

XML-API Development Guide

Yealink Redirection and Provisioning Service (RPS)



December 2011

Contents

1. Protocol	4
2. Service Port	5
3. User Accounts	5
4. Available XML-RPC Commands	6
4.1 redirect.registerDevice	6
4.1.1 XML-RPC signature	6
4.1.2 Parameter:	6
4.1.3 Return values:	6
4.1.4 Request:	7
4.1.5 Answer:	7
4.2 redirect.registerDevice^[2]	10
4.2.1 XML-RPC signature:	10
4.2.2 Parameter:	10
4.2.3 Return values:	10
4.2.4 Request:	11
4.2.5 Answer:	12
4.3 redirect.deRegisterDevice	14
4.3.1 XML-RPC signature:	14
4.3.2 Parameter:	14
4.3.3 Return values:	14
4.3.4 Request:	14
4.3.5 Answer:	15
4.4 redirect.listDevices	17
4.4.1 XML-RPC signature:	17
4.4.2 Return values:	17
4.4.3 Request:	17
4.4.4 Answer:	18
4.5 redirect.checkDevice	20
4.5.1 XML-RPC signature:	20
4.5.2 Parameter:	20
4.5.3 Return values:	20
4.5.4 Request:	20
4.5.5 Answer:	21
4.6 redirect.registerDevices	23
4.6.1 XML-RPC signature:	23
4.6.2 Parameter:	23
4.6.3 Return values:	23
4.6.4 Request:	24

4.6.5 Answer:.....	25
4.7 redirect.registerDevices^[2]	27
4.7.1 XML-RPCsignature:	27
4.7.2 Parameter:	27
4.7.3 Return values:	27
4.7.4 Request:.....	28
4.7.5 Answer:.....	29
4.8 redirect.deRegisterDevices	31
4.8.1 XML-RPCsignature:	31
4.8.2 Parameter:	31
4.8.4 Request:.....	32
4.8.5 Answer:.....	33
4.9 redirect.addServer	35
4.9.1 XML-RPCsignature:	35
4.9.2 Parameter:	35
4.9.3 Return values:	35
4.9.4 Request:.....	36
4.9.5 Answer:.....	37
4.10 redirect.editDevice	39
4.10.1 XML-RPCsignature:	39
4.10.2 Parameter:	39
4.10.3 Return values:	39
4.10.4 Request:.....	40
4.10.5 Answer:.....	41
4.11 redirect.editDevice^[2]	43
4.11.1 XML-RPCsignature:	43
4.11.2 Parameter:	43
4.11.3 Return values:	43
4.11.4 Request:.....	44
4.11.5 Answer:.....	45
About Yealink	47

Document Revision History

Release	Version	Reason for Change	Date	Author
1.0.2	1.0		Dec 1, 2011	Mike Hou
1.0.5	1.1		Feb 1, 2012	Mike Hou
1.0.10	1.2		Apr 1, 2012	Mike Hou
1.0.53	1.3		Apr 23, 2012	Mike Hou

1. Protocol

- The API of RPS is built as standard XML-RPC services. Two ways are possible to access the interface:
 1. You can use XML-RPC libraries available in the internet.
 2. You can send XML commands specified further down via HTTP POST using *Content-Type:text/xml*.
- TLS/SSL is used to encrypt the communications between client and server.
- User authentication is done via basic authentication using username and password.

2. Service Port

The XML-RPC RPS service can be accessed at:

<https://rps.yealink.com/xmlrpc>

3. User Accounts

In order to access the RPS, you need to have a valid account that you can apply for from Yealink or our local distributors.

4. Available XML-RPC Commands

4.1 redirect.registerDevice

You can redirect a specific device to a different configuration server by its MAC ID.

4.1.1 XML-RPC signature:

```
redirect.registerDevice(mac,serverName)
```

4.1.2 Parameter:

1. **mac**: MAC address you want to register to RPS.
2. **serverName**: The server name you already added to RPS which the device should be redirected to.

4.1.3 Return values:

1. Result code: *True, False*
2. Result text:
 - (1) **OK**: If the MAC address has been registered successfully to a specific server.
 - (2) **Errors**:
 - 1) *Invalid MAC(s):mac*→Invalid format of MAC address
 - 2) *Existing MAC(s):mac*→The MAC address has been registered by yourself.
 - 3) *Error:Invalid server*→Invalid server name
 - 4) *Are you sure you want to override MAC addresses:* →The MAC address has been registered by another RPS user, see more details on session 4.2 below.

