



LUNAphone SIPURA SPA2100 Configuration



2. In the equipment configuration page (the example shows the most difficult configuration with DHCP and NAT servers enabled):

A1. “Router” menu, “WAN Setup” subfolder:

The screenshot displays the SIPURA Phone Adapter Configuration interface. The top navigation bar includes 'Router' and 'Voice' tabs, with 'Router' selected. Under 'Router', there are sub-tabs for 'Status', 'Wan Setup', 'Lan Setup', and 'Application', with 'Wan Setup' being the active tab. The page title is 'Sipura Phone Adapter Configuration'. The main content area is divided into several sections: 'Internet Connection Settings' with a 'Connection Type' dropdown set to 'DHCP'; 'Static IP Settings' with fields for 'Static IP' (195.210.173.11), 'NetMask' (255.255.255.0), and 'Gateway' (195.210.173.1); 'PPPOE Settings' with fields for 'PPPOE Login Name', 'PPPOE Login Password', and 'PPPOE Service Name'; and 'Optional Settings' with fields for 'HostName', 'Domain', 'Primary DNS', 'Secondary DNS', 'DNS Server Order' (Manual), 'DNS Query Mode' (Parallel), 'Primary NTP Server', and 'Secondary NTP Server'. The interface uses a light blue and grey color scheme.

A2. “Router” menu, “LAN Setup” subfolder:

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Sipura Phone Adapter Configuration

Router | Voice

Status | Wan Setup | **Lan Setup** | Application [User Login](#) | [basic](#) | [advanced](#)

LAN Network Settings

LAN IP Address: 192.168.0.1 LAN IP Netmask: 255.255.255.0

Enable DHCP Server: DHCP Lease Time: 24 Hours

DHCP Client Starting IP Address: 192.168.0.2 Number of Client IP Addresses: 50

Static DHCP Lease Settings

Enable	Host Mac Address	Host IP Address
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0
<input type="checkbox"/>	000000000000	192.168.0.0

B1. “Voice” menu, “SIP” subfolder:

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Sipura Phone Adapter Configuration

Router | **Voice**

Info | System | **SIP** | Provisioning | Regional | Line 1 | Line 2 | User 1 | User 2 [User Login](#) | [basic](#) | [advanced](#)

SIP Parameters

Max Forward: 70 Max Redirection: 5

Max Auth: 2 SIP User Agent Name: \$VERSION

SIP Server Name: \$VERSION SIP Accept Language:

DTMF Relay MIME Type: application/dtmf-relay Hook Flash MIME Type: application/hook-flash

Remove Last Reg: Use Compact Header:

SIP Timer Values (sec)

SIP T1: .5 SIP T2: 4

SIP T4: 5 SIP Timer B: 32

SIP Timer F: 32 SIP Timer H: 32

SIP Timer D: 32 SIP Timer J: 32

INVITE Expires: 240 ReINVITE Expires: 30

Reg Min Expires: 1 Reg Max Expires: 7200


Reg Retry Intvl: 30 Reg Retry Long Intvl: 1200

Response Status Code Handling

SIT1 RSC: SIT2 RSC:

SIT3 RSC:		SIT4 RSC:	
Try Backup RSC:		Retry Reg RSC:	
RTP Parameters			
RTP Port Min:	16384	RTP Port Max:	16482
RTP Packet Size:	0.030	Max RTP ICMP Err:	0
RTCP Tx Interval:	0		
SDP Payload Types			
NSE Dynamic Payload:	100	AVT Dynamic Payload:	101
INFOREQ Dynamic Payload:		G726r16 Dynamic Payload:	98
G726r24 Dynamic Payload:	97	G726r40 Dynamic Payload:	96
G729b Dynamic Payload:	99	NSE Codec Name:	NSE
AVT Codec Name:	telephone-event	G711u Codec Name:	PCMU
G711a Codec Name:	PCMA	G726r16 Codec Name:	G726-16
G726r24 Codec Name:	G726-24	G726r32 Codec Name:	G726-32
G726r40 Codec Name:	G726-40	G729a Codec Name:	G729a
G729b Codec Name:	G729ab	G723 Codec Name:	G723
NAT Support Parameters			
Handle VIA received:	no	Handle VIA rport:	no
Insert VIA received:	no	Insert VIA rport:	no
Substitute VIA Addr:	no	Send Resp To Src Port:	no
STUN Enable:	yes	STUN Test Enable:	yes
STUN Server:	216.206.188.198:3478	EXT IP:	195.210.173.2
EXT RTP Port Min:		NAT Keep Alive Intvl:	15
<input type="button" value="Undo All Changes"/>		<input type="button" value="Submit All Changes"/>	
User Login basic advanced			

