

Application Note



Product: Analog VoIP Gateway (AA50)

Purpose: Configuration Guide for Freeset IP-DECT

Date: December 1, 2009

Analog VoIP Gateway (AA50) Configuration Guide Ascom Freeset IP-DECT System

Introduction

This document outlines the necessary steps and guidelines to optimally integrate the Ascom Freeset IP-DECT System with the Analog VoIP Gateway (AA50).

This guide should be used in conjunction with the appropriate installation and operation manuals and is intended for someone knowledgeable about the configuration of Ascom systems.

The Analog VoIP Gateway (AA50) provides telephony interworking with a PBX utilizing analog station ports. The Analog VoIP Gateway manages device registration and up to 8 FXO ports interfaced toward a PBX. A Freeset handset is dedicated to a single FXO port, thus each Analog VoIP Gateway provides connectivity for up to 8 Freeset handsets. In a system where greater than 8 FXO ports are needed, 1 Analog VoIP Gateway serves as the main unit, managing up to 48 Freeset handsets. Additional Analog VoIP Gateways (up to 5 + main) can be interworked, each providing 8 FXO ports, as desired.

The steps, screen shots, and command line syntax depicted throughout this document are based upon Analog VoIP Gateway (AA50) software version 1.3.0.5.

Analog VoIP Gateway (main unit) Configuration

The following instructions will outline how to configure the AA50 to provide interworking between the Ascom Freeset handsets and a PBX. The instructions assume that the unit(s) is physically installed, according to the installation manual, and accessible on the network.

1. With a compatible web browser, navigate to the unit's WebGUI. With a PC directly connected to the unit's LAN ports (1-4), the default web address is 192.168.69.1.
2. At the login screen, login with the default username and password (admin / password). Once logged in, it will force you to change the default password. It's recommended to set the default password to 'changeme', as this is the default password in the standard configuration.
3. Navigate to the 'Backup' tab and upload the latest standard Freeset main unit configuration file. If needed, please contact your supplier for the latest configuration file.

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4. After the unit restarts, navigate to the 'Networking' tab and click the WAN link. Set the desired static IP Address and appropriate SUBNET and Gateway addresses. The WAN port is the interface that shall interconnect to the corporate LAN. Ensure that 'Enable GUI on WAN Interface' is checked. Click the 'Save' button when completed. A restart is needed to activate the new networking parameters.
5. If Message Waiting Indications are to be detected by the AA50 FXO ports and transmitted to the assigned handset, then the following steps are necessary.
 - a. Navigate to 'Configure Hardware'. The standard configuration includes MWI configuration with NEON detection. However, the 'Neon MWI voltage Level' parameter might need to be adjusted depending on the particular PBX connected.
 - b. If changes are made, click 'Update Settings'. Once saved, click the 'Apply Changes' button. A restart is needed to activate the MWI system parameters.

Please note: The MWI system parameters shall be enabled before any Users or Trunks are configured.

6. Navigate to the 'Options' tab and select 'General Preferences'. Set the desired extension preferences. When completed, press 'Save'.
7. If multiple AA50's are needed (to support > 8 handsets), then a VoIP Trunk must be provisioned for each user that is mapped to the additional unit(s). Navigate to the 'Trunks' tab. The standard configuration includes a VoIP Trunk for Unit 2, port 1 (Voice-Unit2-Port1) and should be modified accordingly. If multiple units are not needed, delete the preconfigured VoIP trunks. Follow the steps below to add additional Outgoing Calling Rules for Users 10 and beyond.
 - a. On the 'Trunks' tab, click the 'VoIP Trunks' button.
 - b. Click 'New SIP/IAX Trunk' button.
 - c. Enter the following information:
 - i. Select 'IAX' as the trunk type
 - ii. Provide a descriptive Provider Name (i.e. "Voice-Unit2-Port2" for Unit 2 Port 2)
 - iii. Set Hostname to the IP address of the additional unit (i.e. 172.20.96.187, is the IP Address of Unit 2)

