



Customer Premise Equipment

March 2010

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1 Definitions

Certified Equipment (CE) – Customer Provided Equipment (CPE) that CommPartners (CP) actively ensures will continue to interoperate with the CP network and operating facilities and will be re-certified based upon CP network changes. Not every CPE feature or function will be covered. Only features and functions identified in the Configuration Guide will be included in the certification.

Authorized Equipment (AE) – Customer Provided Equipment (CPE) that CP has completed Interoperability (Inter-Op) testing, including availability of published Configuration Guide. Equipment Approval is a snapshot and if equipment remains within industry standards should continue to operate satisfactorily on the network; however, CPE in this category will not be automatically retested and “re-authorized” in advance of CP network changes.

Other Devices (OD) – CommPartners Connect services may be attached to other devices than those listed; however, CommPartners Connect NCC and Support teams will be unable to assist in the deployment of support of such devices

2 CPE/IAD Interoperability List

IP Phones	Firmware	Certified	Authorized	Vendor Certified
Aastra 480i/480iCT/9133i	1.4		•	
Aastra 55i/57i			•	
Cisco 7940G/7960G	8.8	•		•
Grandstream BT200	1.1.6.32		•	•
Grandstream GXP-2000/2020			•	•
Cisco Linksys SPA841/901/92x/94x/96x/525			•	•
Polycom SoundPoint IP300/500	2.1.2	•		•
Polycom SoundPoint IP301/32x/33x	3.1.3rb	•		•
Polycom SoundPoint IP430/450	3.1.3rb	•		•
Polycom SoundPoint IP501/550/560	3.1.3rb	•		•
Polycom SoundPoint IP600/601/650/670	3.1.3rb	•		•
Polycom SoundStation IP4000/6000	3.1.3rb	•		•
Polycom VVX 1500	3.1.3rb	•		•
CyberData VoIP Ceiling Speaker	4.02		•	•

ATAs	Firmware	Certified	Authorized	Vendor Certified
Linksys PAP2/PAP2T	3.1.22	•		•
Linksys RT31P2	2.0.12		•	•
Mediatix 2102	5.0		•	
Sipura SPA-1000/2000/2002	3.1.5		•	

Softphones	Firmware	Certified	Authorized	Vendor Certified
CounterPath X-Ten/X-Lite			•	

WiFi Phones	Firmware	Certified	Authorized	Vendor Certified
Linksys WIP300/330			•	•
UTStarcom F1000	3.10st		•	
Polycom Kirk Wireless Server 300 (KWS300)			•	•
Polycom Kirk 2010 Handset (w/ KWS300)			•	•
Polycom Kirk 4020/40 Handset (w/ KWS300)			•	•
Polycom Kirk 5020/40 Handset (w/ KWS300)			•	•

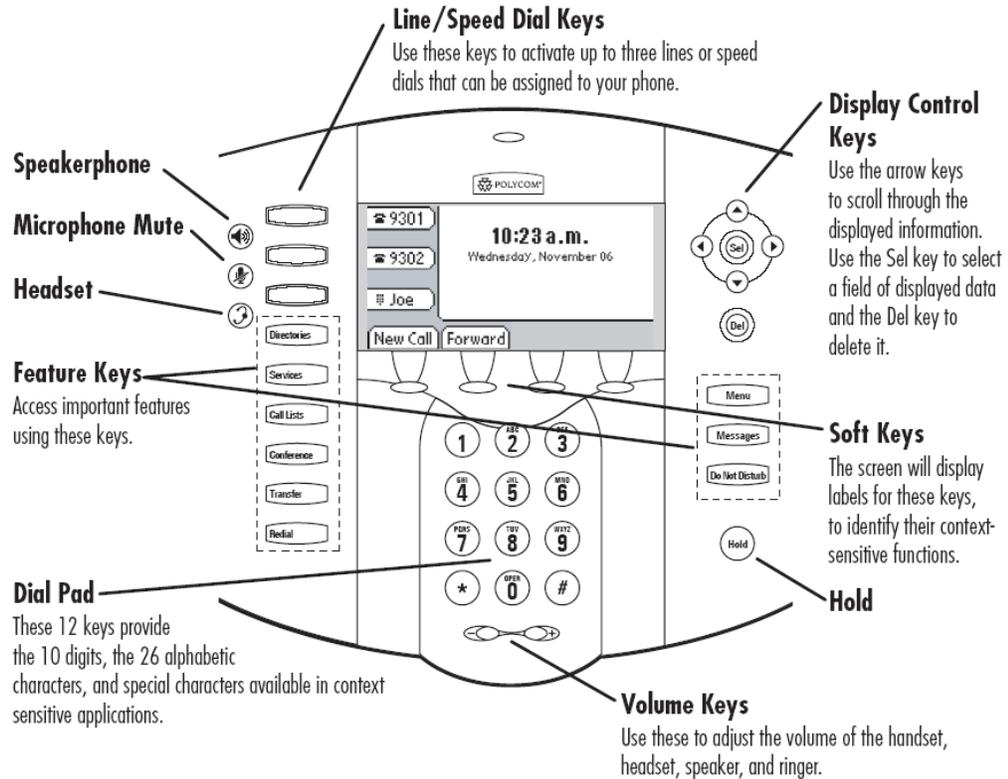
IP PBX	Firmware	Certified	Authorized	Vendor Certified
Asterisk			•	
Cisco Call Manager / Express / UC500			•	•
Fonality			•	
Grandstream GXE-5024				•
Intuitive Voice Evolution PBX	2.3.5.3		•	•

IP PBX (continued)				
Iwatsu				•
Linksys SPA-9000	5.1.8		•	
Sutus BC200	1.3.4.070801.15		•	•
Toshiba Strata CIX			•	•
Vertical Telenium			•	•
Vertical Wave			•	•
Vertical Xcelerator	1.5.4		•	•

IAD / Gateway				
Adtran TA900(e) Series	14.02	•		•
Quintum DX & AX	P102-11-00		•	
Citel SIP Handset Gateway	2.5		•	•
Cisco AS5300/5400	12.2		•	
InGate Siparator			•	
Mediatrix 4104			•	
Verilink 8000s Series IAD			•	

