

CONFIGURATION CISCO SPA9XX

N°1012

CISCO SPA9XX

Rédaction / Conception :	Tests / Contrôle :	Validation :
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Connexion au téléphone

Branchements

SPA9X1 :

Branchez un câble réseau de la prise WAN au dos du téléphone au Routeur / Switch
Branchez le câble d'alimentation

SPA9X2 :

Branchez un câble réseau de la prise WAN au dos du téléphone au Routeur / Switch
Le téléphone intègre un Switch sur lequel il est possible de brancher un PC (prise PC)
Branchez le câble d'alimentation si vos équipements ne sont pas PoE (Power Over Ethernet)

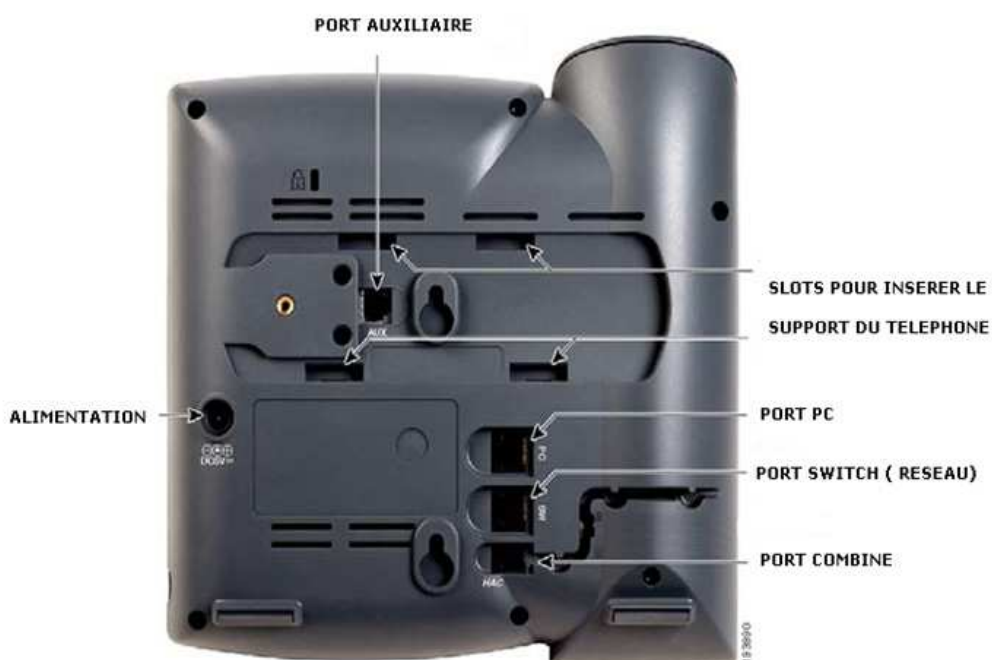



Figure 1 – Vue arrière du téléphone

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Configuration du téléphone

Connexion à l'interface WEB

Une fois le téléphone démarré, appuyez sur la touche  puis sur la touche  du téléphone pour obtenir son adresse IP.

Entrez son adresse IP dans un navigateur WEB.

Vous devriez obtenir une page similaire à :



LINKSYS®
A Division of Cisco Systems, Inc.

Linksys Telephone Configuration

Info System Phone User [Admin Login](#) [basic](#) [advanced](#)
[Personal Directory](#) [Call History](#)

System Information

DHCP:	DHCP	Current IP:	192.168.1.190
Host Name:	SipuraSPA	Domain:	
Current Netmask:	255.255.255.0	Current Gateway:	192.168.1.254
Primary DNS:	83.167.37.51		
Secondary DNS:	194.98.81.133		

Product Information

Product Name:	SPA-942	Serial Number:	4LO00HB04902
Software Version:	6.1.5(a)	Hardware Version:	1.0.3(5659)
MAC Address:	000E08D4675A	Client Certificate:	Installed
Customization:	Open	Licenses:	None