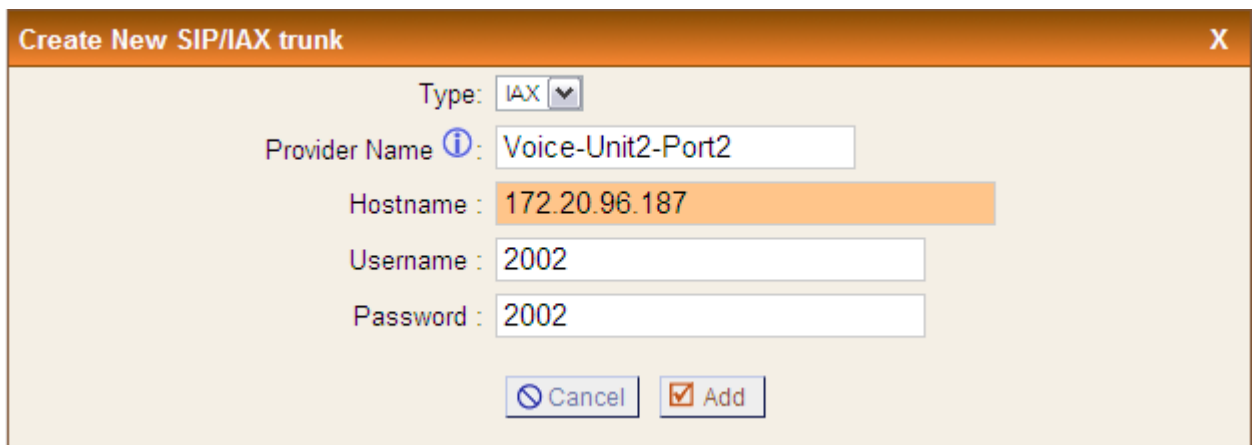
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- iv. Set Username to the username as defined on the secondary unit (i.e. 2002 for Voice-Unit2-Port2).
- v. Set Password to the password as defined on the secondary unit for that user (i.e. 2002).
- vi. Click 'Add'.



- d. Repeat the above steps for each needed User on each additional unit.
8. Navigate to the 'Outgoing Calling Rules' tab. The standard configuration includes the Calling Rules for User 1 (CR1) – User 9 (CR9). The Calling Rule routes all matched number series and routes it out the mapped FXO port (i.e. User 1 to Port 1, User 2 to Port 2, etc.). Ensure that the standard outgoing calling rules will be sufficient for this particular deployment. If not, modify accordingly.

Please note: The standard calling rules allow pre dial only. If post dialing is also needed, the specific dialing rules will need to be included in each Dial Plan (i.e. 9+7digit, 9+10 digit, etc.).

Follow the steps below to add additional Outgoing Calling Rules (User 10, 11, etc.).

- a. Click 'New Calling Rule' button
- b. Enter the following information:
 - i. Provide a descriptive Calling Rule name (i.e. CR10 for User 10 Calling Rule)
 - ii. Enter desired pattern (i.e. "_X!" matches all calls)
 - iii. Select the desired trunk (i.e. Voice-Unit2-Port1)

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iv. Click 'Save'

Calling Rule Name ⓘ : CR9

Pattern ⓘ : _X!

Send to Local Destination ⓘ

Destination : [dropdown]

Send this call through trunk:

Use Trunk ⓘ Voice-Unit2-Port1 [dropdown]

Strip ⓘ [input] digits from front

and Prepend these digits ⓘ [input] before dialing

Use FailOver Trunk ⓘ :

fail over Trunk ⓘ [dropdown]

Strip ⓘ [input] digits from front

and Prepend these digits ⓘ [input] before dialing

[Cancel] [Save]

9. Navigate to the 'Dial Plans' tab. The standard configuration includes the Dial Plans for User 1 (DP1) – User 9 (DP9). The Dial Plan includes the associated Calling Rule for each user (i.e. DP1 to CR1, DP2 to CR2, etc.). Ensure that these standard Dial Plans will be sufficient for this particular deployment. If not, modify accordingly. Follow the steps below to add additional Dial Plans (DP10, DP11, etc.)

