# 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 follwing 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

← → C 🗋 192.168.5.	150/cgi/WebCGI?10	00							950
MyPB2	2			Status	System		Reports	Addons	Logost
Extensions	FXS/VoIP Exten	sions							
EXS/VolP Extensions	FXS Extensions								
Phone Previsioning NeeGate Previsioning				No FXS Extens	sions Defined				
Trusks	VolP Extension	•							
Physical Trunk	+ Add Extens	ion 🝸 Add Bulk	Extensions 📝 Ed	It the selected Extensions	K Delate the sele	cted Extensions	Totat 6	Show: 1-6	View: 25 •
VolP Trunk		Extension	Type	Register Name	Name	Caller ID			
Outbound Call Control		300	SIP	300	300	300		X	X
Outbound Boutes		301	SIP	301	301	301			X
Proved Pitel Publican		302	SIP	302	302	302		1	X
speet trai settings	U	303	SIP	303	303	303			X
Inbound Call Control		304	SIP	304	304	304		1	X
IVR		305	SIP	305	305	305		×.	A
Ring Groups						<< 11	st < Prev	01 Nex	t> Last>>
Queues									
Conferences									
Inbound Routes									
-									

Configure the VoIP extension

← → C 🗋 192.168.5.15	0/cgi/WebCGI?10	00						953
<b>My</b> PBX	, >		Status	System	E	Reports	Addons	Logout
Extensions	FXSVoIP Exten	stors					Ap	ply Changes
EXSVall Educations	> FXS Extensis	dit Extension - N720 Tiptel				×		
Phone Provisioning		General Other Settings						
Neo Gate Provisioning		General						
Trunks	VoIP Extensi	Type: SIP  Extension	10 Pass	ward : Brrwsc5	17			
Physical Trunk	🕂 Add Ext	Name@: N720 Tiptel Caller ID@: 3	10 Register N	4ame@: 310		Tetal 7	Show: 1-7	View: 25 *
VolP Trunk		Voicemail			Personal Pro	vider Data		
Outbound Call Control		C Enable Voicernal Voicernal Access F	NN #01: [310		Authentication	narre	210	
Outbound Routes		Mail Setting			Authentication			
Speed Dial Settings		Email Address 0			Username		310	_
Inbound Call Control		Note: Please ensure that the section SMTP S have been properly configured before using thi	ettings for Voicemail(in the s feature.	Voicernal Setting	• • • • • • • • • • • • • • • • • • •		0001001	
NR .	0	Group			Select VolP p		1. TipleMyPEX	•
Ring Groups		Pickup Group <sup>(U)</sup> : •						X
Queses		Call Duration Setting				< Pre	01 Next 2	> Last >>
Conferences		VolP Settings						
Inbound Routes		NATO: C Quali	iy: æ	Enable SRTP	0,0			
Audio Settings		Transport UDP . DTMF Mode	RFC2833 •	Register Remotely	<b>0</b> : 0			
Basic Settings								
Advanced Settings		× :	Save 🔀 Cancel					

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

### Please press "SAVE"

← → C 🗋 192.168.5	150/cgi/WebCGI?1000								983
MyPB2	2				Status System	PBX	Reports	ADJOTS	Logout
Extensions	FXSMoIP Edension	18							oply Changes
EX3//sP Extensions	FXS Extensions								
Phone Provisioning				No Fi	S Extensions Defined				
Nee Gate Provisioning									
Tranks	VolP Extensions								
Physical Tousk	+ Add Extension	t Add	Bulk Extensions	🥖 Edit the selected Ext	ensions 📉 Delete the	selected Extensions	Total: 7	Shew: 1-7	View 25 ·
VolP Trunk		Extension	Тур	e Register Ne	me Name	Caller ID			
Outbound Call Control		300	SIP	300	300	300		1	×
Outhound Bracter	-	301	SIP	301	301	301		1	X
		302	SIP	302	302	302		1	X
Speed Dial Settings		303	SIP	303	303	303		×	X
Inbound Call Control		304	SIP	304	304	304		1	×
IVR		305	SIP	305	305	305		Z	×
Ring Groups		310	SIP	310	N720 Tipte	310		1	X
Queses						<	First < Prev	01 Neo	d> Last>>
Cattlerences									

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

It is necessary to apply the changes.

