

PROGRAMMING THE GRANDSTREAM ATA

PROGRAMMING THE CISCO SPA122

1 Connect power to the ATA. Connect an Ethernet cable from the Internet port to a network device (switch or router) behind the iDirect modem. The Internet light will turn green when the ATA has been connected properly.



2 Connect an Ethernet cable from the Ethernet port to your PC. Make sure that your PC is set to automatically receive an IP address.



3 Log in to the ATA by typing **192.168.15.1** into the address bar of your internet browser. Enter the default credentials (shown below) and click on **Log In.**

Password	admin		
192.168.15.1			
cisco	Phone Adapter Configuration Utility Version 1.3.2 (014)	Usemanne: gdmin Passwort: Log In Poss	mber Username







Click on the **Pencil Icon** nest to the username **admin**.

User List		
Username	Level	_
admin	Admin	1
cisco	User	-

Enter the following in	formation:		
Old Password:		admin	
New Password:		C0nn3cT1ng Th3 Pl8n3t	
Confirm New Passwor	rd:	C0nn3cT1ng Th3 Pl8n3t	
	Username: Old Password: New Password: Confirm New Password: Level: Submit Cancel	admin	

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Click on Web Access Management.





Under Remote Access, change Remote Management to Enabled and then click Submit.

Web Access				
Admin Access:	· Enabled	O Disabled		
Web Utility Access:	И нттр	HTTPS		
Remote Access				
Remote Management	* Enabled	Oisabled		
Web Utility Access:	* HTTP	HTTPS		
Remote Upgrade:	C Enabled	Disabled		
Allowed Remote IP Address:	* Any IP Ad	dress		
	00	0 0	.0	to 0
Remote Management Port	80			





Under SIP Timer Values (sec)

- 1. Change **SIP T1** to read **3**
- 2. Change **SIP T4** to read **8**

3. Change **Reg retry long interval** to **30**

SIP T1:	3	SIP T2:	4
SIP T4:	8	SIP Timer B:	32
SIP Timer F:	16	SIP Timer H:	32
SIP Timer D.	32	SIP Timer J:	32
INVITE Expires:	240	ReINVITE Expires:	30
Reg Min Expires:	1	Reg May Evolves	7200
Reg Retry Intvi:	30	Reg Retry Long Intvl:	30
Reg Retry Random Delay:	0	Reg Retry Long Random Delay:	0

Under RTP Parameters

Change the RTP Packet Size to read .020

RTP Parameters				
RTP Port Min:	16384	RTP Port Max:	16482	
RTP Packet Size:	0.020	RTP Tx Packet Size Follows Remote SDP:	yes 🔻	
Max RTP ICMP Err:	0	RTCP Tx Interval	0	
No UDP Checksum:	no 🔻	Stats In BYE:	yes 🔻	

B

Click on Provisioning





Under Configuration Profile

- 1. Change the **Resync Error Retry Delay** to read **30**
- 2. Change the **Resync Periodic** to read **7200**
- 3. Change the **Forced Resync Delay** to read **5**

Provision Enable:	yes 🔻	Resync On Reset:	yes 🔻
Resync Random Delay:	2	Resync At (HHmm):	
Resvnc At Random Delay:	600	Resync Periodic:	7200
Resync Error Retry Delay:	30	Forced Resync Delay:	5



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Under Network Settings

Change the Network Jitter Level to read Very High

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:	very high 🔻	Jitter Buffer Adjustment:	yes 🔻	

Under **Proxy and Registration**

- 1. Enter the **Proxy** to read **162.255.244.66**
- 2. Change **Ans call without reg** to **Yes**
- 3. Change **Make call without reg** to **Yes**

Proxy and Registration			
Proxy:	162.255.244.66		
Outbound Proxy:			
Use Outbound Proxy:	no 🔻	Use OB Proxy In Dialog:	yes 🔻
Register:	yes 🔻	Make Call Without Reg:	yes 🔻
Register Expires:	3600	Ans Call Without Reg:	yes 🔻
Use DNS SRV:	no 🔻	DNS SRV Auto Prefix:	no 🔻
Proxy Fallback Intvt	3600	Proxy Redundancy Method:	Normal
Mailbox Subscribe URL:		Mailbox Subscribe Expires:	2147483647



Under Subscriber Information

- 1. For **Display Name**, enter the extension number (see next page)
- 2. For **User ID**, enter the extension number (see next page)
- 3. For **Password**, copy the SIP password (see next page)

bscriber Informatio	n		
Display Name:	120	User ID:	120
Password:	34io57yhwFh	Use Auth ID:	no 🔻
with ID:		Resident Online Number:	
SIP URI:			