- a. Click the 'New DialPlan' button
- b. Provide a descriptive name (i.e. DP10 for User 10)
- c. Select the corresponding Calling Rule (CR10 for DP10) for outgoing calling
- d. Click 'Save'

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Create New DialPlan X

DialPlan Name:

Include Outgoing Calling Longdistance IAXTEL Local_AreaCode International Local_7_digits Emergency CR1 CR2
Rules: CR3 CR4 CR5 CR6 CR7 CR8 CR9

Include Local Contexts: default parkedcalls conferences ringgroups voicemenus queues voicemailgroups directory
 pagegroups page_an_extension

10. Navigate to the 'Users' tab. Follow the steps outlined below to create desired users.

a. On the 'Users' tab, click 'Create New User'.

b. Fill in the following parameters:

- Extension
- Name
- Select the designated Dial Plan (i.e. DP1 for User 1, DP2 for User 2, etc.)
- Caller ID
- Enable Voicemail for this user (if MWI notification is required)
- Enable SIP only
- Set First Codec Preference to 'u-law'
- Set SIP/IAX Password (if provisioned)
- Disable 'Can Reinvite'
- Set DTMF mode as 'RFC2833'.
- Enable 3-way Calling
- Enable Call Waiting

c. When completed, press 'Update'.

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d. Repeat the above steps for each desired user.

11. Navigate to the 'Incoming Calls' tab. Follow the steps outlined below to create incoming call rules for desired users.

a. On the 'Incoming Calls' tab, click the 'New Incoming Rule' button.

b. Select the desired Trunk (AT1 for User 1, AT2 for User 2, Voice-Unit2-Port1 for User 9, etc.)

c. Select 'None' for desired Time Interval.

d. Enter 's' for Pattern (if trunk is Analog, this option is not enabled).

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- e. Select the desired User Extension (User 1 for AT1, User 9 for Voice-Unit2-Port1, etc.)
- f. Click 'Update'.

The screenshot shows a 'New Incoming Rule' dialog box with the following configuration:

- Trunk: AT1
- Time Interval: None (no TimeIntervals matched)
- Pattern: S
- Destination: User Extension -- 8888

Buttons: Cancel, Update

Example of incoming rule mapping calls received from Analog Trunk 1 to User 8888

The screenshot shows a 'New Incoming Rule' dialog box with the following configuration:

- Trunk: Voice-Unit2-Port1
- Time Interval: None (no TimeIntervals matched)
- Pattern: S
- Destination: User Extension -- 8890

Buttons: Cancel, Update

Example of incoming rule mapping called received from Unit 2 – Port 1 to User 8890

- g. Repeat the above steps for each needed incoming call rule.

Message Waiting Indication (MWI) Configuration

The Analog VoIP Gateway (AA50) can detect message waiting on the FXO lines and notify the mapped user/device with a message waiting indication. The following steps outline how to properly configure MWI.

- 12. Ensure that step 5 above is completed.
- 13. Navigate to the 'Trunks' tab. For the desired Analog Trunk, click the 'Edit' button.

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14. Under the Advanced Options, select the mailbox of the user that shall be notified upon receipt of MWI detection. If the user is not available in the list, ensure that voicemail has been enabled for their profile.

Edit Analog Trunk

Channels: 1 2 3 4 5 6 7 8

Trunk Name: AT1

CallerID:

Audio Tuning

The analog ports that you have chosen should be calibrated for optimum performance. Please ensure that your analog lines are plugged in and proceed with calibration.

[Easy Calibrate](#) [Reset Calibration](#)

Normally you should not have to adjust your analog ports beyond the initial calibration. Should you still need to fine tune your audio settings, please use the adjustments at the right: Port 1 **Soft**

Advanced Options

Busy Detection: Yes	Busy Count: 3
Busy Pattern: 500,500	Ring Timeout: 8000
Answer on: No	Hangup on: No
Polarity Switch:	Polarity Switch:
Call Progress: No	Progress Zone: US
Use CallerID: Yes	Caller ID Start: Ring
CallerID: As Received	Pulse Dial: No
CID Signalling: Bell - USA	mailbox: 8888
Flash Timing: 750	Receive Flash Timing: 1250

15. If multiple AA50's are needed (to support > 8 handsets), navigate to the 'Trunks' tab and click the 'VoIP Trunks' button. A SIP trunk for each mailbox must be provisioned between the main Unit and each additional unit. The standard configuration includes a preconfigured SIP trunk (MWI-Unit2-Port1) to serve as an example. If not needed, please delete, else modify accordingly. To add additional SIP trunks, perform the following steps.

