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Configuration Guide
for the
Cisco ATA 186

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INTRODUCTION

This Configuration Guide will outline the steps for configuring the CISCO® ATA 186 Analog Telephone Adaptor (ATA) for calling using the 7nanotech service.

For more details on installing or configuring the ATA, please review the User's Guide, located at:

<http://www.cisco.com/univercd/cc/td/doc/product/voice/ata/index.htm>

For release notes on the SIP 3.1.0 firmware, please review the Release Notes, located at:

http://www.cisco.com/univercd/cc/td/doc/product/voice/ata/atarn/atarn3_1.htm

REQUIREMENTS

- y Connection to a broadband Internet Service Provider (ISP) or Local Area Network (LAN).
- y An account number and passcode for each 7nanotech phone port.
(If you do not have an account number or passcode, please contact your local reseller.)
- y Any conventional analog telephone.
- y A Cisco ATA with firmware version 3.1.0 or higher.
- y A PC connected to the same network as the ATA. (For initial configuration steps only.)

SET UP YOUR ATA

To set up your ATA:

1. Connect the ATA to your Ethernet port by plugging one end of an Ethernet cable (RJ-45) into the back of the ATA and the other end into a broadband router or **LAN** port.
2. Connect your telephone into the ATA by plugging a standard RJ-11 telephone cable from your phone into the ATA's **Phone1** port.

To connect another telephone, plug a standard RJ-11 telephone cable from the second phone into the ATA's **Phone2** port.

3. Power on the ATA by plugging its power supply into an AC outlet and then plugging the power cable into the power supply port on the back of the ATA. The ATA will power on, and the button on top of the ATA will begin to blink.

CONFIGURE AN IP ADDRESS

In order to properly set up your Freedubai account and network settings, your ATA must be assigned an IP address.

Your ATA's IP address can be dynamic (DHCP) or static. To configure your ATA for DHCP, continue to the next section, DHCP Configuration. To configure your ATA with a static IP address, skip to the Static IP Configuration section on page 2.

CONFIGURE THE ATA TO USE DHCP

To configure your ATA to use DHCP:

1. Pick up the handset of the phone connected to the ATA, and then press the button on top of the ATA. The system announces, "Configuration Menu. Enter menu number followed by the # key "
2. Press **20#** on the phone's keypad to access the DHCP menu. The system announces, "Enter value."
3. Press **1#** to enable DHCP. The system announces, "You entered '1.' To change, press 1; to review, press 2; to save, press 3; to review your saved value, press 4; or press the pound key (#) to exit."
4. Press **3** on the phone's keypad to save the settings. The system announces, "Value saved. Configuration Menu "
5. Place the phone's handset back on the phone to hang up. The light on top of the device will flash red for a second.

Note: If the ATA continues to flash the red light for more than two minutes, it is not connected to a DHCP server. Configure the ATA with a static IP address instead. Refer to the Static IP Configuration section on page 2.

6. To confirm the IP address assigned to the ATA, pick up the handset of the phone connected to the ATA, and then press the button on top of the ATA. The system announces, "Configuration Menu. Enter menu number followed by the # key "
7. Press **80#** on the phone's keypad to hear the IP address. When the system announces the ATA's IP address, write it down.

Note: To repeat the IP address announcement, press 80# again.

Note: If the system announces the IP address as "0.0.0.0," there could be two possible causes. The first possibility is that the network to which the ATA is connected does not have a DHCP server. If this is the case, skip to the Static IP Configuration section on page 2. The second possibility is that the DHCP server has been unable to assign an IP address to the ATA. If that is the case, notify your network administrator of the problem.

8. Place the phone's handset back on the phone to hang up. To continue configuring the ATA for 7nanotech, skip to the **Configuring Account and Network Settings** section on page 4.

