can look for ANY five characters so if asterisks don't work for you, let us know what does and we will add that to your account.

Receiving Replies

If you want to receive replies to the messages that you send, then the system can return the reply directly to the email address that sent the message in the first place. Replies are charged at the same rate as outbound messages. Premium service required.

Replies

To receive replies out the word REPLY in front of your Emailid
i.e. mobilenumber.REPLYemailid@24xgateway.com
Replies are charged at one credit per received reply.

2 Way SMS, Replies or Inbound SMS– (long number)

In order to receive inbound messages electronically you need to have a long inbound number setup with 24X. You will then need to set up a page or script on your server to receive four parameters (Number,Message,date,id,InboundNumber - Note that these are case sensitive) in real time as they are received by us. The id is a unique message number that you should check to ensure that you are not receiving duplicate messages. Your page or script should return OK back to our system when we POST to it. Please refer to the variables by name (id, Number, Message, date) NOT by their position in the string.

The requirements are as follows:-
http://www.youURL.com/inbound.asp?id=123456&Number=4455667788&Message=Hello_World&date=11/6 /200 2 10:29:30&InboundNumber=xxxxxxxxxxxx

Web Service

The 24x SMS Web Service can be found at https://www.24x2.com/WSSecure/service.asmx

The following methods are available.

CreditsAvailable

Returns the number of credits on your account.

Parameters
Username as string
Password as string

Error Messages
01 Username or password is missing.
01 Username or Password Incorrect

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SendFullSMS

Sends an SMS with more options. Returns a string with a unique id for each message

Parameters
Username as string
Password as string
Mobiles as string (The mobile numbers to send to concatenated with commas)
MessageFrom as string (What you want displayed as the sender, 11 characters alphanumeric or 12 numeric)
MessageToSend as string (The text to send as an SMS)
DateTimeToSend as datetime (The date and time to send the message, up to 1 year in advance)
UserField as string (A custom field that you can use with a maximum of 50 characters)
EmailAddressToSendReplies as string (This allows the recipient of the message to reply to the SMS and the reply will get sent to this email address. Pass a blank string if a reply is not required. The cost for receiving a reply is one credit).
When you include an email address, we automatically change the 'Message From' to our inbound receiving number. Replies are then received and are emailed back to the email address you passed to us for that particular send.

Error Messages
01 Username or password is missing.
01 Username or Password Incorrect
02 No sender specified
03 No message specified
04 You have insufficient credit to send (X) messages
05 Date to send greater than a year in advance.
111 Message length is too long. (exceeds 918 characters)

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Long Messages over 160 Characters

For long messages no parameter needs to be set, just send the 'MessageToSend' and we calculate if it is a long message. The **MAXIMUM** message length is 918 characters and it would use 6 credits per message.
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CreateNewPhoneBook

Creates a new phonebook. Returns a string confirming success.

Parameters
Username as string
Password as string
PhonebookName as string
Description as string

Error Messages
01 Username or Password Incorrect
07 Phonebook Name already exists
_____

SendToPhonebook

Sends an SMS to everyone in the specified phonebook.

Parameters
Username as string
Password as string
PhonebookName as string
MessageFrom as string (What you want displayed as the sender, 11 characters alphanumeric or 12 numeric)
MessageToSend as string (The text to send as an SMS)
DateTimeToSend as datetime (The date and time to send the message, up to 1 year in advance)

Error Messages
01 Username or password is missing
01 Username or Password Incorrect
02 No sender specified
03 No message specified
04 You have insufficient credit to send (X) messages
05 Date to send greater than a year in advance.
08 The phonebook has no entries
09 The phonebook does not exist
_____

AddToPhonebook

Adds a person to a specified phonebook.

Parameters
Username as string
Password as string
PhonebookName as string
MobileNumber as string
FirstName as string (optional)
LastName as string (Optional)
Notes as string (Optional)

Error Messages
01 Username or password is missing
01 Username or Password Incorrect
09 The phonebook does not exist

RemoveFromPhoneBook

Removes a mobile number from a specified phonebook.

Parameters
Username as string
Password as string
PhonebookName as string
MobileNumber as string

Error Messages
01 Username or password is missing
01 Username or Password Incorrect
09 The phonebook does not exist
_____

GetPhonebookNames

Gets the names of all of the phonebook in your account along with the number of entries in each. Each line comma delimited and is terminated with a pipe symbol "|"

Parameters
Username as string
Password as string

Error Messages
01 Username or password is missing
01 Username or Password Incorrect
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GetPhonebookNumbers

Gets all of the mobile numbers,firstnames,lastnames and notes from a specified phonebook. Each line comma delimited and is terminated with a pipe symbol "|"

Parameters
Username as string
Password as string
PhonebookName as string

Error Messages
01 Username or password is missing
01 Username or Password Incorrect
09 The phonebook does not exist
_____

GetDeliveryReport

Gets the delivery report for a specified message.

Parameters
Username as string
Password as string
MessageID as integer

Error Messages
01 Username or password is missing
01 Username or Password Incorrect

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GetDeliveryReportByDate

Gets delivery reports for message sent between a date range. Returns
MessageID,Status,StatusTime,CustomField .