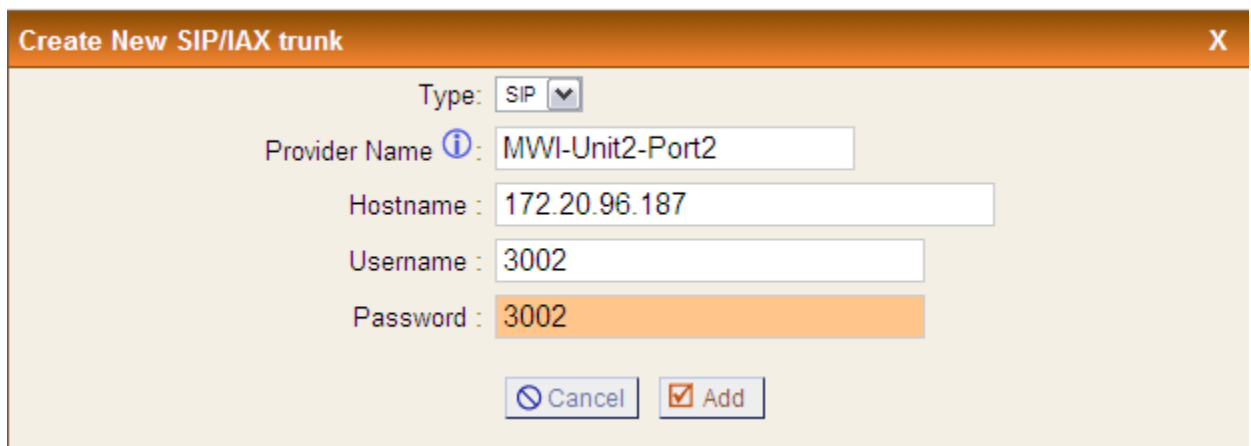
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- e. Click 'New SIP/IAX Trunk' button.
- f. Enter the following information:
 - i. Select 'SIP' as the trunk type
 - ii. Provide a descriptive Provider Name (i.e. "MWI-Unit2-Port2" for Unit 2 Port 2)
 - iii. Set Hostname to the IP address of the additional unit (i.e. 172.20.96.187, is the IP Address of Unit 2)
 - iv. Set Username to the username as defined on the secondary unit (i.e. 3002 for MWI-Unit2-Port2).
 - v. Set Password to the password as defined on the secondary unit for that user (i.e. 3002).
 - vi. Click 'Add'.



Create New SIP/IAX trunk

Type: SIP

Provider Name ⓘ: MWI-Unit2-Port2

Hostname: 172.20.96.187

Username: 3002

Password: 3002

- g. Edit the created SIP trunk and set the following parameters:
 - i. Select 'Enable Remote MWI'
 - ii. Enter the remote mailbox (typically the extension)
 - iii. Select the Local user to receive MWI notification
 - iv. Click 'Add'
 - h. Repeat the above steps for each needed User on each additional unit.
16. When all configuration parameters are set, click 'Apply Changes' for the new values to be activated.
17. It's recommended to perform a Backup of the current configuration when completed. Navigate to the 'Backup' tab to complete this procedure.

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Analog VoIP Gateway (Secondary unit) Configuration

When greater than 8 users (and their associated FXO ports) are needed, additional Analog VoIP Gateway units can be interworked with the main unit. The following steps outline how to configure the additional Analog VoIP Gateway units.

The instructions assume that the unit(s) is physically installed, according to the installation manual, and accessible on the network.

The following instructions will outline how to configure the AA50 to provide interworking between the Ascom Freeset handsets and a PBX. The instructions assume that the unit(s) is physically installed, according to the installation manual, and accessible on the network.

1. With a compatible web browser, navigate to the unit's WebGUI. With a PC directly connected to the unit's LAN ports (1-4), the default web address is 192.168.69.1.
2. At the login screen, login with the default username and password (admin / password). Once logged in, it will force you to change the default password. It's recommended to set the default password to 'changeme', as this is the default password in the standard configuration.
3. Navigate to the 'Backup' tab and upload the latest standard Freeset additional unit configuration file. If needed, please contact your supplier for the latest configuration file.
4. After the unit restarts, navigate to the 'Networking' tab and click the WAN link. Set the desired static IP Address and appropriate SUBNET and Gateway addresses. The WAN port is the interface that shall interconnect to the corporate LAN. Ensure that 'Enable GUI on WAN Interface' is checked. Click the 'Save' button when completed. A restart is needed to activate the new networking parameters.
5. If Message Waiting Indications are to be detected by the AA50 FXO ports and transmitted to the assigned handset, then the following steps are necessary.
 - a. Navigate to 'Configure Hardware'. The standard configuration includes MWI configuration with NEON detection. However, the 'Neon MWI voltage Level' parameter might need to be adjusted depending on the particular PBX connected.
 - b. If changes are made, click 'Update Settings'. Once saved, click the 'Apply Changes' button. A restart is needed to activate the MWI system parameters.

