Sipura SPA-841
Automatic Configuration Instructions

SPA-841
2 or 4 Line Business Phone

Step 1: Connect the Sipura SPA-841 to your broadband connection

1. Connect the SPA-841 to your network via Ethernet and attach the power connector to the rear of the phone.

Step 2: Verify & Configure your IP Address

First we need to verify that your SPA-841 will acquire an IP Address automatically if your network supports DHCP.

If your network uses a DHCP Server to assign IP Addresses to network devices, or if you are connecting the SPA-841 to a home router such as a Linksys or Netgear router or a modem that supports DHCP/NAT, please do the following:

1. Press the phone's *i* button, located at the bottom right corner of the keypad. This brings up the phone's configuration menu.

2. Press **9** to enter the network configuration area.

3. Check that **DHCP Enable** is set to **Yes**.

4. If DHCP Enable is set to **No**, turn it on: press **edit**, then **y/n**, then **ok**. To apply this change, press **save**, type **12** and press **ok**; the phone will restart with DHCP enabled.

Next, we must verify that the SPA-841 has a valid IP Address:

1. Press the phone's *i* button, located at the bottom right corner of the keypad. This brings up the phone's configuration menu.

2. Press **9** to enter the network configuration area.

3. Note the value of **Current IP**.

If the IP is 0.0.0.0, your SPA-841 does not have a valid IP address. In this case you need to:

4. Hang up the phone, unplug your SPA-841 power cord, wait one minute then reconnect.

5. Wait 2 minutes, and check the IP again.

6. If you still get 0.0.0.0, there can be two reasons for this:

   a. Your DHCP Server is not assigning an IP address to the SPA-841 (in which case you should contact your network administrator or ISP for assistance).

   b. Your network does not have a DHCP server or you have purchased a Static IP Address for the SPA-841 from your ISP. In this case, please proceed to Manually Assigning a Static IP Address below, otherwise skip this step.

Manually Assigning a Static IP Address

Members using static IP on their home network may wish to configure the adaptor with static IP. If you have obtained a static IP from your internet service provider (ISP) and wish to configure your adaptor with your static IP settings, please follow the instructions below:

1. You will first have to obtain the following information:
   • IP Address • Default Gateway • Subnet Mask
   If you are using a router, please contact your router manufacturer for instructions on retrieving this information from the router directly. If you are not using a router, please obtain the above information from your ISP.

2. Press the phone's *i* button, located at the bottom right corner of the keypad. This brings up the phone's configuration menu.

3. Press **9** to enter the network configuration area.

4. Check that **DHCP Enable** is set to **No**.

5. If DHCP Enable is set to **Yes**, turn it off: press **edit**, then **y/n**, then **ok**.

6. Scroll down to **Non-DHCP IP Address**, press **edit** and enter your SPA-841's IP address (using * to represent ".". eg. **123*45*67*89** to represent the IP address 123.45.67.89). Press **ok** to save the setting.

7. Scroll down to **Non-DHCP Subnet Mask**, press **edit** and enter your IP subnet mask (using * to represent ".". eg. **255*255*255*0** to represent the mask 255.255.255.0). Press **ok** to save the setting.

8. Scroll down to **Non-DHCP Default Route**, press **edit** and enter your Internet gateway's IP address (using * to represent ".". eg. **123*45*67*1** to represent the IP address 123.45.67.1). If using an ADSL or cable Internet modem, this address may be your modem's intranet address. Press **ok** to save the setting.

9. Scroll down to **Non-DHCP DNS 1**, press **edit** and enter your primary DNS server's IP address (using * to represent ".". eg. **123*45*67*1** to represent the IP address 123.45.67.1). If using an ADSL or cable Internet modem, this address may be your modem's intranet address; otherwise, use the primary DNS server address provided by your ISP. Press **ok** to save the setting.

10. Scroll down to **Non-DHCP DNS 2**, press **edit** and enter your secondary DNS server's IP address (using * to represent ".". eg. **123*45*67*2** to represent the IP address 123.45.67.2). This will normally be the secondary DNS server address provided by your ISP. Press **ok** to save the setting.

