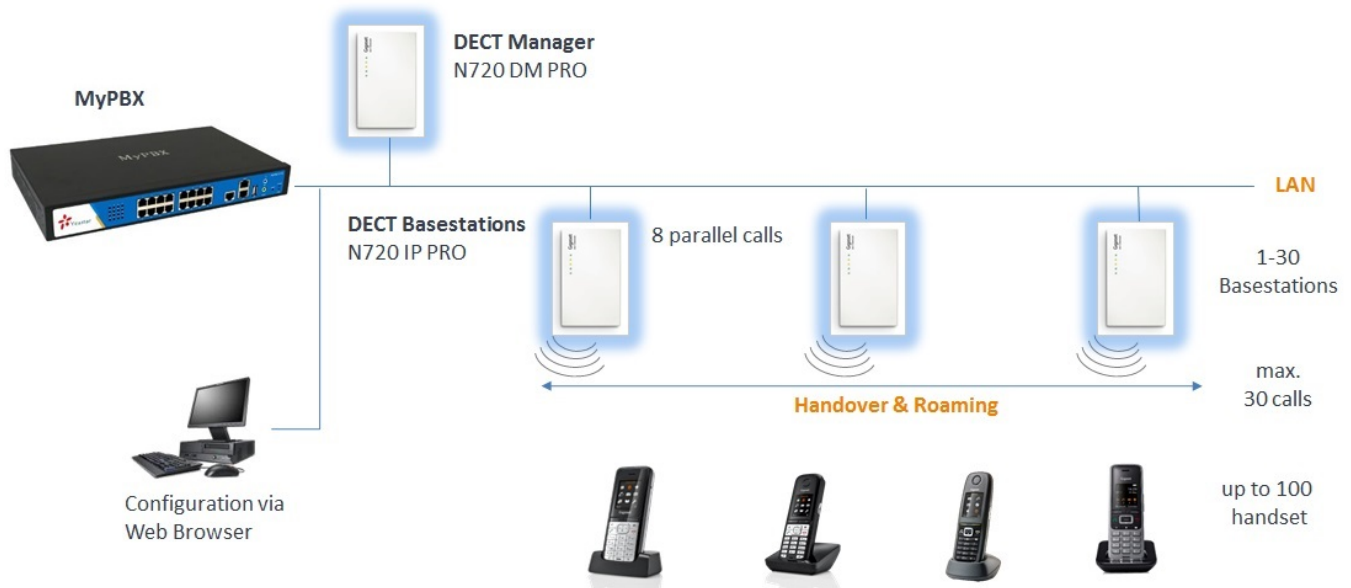


# How to connect Gigaset N720 DECT IP to MyPBX (Yeastar)



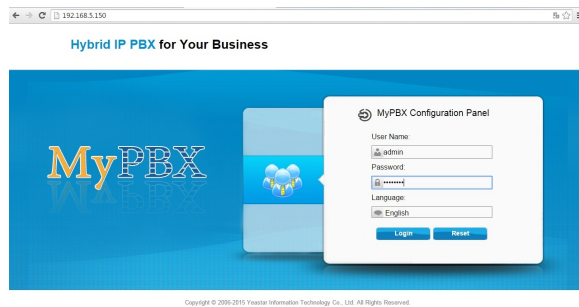
This document provides a summary of how the MyPBX can interoperate with Gigaset pro IP DECT Cordless system N720 IP Pro. This is a Gigaset pro "self-certification" document based on own testing with the MyPBX.

This guide has been tested with following firmware versions:

- N720 Version 92
- MyPBX Version

## Step1: Configure SIP User on the MyPBX system

a) Login to the PBX by entering the IP address of the PBX into your Browser



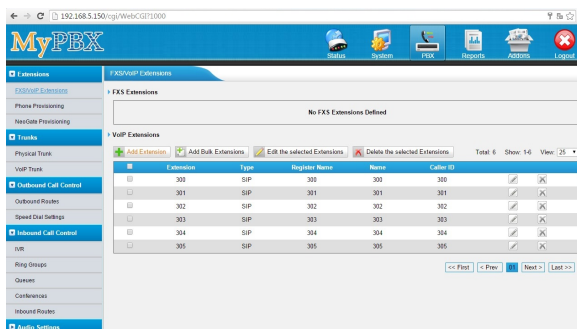
Go to PBX --> FXS / VoIP Extensions and press on the "Add Extension" button

