API – REST Interface Specification

v3.0 Apr 2014

General Information

The REST API expects all text to be encoded as UTF-8, it is best to test by sending a message with a pound sign (£) to confirm it is working as expected.

If you are having issues sending as plain text, you can hex encode the message in Latin1 or GSM, and use the **hex** variable to flag that the message is already encoded.

All requests must be authenticated using the login and password you use to access your account.

We currently support POST requests in the following formats, specify the format in the Content Type header field:

Content Type
- application/xml
- application/json
- application/x-www-form-urlencoded

And will respond with the following, set the Accept header field to the desired option:

Accept
- text/xml
- text/json
- text/html   (html table)
- text/csv

Submission

The system does not check if you have sufficient balance to send messages, but you can either poll the message status to confirm it has been sent and/or setup a delivery handler to receive notification of the delivery status.

Common error codes:

0 / 00	Sent
99	Blacklisted – we have been asked to bar messages to this number
100	Insufficient credits to send message
202	Message rejected by handset
204 / 208	Buffered, could be temporary delay
216	Rejected by SMSC

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XML Examples

To submit messages send POST Request to: https://secure.divatelecom.co.uk/API/index.php/V1/message

The request must be authenticated using the login credentials used to access your DivaTxt account.
The variables supported are:

mobile	Comma delimited list of mobiles, 077XX or 4477xx format
message	The message to send, this can be up to 608 characters in length if you want to send a long message, or 160 characters if you just want to send a basic single SMS. For long messages you will be charged based on the number of 152 character chunks required to send the full message. The recipients phone will re-assemble the chunks into a single large message.
subject	The sender, up to 11 alphanumeric characters, if not specified will send as "SMS"
param1	Customer field, returned in message status response, and also in delivery handler if used. So you can include your own reference to track the messages.
param2	2nd field as above
handler	This is the URL of a webpage you have setup to receive a delivery or status report for this message. It must specify protocol. We currently only support HTTP post e.g. handler=http://www.mysite.com/deliveryhandler.php
hex	1 = Message already encoded as hex
encoding*	If your message is encoded in anything other than UTF-8 you must specify the encoding used, otherwise character such as £ will not be properly detected, and your message may not arrive as intended. The following common character sets enable you to send the full GSM character set : iso-8859-15 , utf-8 , gsm0338. Please note that iso-8859-1 (latin 1) can be used, but doesn't support characters such as the euro symbol.

Message submission request

Send a single message to two mobiles:
```
<xml>
    <message>Hello World</message>
    <mobile>0777576XXXX, 0786655XXXX</mobile>
</xml>
```

Message submission response

For a successful submission the response is a unique batch number that can be used with the message status request to track delivery. The status code will be 200

```
<xml>
    <batch>77081</batch>
</xml>
```

For unsuccessful submission the return code will be as follows:

401	Invalid login credentials
403	No message variable set
403	No mobile variable set
500	Server error – raise a support ticket

Message status request

Submit a GET Request to
https://secure.divatelecom.co.uk/API/index.php/V1/message

Include the 'batch', and optionally a 'mobile' parameter to get a specific entry.

The request must be authenticated using the login credentials used to access your DivaTxt account.

Message status response

```xml
<xml>
    <batch>77081</batch>
    <param1/>
    <param2/>
    <reports>
        <report>
            <mobile>0777576XXXX</mobile>
            <code>00</code>
            <time>2011-02-27 09:08:13</time>
            <credits>1</credits>
            <status>success</status>
        </report>
        <report>
            <mobile>0786655XXXX</mobile>
            <code>00</code>
            <time>2011-02-27 09:08:16</time>
            <credits>1</credits>
            <status>success</status>
        </report>
    </reports>
</xml>
```

For unsuccessful requests the return code will be as follows:

400	Batch variable not set
401	Invalid login credentials
403	You are not authorised to query this batch – this batch number was not created using your account.
500	Server error – raise a support ticket

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Delivery Handler

Delivery and status report messages are sent using a HTTP Post request to a URL specified in your submission. Delivery reports contain the following fields:

batch_id	This is the Batch ID returned when you submitted the messages
mobile	The mobile number of the recipient. Please note this may have been reformatted to international format.
report	This will either be success, pending or fail.
code	A numeric delivery code for more detailed investigation of delivery problems
param1	Your reference, as set when submitting the message.
param2	Your second reference field.

If your delivery handling page is down, or unresponsive, we will re-try sending the delivery notification several times before giving up.

Balance Query

Submit a GET Request to:
https://secure.divatelecom.co.uk/API/index.php/V1/account

The request must be authenticated using the login credentials used to access your DivaTxt account.

There are no parameters for this request, it will simply return the number of credits you have remaining e.g. XML:

```
<xml>
    <credits>763</credits>
</xml>
```


Viewing Sent Messages

From the main menu, select "Reports" then "Traffic Report", choose the time period you are interested in, and change the message direction to "Out".

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Supported Characters

We support the full 03.38 7 bit GSM alphabet as below:

Basic Character Set

	0x00	0x10	0x20	0x30	0x40	0x50	0x60	0x70
0x00	@	Δ	SP	0	¡	P	¿	p
0x01	£	_	!	1	A	Q	a	q
0x02	$	Φ	"	2	B	R	b	r
0x03	¥	Γ	#	3	C	S	c	s
0x04	è	Λ	¤	4	D	T	d	t
0x05	é	Ω	%	5	E	U	e	u
0x06	ù	Π	&	6	F	V	f	v
0x07	ì	Ψ	'	7	G	W	g	w
0x08	ò	Σ	(	8	H	X	h	x
0x09	Ç	Θ	)	9	I	Y	i	y
0x0A	LF	Ξ	*	:	J	Z	j	z
0x0B	Ø	ESC	+	;	K	Ä	k	ä
0x0C	ø	Æ	,	<	L	Ö	l	ö
0x0D	CR	æ	-	=	M	Ñ	m	ñ
0x0E	Å	ß	.	>	N	Ü	n	ü
0x0F	å	É	/	?	O	§	o	à

Basic Character Set Extension

	0x00	0x10	0x20	0x30	0x40	0x50	0x60	0x70
0x00					|			
0x01								
0x02								
0x03								
0x04			^					
0x05							€	
0x06								
0x07								
0x08			{					
0x09			}					
0x0A	FF							
0x0B		SS2						
0x0C				[				
0x0D	CR2			~				
0x0E				]				
0x0F			\					

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STRENGTH IN NUMBERS