CONFIGURE THE ATA TO USE STATIC IP ADDRESSING

To configure the ATA with a static IP address:

1. Contact your Internet Service Provider (ISP) or IT Administrator, and obtain the following information:
 - f* IP address
 - f* Default Gateway address
 - f* Subnet Mask address
 - f* Primary DNS Server address
 - f* Secondary DNS Server address (optional)

2. Pick up the handset of the phone connected to the ATA, then press the button on top of the ATA. The system announces, "Configuration Menu. Enter menu number followed by the # key "
3. Press **20#** on the phone's keypad to access the DHCP menu. The system announces, "Enter value."
4. Press **0#** on the phone's keypad to disable DHCP. The system announces, "You entered '0.' To change, press 1; to review, press 2; to save, press 3; to review your saved value, press 4; or press the pound key (#) to exit."
5. Press **3** on the phone's keypad to save the settings. The system announces, "Value saved. Configuration Menu "
6. Press **1#** on the phone's keypad to access the IP address menu. The system announces, "Enter value."
7. Using the phone's keypad, enter the IP address. To enter the dots (.), use the star key (*) key (e.g., to enter the IP address 000.00.000.00, you would press **000*00*000*00**). When you are done entering the address, press the pound (#) key.

For example, press **000.00.000.00#** to enter the IP address "000.00.000.00."

The system announces, "You entered 'xxx.xxx.xx.xxx' (where xxx.xxx.xx.xxx is your IP address). To change, press 1; to review, press 2; to save, press 3; to review your saved value, press 4; or press the pound key (#) to exit."

8. Press **3** on the phone's keypad to save the settings. The system announces, "Value saved. Configuration Menu "
9. Press **2#** on the phone's keypad to access the Default Gateway menu. The system announces, "Enter value."
10. Using the phone's keypad, enter the default gateway address To enter the dots (.), use the star key (*) key. When you are done entering the address, press the pound (#) key. The system announces, "You entered 'xxx.xxx.xx.xxx' (where xxx.xxx.xx.xxx is your default gateway). To change, press 1; to review, press 2; to save, press 3; to review your saved value, press 4; or press the pound key (#) to exit."
11. Press **3** on the phone's keypad to save the settings. The system announces, "Value saved. Configuration Menu "
12. Press **10#** on the phone's keypad to access the Subnet Mask menu. The system announces, "Enter value."
13. Using the phone's keypad, enter the subnet mask address. To enter the dots (.), use the star key (*) key. When you are done entering the address, press the pound (#) key. The system announces, "You entered 'xxx.xxx.xx.xxx' (where xxx.xxx.xx.xxx is your subnet mask). To change, press 1; to review, press 2; to save, press 3; to review your saved value, press 4; or press the pound key (#) to exit."
14. Press **3** on the phone's keypad to save the settings. The system announces, "Value saved. Configuration Menu "
15. Press **916#** on the phone's keypad to access the primary DNS server menu. The system announces, "Enter value."
16. Using the phone's keypad, enter the primary DNS server address. To enter the dots (.), use the star key (*) key. When you are done entering the address, press the pound (#) key. The system

announces, "You entered 'xxx.xxx.xx.xxx' (where xxx.xxx.xx.xxx is your primary DNS server address). To change, press 1; to review, press 2; to save, press 3; to review your saved value, press 4; or press the pound key (#) to exit."

17. Press **3** on the phone's keypad to save the settings. The system announces, "Value saved. Configuration Menu "
18. If there is a secondary DNS server on your network, press **917#** on the phone's keypad to access the secondary DNS server menu. The system announces, "Enter value."
19. To enter and save the secondary DNS server address, follow the instructions in steps 16 and 17.
20. Press **3** on the phone's keypad to save the settings. The system announces, "Value saved. Configuration Menu "
21. Place the phone's handset back on the phone to hang up.

CONFIGURE THE ATA'S ACCOUNT AND NETWORK SETTINGS

In order to be able to place calls, the ATA must be configured with the appropriate 7nanotech account and network settings.

To enter the configuration parameters via the Web Configuration page:

1. Pick up the handset of the phone connected to the ATA, and then press the button on top of the ATA. The system announces, "Configuration Menu. Enter menu number followed by the # key "
2. Press **80#** on the phone's keypad to hear the IP address. When the system announces the ATA's IP address, write it down.
3. Launch a Web browser, and in the **Address** bar, enter **http://** + the ATA's IP address + **/dev**. For example, if the ATA's IP address were 000.00.000.00, you would enter **http://000.00.000.00/dev** in the browser's **Address** bar.
4. Enter the information as it appears in the Cisco ATA 186 Web Configuration table below. When you are finished, click the **Apply** button to save the settings. The ATA will reboot.
5. Click the **Click here to reload** link to display the updated settings on the Web page.