Set the checkmark to enable the LDAP server.

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

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

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

#### Database attributes

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

← → Ø [○ 192368.5.15	@rogi/WebC6871000						早毎合		
MyPBX			2	🤹 🕹		*	Configuration of Devictory The all-builts of the LDIP do inclury article.	Prove to react be alreaded to Pr	• 48 mm
Network Professores	LDAP Server						Surrane	a.	-
LAN Sedings	1741 Indiana						Phone (home)	handhan	
VMA Swittings			LOAP is consist				Phone (percent		
OHOP Server			Endle IDLE - 2				(mail	and a	
VLAN Settings			Boot Nation Ideastics descrame				7 m		
VPN Gettings			PEX Note: oursets donates donce				Ciriperv	Apatradiutes	
00N/5 Settings		Add Contact			tor-cart		CR .		-
Static Finale		Not Name					D*		_
Security Settings		Email	Depatroon				Country		
learts Center		First Name:	Family News				Additional adviction		_
Frenal Foles	A 1742 Phone Back	Office Number:	Mobile Number				dated		
P Backly	Witness Witness	Hane Number:							
AM Gettings	A PARCONNEL A D		🖌 Save 💢 Can		1000.0		- Amer (10-4)		
Galadiana Grant		Extension X4			2				
Alert Sellings		Econocia 202	382						
LEAP Server		TpePickrame	301-01397234563	182		36			
1100						o Page 1	11 Gate		

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 wirelss 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 / Englisch)

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

Settings/ Network and Connections / Base Station Registration

← → C 🗋 192.168.5.11/cell\_registration Gigaset Gigaset N720 DM PRO



## d) Add a new VoIP Provider

Settings / VoIP Provider

To register a new basestation press the "Confirm" button

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

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

Provider	МуРВХ
Domain	PBX IP example: 192.168.5.150

GIGASET Gigaset N720 E	OM PRO			
	Settings	Status		
Network and Connections	List of VoIP Providers			
<ul> <li>VoIP Providers</li> <li>Mobile Devices</li> </ul>	Name	Domain		
Telephony			Edit	
			Edit	
Online Directories			Edit	
Panagement		Not configured	Edit	
		Not configured	Edit	
		Not configured	Edit	
		Not configured	Edit	
		Not configured	Edit	
		Not configured	Edit	
	10. IP10	Not configured	Edit	

← → C 🗋 192.168.5.11/voip_provider_editor.html				
	2			
			Log off	
	Settings	Status		
Network and Connections     VolP Providers	VoIP Provider 1		?	
► Mobile Devices	Profile Download			
<ul> <li>Telephony</li> </ul>	Provider	TiptelMyPBX		
<ul> <li>Info Services</li> </ul>	Profile version			
Online Directories		Select VoIP provider		
P Management				
	General Data of your Service Pr	rovider		
	Domain	192.168.5.150		
	Proxy server address	192.168.5.150		
	Proxy server port	5060		
	Registration server	192.188.5.150		
	Registration server port	5080		
	Registration refresh time	180 sec		
	Network Data of your Service F	Provider		
	STUN enabled	• Yes • No		
	STUN server address			
		3478		
	STUN refresh time	240 sec		
	NAT refresh time	20 sec		
	Outbound proxy mode	Always     Automatic     Nev	er	
	Outbound server address			
	Outbound praxy port	5080		
	Network Protocol			
	Select protocol	● Automatic ● UDP only ● T	CP 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

