

On the first page enter in the CUCM information (proxy) The User ID (the extension number) and the password (digest credentials from CUCM user page) We are using XXXXX as our password.

Quick Setup

Line 1

Proxy: 172.16.36.220

Display Name: CDW Test SPA232D

Password: *****

User ID: 6003

Dial Plan: (*xx[3469]11[0]00[2-9]xxxxxx1xxx[2-9]xxxxxx50)xxxxxxxxxxxxxx

DECT Line 1

Proxy: 172.16.36.220

Display Name: CDW Test SPA232D

Password: *****

User ID: 6003

Dial Plan: (*xx[3469]11[0]00[2-9]xxxxxx1xxx[2-9]xxxxxx50)xxxxxxxxxxxxxx

Handset - Outgoing DECT Line Selection

DECT Line	1	2	3	4	5	6	7	8	9	10	PSTN	All	Default	Fallover
Handset 1(020C00F7A5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Yes
Handset 2(0000000000)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	No
Handset 3(0000000000)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	No
Handset 4(0000000000)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	No
Handset 5(0000000000)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	No
All Handsets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Handset - Incoming DECT Line Selection

Handset 1 (020C00F7A5) 2 (0000000000) 3 (0000000000) 4 (0000000000) 5 (0000000000) All Handsets

DECT Line 1 ☒ ☐ ☐ ☐ ☐ ☐

I had to manually set the VLAN since CDP or LLDP-MED is not enabled on the network. This should be the voice VLAN

Network Setup

VLAN

Enable VLAN: ☒ Enabled ☐ Disabled

VLAN ID: 835 * (1-4094)

Submit Cancel

You configure the SPA's static IP Address on the Internet settings section.

The screenshot shows the Cisco Phone Adapter Configuration Utility web interface. The browser address bar displays '172.16.35.105/wan_sub.asp'. The page has a navigation bar with tabs: Quick Setup, Network Setup (selected), Voice, Administration, and Status. On the left, a sidebar shows a tree view with 'Basic Setup' expanded, containing 'Network Service', 'Internet Settings' (highlighted), 'Time Settings', and 'Advanced Settings'. The main content area is titled 'Internet Settings' and contains two sections: 'Internet Connection Type' and 'Optional Settings'. In the 'Internet Connection Type' section, 'Connection Type' is set to 'Static IP'. The 'Internet IP Address' is 172.16.35.105, 'Subnet Mask' is 255.255.255.0, and 'Default Gateway' is 172.16.35.1. The 'MTU' is set to 'Auto' with a value of 0. The 'Optional Settings' section includes 'Host Name' (cdwspa232d), 'Domain Name' (firstcom.local), 'DNS Server Order' (Manual), 'Primary DNS' (172.31.36.191), and 'Secondary DNS' (172.31.46.17). At the bottom are 'Submit' and 'Cancel' buttons.

172.16.35.105/wan_sub.asp

Most Visited Getting Started Freeberg Pool Cam

Phone Adapter Configuration Utility

Quick Setup **Network Setup** Voice Administration Status

Basic Setup
Network Service
Internet Settings
Time Settings
Advanced Settings

Internet Settings

Internet Connection Type

Connection Type: Static IP

Internet IP Address: 172 . 16 . 35 . 105

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 172 . 16 . 35 . 1

MTU: Auto 0

Optional Settings

Host Name: cdwspa232d

Domain Name: firstcom.local

DNS Server Order: Manual

Primary DNS: 172 . 31 . 36 . 191

Secondary DNS: 172 . 31 . 46 . 17

Submit Cancel

You MUST Disable line 1 on this device in order for the SPA 302D to register and work as expected.

The screenshot shows the 'Line 1' configuration page in the Cisco Phone Adapter Configuration Utility. The navigation bar is the same as the previous screenshot. The sidebar on the left shows a tree view with 'Line 1' selected under 'Regional'. The main content area is titled 'Line 1' and contains several sections: 'General', 'Streaming Audio Server (SAS)', 'NAT Settings', and 'Network Settings'. In the 'General' section, 'Line Enable' is set to 'no'. The 'Streaming Audio Server (SAS)' section has 'SAS Enable' set to 'no' and 'SAS DLG Refresh Intvl' set to 30. The 'NAT Settings' section has 'NAT Mapping Enable' set to 'no', 'NAT Keep Alive Mag' set to 'SNOTIFY', 'NAT Keep Alive Enable' set to 'no', and 'NAT Keep Alive Dest' set to 'SPROXY'. The 'Network Settings' section has 'SIP ToS/DiffServ Value' set to '0x68' and 'SIP CoS Value' set to 3. At the bottom are 'Submit' and 'Cancel' buttons.

