Amiba Cloud PBX Integration

with Gigaset DECT N720 and N870

Installation and User Guide

Contents

This guide refers to the following software revisions:

Gigaset N720 DM PRO DECT Manager: Revision 70.110.00.000.00
Gigaset N720 IP PRO DECT Base Station: Revision 70.110.00.000.00
Gigaset N870   Revision V2.26.1 (V2.26. 1+build.e2c130f)
Amiba Cloud PBX: Revision 21.083

1 Introduction

The Amiba Cloud PBX has been integrated tightly with the Gigaset N720 and the N870 DECT to extend the PBX phone directory the DECT handset.

2 To set up the Amiba Cloud PBX

Here we describe how to configure the Amiba cloud PBX to provide access to the PBX directory from a DECT handset. The handset described is the Gigaset S650, but other handsets with similar navigation keys will also work.

2.1 Check the SIP extensions credentials on the Amiba Cloud PBX

Logon to the installer portal of the Amiba cloud PBX and under the Users tab go to the User Settings page. Select an unused extension to be allocated to the DECT handset and tick the Enabled tick box, enter the user data and press Save.

2.2   Check the SIP registration credentials for the DECT handsets.

Go to the IP Phone Registration page under the Users tab and scroll to the unused extensions that will be allocated to the DECT handset. Make a note of the IP registration name and the PIN. You may change these from the default values if you wish.

Index ▾	User Number	Username	IP registration name	PIN Code	Details
1	101	Poste 101			Not Connected
2	102	Poste 102			Not Connected
3	103	Poste 103			Not Connected
4	104	Poste 104			Not Connected
5	105	Poste 105			Not Connected
6	106	Poste 106			Not Connected
7	107	Poste 107			Not Connected
8	108	Poste 108			Not Connected
9	109	Poste 109			Not Connected
10	110	Poste 110			Not Connected
11	111	Poste 111			Not Connected
12	112	Poste 112			Not Connected
13	113	Poste 113			Not Connected
14	114	Poste 114			Not Connected
15	115	Poste 115			Not Connected
16	116	Poste 116			Not Connected
17	117	Poste 117			Not Connected
18	118	Poste 118			Not Connected
19	119	Poste 119			Not Connected
20	120	Poste 120			Not Connected

IP Phone Registration

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Save

16:27:39   English ▾

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ADMINISTRATION
(mdsinstall) Back   ⌂   System   Time   Users   Groups   Trunks   Access Control   Contact Centre   Call Logging

These registration credentials will be needed to programme the DECT handsets as described below.

3   Program the Gigaset N720

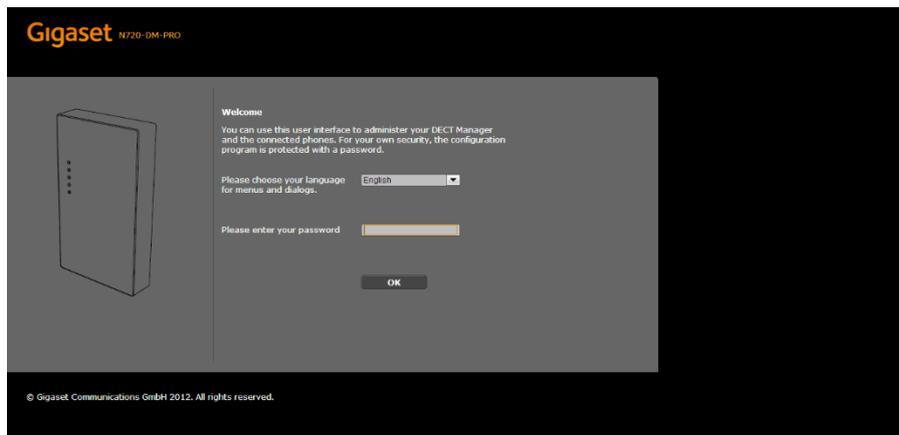The DECT handsets should now be registered to the DECT base station as described in the handset guide.

The Gigaset N720 DM PRO is a DECT system manager capable of controlling multiple DECT base stations.   The connection between the manager and DECT base stations on the same LAN is established automatically.