3 Automatic Configuration

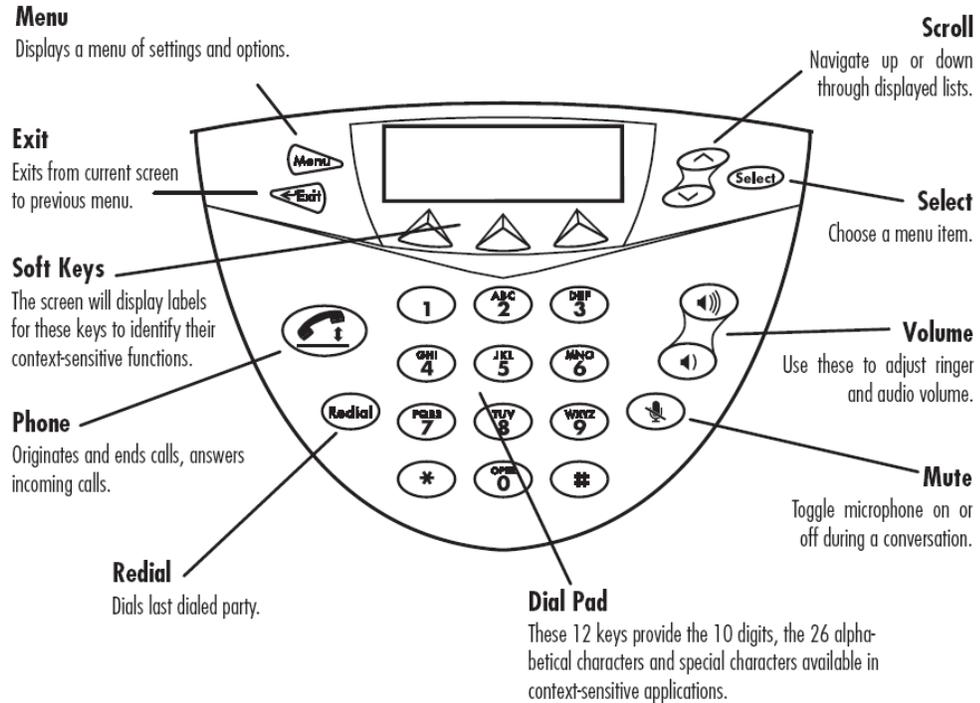
3.1 Polycom SoundPoint



- Power the phone on and press the SETUP soft button that appears during boot.
- Enter the “456” password
- Press “OK”
- Using the down arrow cursor key, scroll down to the DHCP MENU choice
- Press the SELECT button
- Under the BOOT SERVER option, locate the OPTION 66 setting and change it to STATIC using the left/right arrows.
- EXIT back to the previous menu.
- Using the down arrow cursor key, scroll down to the SERVER MENU choice
- Press the SELECT button
- The cursor will be on the SERVER TYPE field
- Press the EDIT soft button
- Using the left or right arrow keys, change the field to read FTP
- Press OK
- The cursor will now be on the SERVER ADDRESS field
- Press the EDIT soft button

- You will enter the address *prov.commpartners.us*
 - Note: in order to enter numbers, you may need to press the a->1A soft button until it says 1->Aa
 - Key Strokes for the new domain are as follows, dash(-) indicates a pause until the cursor on the phone moves, * is for period
 - 7-777-666-888*222-666-6-6-7-2-777-8-66-33-777-7777*88-7777
- Once you have entered the IP address, press OK
- The cursor will now be on the FTP USER field
- Ensure the entry mode is set to a->1A and enter the username that corresponds to the device you are provisioning:
 - For Polycom 670, user = **poly670**
 - For Polycom 650, user = **poly650**
 - For Polycom 550, user = **poly550**
 - For Polycom 450, user = **poly450**
 - For Polycom 430, user = **polycom**
 - For Polycom 331, user = **poly331**
 - For Polycom 330, user = **poly330**
 - For Polycom 321, user = **poly321**
 - For Polycom 320, user = **poly320**
 - For Polycom 301, user = **poly301**
 - For Polycom 300, user = **polycom**
 - For Polycom 501, user = **poly501**
 - For Polycom 500, user = **polycom**
- After you enter the username, press OK
- The cursor will now be on the FTP PASSWORD field
- Press the EDIT soft button
- Again, enter the word polycom as the password
- Press OK
- Press the EXIT button until you reach the menu that asks if you would like to save settings and reboot. You have the option here of canceling all your entries or saving them. Upon reboot the phone will contact the FTP server at CommPartners and auto-provision itself to the user and device previously entered into the system.

3.2 Polycom SoundStation 4000 / 6000



- Power the phone on and press the SETUP soft button that appears during boot.
- Enter the “456” password
- Press “OK”
- Using the down arrow cursor key, scroll down to the DHCP MENU choice
- Press the SELECT button
- Under the BOOT SERVER option, locate the OPTION 66 setting and change it to STATIC using the left/right arrows.
- EXIT back to the previous menu.
- Using the down arrow cursor key, scroll down to the SERVER MENU choice
- Press the SELECT button
- The cursor will be on the SERVER TYPE field
- Press the EDIT soft button
- Using the left or right arrow keys, change the field to read FTP
- Press OK
- The cursor will now be on the SERVER ADDRESS field
- Press the EDIT soft button
- You will enter the address prov.commpartners.us
 - Note: in order to enter numbers, you may need to press the a->1A soft button until it says 1->Aa
 - Key Strokes for the new domain are as follows, dash(-) indicates a pause until the cursor on the phone moves, * is for period
 - 7-777-666-888*222-666-6-6-7-2-777-8-66-33-777-7777*88-7777
- Once you have entered the IP address, press OK
- The cursor will now be on the FTP USER field
- Press the EDIT soft button

- For the IP4000, ensure the entry mode is set to a->1A and enter the word **polycom**. This is done using typical number keys similar to entering names on a cell phone (eg: pressing the 2 key once gives “a” but pressing the 2 key three times gives “c”)
- For the IP6000, ensure the entry mode is set to a->1A and enter the word **poly6000**
- After you enter the username, press OK
- The cursor will now be on the FTP PASSWORD field
- Press the EDIT soft button
- Enter the word **polycom** as the password
- Press OK
- Press the EXIT button until you reach the menu that asks if you would like to save settings and reboot. You have the option here of canceling all your entries or saving them. Upon reboot the phone will contact the FTP server at CommPartners and auto-provision itself to the user and device previously entered into the system.

