



Cloud managed & monitored
VoIP Gateways and Appliances

How to:

Connect snom DECT M65 on a beroNet VoIP Gateway



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Presentation:

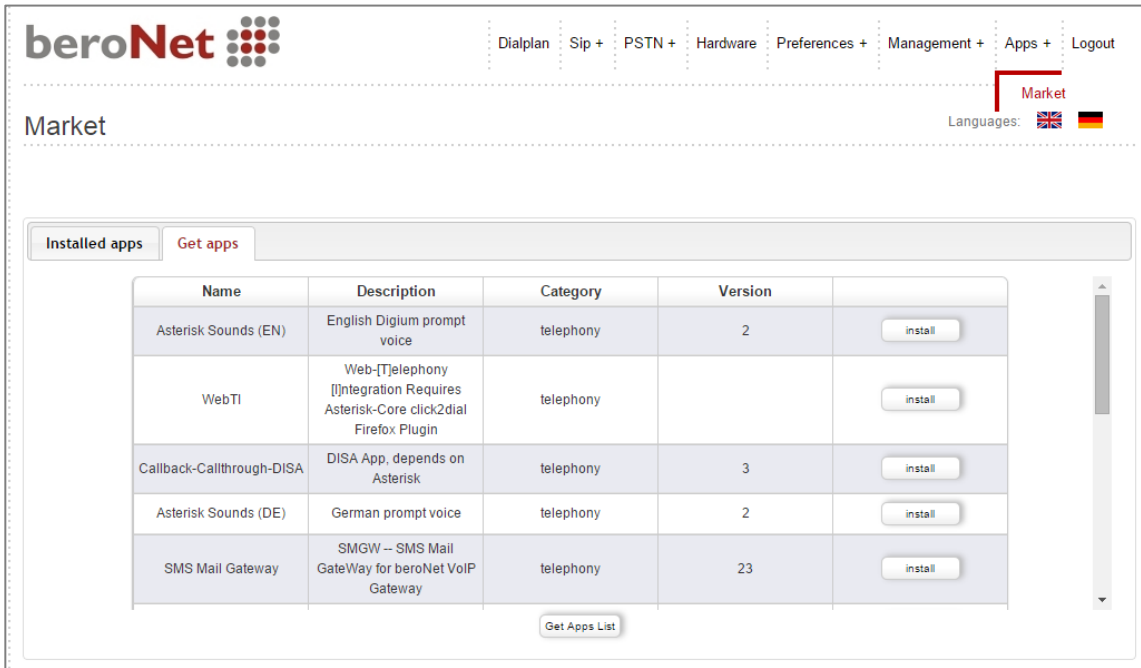
The idea of this how to is to explain how to connect snom M65 DECT to a beroNet gateway. This solution is aimed for small offices. The beroNet applications available on the beroNet market offer a new value to beroNet gateways by enabling the SOHO market to get easy and cheap telecommunication solutions.

Requirements :

- 1 beroNet gateway with firmware 3.x
- 1 M700 snom base
- Several M65 snom DECT

1) Download the applications on the beroNet gateway

On the beroNet WEB Interface (on firmware version 3.x) go to the “Apps +” tab and click on “market”.



The screenshot shows the beroNet WEB Interface. At the top, there is a navigation bar with the beroNet logo and several tabs: Dialplan, Sip +, PSTN +, Hardware, Preferences +, Management +, Apps +, and Logout. The 'Apps +' tab is selected, and a sub-tab 'Market' is highlighted. Below the navigation bar, there is a 'Languages' section with flags for English and German. The main content area is titled 'Market' and contains two tabs: 'Installed apps' and 'Get apps'. The 'Get apps' tab is active, displaying a table of available applications. Each application has an 'install' button next to it. At the bottom of the table, there is a 'Get Apps List' button.