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Please note: The MWI system parameters shall be enabled before any Users or Trunks are configured.

18. Navigate to the 'Outgoing Calling Rules' tab. The standard configuration includes the Calling Rules for User 1 (CR1) – User 8 (CR8). The Calling Rule routes all matched number series and routes it out the mapped FXO port (i.e. User 1 to Port 1, User 2 to Port 2, etc.). Ensure that the standard outgoing calling rules will be sufficient for this particular deployment. If not, modify accordingly.

Please note: The standard calling rules allow pre dial only. If post dialing is also needed, the specific dialing rules will need to be included in each Dial Plan (i.e. 9+7digit, 9+10 digit, etc.).

19. Navigate to the 'Dial Plans' tab. The standard configuration includes the Dial Plans for User 1 (DP1) – User 8 (DP8). The Dial Plan includes the associated Calling Rule for each user (i.e. DP1 to CR1, DP2 to CR2, etc.). Ensure that these standard Dial Plans will be sufficient for this particular deployment. If not, modify accordingly.

The users defined on the secondary unit must correlate with the VoIP Trunk users defined on the main unit (i.e. Voice-Unit2-Port1 with extension 2001). The standard configuration includes extension 2001 as an example that corresponds with the VoIP trunk example on the main unit. Follow the steps outlined below to create the needed users corresponding to the defined VoIP trunks for the secondary unit on the main unit. The required parameter differs based upon whether the trunk is servicing voice or messaging waiting indication.

Voice Trunk Users

- a. Navigate to the 'Users' tab. On the 'Users' tab, click 'Create New User'.
- b. Fill in the following parameters:
 - Extension
 - Name
 - Select the designated Dial Plan (i.e. DP1 for User 1, DP2 for User 2, etc.)
 - Caller ID
 - Enable IAX only
 - Set First Codec Preference to 'u-law'
 - Set SIP/IAX Password (if provisioned)
 - Disable 'Can Reinvite'

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- Set DTMF mode as 'RFC2833'.
- Enable 3-way Calling
- Enable Call Waiting

c. When completed, press 'Update'.

Edit User Extension - 2001

General :

Extension: 2001 Name: Voice-Unit2-Port1 DialPlan: DP1
CallerID: 2001 OutBound CallerID:

Enable Voicemail for this User
VoiceMail Access PIN code: Email Address:

Technology

SIP IAX Analog Station: None flash: rxflash:
Codec Preference : First : u-law Second : GSM Third : None Fourth : None Fifth : None

VoIP Settings

MAC Address : Line Number : 1 SIP/IAX Password: 2001
NAT: Can Reinvite: DTMF Mode: RFC2833 insecure: no

Other Options

3-Way Calling In Directory Call Waiting CTI Is Agent Pickup Group: 1

Cancel Update

d. Repeat the above steps for each VoIP trunk user for voice.

MWI Trunk Users

- a. Navigate to the 'Users' tab. On the 'Users' tab, click 'Create New User'.
- b. Fill in the following parameters:
 - Extension

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- Name
- Caller ID
- Enable Voicemail for this user (if MWI notification is required)
- Enable SIP only
- Set First Codec Preference to 'u-law'
- Set SIP/IAX Password (if provisioned)
- Disable 'Can Reinvite'
- Set DTMF mode as 'RFC2833'.

c. When completed, press 'Update'.

Edit User Extension - 3001 X

General :

Extension: 3001 ⓘ Name: MWI-Unit2-Port1 ⓘ DialPlan: Default_DialPlan ⓘ
CallerID: 3001 ⓘ OutBound CallerID: ⓘ

Enable Voicemail for this User ⓘ

VoiceMail Access PIN code: ⓘ Email Address: ⓘ

Technology

SIP ⓘ IAX ⓘ Analog Station: None ⓘ flash ⓘ: ⓘ rxflex ⓘ: ⓘ
Codec Preference : First : u-law ⓘ Second : GSM ⓘ Third : None ⓘ Fourth : None ⓘ Fifth : None ⓘ

VoIP Settings

MAC Address : ⓘ Line Number : 1 ⓘ SIP/IAX Password: 3001 ⓘ
NAT: ⓘ Can Reinvite: ⓘ DTMF Mode: RFC2833 ⓘ insecure: no ⓘ

Other Options

3-Way Calling ⓘ In Directory ⓘ Call Waiting ⓘ CTI ⓘ Is Agent ⓘ Pickup Group: 1 ⓘ

d. Repeat the above steps for each VoIP trunk user for MWI.

