



**FREEDOM ★ FONE**  
IT'S FOR YOU

# **OfficeRoute**

## **Setup & Troubleshooting Guide**

**Freedom Fone Sekowei 2.0**

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## 1. First steps – setup via web browser

The OfficeRoute can be configured using a PC running Windows, a USB cable and the Windows utility provided on the CD with your equipment. However, we recommend using a crossover cable and configuring the OfficeRoute using the Firefox browser installed on your Freedom Fone server.

- i. Install Freedom Fone on a free computer.
- ii. Before you begin configuring your OfficeRoute you should
  - o make sure you have a crossover cable
  - o use your mobile phone to disable the PIN code request for all the SIM cards you intend to use, before inserting them in the OfficeRoute
  - o locate the “office\_route” folder on the Freedom Fone server desktop. Inside the folder you will find an archive entitled “backup\_officeroute\_2.3.11.tgz”.
  - o check to see if there is a new release of the firmware on the supplier’s website. The Freedom Fone v2.0 installer ships with OfficeRoute firmware v2.3.11.  
If necessary, download the latest version of the firmware from <http://www.2n.cz/en/products/umts/officeroute/downloads/> and save a copy on the Freedom Fone PC.
- iii. While the OfficeRoute is switched off, insert your sim cards into the bays at the front of the device. Sim cards should be inserted into the top slots with corner into the chassis and chip-side down. Sim cards should be inserted into the bottom slots with corner into the chassis and chip-side up. **Do not remove or insert sim cards when the OfficeRoute is switched on.**
- iv. Connect the crossover cable to the ethernet point on the OfficeRoute and connect the other end of the crossover cable to the PC running Freedom Fone. Using the Firefox browser on the Freedom Fone server enter the default IP address of the OfficeRoute, **192.168.1.1**, in the browser bar.

### Configuration Wizard

If you are connecting to the 2N® OfficeRoute gateway the first time or after a factory reset, the configuration wizard should appear.



- 1. Introduction**
- 2. Administrator's password
- 3. Timezone
- 4. PIN codes for SIM cards
- 5. Data connection
- 6. Extension number allocation
- 7. Passwords for extensions
- 8. Outgoing calls through VoIP operator
- 9. Outgoing calls through GSM/UMTS
- 10. Incoming calls
- 11. Finish

## 1. Introduction

Dear customer, thank you for choosing to buy 2N OfficeRoute.

2N OfficeRoute has the following features:

- IP telephony PBX
- mobile PBX
- UMTS router with DHCP server (connects all computers in a network to the Internet over UMTS)
- firewall

You can make calls over both GSM and UMTS networks, connect an analogue fax, use voicemail and operate IVR (interactive voice response).

The configuration guide will lead you through the 2N OfficeRoute set up steps. After entering the required information you will be able to use a high speed data Internet connection, make outgoing and incoming calls to GSM and UMTS networks and benefit from the PBX feature.

## Finish

That's all we need to do for now, so select Finish from the menu on the LHS and exit the configuration wizard.



- 1. Introduction
- 2. Administrator's password
- 3. Timezone
- 4. PIN codes for SIM cards
- 5. Data connection
- 6. Extension number allocation
- 7. Passwords for extensions
- 8. Outgoing calls through VoIP operator
- 9. Outgoing calls through GSM/UMTS
- 10. Incoming calls
- 11. Finish**

## 11. Finish

Congratulations, you have set the basic 2N OfficeRoute features. You can now utilise the Internet connection for your network, as well as make internal and external calls. In order to set advanced features please refer to the manual on the provided CD.

**[Exit configuration wizard.](#)**

## 2. Modifying settings via web browser

### 2a. Login

Now that the initial wizard configuration is completed, you can configure all the OfficeRoute parameters using the web browser interface. To establish connection with the OfficeRoute, enter the default IP address (192.168.1.1) of the OfficeRoute into the browser bar. After entering the IP address you should see a screen prompting you for a “Username” and “Password”. Username and Password are case sensitive.

Username: Admin  
Password: 2n

Press the login icon.



### 2b. Clearing the browser's cache

Sometimes your browser will not allow you to enter the “Username” and “Password”, instead it will keep redisplaying the “Username” it has cached in memory.

For Firefox users:

From the Firefox main menu select **Edit** → **Preferences**.

Under *Security* ensure that the option to remember passwords for sites is off.

Under *Privacy* clear all history, including the cache.

Refresh the login page and the “Username” should now be blank.

## 2c. Licence

After a successful login the network information page of OfficeRoute configuration application is displayed. You can return to this page by selecting the "Network" tab at the top of the page.

On this page (see screenshot on next page) take note of the lines with the following settings:

**"SIP"** - adjacent to this the value should be **"Enabled"**

**"Expires (hours)"** - adjacent to this the value should be **"Unlimited"**

**"SNMP"** adjacent to this the value should be **"Enabled"**

If for any reason the three parameters have different values assigned to them please contact the dealer who supplied you with the equipment and request an unlimited license SNMP and POP enabled.

### Uploading a licence to your OfficeRoute

If you have to request a licence from your supplier, it will be supplied in the form of a .key file. To upload the licence to your OfficeRoute, select the "Administration" tab at the top of the page. Select "Upload licence" from the menu on the LHS. Use the browse button to locate and upload the key file provided by your supplier.



Also on the network information page check to see that the firmware version running on your OfficeRoute is the latest available from 2N.