3.3 Polycom VVX 1500



- Power the phone on and press the SETUP button on the touchscreen
 - Enter the “456” password and press OK
 - Using the down arrow cursor key, scroll down to the DHCP MENU choice
 - Press the SELECT button
 - Under the BOOT SERVER option, locate the OPTION 66 setting and change it to STATIC using the left/right arrows.
 - EXIT back to the previous menu.
 - Using the down arrow cursor key, scroll down to the SERVER MENU choice
 - Press the SELECT button
 - The cursor will be on the SERVER TYPE field
 - Press the EDIT soft button
 - Using the left or right arrow keys, change the field to read FTP
 - Press OK
-
- The cursor will now be on the SERVER ADDRESS field
 - Press the EDIT button on the touch screen
 - You will enter the address prov.commpartners.us
 - Note: in order to enter numbers, you may need to press the a->1A soft button until it says 1->Aa
 - Key Strokes for the new domain are as follows, dash(-) indicates a pause until the cursor on the phone moves, * is for period
 - 7-777-666-888*222-666-6-6-7-2-777-8-66-33-777-7777*88-7777
 - Once you have entered the IP address, press OK
 - The cursor will now be on the FTP USER field
 - Press the EDIT soft button
 - Enter the word **polyvvx1500**
 - After you enter the username, press OK
 - The cursor will now be on the FTP PASSWORD field

- Press the EDIT soft button
- Enter the word **polycom** as the password
- Press OK
- Press the EXIT button until you reach the menu that asks if you would like to save settings and reboot. You have the option here of canceling all your entries or saving them. Upon reboot the phone will contact the FTP server at CommPartners and auto-provision itself to the user and device previously entered into the system.

3.4 Polycom Kirk Wireless Server 300 (KWS300)



- You will need:
 - Broadsoft Enterprise Seat Information (Line Port, Auth User, Auth Password, Domain) for each Kirk Wireless Handset
 - Kirk Wireless Handset Phone's IPEI Code
- Connect the KWS300 to a PoE switch or PoE injector
- The KWS300 is shipped with a default IP address of 192.168.0.1. You will need to set a static IP address on your PC to log into the web interface. Use the following:
 - IP Address: 192.168.0.100
 - Subnet Mask: 255.255.255.0
 - Gateway: 192.168.0.1
- Open a web browser and go to <http://192.168.0.1/>. Use the following login credentials:
 - User: admin
 - Password: kws300

- Go to Configuration > SIP. Use the following settings:

General

- Local port: 5060
- Transport: UDP only
- Default domain: <Use the Broadsoft Domain>
- Register each endpoint on separate port: disabled
- Send all messages to current registrar: disabled
- Registration expire: 3600
- Max forwards: 70
- SIP type of service (TOS/Diffserv): 96

Proxies

- Proxy 1: Priority 1; Weight 100; URI sip:204.14.39.36

Authentication

- Default User: <Use one of the user accounts>
- Default Password: <Use one of the user passwords>

DTMF Signaling

- Send as RTP (rfc2833): enabled
- Offered rfc2833 payload type: 101
- Send as SIP INFO: disabled
- Tone duration: 270

Message waiting indication

- Enable indication: enabled
- Enable subscription: enabled
- Subscription expire: 3600

Media

- Packet duration: 20
- Media type of service: 184
- Port range start: 58000
- Codec priority: (1) PCMU/8000; (2) PCMA/8000
- Require symmetric RTP

Call status

- Play on-hold tone: enabled
- Display status messages: enabled
- # key ends overlap dialing: disabled

- Go to Users
- Click New
- Enter the following:

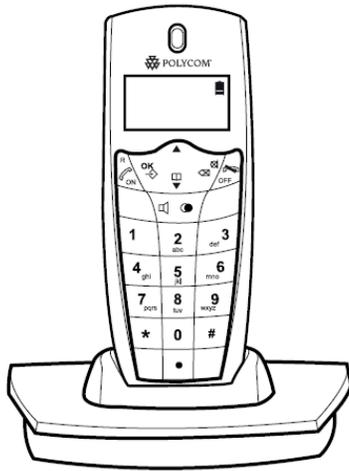
DECT

- IPEI: <See section "Finding the Phone's IPEI">
- Access Code: <leave blank>
- Standby text: <leave blank>

SIP

- Username/Extension: <Enter the Broadsoft line port>
- Domain: <Enter the Broadsoft Domain>
- Displayname: <Enter the user's First/Last Name>
- Authentication user: <Enter the Broadsoft account's Auth User>
- Authentication password: <Enter the Broadsoft account's Auth Pass>
- Disabled: disabled

3.5 Polycom Kirk 2010 Handset (for KWS300)



- The KWS300 will need to be configured with the Broadsoft seat information before proceeding
- Power on the phone and press OK
- Use the arrow keys and scroll to REG. MENU, press OK
- Select SUBSCRIBE
- Leave AC Code blank and press OK
- Phone will search for KWS300
- The phone will return to the main screen, verify the phone has subscribed in the User tab of the KWS300 web interface

3.6 Polycom Kirk 4020/40 Handset (for KWS300)



- Press Menu
- Use the arrow keys (Redial / Book) and select LOGIN by
- Select SUBSCRIPTION CREATE
- Phone will search for KWS300
- Once the phone returns the AIC # of the KWS300, press the OK (MUTE) button
- You will be asked to enter the AC code, press the OK button
- The phone will return to the main screen, verify the phone has subscribed in the User tab of the KWS300 web interface

3.7 Polycom Kirk 5020/40 Handset (for KWS300)



- Press Menu softkey
- Scroll to SETTINGS
- Select ADVANCED
- Select LOGIN
- Choose CREATE LOGIN
- Phone will search for KWS300 and will return with the AIC# on the unit
- Press the SELECT softkey
- You will be asked for the AC code, leave blank and press the OK softkey
- After the phone connects, press OK
- Press BACK/EXIT until you reach the main screen
- Verify the phone has subscribed by going to the User tab in the KWS300 web interface

3.8 Cisco 7960/7940



- | | |
|---------------------------------|-----------------------|
| 1. Handset with indicator light | 10. Mute button |
| 2. LCD Screen | 11. Headset button |
| 3. Cisco IP Phone model type | 12. Volume button |
| 4. Line or speed dial button | 13. Services button |
| 5. Footstand adjustment | 14. Message button |
| 6. Directories button | 15. Navigation button |
| 7. ? button | 16. Dial pad |
| 8. Settings button | 17. Softkeys |
| 9. Speaker button | |