← → C 🗋 192.168.0.102/se	ttings_telephony_adva	inced.html	
Ginaset Ginset NZ20 DM BRG			
Ciguice against on the			
	Settings	Status	Log of
<ul> <li>Network and Connections</li> </ul>	DTMF over VoIP Connections		
<ul> <li>VolP Providers</li> <li>Mobile Devices</li> </ul>	Automatic negotiation of DTMF transmission	Ves No	
	Send settings of DTMF transmission	Audio 🦉 RFC 2833 🔳 SIP ii	
Dialing Plans			
Advanced VolP Settings	G.722 Codec		
<ul> <li>Online Directories</li> </ul>	Enabling or disabling the G.722 c Connections with mobile devices	odec will restart the system. will be terminated.	
► Management	Enable wideband via codec G.722	● Yes ● No	
	One base station enables a maxin	num of 4 wideband calls.	
	G.729 Codec		
	required.	connection to the internet is	
	Activate G.729 codec	ОК	
	Call Transfer	• Ves • No	
	transfer with SIP Refer method		
	Transfer call by on-hook	• Yes • No	
	Determine target address	Yes     No	
	automatically		
	Hold on transfer target	For attended transfer	
	Hook Flash (R-key)		
	Hook Flash settings are disabled, transfer.	because R-key is used for call	
	Listen Ports for VoIP Connecti	ons	
	Use random ports for SIP SIP nort	• Yes • No	
	RTP port	5004	
	Maximum value for used RTP		
	ports		
		Set Cancel	

f) Change the local settings

Settings/ Management / Local Settings

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

Country	Germany
Tone schema	Germany
all others	default

← → C 🗋 192.168.0.102/settings_management_local_settings.html					
Gigaset Gigaset N720 DM PRC			Log off		
	Settings	Status			
Network and Connections     VaD Providers     Mobile Durkces     Tedgehony     Info Services     Orales Directories     Orales Directories     Durk and Trine     Lood Britings     Modelmensus     Sare and Restore     Redox     System Log     Firmwere Update	Area Codes Salacism of the country determine Country International Area code Area code Use area code for VaB	es the international country code.	?		
	Tone Selection Tone scheme	Germany <b>T</b>			

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

#### a) Configure the LDAP director

a) Configure the LDAP director	C	Directory	MyPBX directory
Settings/Online directories	N	Name	- -
Directory via Lightweight Directory Access Protocol (LDAP) Directory name Infantition Enable directory E	Er	nable irectory	set checkmark
Arrows (b) (LM2 bids base         122/325/32         Enable           Server plone         122/325/32         Enable           D20* eren base (Beach)         LEget (Lege (Le	LDAP is running DAP # (style droom e.g. drops droom and (orgets drops droom e.g. style droom and (orgets drops droom) e.g. orgets droom and (orgets drops droom) e.g. orgets droom and (orgets droom) e.g. orgets droom and (orgets droom) e.g. orgets droom drops droom	erver address	MyPBX IP example 192.168.5.150
Search in the LDAP data Base Durine the RIME reaching for entries in the LDAP data base. Neere RIME (CEAN/CEAN/CEAN/CEAN) Number RIME (CEAN/CEAN/CEAN) Oraping formut (CEAN/CEAN)	LE ba	DAP searche ase	ou=pbx,dc=pbx,dc=com
Nac. number of search results 123 Configuration of Directory Texms The athibutes of the LOAD data must be sufficient to the different directory entries.	Cous	common sername	cn=admin,dc=pbx,dc=com
Servine  Phone (horme) Phone (horme) Phone (affect)	Co	common assword	password
Emai mai fax GepurtmentNumber V	Na	ame filter	( (cn=%)(sn=%)(givenName=%))
Stevet (2ddadoes ) Chy (2) 2) Courts (2) Courts (2	Νι	lumber filter	( telephoneNumber=%)(mobile=%) (homePhone=%))
Additional attribute can be divided	Di	isplay format	%sn,%givenName
	Fi	irst name	givenName
	Su	urname	sn
	Pr	hone(home)	homePhone
	Pr	hone(office)	telephoneNumber
	Pr	hone(mobile)	mobile
	Er	mail	mail
	Co	ompany	departmentNumber
	St	treet	postaladdress

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

## a) register Hanset to DECT system

Click on "Add"

Settings / Mobilte Devices

← → C 🗋 192.168.0.102/mobile\_devices.html





Cancel

×

OK

← → C 🗋 192.168.0.102/mobile\_devices\_registration.html

Die Seite auf 192.168.0.102 meldet:

You should save the new device settings on your PC.