4.1.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.registerDevice</methodName>
<params>
  <param>
    <value><string><![CDATA[001565000001]]></string></value>
  </param>
  <param>
    <value><string><![CDATA[serverName]]></string></value>
  </param>
</params>
</methodCall>
```

Notes:

1. "<![CDATA[]>" is not necessary, but with it you can enter special characters, such as "&,\$,#,@,<,>" and so on.
2. Four types of valid MAC address format are 001565000001, 00-15-65-00-00-01, 00 15 65 00 00 01, 00:15:65:00:00:00:01.

4.1.5 Answer:

4.1.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            OK
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```


4.1.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:Invalid MAC(s):00s1122334400
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.2 redirect.registerDevice^[2]

If the MAC address you are registering has been registered by another RPS user, you can confirm whether to override the previous registration by “*isOverride*” parameter.

4.2.1 XML-RPC signature:

```
redirect.registerDevice(mac,serverName,isOverride)
```

4.2.2 Parameter:

1. **mac** : MAC address you want to register to RPS
2. **serverName**: The server name you already added to RPS which the device should be redirected to.
3. **isOverride**: Confirm whether to override the previous registration or not.
 - (1) *1*: Override confirmation
 - (2) *0*: Cancel registration

4.2.3 Return values:

1. Result code: *True*, *False*
2. Result text:
 - (1) **OK**: If the MAC address has been registered successfully to a specific server.
 - (2) **Errors**:
 - 1) *Invalid MAC(s):mac*→Invalid format of MAC address
 - 2) *Existing MAC(s):mac* →The MAC address has been registered by yourself.
 - 3) *Error:Invalid server*→Invalid server name
 - 4) *Only 0 or 1 can be used:1 to override, 0 to cancel*→Invalid *isOverride* value
 - 5) *MAC address(es) overriding failed*→Failed to override the previous MAC address

4.2.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.registerDevice</methodName>
<params>
  <param>
    <value><string><![CDATA[001565000001]]></string></value>
  </param>
  <param>
    <value><string><![CDATA[serverName]]></string></value>
  </param>
  <param>
    <value><string><![CDATA[0]]></string></value>
  </param>
</params>
</methodCall>
```

4.2.5 Answer:

4.2.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            OK
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.2.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:Invalid MAC(s):00s1122334400
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.3 redirect.deRegisterDevice

You can remove a specific device from RPS by deregistering its MAC address.

4.3.1 XML-RPC signature:

redirect.deRegisterDevice(mac)

4.3.2 Parameter:

mac :MAC address you would like to remove from RPS

4.3.3 Return values:

1. Result code: True, False
2. Result text:
 - (1) **OK**: If the MAC address has been deregistered successfully.
 - (2) **Errors**:
 - 1) *Invalid MAC(s):mac*→Invalid format of MAC address or the MAC address has not been registered by you.

4.3.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.deRegisterDevice</methodName>
<params>
  <param>
    <value><string><![CDATA[001122334401]]></string></value>
  </param>
</params>
</methodCall>
```

4.3.5 Answer:

4.3.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            OK
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.3.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:Invalid MAC(s):001122334401
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```


4.4 redirect.listDevices

You can list all the devices(MACs) that you have already registered.

4.4.1 XML-RPC signature:

```
redirect.listDevices()
```

4.4.2 Return values:

1. Result code: *True*, *False*
2. Result text:

(1) **OK:**

```
<array>
  <data>
    <value>MAC1</value>
    <value>MAC2</value>
    ...
  </data>
</array>
```

(2) **Error:** *No devices found*→No registered devices found

4.4.3 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
  <methodName>redirect.listDevices</methodName>
</methodCall>
```

4.4.4 Answer:

4.4.4.1 Filled Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            <array>
              <data>
                <value>
                  00-11-22-33-44-02
                </value>
                ...
              </data>
            </array>
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.4.4.2 Empty Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            No device(s) exists
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.5 redirect.checkDevice

You can check if a device(MACs) is registered toRPS.

4.5.1 XML-RPC signature:

redirect.checkDevice(mac)

4.5.2 Parameter:

mac :MAC address you want to check.

4.5.3 Return values:

1. Result code: true, false
2. Result text:
 - (1) **Error**: Invalid MAC →Invalid format of MAC address.
 - (2) **OK**:
 - 1) *Unregistered* → Not assigned to a specific server.
 - 2) *Registered* →MAC has been assigned to a specific server.
 - 3) *Registered Elsewhere*→ MAC has been registered by another RPS user.
 - 4) *Unknown*→ MAC has not been added to RPS.