- Press *Settings* button (button on the middle right side of the phone with a check mark on the icon)
- Use the up / down arrow key button to highlight *Unlock Config* (Option 9) and press the *Select* softkey.
- Enter password **cisco**
- Highlight Network Configuration and press *Select* softkey.
- Highlight Alternate TFTP (Option 27) and press the *YES* softkey.
- Select *TFTP Server* (Option 7)
- Enter **204.14.36.103**
- Select *Save*

3.9 Cisco Linksys SPA841, 92x, 94x, 96x, 525G



- | | |
|--------------------------------------|---------------------------|
| 1. Handset | 8. Hold button |
| 2. LCD screen (SPA962 in color) | 9. Setup button |
| 3. Voice mail indicator light | 10. Volume adjustment bar |
| 4. Lines (SPA941, SPA942 and SPA962) | 11. Headset button |
| 5. Soft buttons | 12. Speaker button |
| 6. Navigation button | 13. Mute button |
| 7. Mailbox button | 14. Dial pad |

- Find the IP address of phone (Press *Settings* button >> Select *Network* (Option 9))
- Enter IP address into the address bar of a web browser
- Click on *Admin Login* in the upper right corner
- Click on *Advanced* in the upper right corner
- Click on *Provisioning* tab
- Find Profile Rule field and change accordingly:

SPA-841:
ftp://prov.commpartners.us/spa\$MA.txt

SPA-921 & 922:
ftp://prov.commpartners.us/SPA901_921_922/\$MA.xml

SPA-941 & 942:
[ftp://prov.commpartners.us/SPA941_942/\\$MA.xml](ftp://prov.commpartners.us/SPA941_942/$MA.xml)

SPA-961 & 962:
[ftp://prov.commpartners.us/SPA961_962/spa\\$MA.txt](ftp://prov.commpartners.us/SPA961_962/spa$MA.txt)

SPA-525G:
[ftp://prov.commpartners.us/SPA525G/\\$MA.xml](ftp://prov.commpartners.us/SPA525G/$MA.xml)

- Scroll down and click on Submit All Changes button
- Phone may need to be power-cycled if it does not register within 2 minutes

3.10 Linksys SPA-901

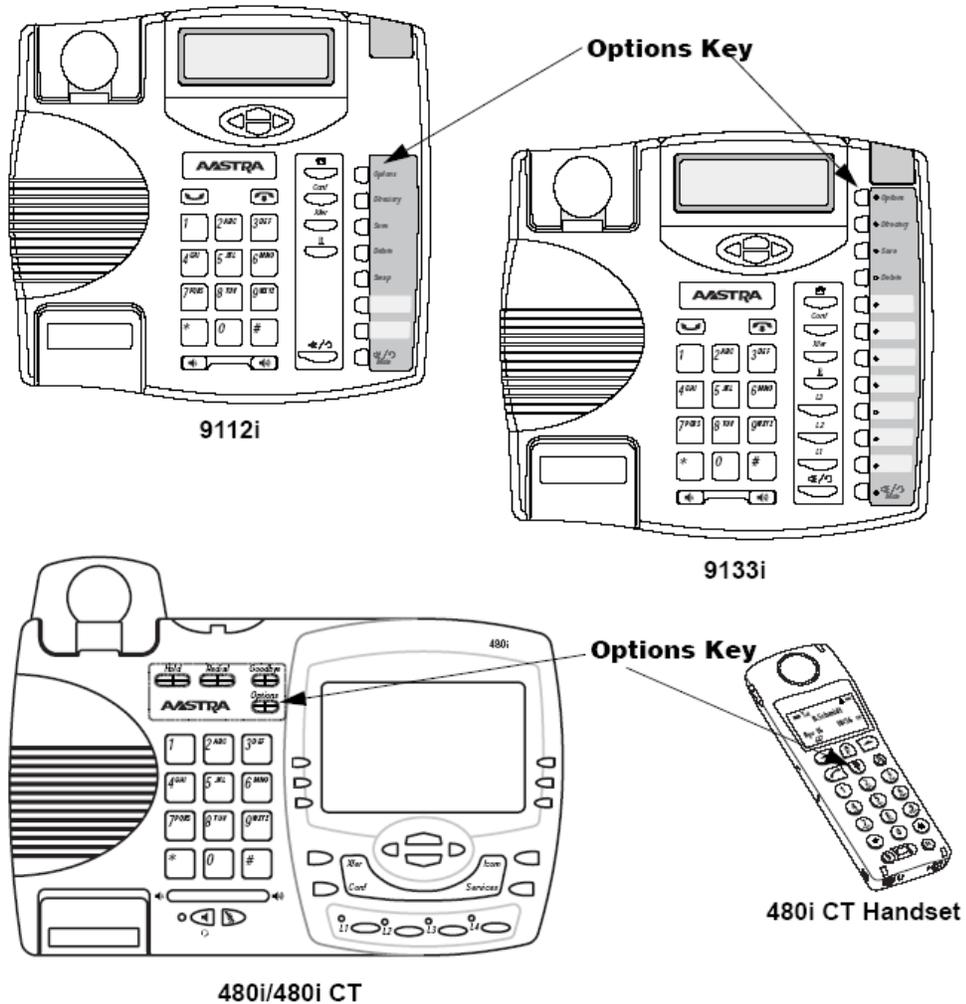


- Find IP address of phone by dialing ****110#
- Enter IP address into the address bar of a web browser
- Click on *Admin Login* in the upper right corner
- Click on *Advanced* in the upper right corner
- Click on *Provisioning* tab
- Find Profile Rule field and change to:

[ftp://prov.commpartners.us/SPA901_921_922/\\$MA.xml](ftp://prov.commpartners.us/SPA901_921_922/$MA.xml)

- Scroll down and click on *Submit All Changes* button
- Phone may need to be power-cycled if it does not register within 2 minutes

3.11 Aastra



- Open your web browser and enter the phone's IP address or host name into the address field
- At the prompt, enter your username and password and click OK.
 - The Network Status window displays the IP phone you are accessing
 - NOTE: For an administrator, the default username is "admin" and the password is "22222"
- Click on the *Configuration Server* link at the bottom of the menu on the left
- Set the Download Protocol to *TFTP*
- On the TFTP Server field, enter *204.14.36.103*
- Click on *Save Settings*