At the time of writing this guide the current firmware version is 2.3.13. You can view the firmware version under the “**System information**” section - check for the line which displays “**Version**”. If the version of firmware you are running is old you should download the latest from the 2n website: <http://www.2n.cz/en/products/umts/officeroute/downloads/>

The screenshot shows the 2N OfficeRoute web interface. At the top, there is a navigation bar with the 2N logo and language options (SK, CZ, EN). Below the navigation bar, there are several icons representing different sections: Network, User management, Telephony services, Administration, States & Logs, and Messaging. The main content area is divided into two sections: License and System information. The License section lists various parameters and their values, and the System information section lists system details.

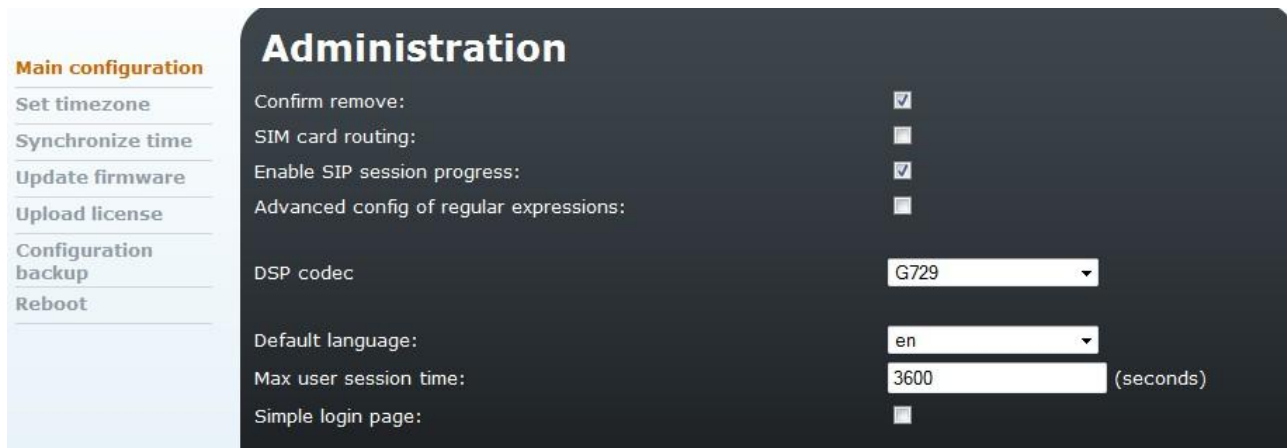
| License            |                        |
|--------------------|------------------------|
| Company            | 2N TELEKOMUNIKACE a.s. |
| E-mail             | support@2n.cz          |
| Proxy server users | UNLIMITED              |
| Voicemail users    | 10                     |
| SNMP               | Enabled                |
| SMS users          | 150                    |
| Data connection    | Enabled                |
| SIP                | Enabled                |
| H.323              | Disabled               |
| Softswitch         | Enabled                |
| Softswitch calls   | 10                     |
| Expires (hours)    | License expired        |

| System information |                        |
|--------------------|------------------------|
| Manufacturer       | 2N TELEKOMUNIKACE a.s. |
| Version            | 2.3.0beta2             |
| Serial number      | 08-1357-0001           |
| DSP firmware       | G729                   |
| System uptime      | 21:09:00               |
| Process uptime     | 21:08:29               |

## 2d. Upgrading Firmware

You can skip this section if you are running the current firmware version. Once you are done downloading the firmware, select the "Administration" tab at the top of the page. The page shown below should be displayed.



The screenshot shows the "Administration" configuration page. On the left is a navigation menu with the following items: "Main configuration" (highlighted), "Set timezone", "Synchronize time", "Update firmware", "Upload license", "Configuration backup", and "Reboot". The main content area is titled "Administration" and contains the following settings:

|   |                                     |
|---|-------------------------------------|
| Confirm remove:                         | <input checked="" type="checkbox"/> |
| SIM card routing:                       | <input type="checkbox"/>            |
| Enable SIP session progress:            | <input checked="" type="checkbox"/> |
| Advanced config of regular expressions: | <input type="checkbox"/>            |
| DSP codec                               | G729                                |
| Default language:                       | en                                  |
| Max user session time:                  | 3600 (seconds)                      |
| Simple login page:                      | <input type="checkbox"/>            |

Select "Update firmware" from the menu on the LHS and using the browse function navigate to your newly downloaded file, select it and click save from the options in the bottom right hand corner of the screen.

The loading process will start and should take about 5 minutes...be patient! Thereafter the the OfficeRoute will reboot and you will be required to log in again. Once you are logged in, check to see that the version number has changed on the screen displayed. If not, repeat the upgrading firmware instructions.

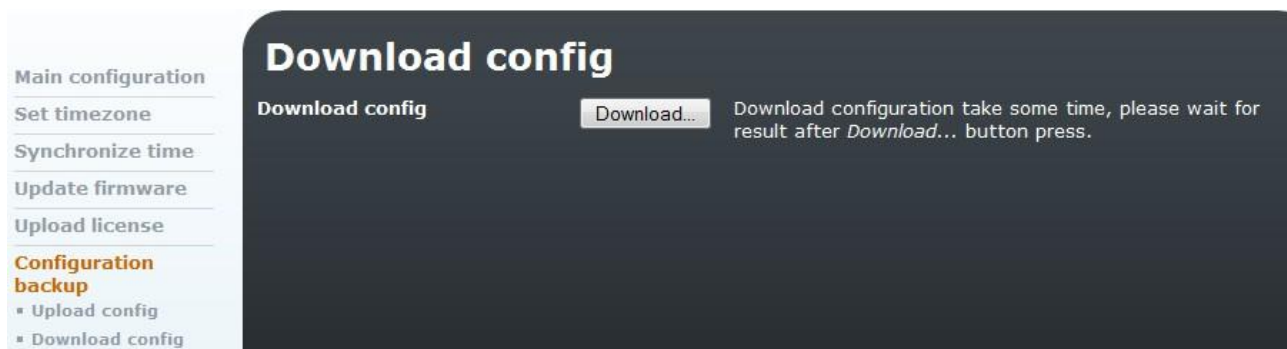
## 2e. Synchronizing Time

In order for your call data records to be accurate you will need to synchronize the time of the OfficeRoute to that of the Freedom Fone server.