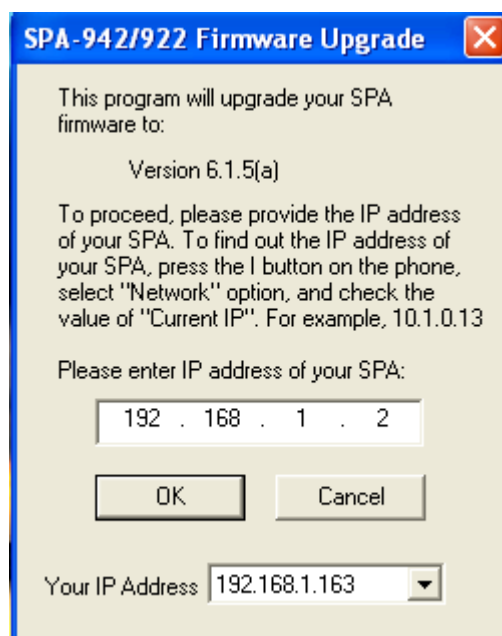
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Mise à jour du firmware

Vérifiez que le téléphone est en version 6.1.5(a) pour les SPA9x2 ou 5.1.8 pour les SPA9x1.
Si ce n'est pas le cas, veuillez télécharger le dernier firmware dans votre espace Extranet OpenIP.
Une fois le fichier téléchargé, cliquez sur upg-spaxxxx.exe

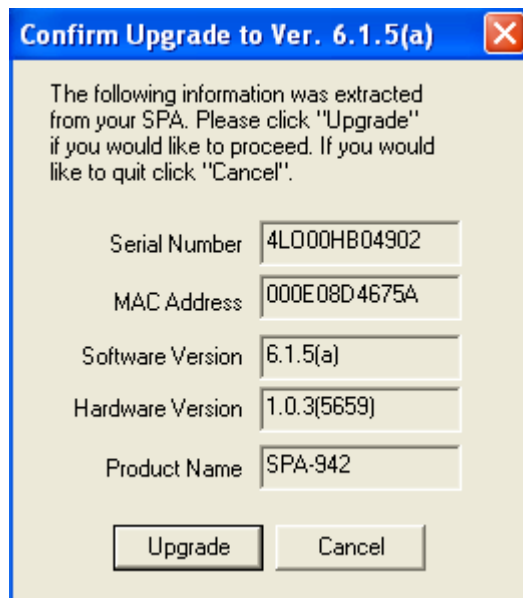


Cliquez sur « Continue »



Entrez l'adresse IP du téléphone puis cliquez sur « OK »

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Cliquez sur « Upgrade » pour lancer la mise à jour
Le téléphone va clignoter puis redémarrer.

Une fois la mise à jour terminée, reconnectez-vous sur l'interface WEB du téléphone.

Cliquez sur **Admin login** puis sur **advanced** pour pouvoir configurer le téléphone.


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Onglet System

Renseignez les champs comme indiqué ci-dessous :

Info	System	SIP	Provisioning	Regional	Phone	Ext 1	Ext 2	Ext 3	Ext 4	User	User Login	basic	advanced
											Personal Directory	Call History	

