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IP Direct Calling



The following instructions¹⁾ are to make direct IP-to-IP calls using the Cisco SPA525G or SPA504G phones. For instructions on using our local PBX, see the instructions are here.

General Notes:

- All steps are done as Administrator on the advanced page.
- This setup will configure the last extension and line key for direct IP dial calls and leave extension 1 / line key 1 for PBX calls.
- It may be a good idea to Submit All Changes after each step but it also may be unnecessary.
- Outgoing calls may be placed from the personal directory, speed dial buttons or the dial pad. When using the dial pad, end the IP address with a # character. This will send the call out immediately.
- If you like, you can publish your phone's IP number on the mesh status page so others can add your phone directly.
- If you are replacing an existing speed dial button with the new direct dialing Line, make sure to remove the previous info in the Short Name and Extended Functions boxes.

SPA525G

Ext 1 tab

- SIP Settings
 - o SIP Port: 5070



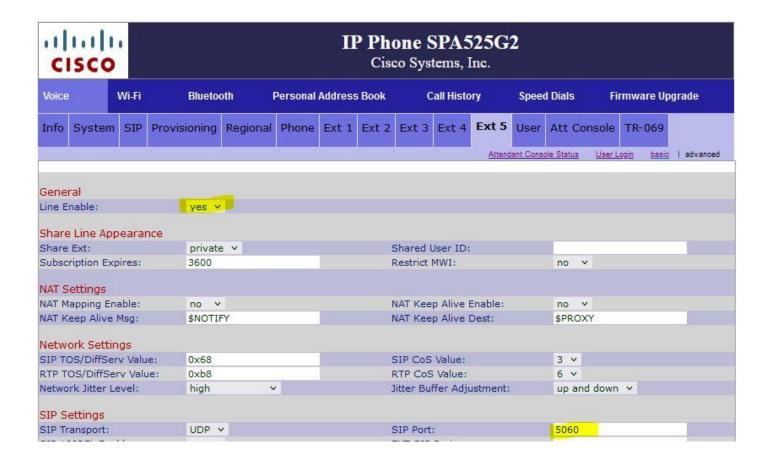
Ext 5 tab (or any free Ext you want to use)

General

Line Enable: yes

SIP Settings

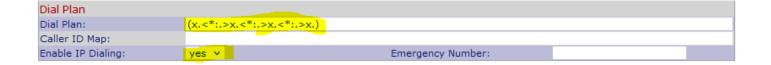
o SIP Port: 5060



- Proxy and Registration
 - Register: no
 - ∘ Make Call Without Reg: yes
 - ∘ Ans Call Without Reg: yes
- Subscriber Information:
 - Enter your Call and Direct for example

Proxy:				
	-			
Outbound Proxy:				
Alternate Proxy:				
Alternate Outbound Proxy:	0			
Use Outbound Proxy:	no v	Use OB Proxy In Dialog:	yes v	
Register:	no v	Make Call Without Reg:	yes v	
Register Expires:	3600	Ans Call Without Reg:	yes 🗸	
Use DNS SRV:	no v	DNS SRV Auto Prefix:	no v	
Proxy Fallback Intvl:	3600	Proxy Redundancy Method:	Normal	~
Dual Registration:	no v	Auto Register When Failover:	no V	
Subscriber Information				
Display Name:	VE7LSE DIRECT	User ID:		
Password:		Use Auth ID:	no v	
Auth ID:		Reversed Auth Realm:	0	
Mini Certificate:				
SRTP Private Key:				
Resident Online Number:		SIP URI:		

- Dial Plan
 - o Dial Plan: (x.<*:.>x.<*:.>x.)
 - ∘ Enable IP Dialing: Yes



Phone tab

• Line Key 1

• Extension: 1

• Line Key 5

Extension: 5 or your preference Line Key



Make sure your line keys do not have anything entered for extended Function.



Outgoing Direct-IP dialed calls

Personal Directory

This section is done on the phone itself. To add to the directory:

- Press your line key that is setup for direct dialing
- Dial IP of the phone you want to call (using the * key as a .) For example, to enter 10.10.123.123, key in: 1*1*123*123
- Press Dial to make sure it works.
- Press Setup button:
- Navigate to 2. Call History
- Navigate to 4. Placed Calls
- Navigate to the call you just placed using the IP Address
- Press the Option button.
- Navigate to Add to Address Book
- Enter the info you want in there then press Save

The reason for this method is that the SPA525G does not recognize an IP addressed entered into the web interface when adding a directory entry. If anyone figures out a work around, please let us know.