Select the "Administration" tab at the top of the page. Then select "Synchronize time" from the menu on the LHS of screen. A screen showing the time on the OfficeRoute and the time on the Freedom Fone server will be displayed. Click on the synchronize button to set the OfficeRoute time to the time of the Freedom Fone server.

## 2f. Uploading the backup file

Select the "Administration" tab at the top of the page. Then select "Configuration backup" from the menu on the LHS of screen. A submenu will be displayed beneath "Configuration backup". Select "Upload config". Browse for the backup file you found on the Freedom Fone desktop (backup\_officeroute\_2.3.11.tgz) and upload the file. The process will take about 5 minutes after which the system will reboot.



After rebooting, the OfficeRoute will have the new default settings required for operation with Freedom Fone. The default IP address that Freedom Fone assigns to the OfficeRoute is 192.168.1.46. Hence, after uploading the backup file the IP of the OfficeRoute will no longer be 192.168.1.1. To login again, you will need to enter 192.168.1.46 in your browser bar to access the OfficeRoute.

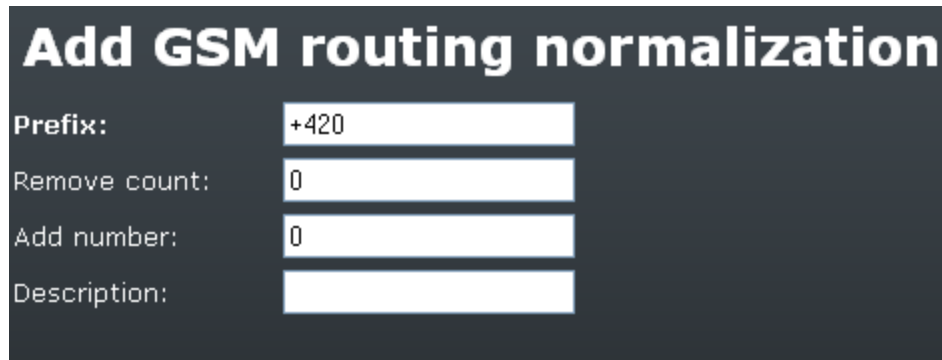
## 2g. Normalisation

The OfficeRoute can apply rules to the prefix of the incoming caller ID string (phone number) – allowing you to modify the OfficeRoute to work with phone number formats used in your country. The reason for this is to maintain consistency in the format of your call data records. Operators insert different prefixes at the start of the caller IDs (phone numbers) eg + or 00.

In order for your call records to be uniform regardless of the operator from which the call originates, it may be necessary to change the normalization settings. To do this select the "Telephony Services" tab at the top of the page. Next select "GSM routing" from the menu displayed on the LHS and "Normalisation" from the submenu that is subsequently displayed beneath "GSM routing".

The screenshot below shows an example of normalization settings. In this example, any incoming caller ID number which begins with the pattern +420 will have +420 removed and

a zero inserted at the beginning of the number.



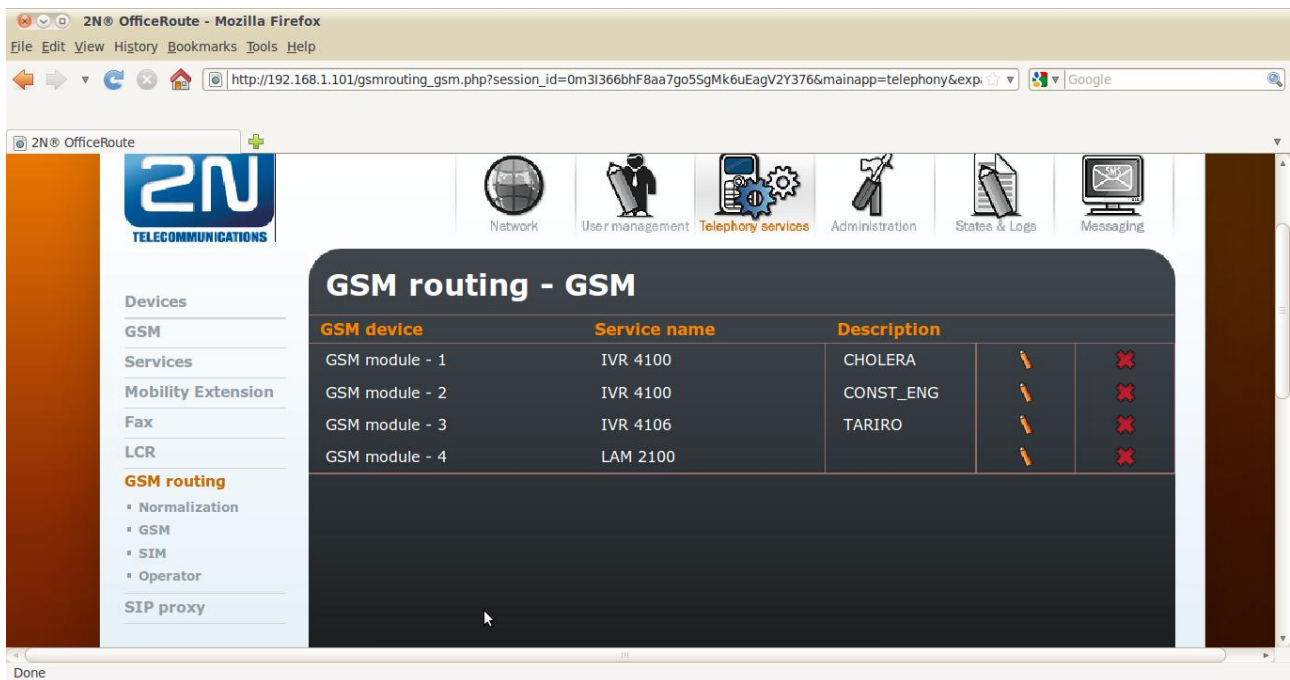
|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b>Add GSM routing normalization</b> |                                   |
| Prefix:                              | <input type="text" value="+420"/> |
| Remove count:                        | <input type="text" value="0"/>    |
| Add number:                          | <input type="text" value="0"/>    |
| Description:                         | <input type="text"/>              |