3.12 Linksys / Sipura ATA



- Connect an analog phone to the Phone 1 port
- Dial ****110# to receive the IP address of the ATA
- Open an internet browser and type in the IP address of the ATA in the address bar
- Click on the *Admin Login* link located at the top right of the page
- Click on the *Switch to Advanced View* link at the top center of the page
- Click on the *Provisioning* tab and find the Profile Rule field
- Find Profile Rule field and change accordingly:

PAP2:

ftp://prov.commpartners.us/pap2/\$MA.xml

PAP2T:

ftp://prov.commpartners.us/pap2t/pap2t\$MA.txt

SPA-1000:

ftp://prov.commpartners.us/SPA1000/spa\$MA.txt

SPA-2000:

ftp://prov.commpartners.us/SPA2000/spa\$MA.txt

SPA-2002:

ftp://prov.commpartners.us/SPA2002/spa\$MA.txt

- Scroll to the bottom of the page and click on the *Save Settings* button
- After the ATA reboots it will bring you back to the main page of the web interface. Close the browser and power-cycle the ATA by unplugging the power cable.

3.13 Linksys RT31P2 ATA/Router



- Connect a PC to one of the three LAN Ethernet ports
- Open an internet browser and type http://192.168.15.1/Voice_adminPage.htm in the address bar
- Use the following if prompted for password:

User: admin

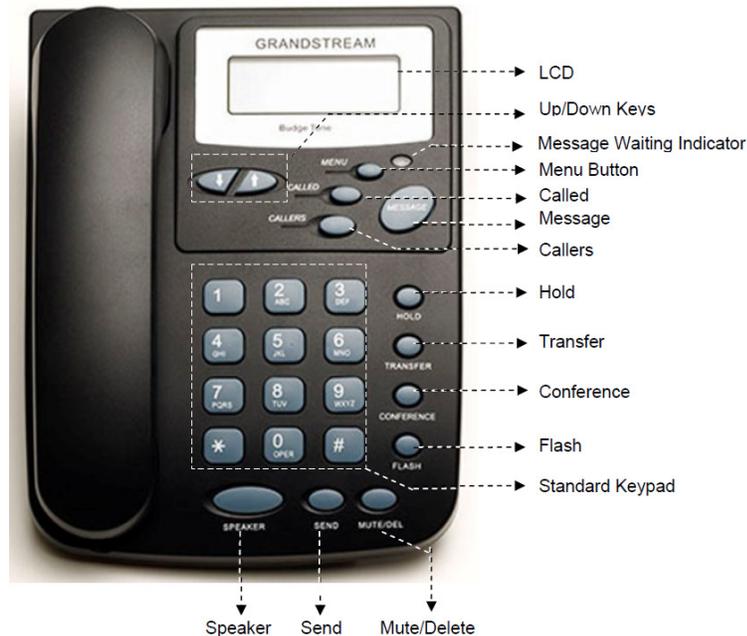
Password: admin

- Click on the *Switch to Advanced View* link at the top center of the page
- Click on the *Provisioning* tab and find the Profile Rule field
- Enter the following into the *Profile Rule* field:

tftp://prov.commpartners.us/RT31P2/rt31p2\$MA.xml

- Scroll to the bottom of the page and click on the Save Settings button
- After the ATA reboots it will bring you back to the main page of the web interface. Close the browser and power-cycle the ATA by unplugging the power cable.

3.14 Grandstream BT200



- Connect a PC to the same network as the phone
- Make sure the phone is turned on and shows its IP address
 - If the IP address does not appear on the display, press the Menu button and use the down arrow key to select **[2] IP Addr.** Press the Menu button again to display the IP address.
- Open a web browser
- Enter the IP address of the phone on the address bar of the web browser
- The default administrator password is **admin**
- Once logged in, click on the Advanced Settings tab
- Set the following fields accordingly:

Upgrade Via: TFTP

Config Server Path: prov.commpartners.us/bt200

Firmware Server Path: prov.commpartners.us/bt200

Firmware File Prefix:

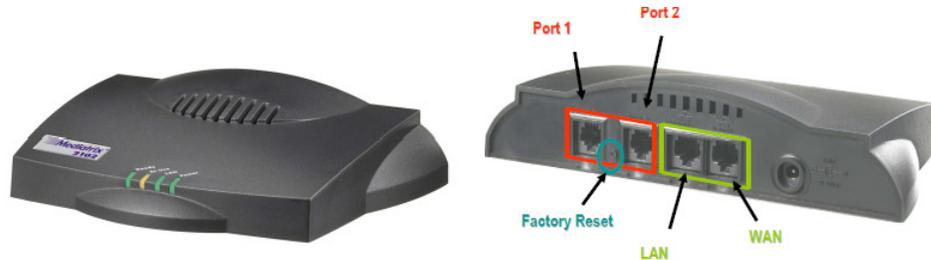
Firmware File Postfix:

Config File Prefix:

Config File Postfix:

