

Tijdhof Consulting Technotes

*Quick Start handleiding bij de
Sipura SPA-941 IP Phone*

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Quick Start manual bij de SPA-941 2/4-lijns IP Phone

Hieronder vindt u de quickstart manual bij de Linksys Sipura SPA-941 2/4-lijns Business IP Phone. De manual wordt tevens bij de telefoon geleverd.

Deze technote wordt u aangeboden door

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Step 2. Using a Web Browser to Enable Service

Preconfiguration of network and service settings may have been performed by the service provider or network administrator who supplied the unit. Depending on the configuration policy, end user access to local configuration settings may be restricted or inaccessible. If end user configuration is allowed, some of the key network and service configuration setting instructions are described in the following sections pertaining to IP network and voice service configuration.

This section outlines the steps to make **Extension 1** of the SPA-941 phone operational on an existing SIP network whereby the phone is behind a NAT device and the use of an outbound proxy is present. The configuration of additional extensions can be accomplished in similar fashion.

For additional configuration information, please refer to the SPA-941 User Guide or Administration Guide (available only to service providers) in the Support Center section of the Linksys's web site.

1. Please ask the service provider or your network administrator for the following information:

- A. SIP Proxy IP Address (e.g. `fwid.net.pulver.com`)
- B. Outbound SIP Proxy IP Address (e.g. `fwidnet.pulver.com:5082`)
- C. User ID and Password Registration information (See www.freeworldidulip.com to sign up)
- D. DHCP Availability or Static IP Address (See Step 13 below for static IP address entry instructions)
- E. Net Mask (if necessary for static IP networks)
- F. Gateway IP Address (if necessary for static IP networks)

2. Install and power-up the phone per installation requirements on the **reverse side** of this document.

3. Obtain the SPA-941 phone IP address; On the phone dial pad, press the setup button (under envelope button). Using the 4-way navigation button, scroll down to **"Network"** and press the Left Soft Key labeled **"Select"**. The IP address of the phone will be displayed in the **"CurrentIP"** field. Write the IP address down for future reference.

4. Type the IP address in the **"Address"** field on the web browser of a PC on the same subnet as the SPA-941 phone. Hit Enter on the PC's keyboard. The web browser will display a tabbed web page containing the configuration menu of the SPA-941 phone. The **"Info"** tab web page will appear on top, by default.

5. Using PC's the mouse, click on **"Admin Login"** link and then the **"advanced"** link. Both links appear on the right side of the web page.

6. The web browser window will show a tabbed web page. Again, the **"Info"** tab is on top. The following tabs are also visible: **"System"**, **"SIP"**, **"Regional"**, **"Phone"**, **"Ext1"**, **"Ext2"** and **"User"**.

7. Click on the **"Ext1"** tab. Scroll down to the **"Proxy and Registration"** section. Enter the URL or IP address of the SIP Proxy in the **"Proxy"** field and hit Enter on the PC's keyboard.

8. Enter the URL or IP Address of the Outbound SIP Proxy in the **"Outbound Proxy"** field and hit Enter.

9. Scroll down to the **"Subscriber Information"** section. Enter the User ID into the **"User ID"** field and hit Enter.

10. Enter the Password in the **"Password"** field and hit Enter.

11. Scroll down and select **"Submit All Changes"** at the bottom of the screen. If the user is using DHCP, then the configuration should be complete and the L1 LED should be green. If not, go to Step 14 below.

12. Making a test call: To make a test call, please pick up the handset. The L1 LED will change color from green to red. You will hear a dial tone if the phone has successfully registered with the service. Dial a valid phone number. After the conversation, hang up the handset. The L1 LED will change to green.

13. If the SPA-941 is not using DHCP, after selecting the **"Admin Login"** link select the **"System"** tab.

A. Set DHCP to: No

B. Enter the IP address for the phone in the **"Static IP"** field. (e.g. `10.10.0.5`)

C. Enter the subnet mask information in the **"NetMask"** field. (e.g. `255.255.255.0`)

D. Enter the gateway IP address in the **"Gateway"** field. (e.g. `10.10.10.1`)

E. Select the **"Submit All Changes"** button at the bottom of the page.

F. Proceed to Step 12 above to make a test call.

14. If the SPA-941 is using NAT, the following configuration may be necessary

A. Select the **"Ext 1"** tab and scroll down to the **"NAT Settings"** section.

B. Set **"NAT Mapping Enable"** to: Yes.

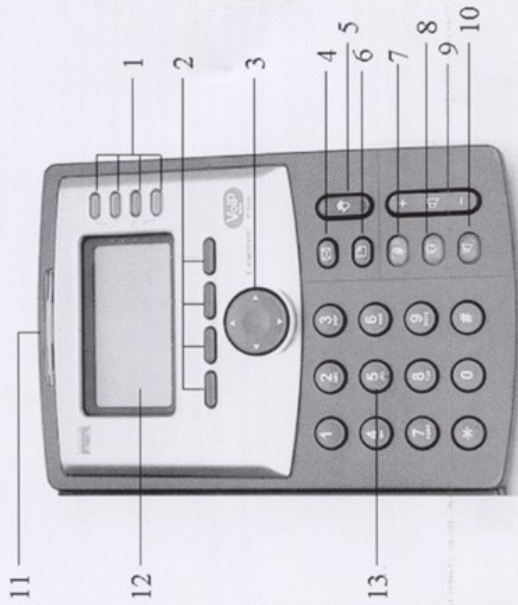
C. Set **"NAT Keep Alive Enable"** to: Yes