The "Remove count" specifies from which point of the prefix the OfficeRoute should start removing digits. A remove count of zero means characters will be stripped from the start of the prefix value. In the example above, all digits in the specified prefix, starting from +, will be removed and a zero (0) be prefixed to the remaining number.

## 2h. Routing calls to Voice Menus

If you have followed all the steps above, you should be able to make a phone call to a sim card previously inserted into the OfficeRoute, and have it answered by Freedom Fone's default IVR menu. Note that the default IVR menu is assigned a service number of 4100.

After you've created your own Freedom Fone voice menus, you will want to redirect incoming calls via the OfficeRoute to service numbers associated with these menus. To do this select the "Telephony services" tab at the top of the page. Next select "GSM routing" from the menu displayed on the LHS and "GSM" from the submenu that is subsequently displayed beneath "GSM routing". You should see a page similar to the one in the screenshot below displayed.



Use the pencil to the right of each row to change the service name of the IVR menu to that associated with your new Freedom Fone voice menu(s). When done, click the save button in the bottom right hand corner of the screen. As you will probably have figured out, it is possible to have each GSM module (sim card) pointing to the same or a different IVR menu by changing the service name associated with the module. The "Description" field is for documentation purposes.



Having followed the steps to this point, you are ready to use your OfficeRoute with Freedom Fone.

## 3. Advanced Setup of the OfficeRoute

### 3a. Changing OfficeRoute Admin user password

There are two ways of changing the default password of the OfficeRoute:

- If you are connecting to the OfficeRoute for the first time, or connecting after a factory reset, you can use the OfficeRoute wizard.
- The second way is to log into the OfficeRoute using the default username (Admin) and password (2n), then select the "User Management" tab at the top of the page to change these details

The two methods are outlined below.

**Important:** Since Freedom Fone uses the password to authenticate with the OfficeRoute, you **must** modify a Freedom Fone configuration file to use the new password.

Communication between Freedom Fone and the OfficeRoute will fail until you do so.

Instructions are provided in sub section 3a1 entitled [Modify Freedom Fone configuration file](#).

#### i. Using the Wizard

From the wizard's LHS menu, select option 2, "Administrator's password". You will be prompted to enter the new password twice and when done click on the save button at the bottom of the page.



- 1. Introduction
- 2. Administrator's password**
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- 9. Outgoing calls through GSM/UMTS
- 10. Incoming calls
- 11. Finish

### 2. Administrator's password

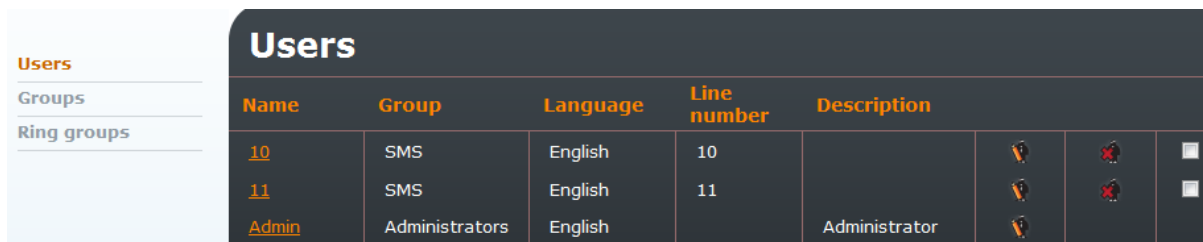
Enter a new administrator password for logging on to the web interface. It is important to change the password to ensure the security and protection of your data. The administrator username is Admin.

New password:

Confirm new password:

## ii. Changing Password using "User Management" tab

Select the "User Management" tab at the top of the page. Next select "Users" from the menu on the LHS. Use the edit function (pencil) on the row with user "Admin". Enter the new password twice in the fields provided on the form and save.



| Name  | Group          | Language | Line number | Description   |
|-------|----------------|----------|-------------|---------------|
| 10    | SMS            | English  | 10          |               |
| 11    | SMS            | English  | 11          |               |
| Admin | Administrators | English  |             | Administrator |

### 3a1. Modify Freedom Fone configuration file

Use the command line terminal icon in Freedom Fone to go into terminal mode. At the command line prompt type the following command:

```
# gedit /usr/local/freedomfone/office_route/config.php
```

The config.php file should open in the *gedit* editor. Look for the code snippet shown below and change the 'pass' setting to the new password you have set for the OfficeRoute. Save and close the file.