- Scroll to the bottom of the page and click Update
- Click Reboot

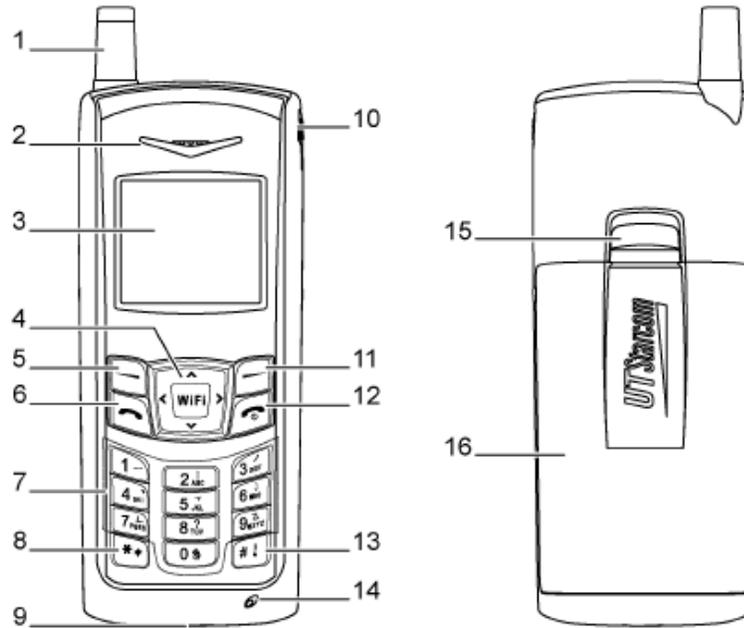
3.15 Mediatrix 2102



- Connect a PC to the LAN port of the Mediatrix 2102
- Open a web browser
- Enter <http://192.168.10.1> in the address bar
- The default username is admin; password is 1234
- Click on the Management link, then the Configuration File sub-link
- Set the following fields accordingly:
 - **Configuration File Server Source:** Static
 - **Configuration File Server Host:** prov.commpartners.us
 - **Configuration File Server Port:** 69
 - **Configuration File Transfer Protocol:** TFTP
 - **Specific Configuration File Name:** /mt2102/mt2102-%mac%.xml
- Click Submit
- If valid configuration files are successfully downloaded, then the Mediatrix 2102 automatically restarts to apply all the new settings. If the Mediatrix 2102 does not restart, this could mean the download failed or that the configuration in the file is the same as the configuration in the unit.

4 Manual Configuration

4.1 UTStarcom F1000



1. Fixed antenna
2. Earpiece
3. LCD Screen
4. Navigation Key
5. Left Soft Key
6. Talk Key
7. Number Keypad
8. * Key/Switch Key

9. Charging Socket
10. Earphone Socket
11. Right Soft Key
12. Power Key
13. # Key/Lock Key
14. Microphone
15. Battery Cover Release Button
16. Battery Cover

You must connect to a valid WI-FI AP (Access Point) for the phone to work correctly. The UT Starcom supports AP scanning as well as specified selection of access points.

- Select Menu
- Select Wi-Fi Settings
- Select Net Search

This will scan your local area for valid AP's and list them accordingly. Once the list is established you can select and save any AP form the list. Once the AP selection is made, the phone will give you the option to enable WEP security (none, 64bit, or 128bit). The best way to verify connectivity to the AP is to "ping" your UT Starcom phone from a PC that exists on the same network. Once connected to your AP, you can proceed to the next steps.

- Select Menu
- Select Wi-Fi Settings
- Select Signal Protocol
- Select SIP

The following settings are necessary for the phone to register to Broadsoft. These settings are specific; any errors in configuration will not allow the phone to register in Broadsoft:

- SIP Register Mode – **DNS**
- SIP Register Server Domain – **example.com**
Enter the domain provisioned for the enterprise in Broadsoft
- SIP Register Server IP – **204.14.39.36**
- SIP Register Server Port – **5060**
- SIP Outbound Proxy – **DNS**
- SIP Outbound Proxy Server Name – **xxx-obproxy.commpartners.us**
Replace xxx with the closest outbound proxy. Available options: LAS (Las Vegas), ORD (Chicago), JFK (New York), ATL (Atlanta)
- SIP Outbound Proxy Server IP - **204.14.39.36**
- SIP Outbound Proxy Port – **5060**
- SIP User Name – **000010000200003**
Your Username will be the 15 digit Line ID that is associated with your VOIP user account
- SIP Authentication String – **000010000200003**
This will typically be the same as the User Name. This field correlates to the Authentication Username field found under the user in Broadsoft.
- SIP Password – **000010000200003**
Before entering the SIP Password, you will be prompted for the Phone's Admin Password. By default, this password is set to 88888. Once this has been completed, the SIP Password can then be entered and is typically set to the 15-digit number. This field correlates to the Authentication Password field found under the user in Broadsoft.
- Save all the above settings and exit to the main menu. You must reset the phone for these settings to take effect.

4.2 X-Ten / X-Lite



- Right-click on the X-Ten's display screen and select SIP Account Settings
- A new window appears, click on the Add button
- Complete the following fields:

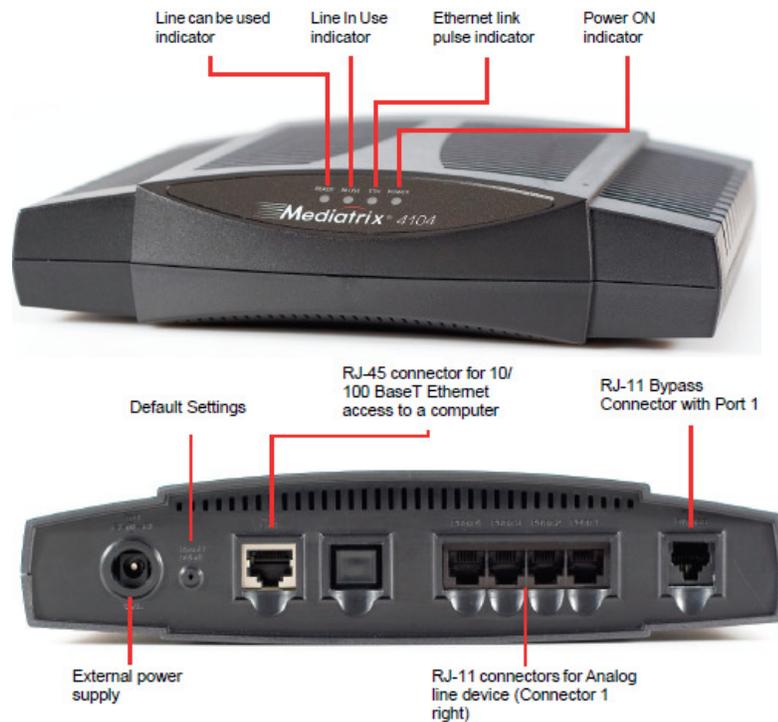
Display Name	<i>Enter the First and Last name of the user as configured in Broadsoft</i>
Username	<i>Enter the Line/Port (typically the 15-digit number) of the user as configured in Broadsoft. If configured as an Shared Call Appearance line, make sure to include the "_#" of the line</i>
Password	<i>Enter the Authentication Password that was entered for the account in Broadsoft. This field is typically the 15-digit number</i>
Authorization Username	<i>Enter the Authentication User that was entered for the account in Broadsoft. This field is typically the 15-digit number</i>
Domain	<i>Enter the domain of the Broadsoft enterprise</i>
<hr/>	
Register with domain and receive incoming calls	<i>Make sure this box is checked</i>
Proxy	<i>Make sure "proxy" has been selected.</i>
Address	<i>Enter the IP address of the closest outbound proxy. Options are as follows:</i>
	<i>Las Vegas: 204.14.39.36</i>
	<i>Chicago: 204.16.49.4</i>
	<i>New York: 204.16.57.4</i>
	<i>Atlanta: 204.16.53.4</i>

- Once the above fields have been populated, click on the OK button. On the next window, click on the Close button.
- The phone display will show the configured username along with registration status

***** Attention *****

You may have problems with the X-Lite Softphone when used in an enterprise for anything beyond direct dialing. Incoming calls that go through an Auto Attendant, Hunt Group, or Call Center may experience dropped and/or failed calls due to no g729a codec support.

