

Cisco 7905/7912

The Cisco IP Phone 7905/12 is a cost-effective, basic IP phone providing a core set of business features. It is specifically suited for enterprise and service provider applications, and can be deployed in the following end-user environments: enterprises, small and medium-sized businesses (SMB), and small offices, home offices (SOHO).




The main difference between 7905 and 7912 is 7912 has an additional LAN port to connect a PC to it.

Step 1: Configuring IP address and Changing from Call Manager to SIP

1. Your phone out of the box will power on with Cisco Call Manager. Press the Menu button and select the “3-Settings” menu option (by using up/down arrows and the Select soft key, or by typing the number three).
2. Select “4-Network Configuration” (by using up/down arrows and the Select soft key, or by typing the number four). Unlock phone by pressing `***#` to enter the editing mode. enter the default password 1234 always when prompted for the administration password. Note: If the password is numeric, you first must press the “Number” soft key. If the password is alphabetic, press “Number” à “Alpha.” (Note that you will not always be asked for a password if this is the first time the phone is configured.)
3. If you are using a Linksys and the default IP address is 192.168.1.1 for your router.
Linksys Router 192.168.1.1
IP address of the phone will be something on that network 192.168.1.xx
Subnet 255.255.255.0
Default Router: 192.168.1.1
Change the “7-TFTP Server” TFTP server to the following IP (Contact GlobalPhone for IP address)
Make sure the “20—Alternate TFTP Server” option is set to “Yes.”
4. Press the “Validate” soft key. Press “Save”&“Exit” to return to the home LCD screen.
Configuring IP Configuring VLAN (Virtual Local Area Network)
Configuring CM (Configuration Management) List. This message will display as the code is being downloaded. You now have SIP loaded on your phone.

Step 2: Configuring the Phone

1. Using the key pad check the IP address of the Phone in Network Configuration
2. Using an Internet browser, browse to the phone that you are configuring. (<http://192.168.1.x>) default password is 1234.
3. Once you login you will see the screen as shown below.
4. Device Information, Network Configuration, Network Statistics, Device Logs these will show the corresponding details. To change any of the configuration click on any one below Change Configuration.



Device Information

Cisco IP Phone 7905

| | | |
|------------------------------|---------------------|------------------|
| <u>Device Information</u> | MAC Address | 000DED913059 |
| <u>Network Configuration</u> | Software Version | 1.02.00(040406A) |
| <u>Network Statistics</u> | Hardware Revision | 0x0004 0x0000 |
| <u>Device Logs</u> | Serial Number | INM07401ETM |
| <u>Change Configuration</u> | Product ID | CP-7905G |
| <u>Network Parameters</u> | H/W Features | 0x00000000 |
| <u>SIP Parameters</u> | BTXML Cards Version | LD04-25-2002#0 |
| <u>Call Preferences</u> | | |
| <u>Tone Parameters</u> | | |
| <u>Audio Parameters</u> | | |

Step 3: Configuring SIP parameters

You must have a valid DID from the provider and use **www.cyberspeaking.com** as Proxy as shown. Other parameters are set as shown.

[Device Information](#)

[Network Configuration](#)

[Network Statistics](#)

[Device Logs](#)

[Change Configuration](#)

[Network Parameters](#)

[SIP Parameters](#)

[Call Preferences](#)

[Tone Parameters](#)

[Audio Parameters](#)

| | |
|-----------------|--|
| UID | <input type="text" value="DID"/> |
| PWD | <input type="text" value="*****"/> |
| Proxy | <input type="text" value="www.cyberspeaking.com"/> |
| AltProxyTimeOut | <input type="text" value="0"/> |
| UseLoginID | <input type="text" value="1"/> |
| LoginID | <input type="text" value="DID"/> |
| SIPRegInterval | <input type="text" value="60"/> |
| MaxRedirect | <input type="text" value="5"/> |
| SIPRegOn | <input type="text" value="1"/> |
| NATIP | <input type="text" value="0.0.0.0"/> |
| SIPPort | <input type="text" value="5060"/> |
| MediaPort | <input type="text" value="16384"/> |
| OutBoundProxy | <input type="text" value="www.cyberspeaking.com"/> |
| NatServer | <input type="text" value="0"/> |
| NatTimer | <input type="text" value="0x00000000"/> |
| DialPlan | <input type="text" value="911 1>#t8.r9t2- 0>#t811.r"/> |
| IPDialPlan | <input type="text" value="1"/> |

Step 4: Configure DNS IP

Configure DNS IP's as shown. You can use IP's from your ISP if you have them.

| | |
|--------|---|
| DNS1IP | <input type="text" value="66.208.2.2"/> |
| DNS2IP | <input type="text" value="66.208.1.2"/> |

Step 5: Configuring Audio Codec

Configure the Audio Codec as shown

- 2 – G711U Law
- 0 – G7231
- 3 - G729A



| | |
|-------------|---|
| RxCodec | <input type="text" value="2"/> |
| TxCodec | <input type="text" value="2"/> |
| AudioMode | <input type="text" value="0x00000011"/> |
| ConnectMode | <input type="text" value="0x00000000"/> |
| NumTxFrames | <input type="text" value="2"/> |

Step 6: IP Phone is ready to make and receive calls