4.5.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.checkDevice</methodName>
<params>
  <param>
    <value><string><![CDATA[001565000001]]></string></value>
  </param>
</params>
</methodCall>
```

4.5.5 Answer:

4.5.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            Registered
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.5.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:Invalid MAC(s)
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.6 redirect.registerDevices

You can register a list of devices to a different configuration server by MAC IDs.

4.6.1 XML-RPC signature:

```
redirect.registerDevices(macList,serverName)
```

4.6.2 Parameter:

1. **mac** : MAC address you want to register to RPS.
2. **serverName**: The server name you already added to RPS which the device should be redirected to.

4.6.3 Return values:

1. Result code: *True*, *False*
2. Result text:
 - (1) **OK**: If the MAC address has been registered successfully to a specific server.
 - (2) **Errors**:
 - 1) *Invalid MAC(s):mac*→Invalid format of MAC address
 - 2) *Existing MAC(s):mac* →The MAC address has been registered by yourself.
 - 3) *Error:Invalid server*→Invalid server name
 - 4) *Are you sure you want to override MAC addresses:* →The MAC address has been registered by another RPS user,see more details on session 4.2 above..

4.6.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.registerDevices</methodName>
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <string><![CDATA[001565000001]]></string>
          </value>
          <value>
            <string><![CDATA[001565000002]]></string>
          </value>
          ...
        </data>
      </array>
    </value>
  </param>
  <param>
    <value><string><![CDATA[serverName]]></string></value>
  </param>
</params>
</methodCall>
```


4.6.5 Answer:

4.6.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            OK
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.6.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:Invalid MAC(s):00s1122334400, ...
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.7 redirect.registerDevices^[2]

If the MAC addresses you are registering have been registered by other RPS users, you can confirm whether to override the previous registrations by *isOverride* parameter.

4.7.1 XML-RPC signature:

```
redirect.registerDevices(macList,serverName,isOverride)
```

4.7.2 Parameter:

1. **macList** :MAC addresses you want to register to RPS.
2. **serverName**: The server name you already added to RPS which the device should be redirected to.
3. **isOverride**: Confirm whether to override the previous registration or not.
 - (1) *1*: Override confirmation
 - (2) *0*: Cancel registration

4.7.3 Return values:

1. Result code: *True*, *False*
2. Result text:
 - (1) **OK**: If the MAC address has been registered successfully to a specific server.
 - (2) **Errors**:
 - 1) *Invalid MAC(s):mac*→Invalid format of MAC address
 - 2) *Existing MAC(s):mac* →The MAC address has been registered by yourself.
 - 3) *Error:Invalid server*→Invalid server name
 - 4) Only 0 or 1 can be used:1 to override, 0 to cancel→Invalid isOverride value
 - 5) MAC address(es) overriding failed→Failed to override the previous MAC address

4.7.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.registerDevices</methodName>
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <string><![CDATA[001565000001]]></string>
          </value>
          <value>
            <string><![CDATA[001565000002]]></string>
          </value>
          ...
        </data>
      </array>
    </value>
  </param>
  <param>
    <value><string><![CDATA[serverName]]></string></value>
  </param>
  <param>
    <value><string><![CDATA[0/1]]></string></value>
  </param>
</params>
</methodCall>
```

4.7.5 Answer:

4.7.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            OK
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.7.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:Invalid MAC(s):00s1122334400
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.8 redirect.deRegisterDevices

You can remove a list of s devices from RPS by deregistering these MAC addresses.

4.8.1 XML-RPC signature:

```
redirect.deRegisterDevices(macList)
```

4.8.2 Parameter:

macList :MAC addresses you would like to remove from RPS

4.8.3 Return values:

1. Result code: True, False
2. Result text:
 - (1) **OK**: If the MAC address has been deregistered successfully.
 - (2) **Error**:
 - 1) *Invalid MAC(s):mac*→Inalid format of MAC address or the MAC address has not been registered by you.

4.8.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.deRegisterDevices</methodName>
<params>
<param>
<value>
<array>
<data>
<value>
<string><![CDATA[001565000001]]></string>
</value>
<value>
<string><![CDATA[001565000002]]></string>
</value>
...
</data>
</array>
</value>
</param>
</params>
</methodCall>
```


4.8.5 Answer:

4.8.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            OK
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.8.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:Invalid MAC(s):001122334401
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.9 redirect.addServer

You can add a different configuration server which is used to redirected devices to.

4.9.1 XML-RPC signature:

```
redirect.addServer(serverName,serverUrl)
```

4.9.2 Parameter:

1. **serverName**: The server name you already added to RPS which the device will be redirected to.
2. **serverUrl**: The specific URL of your configuration server.

4.9.3 Return values:

1. *Result code*: True, False
2. *Result text*:
 - (1) **OK**: The server has been added successfully.
 - (2) **Errors**:
 - 1) *The url can only begin with 'http://' or 'https://' or 'ftp://' or 'tftp://'* →Invalid format of URL
 - 2) *The server name can not be empty.*→The serverName should not be empty.
 - 3) *The server url can not be empty*→ **The** serverUrl should not be empty.
 - 4) *The server name has been used* →The serverName has been used.
 - 5) *The server name can only contain 'A-z 0-9 - _ . '(include space)* →Invalid format of serverName.