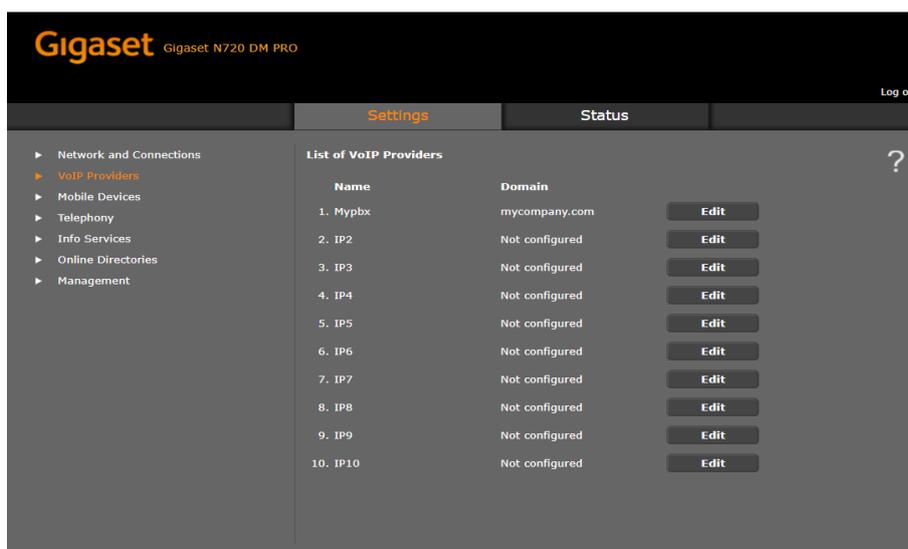## 3.1   Logon to the DECT Manager.

Logon to the Gigaset N720 DM PRO DECT Manager from a PC on the LAN by typing the following URL into the browser:

www.gigaset-config.com

Password: admin

3.2   Program the Amiba Cloud PBX details into the DECT manager.

Click on 'VoIP Providers'

- Set the Domain, the Proxy Server Address and the Registration server to the URL of the Amiba Cloud PBX, for example, mypbx.mycompany.com
- Set the Proxy server port to 5060.
- Set Registration refresh time to 180 seconds
- Set STUN Enabled to NO.
- Set NAT Refresh time to 20 sec.
- Set Outbound Proxy mode to Automatic
- Set outbound server address to the IP address of the Amiba Cloud PBX
- Set outbound proxy port to 5060
- Press SET at the bottom of the page to save the settings.

3.3   Program the Registration details in the DECT handsets
- Click on 'Mobile Devices' to see the registered DECT handsets.

- At 'New mobile device with own data', click 'Add'
- Click Edit for the device and program the Authentication name and Password with the IP registration name and IP registration PIN of the extension as defined in the IP Phone registration page of the Amiba Cloud PBX. Select the VoIP provider that programmed in the previous section.
- Click 'Set' to at the bottom of the page save the settings.

3.4   Programme the DECT Controller to search the PBX directories
- Click on 'Online directories'

Directory via XML Protocol

Directory name	PBX Directory
Server address	mypbx.mycompany.com/mypbx/xhtml.cgi
Username	
Password	
Enable directory	☑
Enable private online directory	○ Yes ◉ No

The private online directory has the same server address as the directory via XML protocol.

Set   **Cancel**

- Scroll down to 'Directory via XML Protocol' and enter the following:
  Directory name: PBX Directory
  Server address: [PBX NAME].[DOMAIN]/[PBX NAME]/xhtml.cgi , for example,
  mypbx.mycompany/mypbx/xhtml.cgi
  Username & Password not required.
  Enable phone book: checked
  Enable a private online directory: No
- Click 'Set' at the bottom of the page, to save the settings

3.4   Program the INT key on the handsets
- Click 'Mobile Devices' and select 'Edit' for the handset.
- Select 'Show advanced settings'

Hide Advanced Settings

Online directories

You can decide which directory will be opened by pressing the directory key and the INT key on your handset. One online directory can be selected for an automatic name search.

Directory for direct access	Local directory
Corporate directory for INT key	Public PBX directory (XML)
Automatic look-up	Public PBX directory (XML)

Network Mailbox Configuration

Call number or SIP name (URI)	*99
Activate network mailbox	◉ Yes ○ No
Apply changes for all SIP connections	**OK**

- Under the setting 'Corporate Directory for INT Key', select 'Public PBX Directory'
- Click 'Set' at the bottom of the page to save the settings
- Power cycle the Gigaset N720 DM PRO Manager to implement the new settings.

3.5   Using the PBX Directory on the DECT handset
- Pressing the 'INT' key on the DECT handset allows you to search the PBX common directory and Extension list.