System Configuration			
Restricted Access Domains:	<input type="text"/>		
Enable Web Server:	yes <input type="button" value="v"/>	Web Server Port:	80 <input type="text"/>
Enable Web Admin Access:	yes <input type="button" value="v"/>	Admin Passwd:	<input type="text"/>
User Password:	<input type="text"/>		
Internet Connection Type			
Connection Type:	DHCP <input type="button" value="v"/>		
Static IP Settings			
Static IP:	<input type="text"/>	NetMask:	<input type="text"/>
Gateway:	<input type="text"/>		
PPPoE Settings			
PPPoE Login Name:	<input type="text"/>	PPPoE Login Password:	<input type="text"/>
PPPoE Service Name:	<input type="text"/>		
Optional Network Configuration			
HostName:	<input type="text"/>	Domain:	<input type="text"/>
Primary DNS:	<input type="text"/>		
DNS Server Order:	Manual,DHCP <input type="button" value="v"/>	DNS Query Mode:	Parallel <input type="button" value="v"/>
Syslog Server:	<input type="text"/>		
Debug Level:	0 <input type="button" value="v"/>	Primary NTP Server:	time.voip-centrex.net <input type="text"/>
Secondary NTP Server:	<input type="text"/>		
VLAN Settings			
Enable VLAN:	no <input type="button" value="v"/>	Enable CDP:	yes <input type="button" value="v"/>
VLAN ID:	1 <input type="text"/>	PC Port VLAN Highest Priority:	No Limit <input type="button" value="v"/>
Enable PC Port VLAN Tagging:	no <input type="button" value="v"/>	PC Port VLAN ID:	1 <input type="text"/>

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Onglet SIP

Renseignez les champs comme indiqué ci-dessous :


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Linksys Telephone Configuration

Info
System
SIP
Provisioning
Regional
Phone
Ext 1
Ext 2
Ext 3
Ext 4
User

[User Login](#) | [basic](#) | [advanced](#)
[Personal Directory](#) | [Call History](#)

SIP Parameters

Max Forward:	<input type="text" value="70"/>	Max Redirection:	<input type="text" value="5"/>
Max Auth:	<input type="text" value="2"/>	SIP User Agent Name:	<input type="text" value="\$VERSION"/>
SIP Server Name:	<input type="text" value="\$VERSION"/>	SIP Reg User Agent Name:	<input type="text"/>
SIP Accept Language:	<input type="text"/>	DTMF Relay MIME Type:	<input type="text" value="application/dtmf-relay"/>
Remove Last Reg:	<input type="checkbox" value="no"/>	Use Compact Header:	<input type="checkbox" value="no"/>
Escape Display Name:	<input type="checkbox" value="no"/>	SIP-B Enable:	<input type="checkbox" value="no"/>
Talk Package:	<input type="checkbox" value="no"/>	Hold Package:	<input type="checkbox" value="no"/>
Conference Package:	<input type="checkbox" value="no"/>	Notify Conference:	<input type="checkbox" value="no"/>
RFC 2543 Call Hold:	<input type="checkbox" value="yes"/>	Random REG CID On Reboot:	<input type="checkbox" value="no"/>
Mark All AVT Packets:	<input type="checkbox" value="yes"/>	SIP TCP Port Min:	<input type="text" value="5060"/>
SIP TCP Port Max:	<input type="text" value="5080"/>	CTI Enable:	<input type="checkbox" value="no"/>
Caller ID Header:	<input type="text" value="PAID-RPID-FROM"/>	S RTP Method:	<input type="text" value="x-sipura"/>
Hold Target Before REFER:	<input type="checkbox" value="no"/>		

SIP Timer Values (sec)

SIP T1:	<input type="text" value=".5"/>	SIP T2:	<input type="text" value="4"/>
SIP T4:	<input type="text" value="5"/>	SIP Timer B:	<input type="text" value="16"/>
SIP Timer F:	<input type="text" value="16"/>	SIP Timer H:	<input type="text" value="16"/>
SIP Timer D:	<input type="text" value="16"/>	SIP Timer J:	<input type="text" value="16"/>
INVITE Expires:	<input type="text" value="240"/>	ReINVITE Expires:	<input type="text" value="30"/>
Reg Min Expires:	<input type="text" value="1"/>	Reg Max Expires:	<input type="text" value="55"/>
Reg Retry Intvl:	<input type="text" value="30"/>	Reg Retry Long Intvl:	<input type="text" value="55"/>
Reg Retry Random Delay:	<input type="text"/>	Reg Retry Long Random Delay:	<input type="text"/>
Reg Retry Intvl Cap:	<input type="text"/>	Sub Min Expires:	<input type="text" value="10"/>
Sub Max Expires:	<input type="text" value="55"/>	Sub Retry Intvl:	<input type="text" value="10"/>