Each line is comma delimited and terminated with a pipe symbol "|"

Parameters
Username as string
Password as string
DateFrom as datetime
DateTo as datetime

Error Messages
01 Username or password is missing
01 Username or Password Incorrect
10 DateFrom is not correctly formatted
11 DateTo is not correctly formatted

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CreateAccount

Creates a new SMS Account with 24X. Returns a string with Username, Password and Email To SMS ID ,
comma delimited.

Parameters
Username as string
Password as string
AccountName as string
Mobile as string

Email as string

Error Messages
01 Username or password is missing
01 Username or Password Incorrect
12 Missing Parameter

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CheckLoginDetails

Checks the validitity of a username and password. Return an integer which is the id of the users account. Zero is returned if the username/password combination is invalid. Three failed login attempts are allowed after which the account will be locked out for 5 minutes and the integer returned is 999999.

Parameters
Username as string
Password as string

Error Messages
01 Username or password is missing
01 Username or Password Incorrect
14 Failed Login Attempts Exceeded

Parameters & Return Codes used in the http API

Note: If you want to receive inbound replies back to an email address, then see the optional 'email' parameter below.

Required Fields

User	The account username assigned by 24x
Password	The account password
Smsto	The mobile number to send the message to. UK numbers do not require international coding. If sending the same message to multiple mobiles this field will accept up 100 numbers delimited with commas.
Smsfrom	The originator of the message. Will accept 11 alphanumeric characters or longer if just numeric.
Smsmsg	The message content. This will vary dependent on the type of message being sent.

Optional Fields

smsdate	Messages can be scheduled up to 12 months in advance. The format of the date is yyyy-mm-dd hh:MM:ss . If the date supplied is not in the valid format or cannot be evaluated to a valid date then the message(s) will be sent immediately.
Userfield	Custom field for your use up 50 characters.
Returnurl	You can specify a page to redirect to after sending the messages. This field will need to be a fully qualified URL e.g. https://www.24x2.com
email	If an email address is passed in the posting, then the smsfrom field is replaced with a 24X response number. If the receiver replies to the text message, then 24X will route the reply back to the email address that was passed in the original posting to us. The smsfrom must still be posted to us.
long	If you pass the paremeter long=Y then your message length can exceed 160 characters enabling long messages to be sent. Once you go over 160 the breakpoints are at 134 characters as the remaining spaces are required to join the message so credits are taken per 134 character length or part thereof ie. 268 = 2 credits (2 x 134).

Responses

00 - n	Success (n is the 24x assigned ID for the message. A comma delimited list of IDs will be sent if the smsto contained more than one mobile number.)
01	Username or password incorrect.
02	smsTo missing.
03	Smsfrom missing.
04	Smsmsg missing.
05	Smstype invalid.
06	Send Date greater that one month in the future.
07	Invalid operator code.
08	Operator required for Nokia logo.
09	Insufficient credits.
10	More than 100 mobile numbers in then smsTo field
11	WAP Push combined field length greater than 90 characters

Example:
https://www.24x2.com/sendsms/sendsms.aspx?user=xxxx&password=xxxx&smsmsg=http://www.abc.com/xyz.jpg&smsto=447712123256&smsfrom=24x&smstype=9

Administration options

Available through the following syntax:
https://www.24x2.com/sendsms/smsadmin.aspx

Required Fields

User	The account username assigned by 24x
Password	The account password
Service	Valid entries Credits = Account balance. Time = 24x server time to allow for accurate scheduling. Deletequeued = Removes a message from the scheduled queue (requires the 24x unique message id) Reschedule = Change the sending date and time of a scheduled message (requires the 24x unique message id and a new date and time)

e.g. https://www.24x2.com/sendsms/SMSADMIN.aspx?user=xxx&password=xxxx&service=credits

Optional Fields

id	The unique 24x message id
date	The new date and time for a scheduled message. Required when using the reschedule service

Responses

00 - n	Success for delete queued and reschedule services (n is the number of messages affected by the action).
01	Username or password incorrect.
02	Message ID Invalid
03	No scheduled messages to delete.
04	Send date > 1 month in advance.
05	Date not valid.
06	No scheduled messages to reschedule.