Quick Setup Network Setup **Voice** Administration Status

Information
System
SIP
Provisioning
Regional
Line 1
User 1
PSTN
DECT Line 1
DECT Line 2
DECT Line 3
DECT Line 4
DECT Line 5
DECT Line 6
DECT Line 7
DECT Line 8
DECT Line 9
DECT Line 10

Line 1

General

Line Enable: no

Streaming Audio Server (SAS)

SAS Enable: no

SAS Inbound RTP Sink:

SAS DLG Refresh Intvl: 30

NAT Settings

NAT Mapping Enable: no

NAT Keep Alive Mag: SNOTIFY

NAT Keep Alive Enable: no

NAT Keep Alive Dest: SPROXY

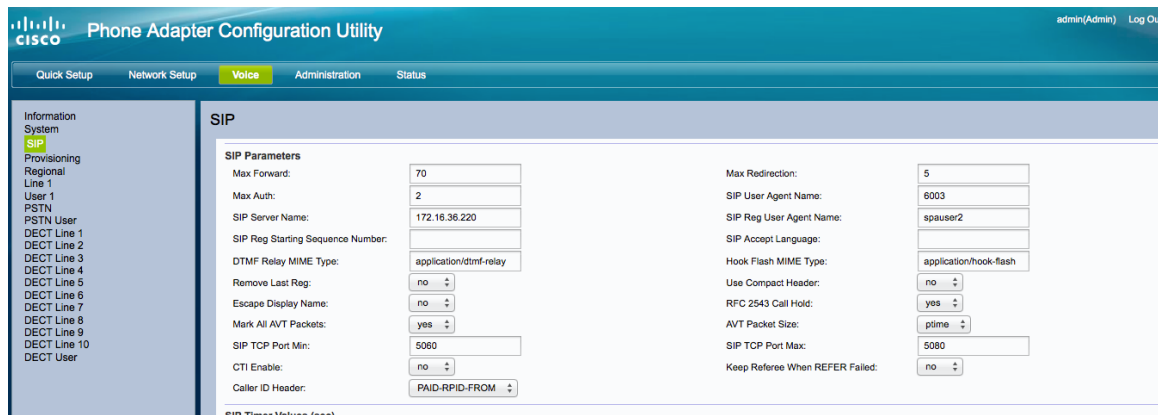
Network Settings

SIP ToS/DiffServ Value: 0x68

SIP CoS Value: 3 10-71

Submit Cancel

You need to configure the SIP User Agent name is the extension number, the server name is the IP Address of CUCM publisher, the SIP Reg Username is the end user from CUCM for the specific device.

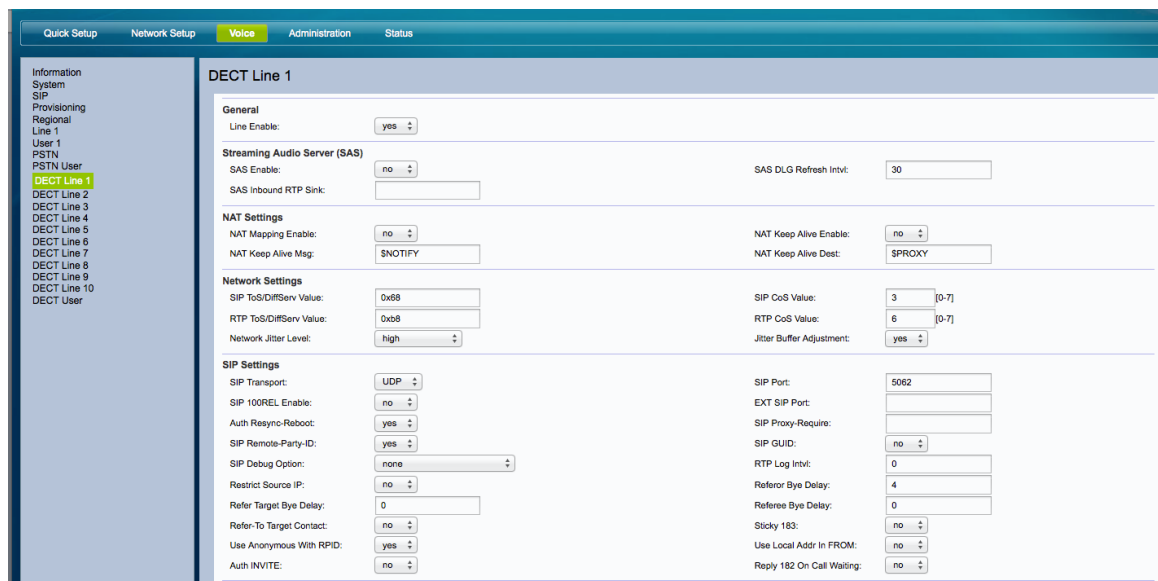


The screenshot shows the 'SIP' configuration page in the Cisco Phone Adapter Configuration Utility. The left sidebar lists the navigation menu with 'SIP' selected. The main content area is titled 'SIP' and contains two columns of configuration fields.