If you are connecting more than one OfficeRoute you should change the other instances of 'pass' following the code snippet shown below.

```
$_OfficerouteParamSingle = array(  
    array(  
        'host'=>'192.168.1.46',  
        'user'=>'Admin',  
        'pass'=>'2n',  
        'port'=>'110'  
    ));
```

### 3b. Changing the default IP address of the OfficeRoute

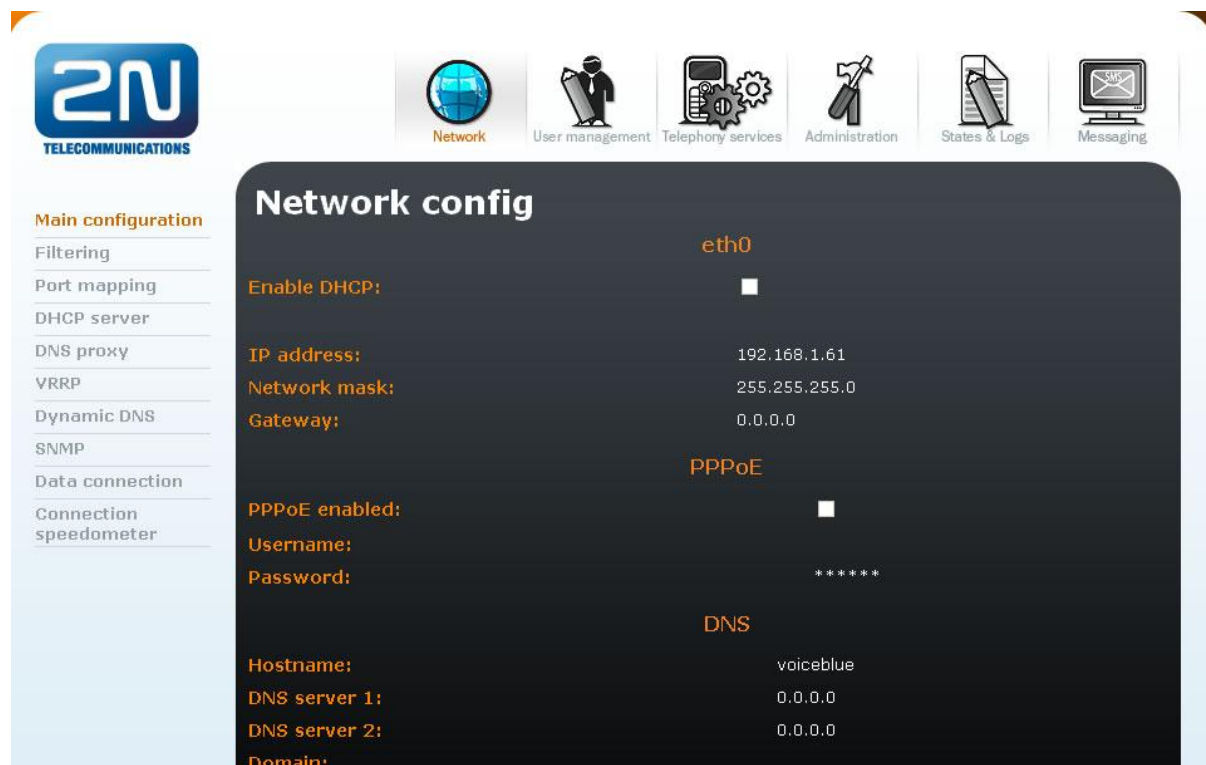
The default IP address assigned to a new OfficeRoute by the supplier is 192.168.1.1. If the Freedom Fone OfficeRoute backup config file has been uploaded to the OfficeRoute, the IP address of the device will be set to 192.168.1.46.

You can modify the OfficeRoute's IP address by selecting the "Network" tab at the top of the page. Next select "Main configuration" from the menu displayed on the LHS. Select the modify icon in the bottom right hand corner of the screen to edit details on this screen.

**Important:** Since Freedom Fone uses the OfficeRoute IP address to authenticate with the

OfficeRoute, you **must** modify 2 Freedom Fone configuration files to reference the new IP address. Communication between Freedom Fone and the OfficeRoute will fail until you do so. Instructions are provided in sub section 3b1 entitled [Modify Freedom Fone configuration files](#).

Remember to save your changes.



### 3b1. Modify Freedom Fone configuration files

Use the command line terminal icon in Freedom Fone to go into terminal mode.

i. At the command line prompt type the following command:

```
# gedit /usr/local/freedomfone/office_route/config.php
```

The config.php file should open in the *gedit* editor. Look for the code snippet shown below and change the 'host' setting to the new IP address you have allocated to the OfficeRoute.

Save and close the file.

If you are connecting more than one OfficeRoute you should change the other instances of 'host' following the code snippet shown below.

```
$_OfficerouteParamSingle = array(  
    array(  
        'host'=>'192.168.1.46',  
        'user'=>'Admin',  
        'pass'=>'2n',  
        'port'=>'110'  
    ));
```

ii. At the command line prompt type the following command:

```
# gedit /usr/local/freedomfone/config/officeroute_snmp_cake.php
```

Look for the code snippet shown below and change the 'ip address' setting to the new IP address you have allocated to the OfficeRoute.

```
$config['OR_SNMP']= array(  
    array('ip_addr'    => '192.168.1.46' ,  
        'community' => 'public' ,  
        'object_id' => '1.3.6.1.4.1.6530.4.2.2.1'  
    ));
```

Save and close the file.