D. After entering these values, click on **"Submit All Changes"** button at the bottom of the web page.

E. Proceed to Step 12 above to make a test call.

Please Note: The user selections will not be accepted by the phone unless the user selects the **"Submit All Changes"** button at the bottom of the page. More detailed configuration information may be found at: www.linksys.com/support

SPA 941 Physical Features-Description / Function



#	Component	Description
1	Line Key Buttons (4) with Dual Status Light (LED)	A Line button provides the extenory / call appearance for incoming and outgoing calls. The SPA-941 comes standard with 4 active lines.
2	Soft Key (4) Buttons	A Soft button is used to access individual features or options visible on the display
3	Navigation Button	This button allows the user to scroll up, down, left and right menu items
4	Voice Mail Retrieval Button	This button allows the user to automatically call the voice mail system. This button is a speed dial to the user's mailbox
5	Hold Button	This button puts the active call on hold
6	Info Button	This button allows the user to access menu options. These menu options help the user to configure and view the parameters
7	Mute Button	This button allows the user to mute the active audio speakerphone. The dual transparent LED turns green when the speakerphone is active and will not hear local audio. A dual transparent Mute LED will turn red signaling when the audio is muted
8	Headset Button	This button allows to use the headset. The dual transparent LED turns green when the headset is active
9	Volume Button	This button allows the user to adjust the ringer.
10	Speakerphone Button	This button allows the user to turn on or off the speakerphone. The dual transparent LED turns green when the speakerphone is active.
11	Ringer Indicator	This indicator turns red when there is a coming call
12	Pixel Based Display	Call status, dialing and directory information as well as menu items are visible
13	Numbered Keypad Buttons	Standard keypad to allow the user to enter phone numbers or menu options

LINKSYS



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Step 1. Installation Requirements

1. Please Check to Make Sure that You Have the Following Package Contents:

- A. Linksys SPA-941 Phone Unit
- B. Phone Handset and Cord
- C. Phone Base and Bracket-For Upright Desk and Wall Mounting
- D. Ethernet Cable
- E. SPA-941 Quickstart Guide (This Document)
- F. 5 Volt Power Adaptor and Modular Clip

2. You Will Also Need:

- A. Access to an IP network via an Ethernet Connection
- B. Access to a PC with a web browser (IE or Netscape) on the same network as the SPA-941

3. Connect the Handset and Handset Cord:

- A. Insert one end of the handset cord into the RJ-7 socket on the bottom of the handset.
- B. Insert the other end of the handset cord into the RJ-7 socket on the left side of the phone.
- C. Place the handset into the cradle.

4. Connect the Base / Bracket for Upright Desktop or Wall Mount Installation (Optional):

- A. The SPA-941 can be positioned in an upright position by fixing the included mounting base to the back of the phone in such a way as to allow the phone to sit upright.
- B. If fixed to the back of the phone in the reverse position, this same mounting base may be used as a bracket to wall mount SPA-941. Hardware to wall mount the SPA-941 is not provided.

5. Connect the SPA-941 to IP Network (From the Rear of the SPA-941):

- A. Insert a standard RJ-45 Ethernet Cable into the SPA-941 LAN port.
- B. Connect the other end of the cable to an Ethernet switch / port.

6. Power on the SPA-941:

- A. After sliding the wall clip into place on the body of the power adaptor body, you may insert the plug end of the power adaptor into a live power outlet which will power up the SPA-941.
- B. Follow the instructions on the reverse side of this Quickstart Guide to set-up the SPA-941.

Compliance and Safety Information

This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in part 15 of the FCC rules. This product bears the CE Marking indicating compliance with the 89/336/EEC directive.

Standards to which conformity is Declared: EN61000-4-2:1995, EN61000-4-3:1997, EN61000-4-4:1995, EN61000-4-5:1995, EN61000-4-6:1996, EN61000-4-8:1994, EN61000-4-11:1994, EN61000-3-2:2001, EN61000-3-2:1998, EN55022:1998 Class B
 Modifications to this product not authorized by Linksys could void FCC approval, terminating end user authority to use this product.

For indoor use only.

Read installation instructions before connecting to a power source. The electric plug and socket must be accessible at all times as this is the main method to disconnect power from the device.

Shock hazard:

- Do not operate near water or similar fluid.
- Do not work with this device during period of lightning activity.
- Do not touch the phone wires at the end of the cables or within sockets.

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Installation and Configuration Guide
 With Regulatory Compliance and Safety Information



Quickstart Guide

Model: SPA-941

Linksys Business Phone

Warranty Information

One Year Limited Hardware Warranty

Linksys provides a one (1) year limited hardware warranty. Linksys warrants to customer that this product will conform to its published specifications and will be free from defects in material and workmanship at the time of delivery and for a period of one year thereafter. Without limiting the foregoing, this warranty does not cover any defect resulting from (i) any design or specification supplied by an entity other than Linksys, (ii) non-observance of technical operating parameters (e.g., exceeding limiting values), or (iii) misuse, abuse, abnormal conditions or alteration by anyone other than Linksys.

Replacement, Repair, Refund:

After the receipt of an RMA (Return Materials Authorization) request, Linksys will attempt to refund, repair or replace the SPA. To receive an RMA number contact the party from whom you purchased the SPA.