11. Scroll down to **Non-DHCP NTP Server 1**, press **edit** and enter **pool.ntp.org** (using keys 2-9 to represent letters, ie. **7666 6665*6687*6667774**). Press **ok** to save the setting.

12. Scroll down to **Non-DHCP NTP Server 2**, press **edit** and enter **time.nist.gov** (using keys 2-9 to represent letters, ie. **8444633*6644477778*4666888**). Press **ok** to save the setting.

13. To apply these changes, press **save**, type **12** and press **ok**; the phone will restart with DHCP enabled.

You have now completed the static IP configuration.

To verify that the configuration was correct, press the *i* button, then **9**. Note the value of **Current IP**; if it is not the same as what you entered, please repeat steps 1 through 12 to ensure that the settings are correct.

Step 3: Configure the SPA-841 to connect to the Firefly Network

1. Open your configuration page. To do so, type the following into your web browser:
   http://xxx.xxx.xxx.xxx/admin/advanced
   ("xxx.xxx.xxx.xxx" represents the IP address of your SPA-841).

2. Click on the **Provisioning** menu.

3. In the text box marked **Profile Rule** enter one of the following addresses, based on your location. If you have configured a **local dialing prefix** for your account via the **Freshtel website**, use one of the Local Prefix addresses; otherwise, use one of the other addresses. Each of these configuration files has been modified to provide the correct settings for your local country.

   (**NOTE** the underscores in "sipura_spa-841" and "initial_xx" – to be sure, copy and paste the appropriate line into the **Profile Rule** field instead of typing it).

   Local Prefix

   Australia: http://www.freshtel.net/support/hardware/sipura_spa-841/initial_au_local.cfg
   USA: http://www.freshtel.net/support/hardware/sipura_spa-841/initial_us_local.cfg
   UK: http://www.freshtel.net/support/hardware/sipura_spa-841/initial_uk_local.cfg

   No Local Prefix

   Australia: http://www.freshtel.net/support/hardware/sipura_spa-841/initial_au.cfg
   USA: http://www.freshtel.net/support/hardware/sipura_spa-841/initial_us.cfg
   UK: http://www.freshtel.net/support/hardware/sipura_spa-841/initial_uk.cfg

   All Other: http://www.freshtel.net/support/hardware/sipura_spa-841/initial.cfg

4. Click on the **Save Settings** button and close your web browser.

Step 4: Updating to the latest firmware and configuring your Firefly number and password

?????? Once the phone has applied the changes, browse to the following address to instruct the phone to upgrade its firmware. Eg, for an IP address of xxx.xxx.xxx.xxx:

2. You can now enter your Firefly details into the **Ext 1** (and optionally **Ext 2**) configuration areas. Enter your **Display Name**, **User ID** (this is your Firefly number) and **Password**.

   http://xxx.xxx.xxx.xxx/admin/upgrade?http://www.freshtel.net/support/hardware/sipura_spa-841/firmware.bin

   (**NOTE** the underscore in "sipura_spa-841" – to be sure, copy and paste the above line)

3. Click on the **Submit All Changes** button.

Your Sipura SPA-841 is now fully configured and ready to use on the Firefly Network! Simply pick up the handset and dial.

Dialling:

To dial a Firefly number or voicemail, prefix the number with a star, e.g. ***80001234**, ***123**.

If you have configured a local dialling prefix for your account via the [Freshtel website](#), you can dial local, national, mobile, and international PSTN numbers exactly as you would from a land line phone in your area; e.g. **08007654321** (US), **9557745** (US – local), **0061399156415** (UK – international), **99156415** (Australia – local).

If you have not configured a local dialling prefix, numbers are dialled in full (including country code but without any international dial prefix), e.g. **61399156415**, **18007654321**. Land lines and mobiles in Australia can be dialled with an initial **0**, e.g. **0399156415**.