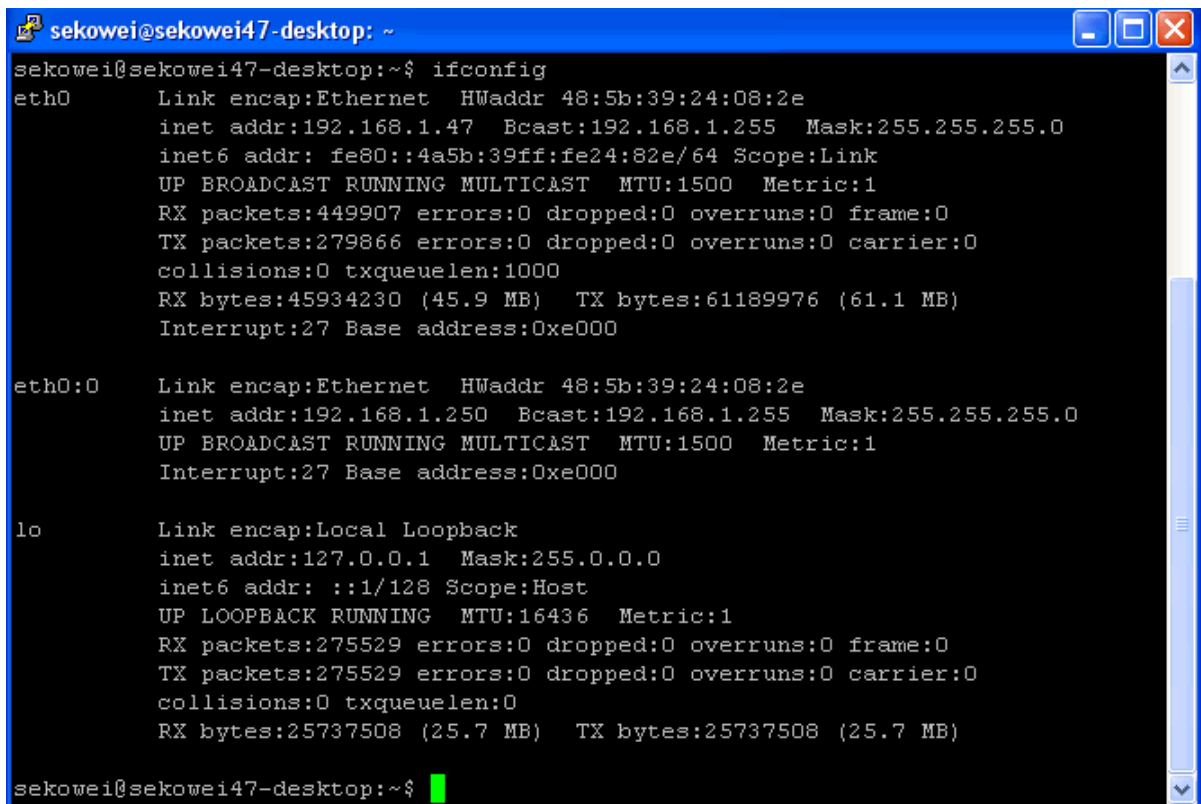
### **3c. Changing the virtual IP address of the Freedom Fone server**

By default the Freedom Fone server is allocated a secondary fixed IP address of 192.168.1.250 which is assigned as a virtual IP address to eth0:0

To view the server's network settings, use the command line terminal icon in Freedom Fone to go into terminal mode. Type the following command:

```
# ifconfig
```

Details will be displayed as shown in the screenshot below.



```
sekowei@sekowei47-desktop: ~$ ifconfig
eth0      Link encap:Ethernet  HWaddr 48:5b:39:24:08:2e
          inet addr:192.168.1.47  Bcast:192.168.1.255  Mask:255.255.255.0
          inet6 addr: fe80::4a5b:39ff:fe24:82e/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:449907 errors:0 dropped:0 overruns:0 frame:0
          TX packets:279866 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:45934230 (45.9 MB)  TX bytes:61189976 (61.1 MB)
          Interrupt:27 Base address:0xe000

eth0:0    Link encap:Ethernet  HWaddr 48:5b:39:24:08:2e
          inet addr:192.168.1.250  Bcast:192.168.1.255  Mask:255.255.255.0
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          Interrupt:27 Base address:0xe000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:275529 errors:0 dropped:0 overruns:0 frame:0
          TX packets:275529 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:25737508 (25.7 MB)  TX bytes:25737508 (25.7 MB)

sekowei@sekowei47-desktop:~$
```

If you need to change the secondary fixed IP address allocated by default to the Freedom Fone server you **must** follow the steps below.

Note though, that you can modify the OfficeRoute SIP server setting to refer directly to the primary IP address of the Freedom Fone server instead of the secondary fixed IP address. If you are having problems with your setup, [try taking this step \(3d\) before modifying the secondary fixed IP address](#).