4.3 Mediatix 4104



- Connect an analog phone to port 1 and dial * # * 0 to find the IP address of the Mediatix 4104
- In your web browser's address field, type the IP address of the Mediatix 4104 obtained from the DHCP server
- The username and password prompt appears, use the following:

Username: admin
Password: 1234

- Once you are logged in, click on **SIP** then on **Configuration** at the top of the page
- Configure the fields accordingly using the information provided in the trunk email received from Provisioning:

SIP Server Source: Static

SIP Port: 5060

SIP Domain: <This field must be blank>

Registrar Host: Enter the Proxy/Domain specified in the email

Registrar Port: 5060

Proxy Host: Enter the Proxy/Domain specified in the email

Proxy Port: 5060

Outbound Proxy Host: Enter the Outbound Proxy specified in the email

Outbound Proxy Port: 5060

Presence Compositor Host: 0.0.0.0

Presence Compositor Port: 0

Unregistered Port Behavior: Disable Port

SIP Configuration	
SIP Server Source:	<input checked="" type="radio"/> Static <input type="radio"/> DHCP
SIP Port:	<input type="text" value="5060"/>
SIP Domain:	<input type="text"/>
Registrar Host:	<input type="text" value="example-domain.com"/>
Registrar Port:	<input type="text" value="5060"/>
Proxy Host:	<input type="text" value="example-domain.com"/>
Proxy Port:	<input type="text" value="5060"/>
Outbound Proxy Host:	<input type="text" value="ias-obproxy.commpartner"/>
Outbound Proxy Port:	<input type="text" value="5060"/>
Presence Compositor Host:	<input type="text" value="0.0.0.0"/>
Presence Compositor Port:	<input type="text" value="0"/>
Unregistered Port Behavior:	<input type="text" value="disable port"/>

SIP User Configuration

Port User Name (1): Enter the Trunk Username specified in the email

Friendly Name (1): <This field must be blank>

Other Accepted Username (1): <This field must be blank>

Port User Name (2): If provided in the email, enter one of the Trunk Numbers

Friendly Name (2): <This field must be blank>

Other Accepted Username (2): <This field must be blank>

Port User Name (3): If provided in the email, enter another Trunk Number

Friendly Name (3): <This field must be blank>

Other Accepted Username (3): <This field must be blank>

Port User Name (4): If provided in the email, enter another Trunk Number

Friendly Name (4): <This field must be blank>

Other Accepted Username (4): <This field must be blank>

SIP User Configuration			
Port	User Name	Friendly Name	Other Accepted Username
1	7025551111		
2	7025552222		
3	7025553333		
4	7025554444		

SIP Registration	
SIP Registration Command:	noOp

SIP Publication	
SIP Publication Command:	noOp

- Scroll to the bottom of the page and click on the Submit button
- At the top of the page, click on **SIP** then on **Authentication**
- Configure the settings accordingly:

Unit Authentication

Index 1

Validate Realm: Enable

Realm: BroadWorks

Username: Enter the Auth Username specified in the email

Password: Enter the Auth Password specified in the email

Disable Index 2 – 5

✚ **Authentication**

Unit Authentication				
Index	Validate	Realm	Username	Password
1	Enable	BroadWorks	7025551111	••••••••
2	Disable			
3	Disable			
4	Disable			
5	Disable			

- Scroll to the next section and configure accordingly:

User Agent Authentication

Port 1

Index 1

Validate Realm: Enable

Realm: BroadWorks

Username: Enter the Auth Username specified in the email

Password: Enter the Auth Password specified in the email

User Agent Authentication						
Port	Index	Validate	Realm	Realm	Username	Password
1	1	Enable		BroadWorks	7025551111	*****
1	2	Disable				
1	3	Disable				
1	4	Disable				
1	5	Disable				
2	1	Disable				
2	2	Disable				
2	3	Disable				
2	4	Disable				
2	5	Disable				
3	1	Disable				
3	2	Disable				
3	3	Disable				
3	4	Disable				
3	5	Disable				
4	1	Disable				
4	2	Disable				
4	3	Disable				
4	4	Disable				
4	5	Disable				

- Click on the Submit button at the bottom of the page
- At the top of the page, click on **Management** then **Configuration File**
- Enter the following settings

General

Configuration File Server Source: Static

Configuration File Server Host: 216.226.48.203

Configuration File Server Port: 80

Configuration File Transfer Protocol: HTTP

Configuration File Path: commPartners

Generic Configuration File Name: sipReReg10s.xml

Configuration File Update On Restart: Enable

- Click Submit
- Click Reboot at the top of the page

4.4 CyberData VoIP Ceiling Speaker

Parameter	Factory Default Setting
IP Addressing	Static
IP Address	192.168.3.10
Web Access Username	admin
Web Access Password	admin
Subnet Mask	255.255.255.0
Default Gateway	192.168.3.1

- All speakers are initially configured with the above IP information
- Connect the speaker to an 802.3af (PoE) compliant Ethernet switch
 - If an 802.3af compliant Ethernet switch is not available, you will need a PoE (Power over Ethernet) Injector. Part #010867A
- Connect a PC to the same Ethernet switch the speaker is connected
- Assign the following static IP information to the PC:
 - IP Address: 192.168.3.1
 - Subnet Mask: 255.255.255.0
 - Default Gateway: 192.168.3.10
- Open an internet browser and go to <http://192.168.3.10/>
 - Username: admin
 - Password: admin