Response Status Code Handling

SIT1 RSC:	<input type="text"/>	SIT2 RSC:	<input type="text"/>
SIT3 RSC:	<input type="text"/>	SIT4 RSC:	<input type="text"/>
Try Backup RSC:	<input type="text"/>	Retry Reg RSC:	<input type="text"/>


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Onglet Provisionning

Renseignez les champs comme indiqué ci-dessous :

Info	System	SIP	Provisioning	Regional	Phone	Ext 1	Ext 2	Ext 3	Ext 4	User	User Login	basic	advanced
											Personal Directory	Call History	

Configuration Profile	
Provision Enable:	yes ▾
Resync Random Delay:	2
Resync Error Retry Delay:	55
Resync From SIP:	yes ▾
Resync Trigger 1:	
Resync Trigger 2:	
Resync Fails On FNF:	yes ▾
Profile Rule:	/spa\$PSN.cfg
Profile Rule B:	
Profile Rule C:	
Profile Rule D:	
Log Resync Request Msg:	\$PN \$MAC -- Requesting resync \$SCHEME://\$SERVIP:\$PORT\$PATH
Log Resync Success Msg:	\$PN \$MAC -- Successful resync \$SCHEME://\$SERVIP:\$PORT\$PATH
Log Resync Failure Msg:	\$PN \$MAC -- Resync failed: \$ERR
Report Rule:	
User Configurable Resync:	yes ▾

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Onglet Regional

Info	System	SIP	Provisioning	Regional	Phone	Ext 1	Ext 2	Ext 3	Ext 4	User	User Login	basio	advanced
											Personal Directory	Call History	

Call Progress Tones

Dial Tone:	350@-19,440@-19;10(*0/1+2)
Outside Dial Tone:	420@-16;10(*0/1)
Prompt Tone:	520@-19,620@-19;10(*0/1+2)
Busy Tone:	480@-19,620@-19;10(.5/.5/1+2)
Reorder Tone:	480@-19,620@-19;10(.25/.25/1+2)
Off Hook Warning Tone:	480@-10,620@0;10(.125/.125/1+2)
Ring Back Tone:	440@-19,480@-19;*(2/4/1+2)
Call Waiting Tone:	440@-10;30(.3/9.7/1)
Confirm Tone:	600@-16;1(.25/.25/1)
SIT1 Tone:	985@-16,1428@-16,1777@-16;20(.380/0/1,.380/0/2,.380/0/3,0/4/0)
SIT2 Tone:	914@-16,1371@-16,1777@-16;20(.274/0/1,.274/0/2,.380/0/3,0/4/0)
SIT3 Tone:	914@-16,1371@-16,1777@-16;20(.380/0/1,.380/0/2,.380/0/3,0/4/0)
SIT4 Tone:	985@-16,1371@-16,1777@-16;20(.380/0/1,.274/0/2,.380/0/3,0/4/0)
MWI Dial Tone:	350@-19,440@-19;2(.1/.1/1+2);10(*0/1+2)
Cfwd Dial Tone:	350@-19,440@-19;2(.2/.2/1+2);10(*0/1+2)
Holding Tone:	600@-19;25(.1/.1/1,.1/.1/1,.1/9.5/1)
Conference Tone:	350@-19;20(.1/.1/1,.1/9.7/1)
Secure Call Indication Tone:	397@-19,507@-19;15(0/2/0,.2/.1/1,.1/2.1/2)
Page Tone:	600@-16;3(.05/0.05/1)
Alert Tone:	600@-19;2(.05/0.05/1)