### 3c1. Modify Freedom Fone configuration files

Use the command line terminal icon in Freedom Fone to go into terminal mode.

i. At the command line prompt type the following command:

```
# gedit /etc/rc.local
```

Look for the code snippet shown below and change 192.168.1.250 as required

```
# Interface Aliasing for OfficeRoute
/sbin/ifconfig eth0:0 192.168.1.250 netmask 255.255.255.0 up
```

Save and close the file.

ii. At the command line prompt type the following command:

```
# gedit /usr/local/freeswitch/conf/sip_profiles/officeroute.xml
```

Look for the code snippet shown below and change 192.168.1.250 as required

```
<!-- ip address to use for rtp, DO NOT USE HOSTNAMES ONLY IP ADDRESSES -->  
<param name="rtp-ip" value="192.168.1.250"/>  
<!-- ip address to bind to, DO NOT USE HOSTNAMES ONLY IP ADDRESSES -->  
<param name="sip-ip" value="192.168.1.250"/>
```

Save and close the file.

Don't forget to update the corresponding setting on the OfficeRoute by following the next step.

### 3c2 Change the SIP server setting on the OfficeRoute

See step 3d below.

### 3d Changing the SIP server setting on the OfficeRoute

If you do not want to use the default IP settings for the Freedom Fone server (a secondary fixed IP address of 192.168.1.250 which is assigned as a virtual IP address to eth0:0), you can modify the default SIP server setting used by the OfficeRoute to communicate with the Freedom Fone server.

Select the "Telephony Services" tab at the top of the page. Next select "Devices" from the menu on the LHS and "SIP lines" from the submenu that is subsequently displayed beneath "Devices".



The screenshot shows the 2N OfficeRoute web interface. At the top, there is a navigation bar with the 2N logo and the text "2N OfficeRoute". To the right of the logo, there are language selection buttons for "SK", "CZ", and "EN", and an "Admin" button. Below the navigation bar, there is a menu with icons for "Network", "User management", "Telephony services", "Administration", "States & Logs", and "Messaging". The "Telephony services" menu item is highlighted. On the left side, there is a sidebar menu with "Devices" selected, and a submenu showing "SIP lines", "H.323 lines", "SIM cards", "DISA lines", "Fax lines", and "Fxs line". The "SIP lines" submenu item is selected. The main content area displays a table of SIP lines. The table has columns for "Line ID", "SIP server", "Phone number", "Listen port", and "Description". There is one row of data with the following values: Line ID [16], SIP server 192.168.1.60, Phone number (empty), Listen port 5080, and Description Freedom Fone. To the right of the description, there are three icons: a pencil (edit), a red X (delete), and a square (refresh).

| Line ID | SIP server   | Phone number | Listen port | Description  |
|---------|--------------|--------------|-------------|--------------|
| [16]    | 192.168.1.60 |              | 5080        | Freedom Fone |

Use the edit icon (pencil) to change the IP address of the SIP server from 192.168.1.250 to the primary IP address of your Freedom Fone server.

Save your changes.

## 4. Troubleshooting

### 4a. Number not available

- i. Is there good signal to your SIM cards?
  - Check signal level on your sim cards using the Freedom Fone interface. Navigate to: **Dashboard → GSM channels**
  - In the OfficeRoute tables displayed, check for a column which reads *Signal level*. Signal level values for the OfficeRoute are Poor, Good and Excellent.
  - If the signal is Poor please find a better location for the Office Route.
- ii. Check the SIM cards are properly seated
  - Check that the IMSI number is displayed in the OfficeRoute table
  - If the IMSI number is not displayed, shut down both the PC and the Office Route.
  - Ensure that the SIM cards are seated properly, then power up your equipment again.
- iii. PIN code not set off?
  - Ensure that you either
    - remove the PIN code request for each SIM card (see 1 First steps) **or**
    - provide the correct PIN via the OfficeRoute interface for each SIM card inserted.

### 4b. Number rings continuously

This can be as a result of an expired license. Use the OfficeRoute interface to check that your License is still valid. Refer to [2c](#), the section on licences covered earlier in this manual.

### 4c. Call connects and cuts off immediately

This is usually caused by routing a GSM module to a Voice Menu that does not exist in Freedom Fone.

- Use the OfficeRoute interface to check your GSM routing settings for each

- SIM card (see [2h](#) earlier in this manual).
- Use the Freedom Fone interface to check that the Voice Menus selected to receive calls exist.

#### 4d. OfficeRoute details do not display on the GSM channels page

##### ...although inbound calls being answered.

This is usually the case when you change the default IP address of the OfficeRoute (192.168.1.46) to something else. Freedom Fone uses the IP address of the OfficeRoute to capture settings information such as IMSI number, Network registration, Operator and Signal level. To rectify this:

- Edit the config.php file in the location /usr/local/freedomfone/gui/app/config

```
#gedit /usr/local/freedomfone/gui/app/config/config.php
```

Change the IP address referenced for the OfficeRoute to the new IP address that you have assigned the OfficeRoute. The section you edit should look like the code snippet shown below;

```
$config['OR_SNMP']= array(  
    array('ip_addr' => '192.168.1.46' ,  
        'community' => 'public' ,  
        'object_id' =>  
'1.3.6.1.4.1.6530.4.2.2.1'  
    ));
```

- When done save the file and refresh the Freedom Fone **Dashboard → GSM channels** page. You should see the details of the OfficeRoute displayed.