How to add direct IP contacts to your speed dial buttons on your phone's spare line keys or Attendant Console keys:

Phone

• Line Key x

Extension: Disabled

Short Name: Enter a short name

Extended Function: Enter something like: vid=5; fnc=sd; ext=10.46.174.182



- vid=5 refers to the line key used for this speed dial button
- Change the IP address and name to the correct one you are trying to add



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ATT Console

• Cut and paste this example into a free "Unit 1 or Unit 2 Key":

vid=5;fnc=sd;ext=10.46.174.182;nme=VA7PF DIRECT

Unit 1 Key 3:

vid=5;fnc=sd;ext=10.46.174.182;nme=VA7PF DIRECT

SPA504G

Ext 1 tab

- SIP Settings
 - o SIP Port: 5070



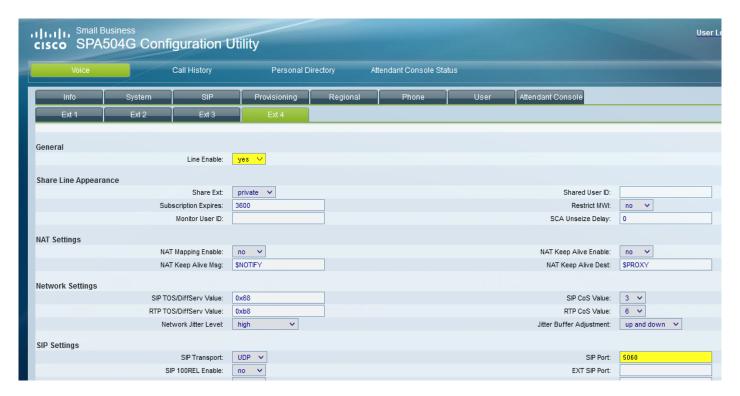
Ext 4 tab or any free Ext you want to use

General

Line Enable: yes

SIP Settings

• SIP Port: 5060



• Proxy and Registration

• Register: no

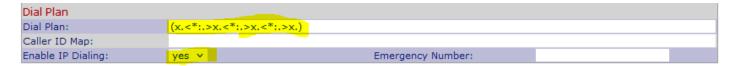
Make Call Without Reg: yesAns Call Without Reg: yes

• Subscriber Information

• Enter your Call and Direct for example

Proxy and Registration				
Proxy:				
Outbound Proxy:				
Alternate Proxy:				
Alternate Outbound Proxy:				
Use Outbound Proxy:	no 🗸	Use OB Proxy In Di	ialog: yes V	
Register:	no V	Make Call Without	Reg: yes ∨	
Register Expires:	3600	Ans Call Without	Reg: yes 🗸	
Use DNS SRV:	no V	DNS SRV Auto Pr	refix: no 🗸	
Proxy Fallback Intvl:	3600	Proxy Redundancy Met	thod: Normal V	
Dual Registration:	no V	Auto Register When Faile	over: no V	
Subscriber Information				
Display Name:	VE7BEF Direct	Use	er ID:	
Password:		Use Aut	th ID: no V	

- Dial Plan
 - ∘ Dial Plan: (x.<*:.>x.<*:.>x.)
- Enable IP Dialing: Yes

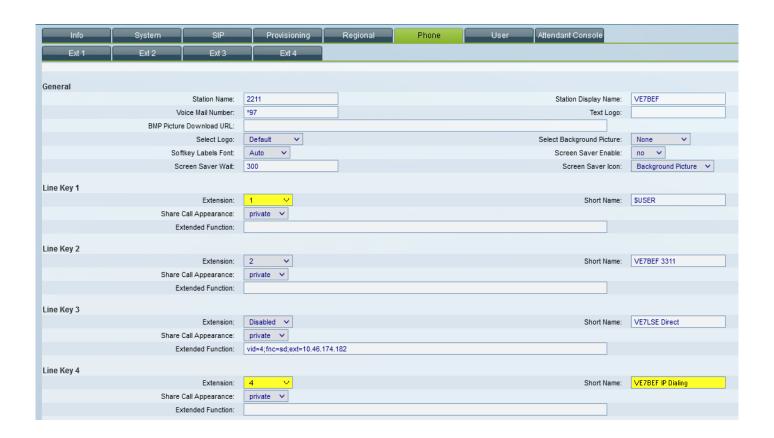


Phone tab

- Line Key 1
 - Extension: 1
- Line Key 4
 - Extension: 4 or your preference Line Key



Make sure your line keys do not have anything entered for extended Function.



Outgoing Direct-IP dialed calls

Personal Directory

In each box, place an entry for each desired phone. Examples:

n=VE7LSE; p=10.1.2.3 n=N2MH; p=10.73.73.66

cisc	II. Small Business SPA504G Pe	Admin Login	basic advanced			
	Voice	Call History	Personal Directory	Attendant Console Status		
D	irectory					
1.	n=VE7LSE;p=10.1.2.3		2.			
3.	n=N2MH;p=10.73.73.66		4.			
5.			6.			

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How to add direct IP contacts to your speed dial buttons on your phone's spare line keys or Attendant Console keys:

Phone

• Line Key x

Extension: Disabled

Short Name: Enter a short name

Extended Function: Enter something like: vid=4; fnc=sd; ext=10.46.174.182



- vid=4 refers to the line key used for this speed dial button
- Change the IP address and name to the correct one you are trying to add



ATT Console

• Cut and paste this example into a free "Unit 1 or Unit 2 Key":

vid=5;fnc=sd;ext=10.46.174.182;nme=VA7PF DIRECT

Unit 1 Key 3:

vid=5;fnc=sd;ext=10.46.174.182;nme=VA7PF DIRECT

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