Sample Code

ASP Code

```
result = SendMessage ("24Xusername", "24Xpassword", "07123456789", "24xLtd", "Hello World")
Function SendMessage(sUserName, sPassword, sMobileNumber, sSenderNumberOrName, sMessage)
Dim xmlhttp, sResponse, sUN , sPW, sTO, sFR , sMESS
sUN = URLEncode(sUserName)
sPW = URLEncode(sPassword)
sTO = URLEncode(sMobileNumber)
sFR = URLEncode(sSenderNumberOrName)
sMESS = URLEncode(sMessage)
Set xmlhttp = CreateObject("MSXML2.ServerXMLHTTP")
xmlhttp.Open "POST", "https://www.24x2.com/sendsms/sendsms.aspx", False
xmlhttp.setRequestHeader "Content-Type", "application/x-www-form-urlencoded; charset=iso-8859-1"
xmlhttp.send "user=" & sUN & "&password=" & sPW & "&smsto=" & sTO & "&smsfrom=" & sFR &
"&smsmsg=" & sMESS
sResponse = xmlhttp.responseText
Set xmlhttp = Nothing
SendMessage = sResponse
End Function
Function URLEncode(strData)
Dim I, strTemp, strChar, strOut, intAsc
strTemp = Trim(strData)
For I = 1 To Len(strTemp)
strChar = Mid(strTemp, I, 1)
intAsc = Asc(strChar)
If (intAsc >= 48 And intAsc <= 57) Or _
(intAsc >= 97 And intAsc <= 122) Or _
(intAsc >= 65 And intAsc <= 90) Then
strOut = strOut & strChar
Else
strOut = strOut & "%" & Hex(intAsc)
End If
Next
URLEncode = strOut

End Function
```

VB.net Code

```vbnet
Imports System.Net
Imports System.IO
Imports System.Web
Function SendSMS(ByVal strUserName As String,ByVal strPassword As String, ByVal
strSMSTo As String, ByVal strSMSFrom As String, ByVal strSMSMsg As String) As String
Dim objResponse As WebResponse
Dim objRequest As WebRequest
Dim strURL As String
Dim strData As String
Dim strResult As String
strURL = "https://www.24x2.com/sendsms/sendsms.aspx?"
strSMSMsg = HttpUtility.UrlEncode(strSMSMsg)
strSMSFrom = HttpUtility.UrlEncode(strSMSFrom)
strData = "user=" & strUserName & "&password=" & strPassword & "&smsto=" & strSMSTo
strData &= "&smsfrom=" & strSMSFrom & "&smsmsg=" & strSMSMsg
strURL = strURL & strData
objRequest = HttpWebRequest.Create(strURL)
objResponse = objRequest.GetResponse()
Dim objSR As New StreamReader(objResponse.GetResponseStream())
strResult = objSR.ReadToEnd().TrimEnd
Return strResult
End Function
```

PHP Code

```php
<?php

$host = "https://www.24x2.com";
$path = "/sendsms/sendsms.aspx";
$username = "xxxxx";
$password = "xxxxx";
$smsto = "447777777777";
$smsfrom = "24X";
$smsmsg = "testing " . date("d/m/Y H:i:s");

$data = 'user=' . urlencode($username);
$data .= '&password=' . urlencode($password);
$data .= '&smsto=' . urlencode($smsto);
$data .= '&smsfrom=' . urlencode($smsfrom);
$data .= '&smsmsg=' . urlencode($smsmsg);

echo sendTo24X($host,$path,$data);

function sendTo24X($host,$path,$data)
{

 $fp = fsockopen($host, 80);

 $header = "POST $path HTTP/1.1\r\n";
 $header .= "Host: $host\r\n";
 $header .= "Content-type: application/x-www-form-urlencoded; charset=iso-8859-1\r\n";
 $header .= "Content-length: " . strlen($data) . "\r\n";
 $header .= "Connection: close\r\n\r\n";

 fputs($fp,$header);

 fputs($fp,$data);

 while (!feof($fp))
        {
     $buf .= fgets($fp,1024);
   }

  fclose($fp);

  return $buf;
}
?>
```

Cold Fusion Code

```
<cfif isdefined("form.fieldnames")>
<cfset MobileToSMS = Replace(form.MobileToSMS," ","","all")>
<cfhttp url="https://www.24x2.com/sendsms/sendsms.aspx" method="post" resolveurl="no">
<cfhttpparam type="formfield" name="user" value="#form.userId#">
<cfhttpparam type="formfield" name="password" value="#form.password#">
<cfhttpparam type="formfield" name="smsto" value="#MobileToSMS#">
<cfhttpparam type="formfield" name="smsfrom" value="#form.from#">
<cfhttpparam type="formfield" name="smsmsg" value="#Form.SMSMessage#"></cfhttp></cfif>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd"><html><head><meta http-equiv="Content-Type" content="text/html;
charset=iso-8859-1"><title>SMS Sender</title></head><body><form name="form1" method="post"
action=""> <table width="100%" border="0" cellpadding="5"><tr><td>User Id </td><td><input
name="UserId" type="text" id="UserId"></td></tr><tr><td>Password</td><td><input name="Password"
type="text" id="Password"></td></tr><tr><td>From</td><td><input name="from" type="text"
id="from"></td></tr><tr><td>Number</td><td><input name="MobileToSMS" type="text"
id="MobileToSMS"></td></tr><tr><td>Message</td><td><input name="SMSMessage" type="text"
id="SMSMessage" size="160" maxlength="160"></td></tr><tr><td><input type="submit" name="Submit"
value="Submit"></td><td> </td></tr></table></form>
<cfif isdefined("form.fieldnames")><h1>Message Sent</h1></cfif></body></html>
```

Contact Us

Please feel free to contact us if you have any questions or require any clarification on +44 (0) 1903 550 242