B2. "Voice" menu, "Line1" subfolder:


Sipura Phone Adapter Configuration

Router	Voice		
Info	System	SIP	Provisioning
Regional	Line 1	Line 2	User 1
User 2	User Login basic advanced		
Line Enable:	yes		
Streaming Audio Server (SAS)			
SAS Enable:	no	SAS DLG Refresh Intvl:	30
SAS Inbound RTP Sink:			
NAT Settings			
NAT Mapping Enable:	yes	NAT Keep Alive Enable:	no
NAT Keep Alive Msg:	\$NOTIFY	NAT Keep Alive Dest:	\$PROXY
Network Settings			
SIP ToS/DiffServ Value:	0x68	SIP CoS Value:	3 [0-7]
RTP ToS/DiffServ Value:	0xb8	RTP CoS Value:	6 [0-7]
Network Jitter Level:	high		
SIP Settings			
SIP Port:	5070	SIP 100REL Enable:	no
EXT SIP Port:		Auth Resync-Reboot:	yes
SIP Proxy-Require:		SIP Remote-Party-ID:	no
SIP Debug Option:	1-line	RTP Log Intvl:	0
Restrict Source IP:	no		

Call Feature Settings			
Blind Attn-Xfer Enable:	<input type="text" value="no"/>	MOH Server:	<input type="text"/>
Xfer When Hangup Conf:	<input type="text" value="yes"/>	Conference Bridge URL:	<input type="text"/>
Conference Bridge Ports:	<input type="text" value="3"/>		
Proxy and Registration			
Proxy:	<input type="text" value="216.206.188.214:5070"/>	Use Outbound Proxy:	<input type="text" value="yes"/>
Outbound Proxy:	<input type="text" value="216.206.188.214:5070"/>	Use OB Proxy In Dialog:	<input type="text" value="no"/>
Register:	<input type="text" value="no"/>	Make Call Without Reg:	<input type="text" value="yes"/>
Register Expires:	<input type="text" value="3600"/>	Ans Call Without Reg:	<input type="text" value="yes"/>
Use DNS SRV:	<input type="text" value="no"/>	DNS SRV Auto Prefix:	<input type="text" value="no"/>
Proxy Fallback Intvl:	<input type="text" value="3600"/>		
Subscriber Information			
Display Name:	<input type="text" value="LUNAphone PIN"/>	User ID:	<input type="text" value="LUNAphone PIN"/>
Password:	<input type="text" value="LUNAphone PASSWORD"/>	User Auth ID:	<input type="text" value="yes"/>
Auth ID:	<input type="text" value="LUNAphone PIN"/>		
Mini Certificate:	<input type="text"/>		
SRTP Private Key:	<input type="text"/>		
Supplementary Service Subscription			
Call Waiting Serv:	<input type="text" value="yes"/>	Block CID Serv:	<input type="text" value="yes"/>
Block ANC Serv:	<input type="text" value="yes"/>	Dist Ring Serv:	<input type="text" value="yes"/>
Cfwd All Serv:	<input type="text" value="yes"/>	Cfwd Busy Serv:	<input type="text" value="yes"/>
Cfwd No Ans Serv:	<input type="text" value="yes"/>	Cfwd Sel Serv:	<input type="text" value="yes"/>
Cfwd Last Serv:	<input type="text" value="yes"/>	Block Last Serv:	<input type="text" value="yes"/>
Accept Last Serv:	<input type="text" value="yes"/>	DND Serv:	<input type="text" value="yes"/>
CID Serv:	<input type="text" value="yes"/>	CWCID Serv:	<input type="text" value="yes"/>
Call Return Serv:	<input type="text" value="yes"/>	Call Back Serv:	<input type="text" value="yes"/>
Three Way Call Serv:	<input type="text" value="yes"/>	Three Way Conf Serv:	<input type="text" value="yes"/>
Attn Transfer Serv:	<input type="text" value="yes"/>	Unattn Transfer Serv:	<input type="text" value="yes"/>
MWI Serv:	<input type="text" value="yes"/>	VMWI Serv:	<input type="text" value="yes"/>
Speed Dial Serv:	<input type="text" value="yes"/>	Secure Call Serv:	<input type="text" value="yes"/>
Referral Serv:	<input type="text" value="yes"/>	Feature Dial Serv:	<input type="text" value="yes"/>
Audio Configuration			
Preferred Codec:	<input type="text" value="G729a"/>	Silence Supp Enable:	<input type="text" value="no"/>
Use Pref Codec Only:	<input type="text" value="no"/>	Silence Threshold:	<input type="text" value="medium"/>
G729a Enable:	<input type="text" value="yes"/>	Echo Canc Enable:	<input type="text" value="yes"/>
G723 Enable:	<input type="text" value="yes"/>	Echo Canc Adapt Enable:	<input type="text" value="yes"/>
G726-16 Enable:	<input type="text" value="no"/>	Echo Supp Enable:	<input type="text" value="yes"/>
G726-24 Enable:	<input type="text" value="no"/>	FAX CED Detect Enable:	<input type="text" value="yes"/>
G726-32 Enable:	<input type="text" value="no"/>	FAX CNG Detect Enable:	<input type="text" value="yes"/>
G726-40 Enable:	<input type="text" value="no"/>	FAX Passthru Codec:	<input type="text" value="G711u"/>
DTMF Process INFO:	<input type="text" value="yes"/>	FAX Codec Symmetric:	<input type="text" value="yes"/>
DTMF Process AVT:	<input type="text" value="yes"/>	FAX Passthru Method:	<input type="text" value="NSE"/>
DTMF Tx Method:	<input type="text" value="Auto"/>	FAX Process NSE:	<input type="text" value="yes"/>
Hook Flash Tx Method:	<input type="text" value="None"/>	Release Unused Codec:	<input type="text" value="yes"/>
Dial Plan			
Dial Plan:	<input type="text" value="(*xx [3469]11 0 00 [2-9]xxxxxx 1xxx[2-9]xxxxxxS0 xxxxxxxxxxxxx.)"/>		
Enable IP Dialing:	<input type="text" value="no"/>		
FXS Port Polarity Configuration			
Idle Polarity:	<input type="text" value="Forward"/>	Caller Conn Polarity:	<input type="text" value="Forward"/>
Callee Conn Polarity:	<input type="text" value="Forward"/>		
<input type="button" value="Undo All Changes"/>		<input type="button" value="Submit All Changes"/>	
User Login basic advanced			