SIP Parameters	
Max Forward:	70
Max Auth:	2
SIP Server Name:	172.16.36.220
SIP Reg Starting Sequence Number:	
DTMF Relay MIME Type:	application/dtmf-relay
Remove Last Reg:	no
Escape Display Name:	no
Mark All AVT Packets:	yes
SIP TCP Port Min:	5060
CTI Enable:	no
Caller ID Header:	PAID-RPID-FROM
Max Redirection:	5
SIP User Agent Name:	6003
SIP Reg User Agent Name:	spauser2
SIP Accept Language:	
Hook Flash MIME Type:	application/hook-flash
Use Compact Header:	no
RFC 2543 Call Hold:	yes
AVT Packet Size:	ptime
SIP TCP Port Max:	5080
Keep Referee When REFER Failed:	no

SIP Timer Values (sec)

DECT Line 1 needs to be enabled “yes”



The screenshot shows the 'DECT Line 1' configuration page in the Cisco Phone Adapter Configuration Utility. The left sidebar lists the navigation menu with 'DECT Line 1' selected. The main content area is titled 'DECT Line 1' and contains several sections of configuration fields.

General	
Line Enable:	yes

Streaming Audio Server (SAS)	
SAS Enable:	no
SAS Inbound RTP Sink:	
SAS DLG Refresh Intvl:	30

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 [0-7]
RTP CoS Value:	6 [0-7]
Jitter Buffer Adjustment:	yes

SIP Settings	
SIP Transport:	UDP
SIP 100REL Enable:	no
Auth Reauth-Reboot:	yes
SIP Remote-Party-ID:	yes
SIP Debug Option:	none
Restrict Source IP:	no
Refer Target Bye Delay:	0
Refer-To Target Contact:	no
Use Anonymous With RPID:	yes
Auth INVITE:	no
SIP Port:	5062
EXT SIP Port:	
SIP Proxy-Require:	
SIP GUID:	no
RTP Log Intvl:	0
Referor Bye Delay:	4
Referer Bye Delay:	0
Sticky 183:	no
Use Local Addr In FROM:	no
Reply 182 On Call Waiting:	no

DECT Line 1 Proxy should get populated automatically from the page one settings, You will need to change “Use Auth ID” to “yes”
The User ID is the Ext number, the password is “cisco” The auth ID is the CUCM End User ID for this device and the directory number is the extension.

DECT Line 1

Refer Target Bye Delay: 0
Refer-To Target Contact: no
Use Anonymous With RPID: yes
Auth INVITE: no

Referer Bye Delay: 0
Sticky 183: no
Use Local Addr In FROM: no
Reply 182 On Call Waiting: no

Call Feature Settings
Blind Attn-Xfer Enable: no
Xfer When Hangup Conf: yes
Conference Bridge Ports: 3
Mailbox ID:
MOH Server:
Conference Bridge URL:
Voice Mail Number:
Feature Key Sync: no

Proxy and Registration
Proxy: 172.16.36.220
Outbound Proxy:
Use Outbound Proxy: no
Register: yes
Register Expires: 3600
Use DNS SRV: no
Proxy fallback Intvl: 3600
Voice Mail Server:
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
Mailbox Subscribe Expires: 2147483647

Subscriber Information
Display Name: CDW Test: SPA232D
Password: *****
Auth ID: spaiser2
Resident Online Number:
User ID: 6003
Use Auth ID: yes
Directory Number: 6003

You must change the admin password from the default of admin to something else. After that then you will need to enable remote access to the device. Once “bridge mode” has been enabled you will access the device from the static IP Address of the Internet port.

The final step is to change the network service to Bridge Mode. This has to be done last after all of the other settings have been changed. Once this is done you will connect the LAN side of SPA to the network. You DO NOT USE the internet port on the SPA.



Phone Adapter Configuration Utility

Quick Setup

Network Setup

Voice

Administration

Status

▼ Basic Setup

Network Service

Internet Settings

Time Settings

▶ Advanced Settings

Network Service

Networking Service: Bridge ▾

Monitor Network Drop on WAN Port Only: ☐ ON ☒ OFF

Submit

Cancel