Distinctive Ring Patterns

Cadence 1:	60(2/4)	Cadence 2:	60(.3/.2,1/2,.3/4)
Cadence 3:	60(.8/.4,.8/4)	Cadence 4:	60(.4/.2,.3/.2,.8/4)
Cadence 5:	60(.2/.2,.2/.2,.2/.2,1/4)	Cadence 6:	60(.2/.4,.2/.4,.2/4)
Cadence 7:	60(4.5/4)	Cadence 8:	60(0.25/9.75)
Cadence 9:	60(.4/.2,.4/2)		

Control Timer Values (sec)

Reorder Delay:	5	Call Back Expires:	1800
Call Back Retry Intvl:	30	Call Back Delay:	.5
Interdigit Long Timer:	10	Interdigit Short Timer:	3

Vertical Service Activation Codes

Call Return Code:	*69	Blind Transfer Code:	*98
Call Back Act Code:	*66	Call Back Deact Code:	*86
Cfwd All Act Code:	*72	Cfwd All Deact Code:	*73
Cfwd Busy Act Code:	*90	Cfwd Busy Deact Code:	*91
Cfwd No Ans Act Code:	*92	Cfwd No Ans Deact Code:	*93
CW Act Code:	*56	CW Deact Code:	*57
CW Per Call Act Code:	*71	CW Per Call Deact Code:	*70
Block CID Act Code:	*67	Block CID Deact Code:	*68
Block CID Per Call Act Code:	*81	Block CID Per Call Deact Code:	*82
Block ANC Act Code:	*77	Block ANC Deact Code:	*87
DND Act Code:	*78	DND Deact Code:	*79
Secure All Call Act Code:	*16	Secure No Call Act Code:	*17
Secure One Call Act Code:	*18	Secure One Call Deact Code:	*19
Paging Code:	*96	Call Park Code:	*38
Call Pickup Code:	*36	Call UnPark Code:	*39
Group Call Pickup Code:	*37	Media Loopback Code:	*03
Referral Services Codes:			
Feature Dial Services Codes:			

Vertical Service Announcement Codes

Service Annc Base Number:

Service Annc Extension Codes:

Outbound Call Codec Selection Codes

Prefer G711u Code:	*017110	Force G711u Code:	*027110
Prefer G711a Code:	*017111	Force G711a Code:	*027111
Prefer G723 Code:	*01723	Force G723 Code:	*02723
Prefer G726r16 Code:	*0172616	Force G726r16 Code:	*0272616
Prefer G726r24 Code:	*0172624	Force G726r24 Code:	*0272624
Prefer G726r32 Code:	*0172632	Force G726r32 Code:	*0272632
Prefer G726r40 Code:	*0172640	Force G726r40 Code:	*0272640
Prefer G729a Code:	*01729	Force G729a Code:	*02729

Miscellaneous

Set Local Date (mm/dd):

Set Local Time (HH/mm):

Time Zone:

Time Offset (HH/mm):

Daylight Saving Time Rule:

Daylight Saving Time Enable:

DTMF Playback Level:

DTMF Playback Length:

Inband DTMF Boost:

Dictionary Server Script:

Language Selection:

Default Character Encoding:

Daylight Saving Time Rule : start=4/1/7;end=10/-1/7;save=1

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Dictionary Server Script:

serv=ftp://\$PROXY/linksys/langue/;d0=English;x0=english4.xml;d1=French;x1=french5.xml


Les champs « Dictionary Server Script » et « Language Selection » n'existent pas sur les SPA9X1

Pour désactiver le bip lors d'un double appel, il faut modifier la ligne :

Call Waiting Tone par [440@-1000;30\(.3/9.7/1\)](#)

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Onglet Phone



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Linksys Telephone Configuration

Info System SIP Provisioning Regional **Phone** Ext 1 Ext 2 Ext 3 Ext 4 User [User Login](#) [basic](#) | [advanced](#)
[Personal Directory](#) [Call History](#)