Default User = admin

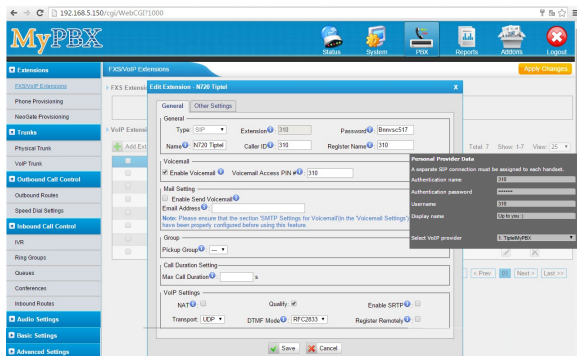
Default Password = password

b) Add a new VoIP extension

Go to PBX --> FXS / VoIP Extensions and press on the "Add Extension" button



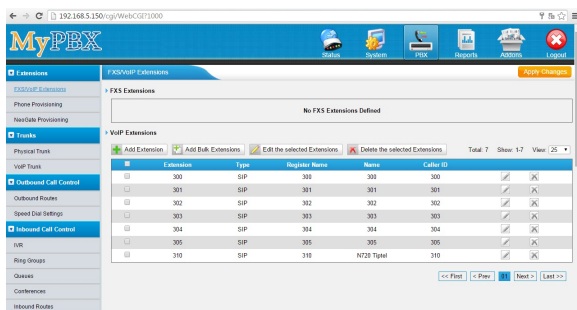
Configure the VoIP extension



PBX	N720
Type: SIP	--
Extension: 310	Username:310
Register Name: 310	Authentication name:310
Password:Bnnvsc517	Authentication password: Bnnvsc517
Name: N720 Tiptel	--

Please press "SAVE"

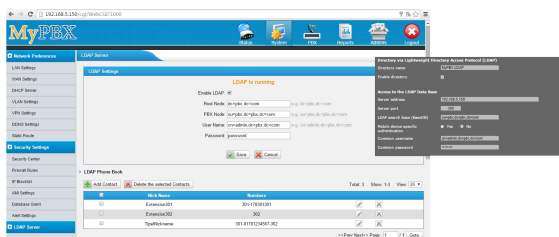
It is necessary to apply the changes.



## Step 2: Configure the PBX directory

MyPBX is using a LDAP server as Database for the directory.

a) Go to System / LDAP Server / LDAP Server



b) Add a new entry to the directory

Set the checkmark to enable the LDAP server.

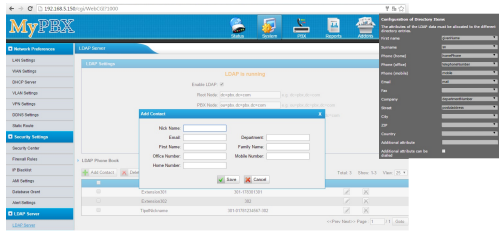
You don't have to change the settings for using the directory with a Gigaset DECT system.

The IP of the LDAP server is the same as the IP of the PBX.

MyPBX	Gigaset
Enable LDAP	Enable directory
PBX Node	LDAP search base (BaseDN)
User Name	Common username
Password	Common password

Database attributes

MyPBX	LDAP
-------	------



Nickname	cn
Email	mail
Department	departmentNumber
First Name	givenName
Family Name	sn
Office Number	telephoneNumber
Mobile Number	mobile
Home Number	homePhone

### Step 3: Prepare the N720 to register new handsets and VoIP accounts.

Careful planning of the DECT wireless network is the prerequisite for successful operation of the Gigaset N720 DECT IP Multicell System with good call quality and adequate call options for all subscribers in all the buildings and areas belonging to the MyPBX. When deciding how many base stations are needed and where these should be positioned, both the requirements for the capacity of the MyPBX and its wireless coverage as well as many ambient conditions, must be taken into consideration.

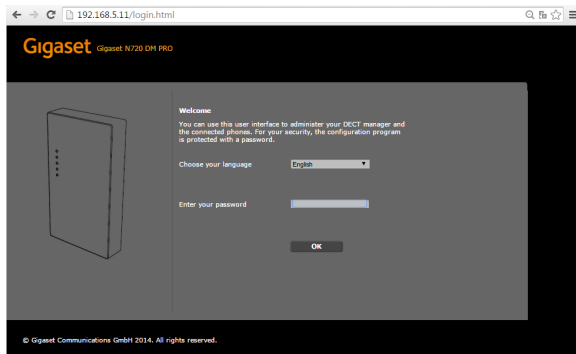
The "Gigaset N720 DECT IP Multicell System- Site Planning and Measurement Guide" will make it easier for you to plan your multicell DECT network.

