

Newsletter API Specifications

Version 1.0
31/05/2011



1. Revisions

Rev#	Date	Remark
1.0	05-05-2009	Initial version

2. Introduction

The newsletter management interface available at <http://admin.mpulse.eu> allows configuring distribution lists that manage themselves using subscription and un-subscription mechanisms via SMS. Messages can be sent to users subscribed to a given newsletter either by using the web-based interface or using a simple API that is described in this document. There are two different interfaces available to use this API: HTTP GET and SOAP.

3. SOAP interface

3.1. Conventions

This paragraph describes the interface specifications for the Mpulse Gateway SOAP Web Service interface. The Mpulse Gateway provides a Web Service Description Language (WSDL) document that describes the web service. The web service binding is configured as follows:

- Service name: NewsletterSender
- Namespace: <http://gateway.mpulse.eu/soap/newsletters>
- Style: RPC
- Use: Literal

We use this SOAP binding mode because it's known to be compatible with most available SOAP/WSDL clients on the market – as opposed to Document/Literal/Wrapped combinations mostly used by Microsoft-based applications.

3.2. Methods

Currently, two different methods for newsletter sending are available. Both methods return an `xsd:int` that represents the number of subscribers the message has been sent to. If an error occurs, a SOAP fault will be returned containing a description of the error.

3.2.1. sendNewsletter

`sendNewsletter` is used to send a single message to all subscribers of a distribution list. The method has 5 parameters:

- `username (xsd:String)` – the username of the administration account
- `password (xsd:String)` – the password of the administration account
- `shortcode (xsd:String)` – the shortcode that is used for subscription to this newsletter
- `keyword (xsd:String)` – the keyword that is used for subscription to this newsletter
- `message (xsd:String)` – the message to be sent to the distribution list

3.2.2. sendNewsletterDelayed

sendNewsletterDelayed does the same as sendNewsletter, except that it has one extra parameter that allows to postpone the actual sending of the message. This allows programming of messages at a later date.

- sendDate (xsd:dateTime) – the date and time when the message should actually be sent

4. HTTP GET interface

The HTTP GET interface can be used in very simple applications that do not provide SOAP client interfaces for easy interaction with remote server applications. In this case, a simple HTTP GET request containing the required parameters in the query string can be submitted. The required parameters are the same as for the SOAP interface.

- username – the username of the administration account
- password – the password of the administration account
- shortcode – the shortcode that is used for subscription to this newsletter
- keyword – the keyword that is used for subscription to this newsletter
- message – the message to be sent to the distribution list

As commonly used, the query string of a GET request is appended to the URL using a '?' character as a separator. Names and values are separated by '=' characters and name-value pairs are separated by '&' characters.

The application will return the number of subscribers the message has been sent to in case of success, or an error description in case of an error.