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20. Navigate to the 'Incoming Calls' tab. Follow the steps outlined below to create incoming call rules for desired users.

- a. On the 'Incoming Calls' tab, click the 'New Incoming Rule' button.
- b. Select the desired Trunk (AT1 for Voice-Unit2-Port1, AT2 for Voice-Unit2-Port2, etc.)
- c. Select 'None' for desired Time Interval.
- d. Select the desired User Extension (Voice-Unit2-Port1 for AT1, etc.)
- e. Click 'Update'.

The screenshot shows a 'New Incoming Rule' dialog box. It has a title bar with 'New Incoming Rule' and a close button 'X'. The dialog contains the following fields and controls:

- Trunk :** A dropdown menu with 'AT1' selected.
- Time Interval :** A dropdown menu with 'None (no TimeIntervals matched)' selected.
- Pattern ⓘ :** A text input field containing 'S'.
- Destination :** A dropdown menu with 'User Extension -- 2001' selected.

At the bottom of the dialog are two buttons: 'Cancel' and 'Update'. The 'Update' button has a checked checkbox next to it.

- f. Repeat the above steps for each needed incoming call rule.

Message Waiting Indication (MWI) Configuration

The Analog VoIP Gateway (AA50) can detect message waiting on the FXO lines and notify the mapped user/device with a message waiting indication. The following steps outline how to properly configure MWI.

21. Ensure that step 5 above is completed.
22. Navigate to the 'Trunks' tab. For the desired Analog Trunk, click the 'Edit' button.
23. Under the Advanced Options, select the mailbox of the user that shall be notified upon receipt of MWI detection. If the user is not available in the list, ensure that voicemail has been enabled for their profile. These users are the defined VoIP trunk MWI users (i.e. extension 3001).

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Edit Analog Trunk

Channels: 1 2 3 4 5 6 7 8

Trunk Name *i*: AT1

CallerID:

Audio Tuning

The analog ports that you have chosen should be calibrated for optimum performance. Please ensure that your analog lines are plugged in and proceed with calibration.

[Easy Calibrate](#) [Reset Calibration](#)

Normally you should not have to adjust your analog ports beyond the initial calibration. Should you still need to fine tune your audio settings, please use the adjustments at the right: Port 1

Advanced Options

Busy Detection <i>i</i> : <input type="text" value="Yes"/>	Busy Count <i>i</i> : <input type="text" value="3"/>
Busy Pattern <i>i</i> : <input type="text" value="500,500"/>	Ring Timeout <i>i</i> : <input type="text" value="8000"/>
Answer on <input type="text" value="No"/>	Hangup on <input type="text" value="No"/>
Polarity Switch <i>i</i> : <input type="text"/>	Polarity Switch <i>i</i> : <input type="text"/>
Call Progress <i>i</i> : <input type="text" value="No"/>	Progress Zone <i>i</i> : <input type="text" value="US"/>
Use CallerID <i>i</i> : <input type="text" value="Yes"/>	Caller ID Start <i>i</i> : <input type="text" value="Ring"/>
CallerID <i>i</i> : <input type="text" value="As Received"/>	Pulse Dial <i>i</i> : <input type="text" value="No"/>
CID Signalling <i>i</i> : <input type="text" value="Bell - USA"/>	mailbox: <input type="text" value="3001"/>
Flash Timing <i>i</i> : <input type="text" value="750"/>	Receive Flash Timing <i>i</i> : <input type="text" value="1250"/>

24. When all configuration parameters are set, click 'Apply Changes' for the new values to be activated.

It's recommended to perform a Backup of the current configuration when completed. Navigate to the 'Backup' tab to complete this procedure.

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Freeset IP-DECT Configuration

The following instructions outline the specific functions that shall be configured to provide the most optimal interworking with the Analog VoIP Gateway (AA50).

1. The IP-DECT Base Station (IPBS) shall be connected to an access port on the data switch. Ensure that there is no VLAN ID or Priority defined in the IPBS.

