



HLR

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This document describes application interface(API)
to make HLR service requests.

Introduction

Authentication is done using an unique key. Base url for requests is http://api.text2reach.com/?api_key=API_KEY

Your HLR-Service API key: API_KEY

Text2Reach API has simple HTTP GET request interface and also JSON-RPC interface. To use JSON-RPC interface, please read the JSON-RPC Specification (<http://www.jsonrpc.org/specification>).

1. HTTP interface

Requests are performed through HTTP protocol

Example:

https://api.text2reach.com/hlr/?api_key=API_KEY&phone=37126378162
[/hlr/?api_key=API_KEY&phone=37126378162](https://api.text2reach.com/hlr/?api_key=API_KEY&phone=37126378162))

(<https://api.text2reach.com>

Parameters:

Name	Required	Default value	Description
api_key	yes	-	your registered HLR-Service API key
phone	yes	-	Phone number in international format with or without "+" sign

2. JSON-RPC interface

Requests are performed through JSON RPC class `jsonRPCClient.php`. Download free implementation at <http://jsonrpcphp.org> (<http://jsonrpcphp.org>).

Method:

```
hlr( phone )
```

Arguments:

Name	Required	Default value	Description
phone	yes	-	Phone number in international format with or without "+" sign

Return structure:

```
array(  
    destination, // Phone number  
    error, // Error code  
    message, // Error message  
    response, // HLR response (see below)  
    cost, // Request price  
    credit, // credit on account (only for prepaid customers)  
)
```

Example:

```
<?php  
require_once "<your_libraries_path>/jsonRPCClient.php";  
define("API_KEY", "API_KEY");  
  
$j = new jsonRPCClient("https://api.text2reach.com/?api_key=" . API_KEY);  
try {  
    $response = $j->hlr('37126378162');  
    print_r($response);  
    /*  
    Array  
    (  
        [destination] => 37126378162  
        [error] => 0  
        [message] => OK  
        [response] => Array  
        (  
            [error] => OK // reply from hlr  
            [imsi] => 24702126378162 // imsi, if provided  
            [mccmnc] => 24702  
            [mcc] => 247  
            [country_name] => Latvia  
            [country_iso] => lv  
            [country_code] => 371  
            [mnc] => 02  
            [network] => Tele2  
        )  
        [cost] => 0.005  
        [credit] => 12.345  
    )  
    */  
}  
catch(Exception $e) {  
    // handle exception  
}  
?>
```

3. Error codes:

Code	Description
0	Successfully
1	Invalid API_KEY
2	System error
3	No route found
4	Requests overlimit
5	Not defined destination price
6	Restricted by country
7	Portability checking error
8	HLR lookup error
9	Insufficient funds
10	Restricted by IP-address
11	Invalid phone number format