General

Station Name: Voice Mail Number:

Text Logo:

BMP Picture Download URL:

Select Logo: Select Background Picture:

Screen Saver Enable: Screen Saver Wait:

Screen Saver Icon:

Line Key 1

Extension: Short Name:

Share Call Appearance:

Extended Function:

Line Key 2

Extension: Short Name:

Share Call Appearance:

Extended Function:

Line Key 3

Extension: Short Name:

Share Call Appearance:

Extended Function:

Line Key 4

Extension: Short Name:

Share Call Appearance:

Extended Function:

Pour monitorer des postes :



Line Key 4

Extension: Short Name:

Share Call Appearance:

Extended Function:

Line Key Extended Function

Subscribe Expires: Subscribe Retry Interval:

Subscribe Delay: Server Type:

SPA932 Call Pickup Code:

EXTENSION_POSTE à remplacer par le numéro en interne du poste à monitorer (ex : 100, 101 ...)

Pour créer un SpeedDial :


Même configuration que pour le monitoring sauf la ligne Extended Function :
fnc=sd;sub=numéro@\$PROXY

Onglet Ext1

Info	System	SIP	Provisioning	Regional	Phone	Ext 1	Ext 2	Ext 3	Ext 4	User	User Login basic advanced Personal Directory Call History
------	--------	-----	--------------	----------	-------	-------	-------	-------	-------	------	--

General	
Line Enable:	yes
Share Line Appearance	
Share Ext:	private
Subscription Expires:	55
NAT Settings	
NAT Mapping Enable:	no
NAT Keep Alive Msg:	\$NOTIFY
NAT Keep Alive Enable:	no
NAT Keep Alive Dest:	\$PROXY
Network Settings	
SIP TOS/DiffServ Value:	0x68
RTP TOS/DiffServ Value:	0xb8
Network Jitter Level:	high
SIP CoS Value:	3
RTP CoS Value:	6
Jitter Buffer Adjustment:	up and down
SIP Settings	
SIP Transport:	UDP
SIP 100REL Enable:	no
Auth Resync-Reboot:	yes
SIP Remote-Party-ID:	no
Refer-To Target Contact:	no
SIP Debug Option:	none
Sticky 183:	no
NTfy Refer On 1xx-To-Inv:	yes
Set G729 annexb:	none
SIP Port:	5060
EXT SIP Port:	
SIP Proxy-Require:	
Referor Bye Delay:	4
Referee Bye Delay:	0
Refer Target Bye Delay:	0
Auth INVITE:	no
Use Anonymous With RPID:	yes
Call Feature Settings	
Blind Attn-Xfer Enable:	no
Message Waiting:	yes
Default Ring:	1
Conference Bridge URL:	
Mailbox ID:	
State Agent:	
CFWD Notifier:	
MOH Server:	
Auth Page:	no
Auth Page Realm:	
Auth Page Password:	
Voice Mail Server:	
CFWD Notify Serv:	no
Proxy and Registration	
Proxy:	IP_SERVEUR
Outbound Proxy:	
Register:	yes
Register Expires:	55
Use DNS SRV:	no
Proxy Fallback Intvl:	55
Use Outbound Proxy:	no
Use OB Proxy In Dialog:	yes
Make Call Without Reg:	no
Ans Call Without Reg:	no
DNS SRV Auto Prefix:	no
Proxy Redundancy Method:	Normal
Subscriber Information	
Display Name:	LOGIN
Password:	PASSWORD
Auth ID:	
Mini Certificate:	
SRTP Private Key:	
User ID:	LOGIN
Use Auth ID:	no

- LOGIN est à remplacer par le login fourni dans le bon de livraison (ex : 100.entreprise)
- PASSWORD est à remplacer par le mot de passe fourni dans le bon de livraison
- IP_SERVEUR est à remplacer par l'IP ou le nom DNS fourni dans le bon de livraison (ex : 194.98.81.154, ipbx5.voip-centrex.net)

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Onglet User

LINKSYS®
Linksys Telephone Configuration

A Division of Cisco Systems, Inc.