4.9.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.addServer</methodName>
<params>
  <param>
    <value>
      <string><![CDATA[serverName]]></string>
    </value>
  </param>
  <param>
    <value>
      <string><![CDATA[serverUrl]]></string>
    </value>
  </param>
</params>
</methodCall>
```

4.9.5 Answer:

4.9.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            OK
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.9.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:The server name has been used
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.10 redirect.editDevice

You can change the configuration server that the device(s) has registered to to another server.

4.10.1 XML-RPC signature:

```
redirect.editDevice(mac,serverName)
```

4.10.2 Parameter:

1. **mac** :The MAC address you would like to edit.
2. **serverName**: The server name you would like to re-register the MAC to.

4.10.3 Return values:

1. Result code: *True, False*
2. Result text:
 - (1) **OK**: If the MAC address has been registered successfully to a specific server.
 - (2) **Errors**:
 - 1) *Invalid MAC(s):mac*→Invalid format of MAC address
 - 2) *Error:Invalid server*→Invalid server name
 - 3) *The MAC is unknown* → *MAC has not been registered*
 - 4) *Are you sure you want to override MAC addresses:* →The MAC address has been registered by another RPS user,see more details on session 4.2 below.

4.10.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.editDevice</methodName>
<params>
  <param>
    <value><string><![CDATA[001565000001]]></string></value>
  </param>
  <param>
    <value><string><![CDATA[serverName]]></string></value>
  </param>
</params>
</methodCall>
```


4.10.5 Answer:

4.10.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
  <params>
    <param>
      <value>
        <array>
          <data>
            <value>
              <boolean>1</boolean>
            </value>
            <value>
              OK
            </value>
          </data>
        </array>
      </value>
    </param>
  </params>
</methodResponse>
```

4.10.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:Invalid MAC(s):00s1122334400
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.11 redirect.editDevice^[2]

If the MAC address you are registering has been registered by another RPS user, you can confirm whether to override the previous registration by *isOverride* parameter.

4.11.1 XML-RPC signature:

```
redirect.editDevice(mac,serverName,isOverride)
```

4.11.2 Parameter:

1. **mac** :The MAC address you would like to edit.
2. **serverName**: The server name you would like to re-register the MAC to.
3. **isOverride**: Confirm whether to override the previous registration or not.
 - (1) 1: Override confirmation
 - (2) 0: Cancel registration

4.11.3 Return values:

1. Result code: *True*, *False*
2. Result text:
 - (1) **OK**: If the MAC address has been registered successfully to a specific server.
 - (2) **Errors**:
 - 1) *Invalid MAC(s):mac*→Invalid format of MAC address
 - 2) *The MAC is unknown* → *MAC has not been registered*
 - 3) *Error:Invalid server*→Invalid server name
 - 4) Only 0 or 1 can be used:1 to override, 0 to cancel→Invalid isOverride value
 - 5) MAC address(es) overriding failed→Failed to override the previous MAC address

4.11.4 Request:

```
<?xml version='1.0' encoding='UTF-8'?>
<methodCall>
<methodName>redirect.editDevice</methodName>
<params>
  <param>
    <value><string><![CDATA[001565000001]]></string></value>
  </param>
  <param>
    <value><string><![CDATA[serverName]]></string></value>
  </param>
  <param>
    <value><string><![CDATA[0]]></string></value>
  </param>
</params>
</methodCall>
```

4.11.5 Answer:

4.11.5.1 Positive Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>1</boolean>
          </value>
          <value>
            OK
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

4.11.5.2 Negative Answer:

```
<?xml version="1.0" encoding="UTF-8"?>
<methodResponse
xmlns:ex="http://ws.apache.org/xmlrpc/namespaces/extensions">
<params>
  <param>
    <value>
      <array>
        <data>
          <value>
            <boolean>0</boolean>
          </value>
          <value>
            Error:Invalid MAC(s):00s1122334400
          </value>
        </data>
      </array>
    </value>
  </param>
</params>
</methodResponse>
```

About Yealink

Founded in 2001, Yealink is the professional designer and manufacturer of IP Phone and IP Video Phone for the world-wide broadband telephony market. For more than ten years, Yealink has focused on VoIP products characterized by high cost-performance, easy deployment and affordable price. Yealink benefits customers from flexibility and broad interoperability with the major IP-PBX, softswitch and IMS in the market. Chosen by famous carriers, enterprises and clients from over 80 countries, Yealink provides SMB and diversified customers from all over the world a best choice to extend the value of network communication.



Contact us

Yealink Network Technology Co., Ltd.

Addr: 4th-5th Floor, South Building, No.63 Wanghai Road,
2nd Software Park, Xiamen, China (361008).

Tel: 86-592-570-2000

www.yealink.com