Mobile device registered.

Gigaset Gigaset N720 DM PRO

To start the registration click on "Start registration "

Start the registration on your handset and enter the egistration pin

Pop up appears if registration was successfull

Now		have	to	bhc	tha	M <sub>V</sub> PRX	avtansion	sottings
INOW 1	you	nave	ιU	auu	uie	IVIYFDA	extension	Settings

← → C ∩ 192,168,0.102/	mobile devices editor.ht	tml				
Gigaset Gigaset N720 DM P	so Settings	Status	Log o	A	uthentification name: 310	Register Name : 310
Network and Connections     Vold Products     Redict Descen     Telephany     Info Services     Onler Desctories	Hobile device 1 Mobile device registered Device type DECT user identity (IPU/IPEI) Software version Derevicer public device for this	563000 PBD 00 05 43 12 89 19 Descripter	MyPBX  table	en Konther	uthentification password: nnvsc517	Password: Bnnvsc517
<ul> <li>Hanagement</li> </ul>	SIP connection Personal Provider Data A separate SIP connection must b	be assigned to each handset.	Fields franzois Fields franzois Fields Papel fizzk Papel fizzk	4 Ditra Settings 1 1 1 1 1 1 1 1 1 1 1 1 1	sername:310	Extension :310
	Authentication name Authentication password Usemame Display name			D	isplay Name: Up to you 🙂	
		1: MyFDX Show advanced sett Set Cancel	21 ings	Cli	ck on Show advanced settings	to start the last settings

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

Hide advan

 $\leftarrow$   $\Rightarrow$  C 192.168.0.102/mobile\_devices\_editor.html

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

INT key on the handset. An onlin automatic name search.	e directory can be selected for
Directory for direct access	Local directory
Corporate directory for INT key	PBX directory via LDAP 🔻
Automatic look-up	PBX directory via LDAP V
LDAP Authentication	
To authenticate mobile devices in online directory settings.	dividually, activate this function in
Use personal provider data	
(SIP)	
Password	
Network Mailbox Configuratio	
Call number or SIP name (URI)	12
Activate network mailbox	O Yes ● No
Apply changes for all SIP connections	ОК
Settings for Codecs	
Selected codecs	Available codecs
G.711 a law G.711 u law	Remove >
G.728	Up
	- Down -
Apply codec changes for all	
mobile devices	
Export and import local Direct	
Transfer directory from PC to mo	••• vile device.
Name of directory file	Browse
	Transfer
Save mobile device directory to	Save
PC	
Delete mobile device directory	Delete
Call Manager	
Accept calls directly via Call	via headset
Manager	• via handsfree
	• No
Email	
Authentication name	
Authentication password	
POP3 server	
POP3 server port	110
Check for new email	Ves No
Apply email settings for all	
mobile devices	UK
Marcal College of the second	
Missed/accepted calls count	
Flashing LED (MWI) for missed	
calls	
alarms	
Flashing LED (MWI) for network mailbox	
Apply settings for all mobile	ОК
devices	
Delete entire mobile device	Delete
	Set Cancel

IMPORTANT: click "set"

Step 6: Check the registration

← → C [ 192.168.0.102/mobile_devices.html						
Gigaset Gigaset N720 DM PRO						
	Settings	Status	Log off			
Network and Connections     VoIP Providers     Mobile Devices	List of registered Mobile Device Username Display name SIP co	s / Subscribers Mobile Email nnection device account	?			
I eleptiony     Info Services     Online Directories     Management	1. 310 M 310 The provider account data should is configured.	yPBX S650H PRO 19 already exist before a mobile device	– Edit			
	New mobile device with own data New mobile device by copying data from device	Add	Add			
	Registration PIN User defined PIN Displayed name on idle display	Random     User defined     User name     Display name				
	The DECT Manager starts the che email check is activated. Check for new email	ck for all mobile devices for which the				
		Set Cancel				