

# API – HTTP Interface Specification

v3.0 Apr2014

This document is intended for technical personnel who wish to directly access the DivaTxt platform to send SMS messages.

Note that in order to directly access our SMS functionality it is essential that you have a DivaTxt account setup.

The API uses HTTP, using either GET or POST requests to submit messages.

All fields must be URL encoded. The server can accept the most widely used character sets, content is assumed to be encoded as UTF-8 unless specified in your request.

## Fields

Field	Description
username	Your DivaTxt username, this is the email address you used to set up your account
password	Your DivaTxt password, this is the same password you use to access your DivaTxt account via the website
mobile	The mobile number(s) to receive your message. This needs to be formatted in either international format without leading zeros e.g. 44777XXXXXXX or standard UK format e.g. 0777XXXXXXX.  To specify multiple recipients, use commas to separate the numbers - e.g. mobile=07123456789,07234567891,07345678910
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.  For WAP push messages, this field is used to specify the URL to the resource. The URL must not include the protocol part i.e. use www.resource... Not http://www.resou...
sender*	The number/text to show as the sender of this message. This must be no more than 11 characters long for alphanumeric or 16 digits for a number. If this is not specified in your request the default sender from your DivaTxt account will be used.
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.
param1*	This field is used to store your reference for this message. This field will be returned in the delivery receipt, should you choose to enable them.

param2*	This provides another reference to allow you to track this message
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*	If the message has been encoded in Hex format already, then you can specify hex=1 in your request to send in this format. If this is set to zero, or not specified, your message is assumed to be in plain text.

\* optional

## Access

You can currently access the API by sending requests to the following URL's:

- For HTTP GET requests:  
http://www.divatxt.co.uk/api/htget.php
- Example GET Request:  
http://www.divatxt.co.uk/api/htget.php?username=fred%40hotmail.com&password=XXXX&mobile=0777777777&message=Lottery+Numbers+will+be+1+6+12+23+45+49
- For HTTP POST requests:  
http://www.divatxt.co.uk/api/htpost.php

## Return Values

The server will respond with a HTML message containing either a success message, or an error messages if the request was unsuccessful.

For successful submissions, it will also contain a Batch ID which you can use to identify which delivery report corresponds to your submission.

Success is 00, any failures will be 10 or higher. Some error codes are currently not in use.

- Example Success:  
<HTML><BODY><!-- Result : 00 --><!-- Batch : 19900 --></BODY></HTML>
- Example Failure:  
<HTML><BODY><!-- Result : 15 --><!-- Error : Account balance too low to send message --></BODY></HTML>

Result	Reason/Action
11 – Username/Password Incorrect	Check your details are correct by logging into the website at <a href="http://www.divatxt.co.uk">www.divatxt.co.uk</a>
12 – Invalid charge band specified	Chargeband must be a single digit in the range of 0-9
14 – Account not enabled for premium outbound	Contracts must be in place for us to pay revenue share to you. Please contact sales to enable your account for revenue share.

FOR FURTHER ASSISTANCE PLEASE CONTACT OUR SUPPORT TEAM

Tel: 0330 333 0330 Intl: +800 3482 0000

Email: support@divatelecom.co.uk Visit: www.divatelecom.co.uk

15 - Account balance too low to send message	You don't have sufficient credits to send the message, log in to top up your account via credit card or contact sales to arrange payment by Direct Debit.
16 - Invalid request POST variable 'mobile' not specified	The required field 'mobile' has not been provided.
17 - Invalid request POST variable 'message' not specified	The required field 'message' has not been provided
18 - Invalid Mobile Number - too short	The mobile number received is too short to be valid, please check and re-try.

## Delivery Reports

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:

Field	Description
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.

## 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".

## Supported Characters

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

Basic Character Set									Basic Character Set Extension								
	0x00	0x10	0x20	0x30	0x40	0x50	0x60	0x70		0x00	0x10	0x20	0x30	0x40	0x50	0x60	0x70
0x00	@	Δ	SP	0	i	P	¿	p	0x00								
0x01	£	_	!	1	A	Q	a	q	0x01								
0x02	\$	Φ	"	2	B	R	b	r	0x02								
0x03	¥	Γ	#	3	C	S	c	s	0x03								
0x04	è	Λ	¤	4	D	T	d	t	0x04		^						
0x05	é	Ω	%	5	E	U	e	u	0x05						€		
0x06	ù	Π	&	6	F	V	f	v	0x06								
0x07	ì	Ψ	'	7	G	W	g	w	0x07								
0x08	ò	Σ	(	8	H	X	h	x	0x08			{					
0x09	Ç	Θ	)	9	I	Y	i	y	0x09			}					
0x0A	LF	Ξ	*	:	J	Z	j	z	0x0A	FF							
0x0B	Ø	ESC	+	;	K	Ä	k	ä	0x0B		SS2						
0x0C	ø	Æ	,	<	L	Ö	l	ö	0x0C				[				
0x0D	CR	æ	-	=	M	Ñ	m	ñ	0x0D	CR2			~				
0x0E	Á	ß	.	>	N	Ü	n	ü	0x0E				]				
0x0F	á	É	/	?	O	§	o	à	0x0F			\					

FOR FURTHER  
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PLEASE CONTACT  
OUR SUPPORT TEAM  
**0330 333 0330**