IV Under Supplementary Service Subscription

- 1. Change all **Cfwd Services** to **No**
- 2. Change the **Call Back Service** to **No**

upplementary Service Subs	cription	
Call Waiting Serv:	yes 🔻	Block CID Serv:
Block ANC Serv:	yes 🔻	Dist Ring Serv:
Cfwd All Serv:	no 🔻	Cfwd Busy Serv:
Cfwd No Ans Serv:	no 🔻	Cfwd Sel Serv:
Cfwd Last Serv:	no 🔻	Block Last Serv:
Accept Last Serv:	yes 🔻	DND Serv:
CID Serv:	yes 🔻	CWCID Serv:
Call Return Serv:	yes 🔻	Call Redial Serv:
Call Back Serv:	no 🔻	Three Way Call Serv:
Three Way Conf Serv:	yes 🔻	Attn Transfer Serv:
Unattn Transfer Serv:	yes 🔻	MWI Serv:
/MWI Serv:	yes 🔻	Speed Dial Serv:
Secure Call Serv:	yes 🔻	Referral Serv:
eature Dial Serv:	yes 🔻	Service Announcement Serv:
Reuse CID Number As Name:	yes 🔻	CONFCID Serv:

V Under Audio Configuration

Change the Preferred Codec to read G729a

Preferred Codec:	G729a 🔻	Second Preferred Codec:	G729a
Third Preferred Codec:	G729a 🔻	Use Pref Codec Only:	no 🔻
Jse Remote Pref Codec:	no 🔻	Codec Negotiation:	Default •
3729a Enable:	yes 🔻	Silence Supp Enable:	no 🔻
G726-32 Enable:	no 🔻	Silence Threshold	medium

D

E

If configuring a second Line, click on the **Line 2** tab and repeat steps under 5c.

Click **Submit** when all steps have been completed.



	Extension	Password	Phone Number
Line 1			
Line 2			

- To check a line's voicemail dial *97 from that line and enter the password: 1234
- Using the IVR for Administration:
 - 1. Connect an analog phone to the Phone port of the ATA.
 - 2. Press the star key four times: ****
 - 3. After the greeting plays, press the keys on the phone keypad to select your options.
 - 4. Enter the code for the desired action. See the IVR Actions list below for commands:
 - Check Internet Connection: 100
 - Set Internet Connection Type: 101

DHCP: 0

Static IP: 1

PPPoE: Press 2

PPPoE, DHCP: Press 3

DHCP, PPPoE: Press 4

- Check Internet IP Address (WAN port): 110
- Set Static IP Address (WAN): 111

Enter the IP address by using numbers on the telephone keypad.

Use the * (star) key when entering a decimal point.

Note: This option is available only after you choose Static IP as the Internet Connection Type, through option 101



- Check Network Mask: 120
- Set Network Mask: 121

To enter the value, press numbers on the telephone keypad. Press the *(star) key to enter a decimal point. Note: This option is available only after you choose Static IP as the Internet Connection Type, through option 101.

- Check Gateway IP Address: 130
- Set Gateway IP Address131

To enter the value, press numbers on the telephone keypad. Press the *(star) key to enter a decimal point. Note: This option is available only after you choose Static IP as the Internet Connection Type, through option 101.

- Check MAC Address140
- Check Firmware Version150
- Check Primary DNS Server Setting160
- Set Primary DNS Server161

To enter the value, press numbers on the telephone keypad. Press

the *(star) key to enter a decimal point. Note: This option is available

only after you choose Static IP as the Internet Connection Type,

through option 101.

- Check Internet web server port170
- SPA122 only: Check LAN IP address (Ethernet port)210
- Announce Line 1 SIP Transport: 1910
- Set Line 1 SIP Transport 1911
 - 0: UDP
 - 1: TCP
 - 2: TLS



- Check Line 2 SIP Transport 1920
- Set Line 2 SIP Transport1921

0: UDP

1: TCP

2: TLS

- Exit IVR3948
- Allow or prevent WAN access to the administration web server7932

1: Enable

0: Disable

Factory Reset of Unit. WARNING: All non-default settings will be lost. This includes network

and service provider data: 73738 RESET

When prompted, press 1 to confirm, or press * (star) to cancel. After

you hear "Option successful," hang up the phone. The ATA reboots.

• Reboot of Voice System: 732668 REBOOT

After you hear "Option successful," hang up the phone. The ATA reboots.

• User Factory Reset of Unit. WARNING: All user-changeable non-default settings will be lost.

This may include network and service provider data: 877778

When prompted, press 1 to confirm, or press * (star) to cancel. After you

hear "Option successful," hang up the phone. The ATA reboots.