- [Gigaset N720 DECT IP PRO Site Planning and Measurement Guide \(German / Deutsch\)](#)
- [Gigaset N720 DECT IP PRO Site Planning and Measurement Guide \(English / English\)](#)

a) Login to the N720 WebUI by entering the IP of the N720 into a browser

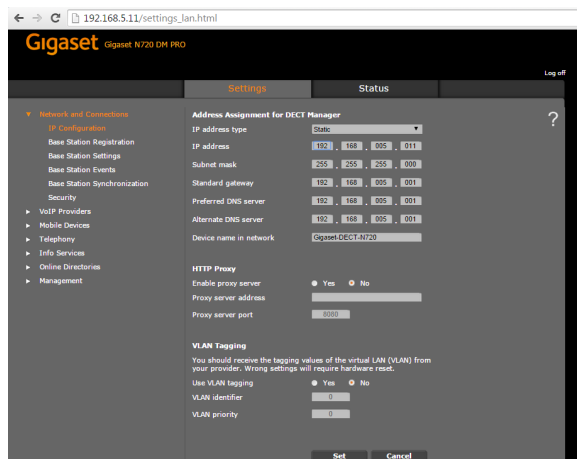
default password : admin

Hint: A internet connection is necessary to change the language



b) Configure the network

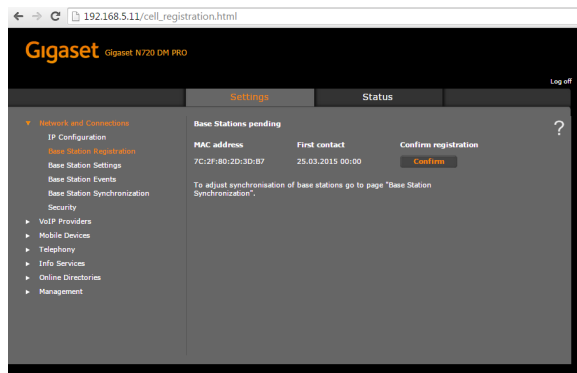
Settings/Network and Connections/ IP Configuration



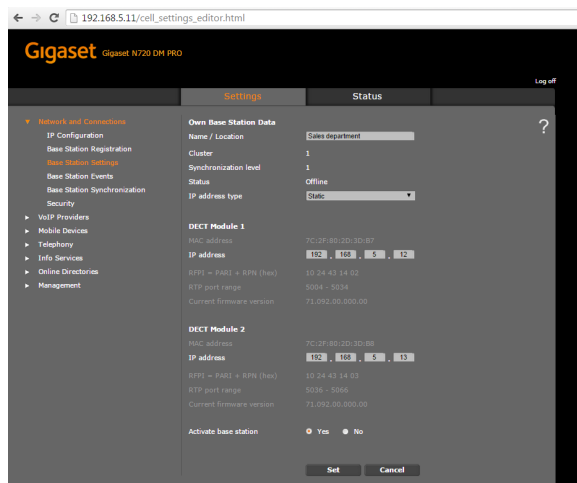
c) Register new DECT basestation / transmitter to the system

To register a new basestation press the "Confirm" button

Settings/ Network and Connections / Base Station Registration



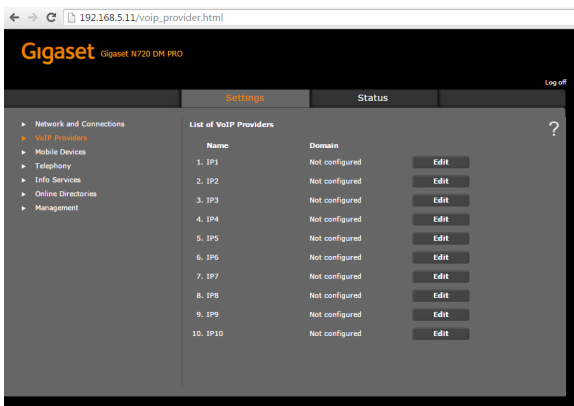
Enter a reasonable Name/ Location and set the IP settings.



d) Add a new VoIP Provider

To add a new provider press the "Edit" button of the first account.