4   Program the Gigaset N870

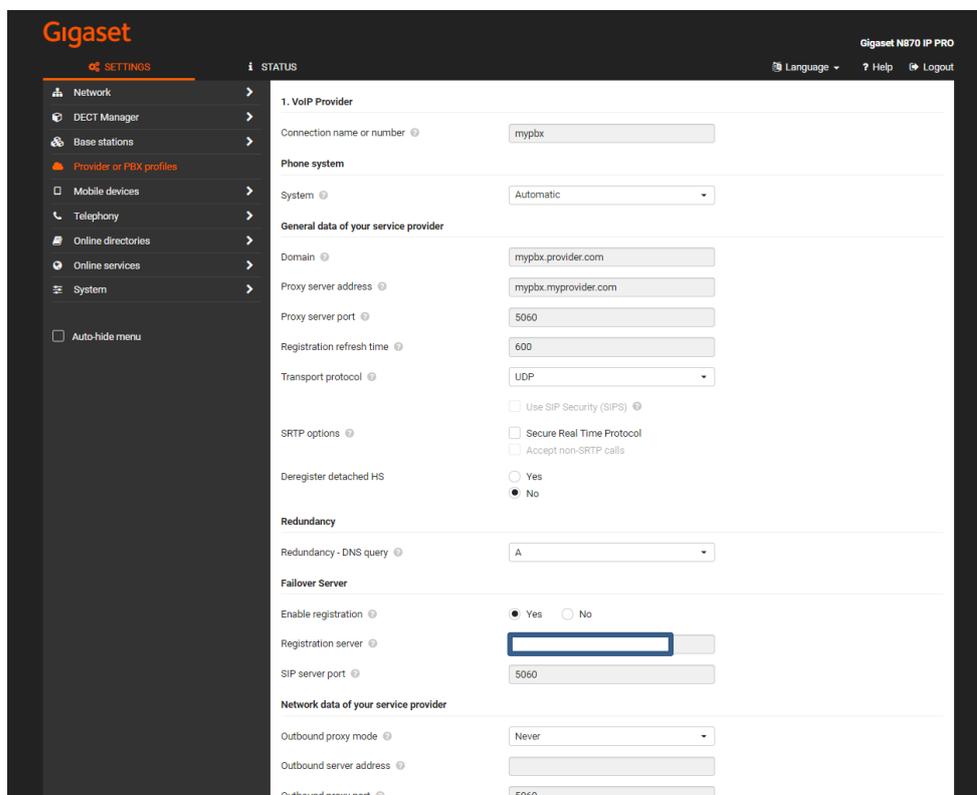The DECT handsets should now be registered to the DECT base station as described in the handset guide.

The Gigaset N870 is a DECT system manager capable of controlling multiple DECT base stations.   The connection between the manager and DECT base stations on the same LAN is established automatically.

4.1   Logon to the DECT Manager.

Logon to the Gigaset N870 as described in the product manual.

4.2   Program the Amiba Cloud PBX details into the DECT manager.

Navigate to Settings/Provider of PBX Profiles/ and click on the Edit button for an unused Provider.

-   Set the Domain and the Proxy Server Address and the Registration server to the URL of the Amiba Cloud PBX, for example, mypbx.mycompany.com
-   Set the Proxy server port to 5060.
-   Set Registration refresh time to 180 seconds
-   Set Outbound Proxy mode to Automatic
-   Set outbound server address to the IP address of the Amiba Cloud PBX
-   Set outbound proxy port to 5060
-   Press SET at the bottom of the page to save the settings.

4.3 Program the Registration details in the DECT handsets
- Navigate to Settings/Mobile devices and click the edit button for the device.

- Program the Authentication name and Password with the IP registration name and IP registration PIN of the extension as defined in the IP Phone registration page of the Amiba Cloud PBX. Select the VoIP provider that programmed in the previous section.
- Program the three options in the section Online Directories as shown above in the screenshot.
- Click 'Set' to at the bottom of the page save the settings.

4.4   Programme the DECT Controller to search the IPPBX directories
-    Navigate to Settings/Online directories/XML/ and click the edit button for the Public directory.

-    Enter the following:
     Directory name: PBX Directory
     Server address: [PBX NAME].[DOMAIN]/[PBX NAME]/xhtml.cgi , for example,
     mypbx.mycompany/mypbx/xhtml.cgi
     Username & Password not required
     Public White Pages: Enable
     Directory Name: PBX Directory
     Start Mode: List
-    Click 'Set' at the bottom of the page, to save the settings

-    Power cycle the Gigaset N870 to implement the new settings.

4.5   Using the PBX Directory on the DECT handset
-    Pressing the 'Directory' or 'INT' key on the DECT handset allows you to search the PBX common directory and Extension list.

5   Gigaset N510 parameters required for Call Transfer
       1. Set the codec to G.711 only.
       2. Set the parameter 'Initiate transfer with R button'
       3. Set the parameter 'Transfer on Hang-up'