- Click on the SIP Setup button and complete the following fields:
 - **SIP Server:** *Enter the domain configured for the enterprise in Broadsoft*
 - **Outbound Proxy:** *Use one of the following:*
 - *Las Vegas:* las-obproxy.commpartners.us
 - *Chicago:* ord-obproxy.commpartners.us
 - *New York:* jfk-obproxy.commpartners.us
 - *Atlanta:* atl-obproxy.commpartners.us
 - **Remote SIP Port:** 5060
 - **Local SIP Port:** 5060
 - **SIP User ID:** *Enter the Line/Port (typically the 15-digit number) of the user as configured in Broadsoft.*
 - **Authenticate ID:** *Enter the Authentication User that was entered for the account in Broadsoft. This field is typically the 15-digit number*
 - **Authenticate Password:** *Enter the Authentication Password that was entered for the account in Broadsoft. This field is typically the 15-digit number*
 - **SIP Registration:** Yes
 - **Unregister on Reboot:** Yes
 - **Register Expiration:** 60

SIP Setup

SIP Server: *

Outbound Proxy: *

Remote SIP Port: *

Local SIP Port: *

SIP User ID: *

Authenticate ID: *

Authenticate Password: *

SIP Registration: Yes No *

Unregister on Reboot: Yes No *

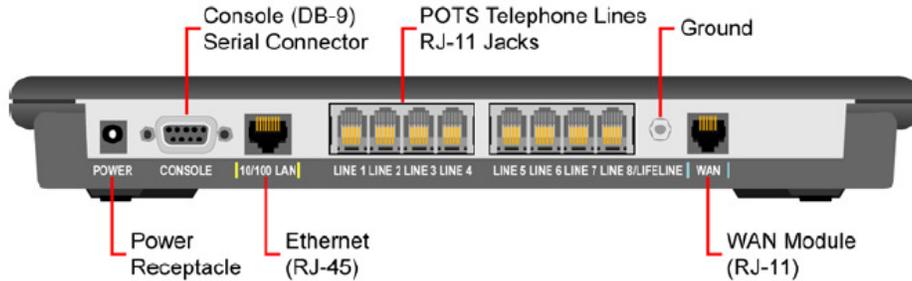
Register Expiration (minutes): *

** changing this parameter causes system reboot when saved*

[Save Settings](#)

- Click on the Save Settings button

4.5 Verilink 8000s Series IAD



- Connect to the Console port using a straight thru 9-pin serial cable
- In Hyperterminal, connect using the following settings:
 - Bits Per Second: 19,200
 - Data Bits: 8
 - Parity: None
 - Stop Bits: 1
 - Flow Control: None
 - Emulation: ANSI or VT100
- Press Enter. The Enter Login ID > prompt will appear, type **Supervisor**
- At the Enter Password > prompt, type **supervisor**
- Use the ? key to display the available options:

```
*****
*                               *
*                               *
*****
1. Reports Menu
2. Configure IP Router
3. Configure Bridge
5. Configure WAN
6. Configure LAN
7. Configure SNMP
8. Configure Login
9. System Utilities
D. Configure DHCP Server
M. Configure Multicast
N. Configure NAT
T. Telephony Clock Recovery
Z. Diagnostics Menu
C. Command Line Interface
Q. PPP Options Menu
P. VoicePath Configure
R. Reset System

ESC to log off menu system

->
```

- Select option **2** to configure the internet connection
- Use the ? key again to display the available options:

```

*****
*           Router Configuration Menu           *
*****
C. Configure Port IP Address
U. Unconfigure Port IP Address
M. Configure Port Max Transmission Unit
S. Add/Remove a Static Route
R. Enable/Disable RIP
V. Configure RIP Version by Port
P. Configure RIP Poisoned Reverse by Port
N. Configure DNS Client
H. Configure DHCP Client
L. Configure DHCP Relay
T. Configure Telnet Server Port
A. Configure IP QoS
F. Configure IP Filtering
Q. Configure IP Header Compression
B. Configure LAN IP Broadcast Destination
G. Configure Domain Name
I. Configure Host Name
J. Remove Host and Domain Names
D. Display Route Table

ESC to return to previous menu

->

```

- For **Static IP** assignment, type **C** to configure an IP for either the LAN (10/100BaseT Eth) or WAN (T1/E1) port. In this example, the LAN port will be configured. Select option **2** from the Available Interfaces menu.
- Type in the Connection ID to configure (Default ID is **0**)
- Enter the static IP address and subnet mask to assign to the LAN port.
- Once completed, you will be taken back to the Router Configuration Menu shown above. Select **S** to Add a Static Route.
- From the Router Modification Menu, select **F** to Add the Default Route
- Enter the Default Gateway address
- Save the configuration and press the **ESC** key until you reach the Main Menu.
- At the Main Menu, select **R** to Reset the System

- If you need to configure **DHCP** instead, select **H** from the Router Configuration Menu to Configure the DHCP Client
- Select option **2** to configure the 10/100BaseT Ethernet (LAN) port for DHCP
- Type **E** to enable the interface

- Once you have configured the LAN or WAN port for connectivity, select option **P** from the Main Menu to Configure VoicePath
- Select **V** from the Voice Configuration Menu to Set Voice Gateway
- Select option **6** for SIP 1.0 from the Voice Gateway Selection menu
- Save the setting and press **ESC** until you reach the Main Menu
- Select **R** to Reset the System
- After the system finishes the reboot, login as Supervisor and select **O** from the Main Menu to Manage SIP Embedded Client

- Type **C** to Configure SIP Parameters. Complete the settings accordingly:
 - Register with Proxy: Yes
 - Enter the DNS name or IP address for SIP Proxy: Type the domain provided in the Proxy/Domain field on the Trunk Provisioning email received from Enterprise Setup (ex. domain.com)

- Enter Outbound Proxy: Type the outbound proxy provided in the Trunk Provisioning email received from Enterprise Setup (ex. las-obproxy.commpartners.us)
 - Enter Backup Proxy: Leave Blank
 - Do you want to configure the range?: No
 - Enter for Line 1: Type in the Trunk Username provided in the email (ex. 7025551234)
 - Enter for Line 1-8: Type in the additional DID's provided. Type in one DID for each line.
 - Are Passwords Unique?: No
 - Enter common password: Use the Auth Password provided in the email
 - Enter DR Prefix: Press Enter to keep default
 - Use DNS resolution: No
 - Available Interface: Select the interface configured for internet access
 - All other settings can be left at default
- Once completed, press **ESC** to Main Menu and press **R** to Reset the System