Settings / VoIP Provider



Provider	MyPBX
Domain	PBX IP example: 192.168.5.150

192.168.5.11/voip\_provider\_editor.html

**Gigaset** Gigaset N720 DM PRO

Log off

**Settings** Status

Network and Connections

VoIP Providers

Mobile Devices

Telephony

Info Services

Online Directories

Management

**VoIP Provider 1**

Profile Download

Provider: **ipstarPBX**

Profile version: **Select VoIP provider**

General Data of your Service Provider

Domain: **192.168.5.150**

Proxy server address: **192.168.5.150**

Proxy server port: **5060**

Registration server: **192.168.5.150**

Registration server port: **5060**

Registration refresh time: **180** sec

Network Data of your Service Provider

STUN enabled: ☒ Yes ☐ No

STUN server address:

STUN server port: **3478**

STUN refresh time: **240** sec

NAT refresh time: **20** sec

Outbound proxy mode: ☒ Always ☐ Automatic ☐ Never

Outbound server address:

Outbound proxy port: **8080**

Network Protocol

Select protocol: ☒ Automatic ☐ UDP only ☐ TCP only

**Set** **Cancel** **Delete**

Proxy server address	PBX IP example: 192.168.5.150
Proxy server port	5060
Registration server	PBX IP example: 192.168.5.150
Registration server port	5060
Registration refresh time	180
all others	default

Don't forget to press "set" to save the settings

e) Change the advanced VoIP settings

Settings/ Telephony / Advanced VoIP Settings

192.168.0.102/settings\_telephony\_advanced.html

**Gigaset** Gigaset N720 DM PRO

Log off

**Settings** Status

Network and Connections

VoIP Providers

Mobile Devices

Telephony

Info Services

Online Directories

Management

**Advanced VoIP Settings**

DTMF over VoIP Connections

Automatic negotiation of DTMF: ☒ Yes ☐ No

Send settings of DTMF transmission: ☒ Audio ☐ RFC 2833 ☐ SIP info

G.722 Codec

Enabling or disabling the G.722 codec will restart the system. Connections with mobile devices will be terminated.

Enable videband via codec: ☒ Yes ☐ No

G.722

One base station enables a maximum of 4 videband calls.

G.729 Codec

For activation of a G.729 licence a connection to the Internet is required.

Activate G.729 codec: **OK**

Call Transfer

Use the R-key to initiate call transfer with SIP Refer method: ☒ Yes ☐ No

Transfer call by on-hook: ☒ Yes ☐ No

You can define the choice of target address in the SIP protocol:

Determine target address automatically: ☒ Yes ☐ No

Hold on transfer target: ☒ For attended transfer ☐ For unattended transfer

Hook Flash (R-key)

Hook flash settings are disabled, because R-key is used for call transfer.

Listen Ports for VoIP Connections

Use random ports for SIP: ☒ Yes ☐ No

SIP port: **5060** - **6000**

RTP port: **8084**

Maximum value for used RTP ports: **6922**

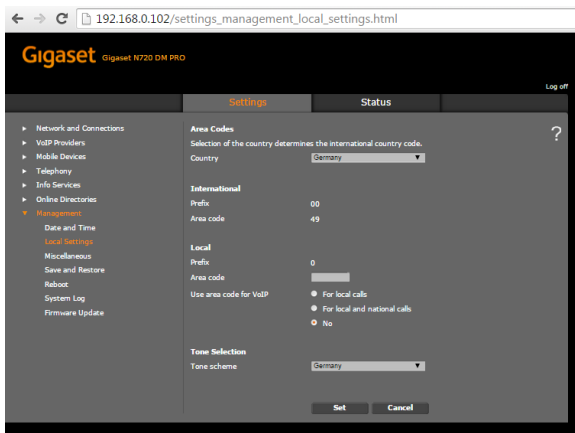
**Set** **Cancel**

Automatic negotiation of DTMF..	No
Send settings of DTMF ...	RFC2833
all others	default

