

## 1. implementation method

The application sends the ussd command to be sent to the device by sending an HTTP GET request, and the device returns it to the application with an HTTP 200 OK response upon receipt of the ussd response.

## 2. Request description

### 2.1 Request URL

http://host[:port]/goip\_send\_ussd.html

Host: IP address of the device

Port: Specifies the background port of the device, which is 80 by default

### 2.2 URLdata

Attribute name	description	default value	required
username	Device account	no	yes
password	Device password	no	yes
port	Specifies the port to send the ussd command, starting at 1	no	yes
ussd	Need to send ussd command	no	yes
timeout	Specifies the timeout time (seconds) to wait for a response	120	no

## 3. Response description

The Usd response will be returned to the application in the json data format via HTTP 200OK.

### 3.1 Content-Type

Using the standard Content-Type value corresponding to the json data format application / json

### 3.2 message body

The message body is the standard json data format, and each attribute is defined as follows:

Attribute name	description	default value	required
code	Back code, 0 mean success	no	yes
reason	Reason description, success corresponds to OK	no	yes
resp	The response of the Ussd command	no	no
max-port	Used to indicate the maximum port number of the device Returns the attribute when the specified port is illegal	no	no
port	Used to indicate the port that is currently available to the device Returns the attribute when the specified port is illegal or unavailable	no	no

**Note:** Returns the port attribute as a comma-separated number of port numbers. If there are consecutive ports available, connect them with dashes. For example, 1, 3, 6, 8, and 10 indicate ports 1, 3, 4, 5, 6, 8, 10 available.

### 3.1 Back code

Back code	description
0	success
1	Account or password is wrong
2	Port parameter is wrong
3	No ussd parameters
4	The port has an outstanding USSD request
5	SIM card is not registered
6	time out

## 4. Example

### 4.1 Example 1 Send USSD

**HTTP URL:**

[http://192.168.1.67/goip\\_send\\_usdd.html?username=root&password=root&port=5&usdd=1](http://192.168.1.67/goip_send_usdd.html?username=root&password=root&port=5&usdd=1)

23, Click on the link above or fill in this url in the browser, or send through the java program.

**HTTP GET request:**

GET [/goip\\_send\\_usdd.html?username=root&password=root&port=5&usdd=123](http://192.168.1.67/goip_send_usdd.html?username=root&password=root&port=5&usdd=123) HTTP/ 1.1

Accept: \*/\*

Accept-Language: zh-CN

User-Agent: Mozilla/4.0

Host: 192.168.1.67

Connection: Close

**HTTP back:**

HTTP/1.1 200 OK

Server: Rapid Logic/1.1

Pragma: no-cache

Cache-Control: no-cache

Content-Type: **application/json**;charset=utf-8

Content-Length: 56

{code:0,reason:"OK",resp:"your balance is 50.00\$"}  
  
**4.2 Example 2 Obtain the available ports for the device**

**HTTP URL:**

[http://192.168.1.67?goip\\_send\\_usdd.html?username=root&password=root](http://192.168.1.67?goip_send_usdd.html?username=root&password=root)

Click on the link above or fill in this url in the browser, or send through the java program.

**HTTP GET request:**

GET [/goip\\_send\\_usdd.html?username=root&password=root](http://192.168.1.67?goip_send_usdd.html?username=root&password=root) HTTP/1.1

Accept: \*/\*

Accept-Language: zh-CN

User-Agent: Mozilla/4.0

Host: 192.168.1.67

Connection: Close

**HTTP back:**

HTTP/1.1 200 OK

Server: Rapid Logic/1.1

Pragma: no-cache

Cache-Control: no-cache

Content-Type: **application/json**;charset=utf-8

Content-Length: 56

**{code:2,reason:"invalid param port",max-port:16,port:"1,2,4-16"}**