



Location Based Services: Documentation

Opting in/out using a dedicated shortcode

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Introduction to the Service

This document is designed to complement the main LBS gateway manual available at:

http://www.aql.com/documents/userguides/LBS_API.pdf

The main purpose of this document is to describe how users enable and disable location based services for a particular MSISDN using a dedicated shortcode.

There are 2 possible options when it comes to opting in or out of locating an MSISDN. The user can either opt-in/out using the 'locate' keyword on the shortcode provided by aql, 64446.

Alternatively, If you have a dedicated shortcode from aql, you can setup your own keyword and allow users to opt-in/out using this keyword on your shortcode. This document provides technical instructions on how to achieve this.

Connection Details

LBS requests are processed via our HTTP Post Interface:

http://gw1.aql.com/lbs/gw_lbsoptinexternal.php

or

https://gw1.aql.com/lbs/gw_lbsoptinexternal.php

Although we do offer the standard HTTP gateway, we do prefer that your application uses the HTTPS gateway as it prevents sensitive details being "sniffed" across the internet.

Process Overview

- 1) The mobile you wish to locate needs to send a message to your keyword on your shortcode. This only need to be done if:
 - The user has not texted a message to this keyword and shortcode combination previously.
 - The user has previously texted **STOP** to your shortcode.
 - The user has previously texted '*yourkeyword STOP*' to your shortcode
- 2) Your application performs a HTTP post to the gateway above. This is required as it allows us to authenticate the message is genuine and also to add the mobile number to the list of locatable numbers.

NB:

- The mobile user is charged at normal rates for this message.
- The mobile user should be able to stop location requests being made at anytime by texting either '**STOP**' or '*yourkeyword STOP*' to your shortcode.

Gateway Details

The gateway requires 3 variables:

Variable Name	Description
username	Your aql.com username
password	Your aql.com password
msisdn	The mobile number that is to be located
shortcode	Your shortcode
keyword	Your Keyword
msgkey	The msgkey parameter as passed to you when the text message was initially sent.
action	Either 'OPTIN' or 'OPTOUT'. This would be to either add the mobile to the service or to remove it from the service.

The mobile number must be in international format without the leading + and any leading zeros. E.g 07766404142 would be 447766404142

The gateway will respond with a single code represented by an integer. The various response codes are:

Error Code	Error Description
0	Success, the MSISDN was opted in or out
1	The mobile number was not provided
2	The mobile number was invalid
3	There was an internal server error*
4	No credit available on your LBS account
5	The username and/or password were incorrect
6	The username and/or password were not supplied
7	The mobile is not opted in
8	The message referred to by msgkey was not found
9	The supplied shortcode was invalid
10	Parameter msgkey was not supplied
11	Parameter shortcode was not supplied
12	Parameter keyword was not supplied
13	Parameter action was not supplied
14	The user is not allowed to opt-in/out using that keyword. **
15	The action parameter was invalid
16	the keyword parameter was invalid
17	The mobile number could not be located. Possible reasons for this are that the mobile is turned off or out of reception.

* If this persists, please raise a support query via your account at <http://www.aql.com>. Our technicians will normally respond within 20 minutes.

** The opt-in/out keywords you have chosen for your shortcode need to be registered with our gateway. Please raise a support ticket at <http://www.aql.com> clearly stating the keywords you would like registering. If accepted, the keywords will then be registered within 1 working day.