



Quick Start Guide

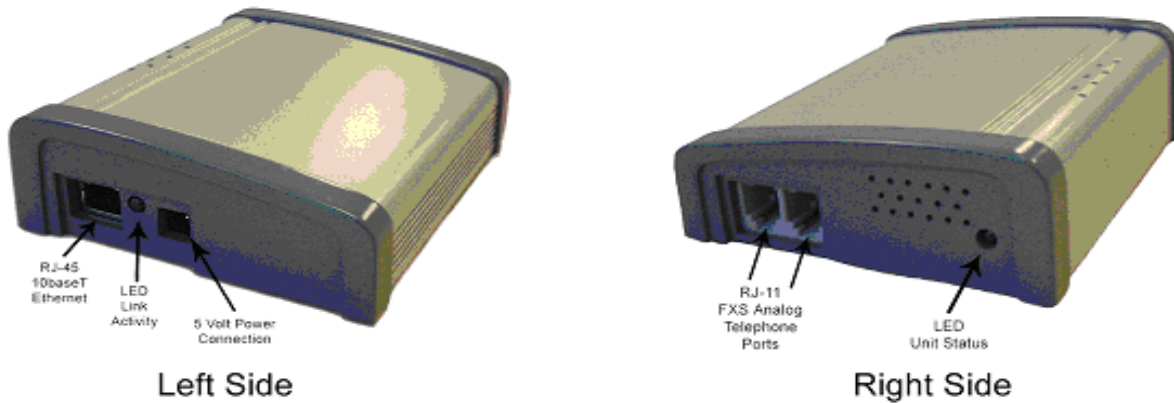
Sipura - SPA2000

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2.0 Cabling the Sipura

Figure1: Sides of the SPA2000



Connect a standard telephone to either the Phone-1 or Phone-2 port of the SPA2000. The telephone should be a modern tone-dialling (DTMF) type.

Connect the standard RJ45 Ethernet cable (supplied) to the LAN port. The other end of this cable should be connected to your Network feed (Router, Hub, Switch or similar).

Finally, Insert the power adapter cable into the 5V power socket of the SPA and power up the device by plugging the power adapter into a live power outlet.

3.0 Initial configuration

Initial configuration is completed by use of the connected telephone set and the SPA's built-in IVR (Interactive Voice Response) service. Whilst it is possible to configure the SPA with only the telephone set, it is far easier to understand and modify the various parameters if programming is completed using the SPA's built-in web interface. Before you can use your PC and browser however, you must complete the basic network configuration tasks with the telephone set.

To bring up the IVR service, lift the handset and dial **** (ignore any tones you may hear whilst dialling the four "stars" – you will eventually hear "Sipura configuration menu ..")

- 1) Check whether DHCP is enabled by entering 100#
- 2) If you use DHCP, enter code 110#, the IVR should announce the IP address, write it down and skip to step 9 below.

Note: To enable/disable DHCP, enter 101#, then when prompted enter 1 to enable or 0 to disable.

- If **DHCP is enabled**, check whether your SPA has successfully received an IP address thus, according to step 2.
- If **DHCP allocation was unavailable**, you will need to set the IP address manually.

- 3) Firstly, switch off DHCP by entering 101#, then 0
- 4) Use command 111# to set IP address, enter numbers from the telephone keypad – use the * key for the decimal point. (e.g. **10*10*60*134**)
- 5) Check Subnet Mask using 120#. If you need to change the setting, use
- 6) 121# to set Subnet Mask. Using numbers and * as above to enter the desired value (e.g. **255*255*255*0**).
- 7) Check the IP address of your Internet gateway using 130#. If you need to change/set this address, use
- 8) 131# - once more using numbers and * to enter the desired value (e.g. **10*10.*60*254**)

Review the IP address setting using 110# - write it down.