f) Change the local settings

Settings/ Management / Local Settings

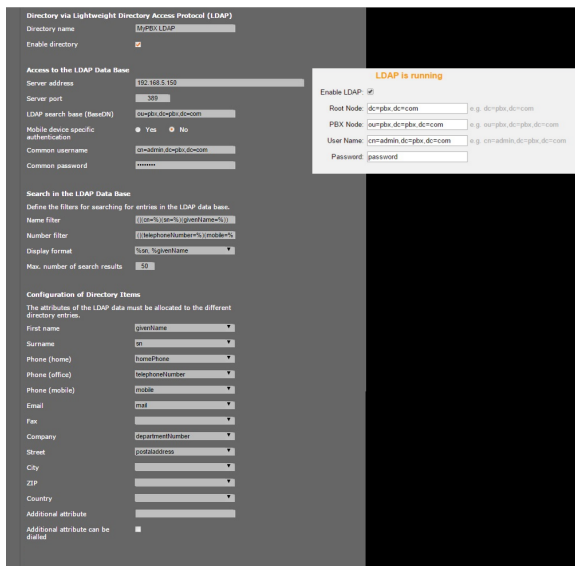
Country	Germany
Tone schema	Germany
all others	default



#### Step 4: Now we will add the MyPBX directory(LDAP) to our DECT System

a) Configure the LDAP director

Settings/Online directories



Directory Name	MyPBX directory
Enable directory	set checkmark
Server address	MyPBX IP example 192.168.5.150
LDAP search base	ou=pbx,dc=pbx,dc=com
Common username	cn=admin,dc=pbx,dc=com
Common password	password
Name filter	((cn=%)(sn=%)(givenName=%))
Number filter	((telephoneNumber=%)(mobile=%)(homePhone=%))
Display format	%sn,%givenName
First name	givenName
Surname	sn
Phone(home)	homePhone
Phone(office)	telephoneNumber
Phone(mobile)	mobile
Email	mail
Company	departmentNumber
Street	postaladdress

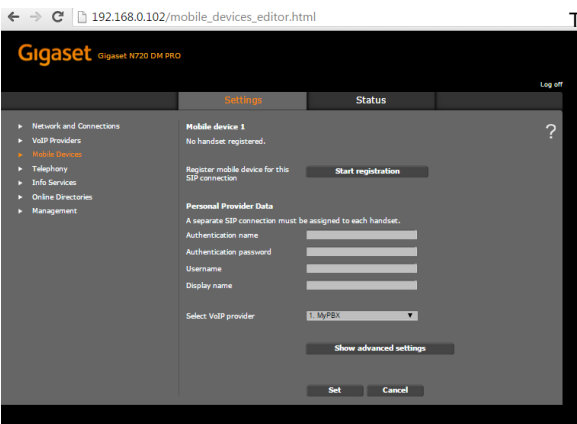
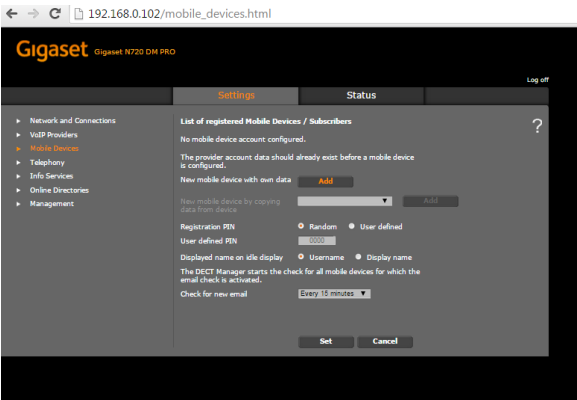
Don't forget to press the "set" button to save

#### Step 5: Register new handset / VoIP account

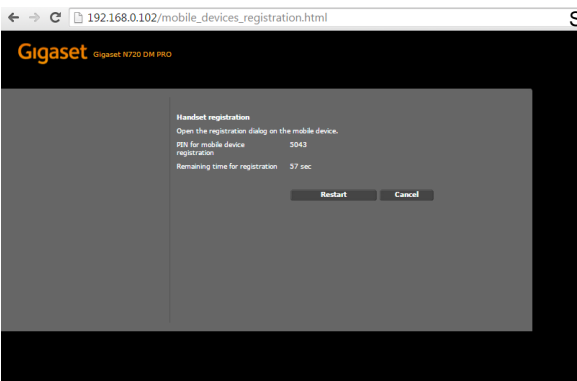
a) register Haset to DECT system

Click on "Add"

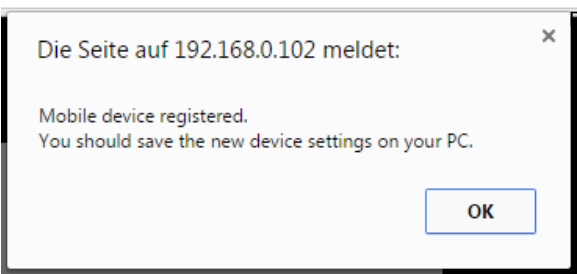
Settings / Mobilte Devices



To start the registration click on "Start registration "