Info	System	SIP	Provisioning	Regional	Phone	Ext 1	Ext 2	Ext 3	Ext 4	User	User Login basic advanced Personal Directory Call History
------	--------	-----	--------------	----------	-------	-------	-------	-------	-------	-------------	--

Call Forward

Cfwd All Dest:	<input type="text"/>	Cfwd Busy Dest:	<input type="text"/>
Cfwd No Ans Dest:	<input type="text"/>	Cfwd No Ans Delay:	20

Speed Dial

Speed Dial 2:	<input type="text"/>	Speed Dial 3:	<input type="text"/>
Speed Dial 4:	<input type="text"/>	Speed Dial 5:	<input type="text"/>
Speed Dial 6:	<input type="text"/>	Speed Dial 7:	<input type="text"/>
Speed Dial 8:	<input type="text"/>	Speed Dial 9:	<input type="text"/>

Supplementary Services

CW Setting:	yes	Block CID Setting:	no
Block ANC Setting:	no	DND Setting:	no
Secure Call Setting:	no	Dial Assistance:	yes
Auto Answer Page:	yes	Preferred Audio Device:	Speaker
Send Audio To Speaker:	no	Time Format:	24hr
Date Format:	day/month	Miss Call Shortcut:	yes
Accept Media Loopback Request:	automatic	Media Loopback Mode:	source
Media Loopback Type:	media	Text Message:	yes
Text Message From 3rd Party:	no	Alert Tone Off:	no
Log Missed Calls for EXT 1:	yes	Log Missed Calls for EXT 2:	yes
Log Missed Calls for EXT 3:	yes	Log Missed Calls for EXT 4:	yes

Audio Volume

Ringer Volume:	0	Speaker Volume:	6
Handset Volume:	11	Headset Volume:	13
LCD Contrast:	8	Back Light Timer:	10 s

Submit All Changes

Une fois le poste configuré, cliquez sur :

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Une fois la page rechargée, vérifiez que le poste est bien enregistré :

Info	System	SIP	Provisioning	Regional	Phone	Ext 1	Ext 2	Ext 3	Ext 4	User	User Login	basic	advanced
												Personal Directory	Call History
System Information													
DHCP:		DHCP		Current IP:		192.168.1.190							
Host Name:		SipuraSPA		Domain:									
Current Netmask:		255.255.255.0		Current Gateway:		192.168.1.254							
Primary DNS:		83.167.37.51											
Secondary DNS:		194.98.81.133											
Product Information													
Product Name:		SPA-942		Serial Number:		4L000HB04902							
Software Version:		6.1.5(a)		Hardware Version:		1.0.3(5659)							
MAC Address:		000E08D4675A		Client Certificate:		Installed							
Customization:		Open		Licenses:		None							
Phone Status													
Current Time:		1/20/2010 14:50:11		Elapsed Time:		02:15:55							
Broadcast Pkts Sent:		0		Broadcast Bytes Sent:		0							
Broadcast Pkts Recv:		306621		Broadcast Bytes Recv:		29878704							
Broadcast Pkts Dropped:		0		Broadcast Bytes Dropped:		0							
RTP Packets Sent:		3570		RTP Bytes Sent:		571200							
RTP Packets Recv:		3561		RTP Bytes Recv:		569760							
SIP Messages Sent:		621		SIP Bytes Sent:		364241							
SIP Messages Recv:		613		SIP Bytes Recv:		338836							
External IP:				Operational VLAN ID:		n/a							
Ext 1 Status													
Registration State:		Registered		Last Registration At:		1/20/2010 14:50:03							
Next Registration In:		35 s		Message Waiting:		Yes							
Mapped SIP Port:													

La ligne « Registration State » doit indiquer Registered.