The screenshot shows the 'Ascom IP-DECT Base Station' configuration interface. On the left is a navigation menu with categories: Configuration, Administration, Users, Device Overview, and Traffic. Under 'Configuration', there are sub-items: General, LAN, IP, LDAP, DECT, VoIP, Administration, Users, Device Overview, and Traffic. The 'LAN' item is selected. The main content area has tabs for DHCP, IP, Link, VLAN, and Statistics. The 'VLAN' tab is active, displaying a dialog box with the following text: 'Configure the VLAN ID only if the switches and endpoints support VLAN tagging (IEEE 802.1q). For priority tagging (802.1p) it is sufficient to configure the priority value only. Please be aware that you may not be able to access the device any further if the VLAN ID is changed!'. Below the text are two input fields: 'ID' and 'Priority'. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

2. Navigate to 'DECT' | 'System' and ensure the following settings are configured:
 - a. Enbloc Dialing shall be disabled
 - b. Local R-Key Handling shall be disabled
 - c. DTMF through RTP Channel shall be enabled
 - d. Coder shall be set to G711u

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The screenshot displays the configuration interface for the Analog VoIP Gateway (AA50). The interface is divided into a sidebar on the left and a main configuration area on the right. The sidebar contains a 'Configuration' menu with options: General, LAN, IP, LDAP, DECT, VoIP, Administration, Users, Device Overview, Traffic, Gateway, Backup, Update, Diagnostics, and Reset. The main configuration area is titled 'System' and includes tabs for 'System', 'Suppl. Serv.', 'Master', 'Radio', 'PARI', 'SARI', 'SMS', and 'Air Sync'. The 'Master' tab is selected, and the 'DECT' section is active. The configuration parameters are as follows:

Parameter	Value
System Name	USDE
Password	••••••••
Authentication Code	2538
Subscriptions	With System AC
Tones	US
Default Language	English
Frequency	North America
Enabled Carriers	0: <input type="checkbox"/> 1: <input checked="" type="checkbox"/> 2: <input checked="" type="checkbox"/> 3: <input checked="" type="checkbox"/> 4: <input type="checkbox"/> 5: <input type="checkbox"/> 6: <input type="checkbox"/> 7: <input type="checkbox"/> 8: <input type="checkbox"/> 9: <input type="checkbox"/>
Enbloc Dialing	<input type="checkbox"/>
Local R-Key Handling	<input type="checkbox"/>
DTMF through RTP channel	<input checked="" type="checkbox"/>
No Transfer on Hangup	<input type="checkbox"/>
Coder	G711u
Frame (ms)	20
Exclusive	<input type="checkbox"/>
SC	<input type="checkbox"/>

Buttons for 'OK' and 'Cancel' are located at the bottom of the configuration area.

3. Navigate to 'DECT' | 'Master' and set the following parameters.
 - a. Gatekeeper IP Address shall be the IP Address of the Analog VoIP Gateway main unit
 - b. Protocol shall be SIP

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The screenshot shows a configuration window with a sidebar on the left and a main configuration area on the right. The sidebar has a 'Configuration' section with tabs for General, LAN, IP, LDAP, DECT (selected), and VoIP. Below this is an 'Administration' section with tabs for Users, Device Overview, Traffic, Gateway, Backup, Update, and Diagnostics. The main configuration area has tabs for System, Suppl. Serv., Master (selected), Radio, PARI, SARI, SMS, and Air S. The 'Master' tab is active, showing the following fields: Mode (Active), Gatekeeper IP Address (172.20.96.90), Alt. Gatekeeper IP Address, Gatekeeper ID, Protocol (SIP), Hold Signalling (inactive), Registrations per second (50), Register with number (checkbox), Enable enbloc send-key (checkbox), and Max. internal number length (4) used to decide internal/external ring signal. There are OK and Cancel buttons at the bottom.

4. Navigate to 'Users' tab and build the needed users. They shall map to the defined users in the Analog VoIP Gateway (AA50) main unit.

Related Documents

AA50 Installation Manual

601-00005

System Description, IP-DECT

TD 92375GB

System Planning, Ascom IP-DECT System

TD 92422GB

Installation and Operation Manual, IP-DECT Base Station
& IP-DECT Gateway

TD 92372GB

Additional Information

If you have any questions or need additional information, please contact Ascom Technical Assistance Center at 1-877-71-ASCOM, option 3.