The ATA is now ready to place and receive calls.

The shaded values denote required fields.

CISCO ATA 186 WEB CONFIGURATION			
UIPassword		ToConfig	0
UseTftp	0	TftpURL	0
CfgInterval	3600	EncryptKey	0
Dhcp	1	StaticIP	10.1.1.108
StaticRoute	10.1.1.1	StaticNetMask	255.255.255.0
UID0	NOPHONE	PWD0	Passcode for 7nanotech account number for line 1.
UID1	NOPHONE1	PWD1	Passcode for 7nanotech account number for line 2. If only using line 1, leave blank (0).
GkOrProxy	sip.sipvoice.info	Gateway	0
GateWay2	0.0.0.0	UseLoginID	1
LoginID0	7nanotech account number.	LoginID1	7nanotech account number. If only using Port 1, leave blank (0).
AltGk	0	AltGkTimeOut	0
GkTimeToLive	300	GkId	.
UseSIP	1	SIPRegInterval	300
MaxRedirect	5	SIPRegOn	1
NATIP	0.0.0.0	SIPPort	5060
MediaPort	10000	OutBoundProxy	0
NatServer	0	NatTimer	0x00000000
LBRCcodec	0	AudioMode	0x00150015
RxCodec	0	TxCodec	0
NumTxFrames	1	CallFeatures	0xFFFFFF
PaidFeatures	0x00000000	CallerIdMethod	0x00019e60
CallWaitCallerId	0x003c33d0	Polarity	0x00000000
ConnectMode	0x00060400	AutMethod	0x00000002
TimeZone	17	NTPIP	0.0.0.0
AltNTPIP	0.0.0.0	DNSIP	0.0.0.0
DNSIP	0.0.0.0	UDPTOS	0x000000a0
SigTimer:	0x01418564	OpFlags	0x00000002
Nprmtu	0.0.0.0	TraceFlags	0x00000000
RingOnOffTime	2,4,25	IPDialPlan	1
DialPlan	#t911[*St4- #St4- 911 1>#t8.t9t2- 0>#t811.rat4- ^1t4>#.-	DialTone	2,31538,30831,3100,3885,1,0,0,1000
BusyTone	2,30467,28959,1191,1513,0,4000,4000,0	ReorderTone	2,30467,28959,1191,1513,0,2000,2000,0
RingBackTone	2,30831,30467,1943,2111,0,16000,3200,0	CallWaitTone	1,30831,0,5493,0,0,2400,2400,4800
AlertTone	1,30467,0,5970,0,0,480,480,1920	CallCmd	At;AH;BS;NA;CS;NA;DT;EB;FT;EP;Kf;EFh;HQ;Jf;AFh;HQ;I*67;gA*82;fA#90v#;OI;H#72v#;bA#74v#;cA#75v#;dA#73;eA*67;gA*82;fA*70;IA*69;DA*99;xA;Uh;GQ;

PLACE CALLS TO A TELEPHONE OUTSIDE THE NETWORK

To place a call to a telephone outside the 7nanotech network:

1. Pick up the handset of the phone connected to the ATA, and confirm that there is a dial tone.
2. Dial the phone number you would like to call. Press the pound key (#) to send the call immediately. Otherwise, the call will be sent in four seconds.

TYPE OF CALL	DIAL PATTERN
Domestic calls (within the US)	1 + area code + 7-digit telephone number
International calls (placed from the US)	011 + country code + city code + telephone number
Calling from outside the US to the US	1 + area code + 7-digit telephone number
Calling from outside the US	011 + country code + city code + telephone number

3. When the call is complete, place the phone's handset back on the phone to hang up.
4. If you would like to make another call, pick up the handset of the phone connected to the ATA, and repeat steps 1 through 3.