Name	Description	Category	Version	
Asterisk Sounds (EN)	English Digium prompt voice	telephony	2	install
WebTI	Web-[T]elephony [I]ntegration Requires Asterisk-Core click2dial Firefox Plugin	telephony		install
Callback-Callthrough-DISA	DISA App, depends on Asterisk	telephony	3	install
Asterisk Sounds (DE)	German prompt voice	telephony	2	install
SMS Mail Gateway	SMGW -- SMS Mail GateWay for beroNet VoIP Gateway	telephony	23	install

Three different applications have to be downloaded:

- Asterisk Sounds (the language of your choice)
- Asterisk-core
- ZeroconfPBX

The snom DECT will be connected to the zeroconfPBX which has the same IP address as the gateway but it uses port 25060 (ex: 172.20.29.101:25060).

2) Configuration of the M700 and the extensions

2.1 Configuration of the M700

On the WEB interface of the M700, configure the “Servers” part:

- Add the IP address of the zeroconfPBX in the “registrar” place (ex: 172.20.29.101:25060)
- Disable “Secure RTP”

The screenshot shows the 'snom M700' web interface. On the left is a sidebar with navigation links: Home/Status, Extensions, Servers, Network, Management, Firmware Update, Time, Country, Security, Central Directory, Multi cell, Repeaters, Statistics, Configuration, Syslog, SIP Log, and Logout. The main content area is titled 'Servers' and shows a list of servers. The first server, 'beronet:', is selected and its configuration details are shown. The details include: Server Alias (beronet), NAT Adaption (Disabled), Registrar (172.20.29.101:25060), Outbound Proxy, Conference Server, Reregistration time (300), SIP Session Timers (Enabled), Session Timer Value (3600), SIP Transport (UDP), Signal TCP Source Port (Enabled), Use One TCP Connection per SIP Extension (Disabled), RTP from own base station (Disabled), Keep Alive (Enabled), Show Extension on Handset Idle Screen (Enabled), Hold Behaviour (RFC 3264), Attended Transfer Behaviour (Hold 2nd Call), Use Own Codec Priority (Disabled), DTMF Signalling (RFC 2833), DTMF Payload Type (101), Enable Blind Transfer (Enabled), Codec Priority (G711U, G711A, G726), RTP Packet Size (20 ms), Secure RTP (Disabled), Secure RTP Auth (Disabled), and SRTP Crypto Suites (AES_CM_128_HMAC_SHA1_32). At the bottom are 'Save' and 'Cancel' buttons.

2.2 Configuration of the extensions

Connect your extensions via the configuration tools in “Extensions”. Click on “Add Extension”.

snom M700

Edit extension

Line name: Paul

Handset: Handset Idx: 1

Extension: 10

Authentication User Name: 10

Authentication Password:

Display Name:

PIN: **

Mailbox Name:

Mailbox Number:

Server: beronet: 172.20.29.101:25060

Call waiting feature: Enabled

Broadsoft Feature Event Package: Disabled

Forwarding Unconditional Number: Disabled

Forwarding No Answer Number: Disabled 90 s

Forwarding on Busy Number: Disabled

Save Cancel

In order to know the user Name and the “Authentication Password”, please go to the “zeroconfPBX” web interface. You can access it via the “apps +” tab on the beroNet gateway WEB interface.

The “SIP peers” tab gives an overview of the credentials of all the extensions:

beronet

Overview Changelog SIP Peers Management +

zeroconfPBX

SIP Peers	
Name	Secret
10	pxDeiFpG+cNG
11	==IITTOFzWVF
12	93ti*Urm_gxh
13	Ux6P2NL+m1xG
14	oCVNrBbSCv73
15	tEcsjXENFwRD
16	mGw3teoW0Y8Z
17	Mv%vK1f8U?Fv
18	581Q8RNL6ddB
19	6*e0SET2V0s1
20	Iu3BF44?RpRo
21	aQ5nk4e3Htd?
22	Q8LVdCTJEhzC

In this example, extensions 10 and 11 have the following credentials:

- Name: 10 / Secret: pxDeiFpG+cNG
- Name: 11 / Secret: ==lTT0fzWVF

The way the zeroconfPBX works is explained in the “overview tab”. The rules are very simple and cannot be changed.

For more information: wiki.beronet.com