NOTE: This interface is visible in case of *ip-address/admin/advanced* access.

In case of static public IP:4

In A1:

- Connection type *Static ip*
- Static IP *ata ip*
- Gateway *gateway ip*

In B1:

- STUN server *216.206.188.198:3478*
- STUN server Enable *Yes*
- STUN test Enable *Yes*

In B2:

- Line enable *Yes*
- Proxy *service_ip:5070*
- Outbound Proxy *service_ip:5070*
- Register *No*
- Use Outbound Proxy *Yes*
- Make Calls Without Reg *Yes*
- Ans Calls Without Reg *Yes*
- Password **LUNAphone PASSWORD**
- Auth ID **LUNAphone PIN**
- User ID **LUNAphone PIN**
- Use Auth ID *Yes*
- Preferred Codec *G729a*
- Use Pref Codec Only *No*
- G729 Enable *Yes*
- G723 Enable *Yes*
- All other setting *default*

In case of public IP using DHCP:

In A1:

- Connection type *DHCP*

In A2:

- Enable DHCP server *Yes*

B1 and B2 are the same as previous.

In case of using NAT (static private ip):

In A1:

- Connection type *Static IP*
- Static IP *Router IP*
- Gateway *Gateway IP*
- Net Mask *Net Mask (255.255.255.0)*

In A2:

- LAN IP address *Local IP-address*
- LAN IP NetMask *Net Mask (255.255.255.0)*
- Enable DHCP server *No*

B1 and B2 are the same as previous.

In case of using NAT and DHCP:

In A1:

- Connection type *DHCP*
- Net Mask *Net Mask (255.255.255.0)*

In A2:

- LAN IP address *Local IP-address*
- LAN IP NetMask *Net Mask (255.255.255.0)*
- Enable DHCP server *Yes*

B1 and B2 are the same as previous.

!!NOTE!! In B2 similar changes may be done in Line2 subfolder to activate the second port.