- 9) You may now connect to the SPA from your PC browser – the PC must be connected to the same network as the SPA. In your browser address window type **http://<the IP address you wrote down>/admin/advanced** and press return on your PC keyboard.

3.1 IVR Code table

Action	Code	User Input	Behavior Notes
Enter IVR Menu	****	None	Ignore SIT or other tones until you hear, "Sipura configuration menu. Please enter option followed by the pound key or hang-up to exit."
Check DHCP	100	None	IVR will announce if DHCP is enabled or disabled.
Set DHCP	101	Enter 1 to enable Enter 0 to disable	Enter option followed by the pound key.
Check IP Address	110	None	
Set IP Address	111	Enter value using numbers on the telephone key pad. Use the * (star) key when entering a decimal point.	Enter value followed by the pound key. DHCP must be 'Disabled' otherwise you will hear, "Invalid Option," if you try to set this value.
Check Net Mask	120	None	
Set Net Mask	121	Enter value using numbers on the telephone key pad. Use the * (star) key when entering a decimal point.	Enter value followed by the pound key. DHCP must be 'Disabled' otherwise you will hear, "Invalid Option," if you try to set this value.
Check Gateway	130	None	
Set Gateway	131	Enter value using numbers on the telephone key pad. Use the * (star) key when entering a decimal point.	Enter value followed by the pound key. DHCP must be 'Disabled' otherwise you will hear, "Invalid Option," if you try to set this value.

Your browser should now show a tabbed user-interface page. The pages are labelled; Info, System, SIP, Regional, Line 1, Line 2, User 1 and User 2.

If you do not see all these tabs you are not in the "advanced admin" mode. To get there click on "Admin Logon" then "Advanced" at the top right of the webpage.

These tabbed pages allow complete and detailed customisation of almost every element of the device, but for simple use as a Phoneserve gateway only a very few changes are necessary;

(The Info page displays current setup. There are no configuration changes possible on this page.)

On the System page; network connectivity options may be set, but because you are viewing that page you have obviously already managed those parameters via the IVR Interface.

On the SIP, Provisioning, Regional, User 1 and User 2 pages; the device defaults should suffice for basic operations.

The Line 1 settings that may require changing from default are these:

Line Enable	YES
SIP port	5060
Proxy	sp.phoneserve.com
Outbound Proxy	sp.phoneserve.com
User ID	18-digit Phoneserve account 1
Preferred Codec	G723
Use Pref Codec only	YES

Line 2 changes will be these:

Line Enable	YES
SIP port	5061
Proxy	sp.phoneserve.com
Outbound Proxy	sp.phoneserve.com
User ID	18-digit Phoneserve account 2
Preferred Codec	G723
Use Pref Codec only	YES

When you have entered the above values, go to the bottom of the page and click the “Submit All Changes” button. The SPA will update and reboot – your web browser should refresh in 5 seconds. If you wish, you may check each tab to confirm that the new values have been saved.

The SPA will now allow both attached phones to make calls simultaneously.

If you need to reset your SPA2000 to factory settings just enter **73738#**

3.2 Upgrading your SPA2000

Please click on <http://www.sipura.com/Documents/spa2k-2.0.10e.zip> to download version 2.0.10e of the software to make sure your SPA 2000 works at its best with Phoneserve.

IMPORTANT:

To find out the information about the mentioned IP addresses you can:

Click on START, select RUN and type **COMMAND**.

A DOS window with a black background will open.

Please type: **ipconfig /all** and press “enter”.

A list of data will display the IP address for the PC from where you are opening the DOS window (please take into account that this IP address is the one assigned to that PC, therefore you will need to assign a free IP address within the range of your network to your gateway).

Other necessary information you can find here:

- Default Gateway
- Subnet Mask
- DNS Server

4.0 Contact & Feedback

We hope that you have found the contents of this guide both useful and informative. However, if you feel any additional information could be added, or the guide could be improved in any way, please e-mail suggestions to info@phoneserve.com

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