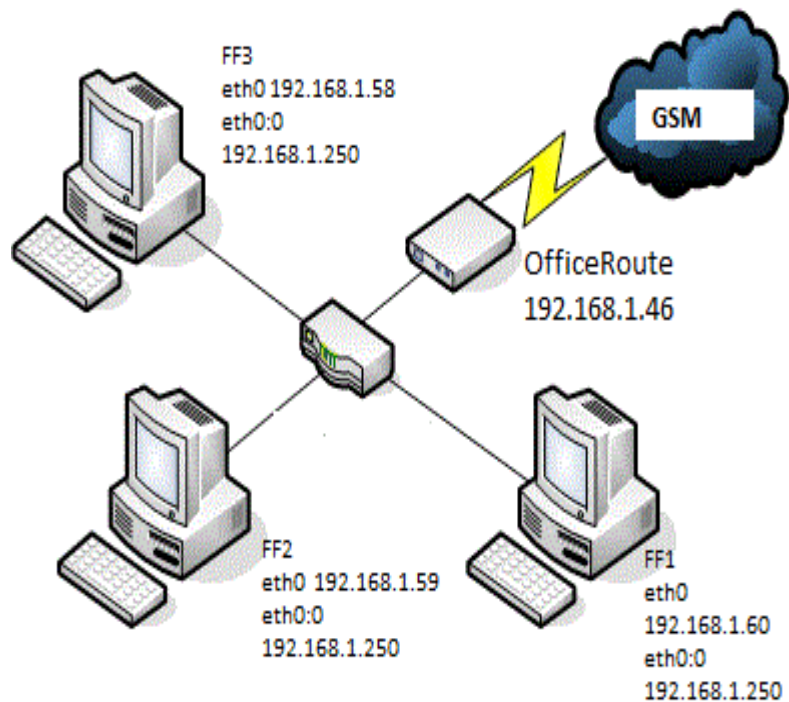
#### 4e. Calls being answered by the wrong Freedom Fone server

This may happen in a deployment with several Freedom Fone servers on a LAN.

- The default configuration for the OfficeRoute uses the network alias configured on the Freedom Fone server to route calls.
- The IP address of the network alias (eth0:0) is 192.168.1.250 and is automatically set when you install Freedom Fone.
- When you have more than one Freedom Fone server this will mean that you have several PCs with an alias IP address of 192.168.1.250 on the LAN. This presents a challenge for the OfficeRoute device(s) on the same LAN as they do not know to which PC to route traffic.
- We have found that the OfficeRoute will route traffic to the PC with the highest IP

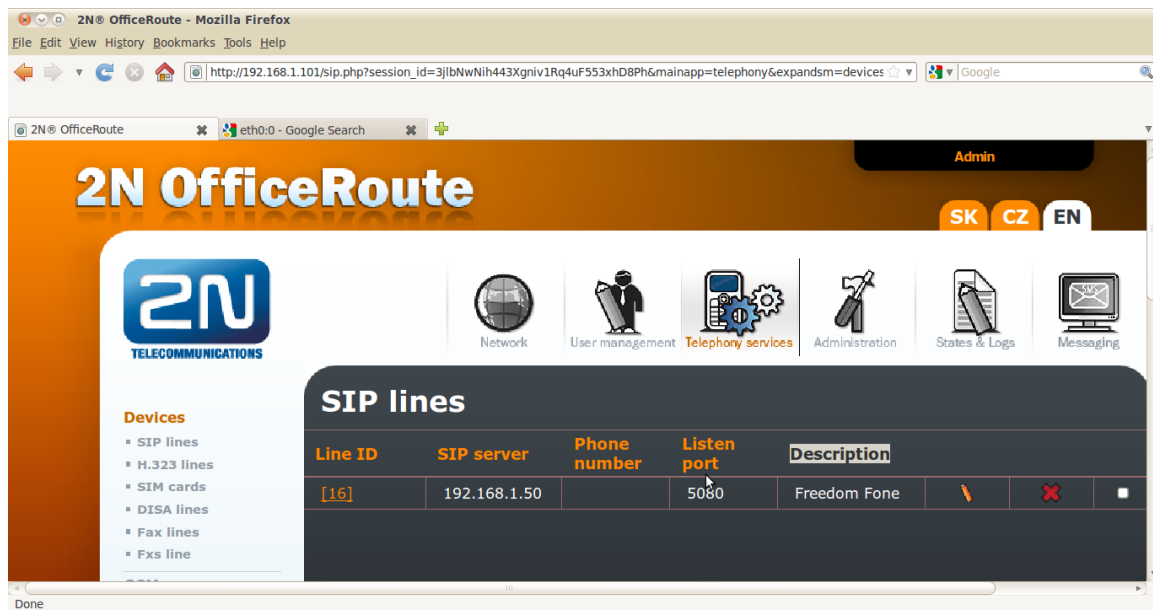
address on the LAN.

For example, if you have 3 PCs as shown below, all calls will go to FF1 which has the highest eth0 IP address (192.168.1.60) although the alias addresses are the same for all 3 PCs.



In order to get calls going to the PC you want follow these steps:

- i. On the OfficeRoute interface, select the “Telephony Services” tab from the top menu. Select “Devices” from the menu on the LHS and then “SIP lines” from the submenu below.
- ii. Use the edit function on the screen (see the pencil icon in the screenshot on the next page) to change the IP address from the default 192.168.1.250 to the actual IP address of the PC to which you want calls to be directed. Click on save button when done.
- iii. Several OfficeRoutes can be directed to a single PC but one OfficeRoute cannot route to different PCs.



For further troubleshooting tips or anything relating to this manual please contact us by email at [info@freedomfone.org](mailto:info@freedomfone.org). Please use our online forum to ask questions and share information with the Freedom Fone user community. Join us at: <http://www.freedomfone.org/forum>