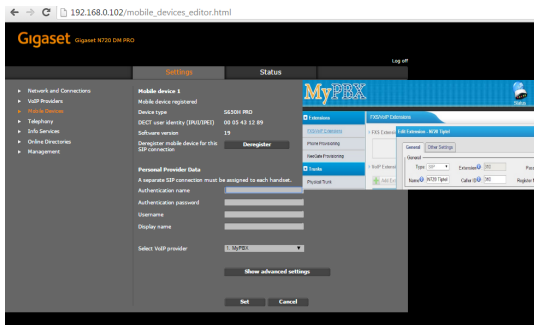
Start the registration on your handset and enter the registration pin



Pop up appears if registration was successfull

Now you have to add the MyPBX extension settings

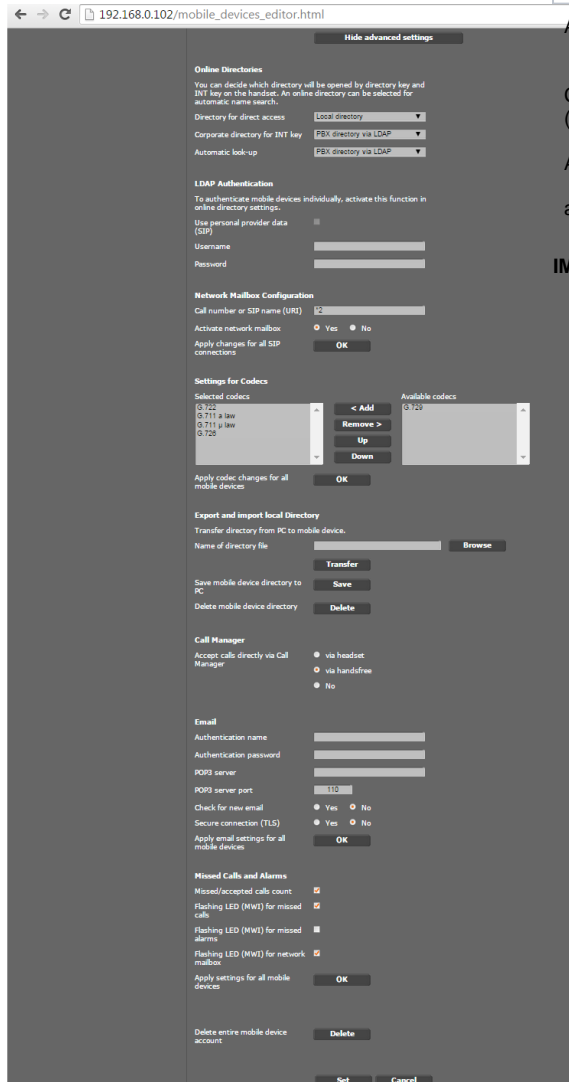
N720	MyPBX
------	-------



Authentication name: 310	Register Name : 310
Authentication password: Bnnvsc517	Password: Bnnvsc517
Username: 310	Extension : 310
Display Name: Up to you 😊	---

Click on Show advanced settings to start the last settings

b) advanced settings ( Voicemail / MWI / directory access / autolookup)



Corporate directory for INT key	PBX directory via LDAP
Automatic look-up	PBX directory via LDAP
Call number of SIP Name (URI)	*2
Activate network mailbox	set radio button
all others	default

**IMPORTANT: click "set"**

**Step 6: Check the registration**



← → 192.168.0.102/mobile\_devices.html

Gigaset

Gigaset N720 DM PRO

Log out

Settings

Status

Network and Connections

VoIP Providers

Mobile Devices

Telephony

Info Services

Online Directories

Management

List of registered Mobile Devices / Subscribers

Username	SIP connection	Mobile device registered	Email account	Net AM
1. 310	MyPBX	SE20H PRO	19	<div>Edit</div>

The provider account data should already exist before a mobile device is configured.

New mobile device with own data

Add

New mobile device by copying data from device

1. 310 / 310

Add

Registration PIN

Random

User defined

User defined PIN

0000

Displayed name on site display

Username

Display name

The DECT Manager starts the check for all mobile devices for which the email check is activated.

Check for new email

Every 15 minutes

Set

Cancel