

## Introduktion

Formålet med dette dokument er at beskrive konfigurationen af et N720 Multi celle system på TDC Scale platformen, og forudsætter at Site survey er udført, DECT baser er opsat, tilsluttet og konfigureret i DECT Manager.

### Provider / PBX Information:

|                                    |                        |
|------------------------------------|------------------------|
| Provider or PBX Name:              | TDC – Scale            |
| Platform used:                     | Broadsoft - BroadWorks |
| Software version of Platform / PBX | 420524499              |

### Opsætning af bruger på TDC Scale

Først oprettes en bruger i Selvbetjening Erhverv på normal vis. Som terminaltype vælges: **Mobiler og andre apparater**.

Efter oprettelsen vælges brugeren i bruger-listen og der vælges **Terminal** fanebladet  
→ **Gå til terminalopsætning**.

Vælg **Angiv Manuelt adgangskode** og indtast en selvvalgt kode 2 gange. Denne kode skal benyttes under terminalopsætningen.

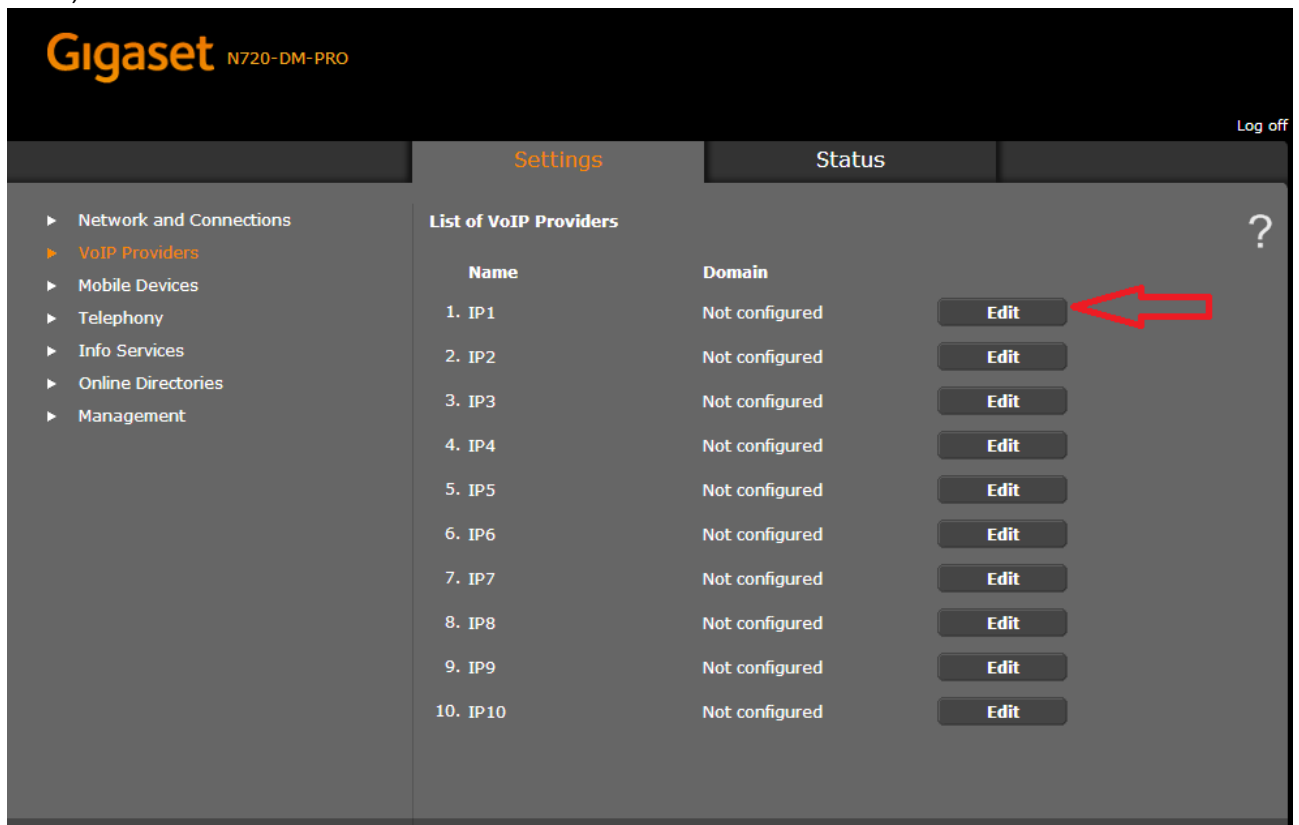
**Opsætning af N720 DM**

- 1) I en webbrowser gå til N720 DM's ip adresse.

Hvis ikke IP kendes, er der flere muligheder for at detektere ip adressen:

- a) Man kan forsøge at bruge denne side : <http://gigaset-config.com/myDevice/>
- b) logge ind på DHCP serveren og se hvilken IP der er blevet tildelt.
- c) alternativt kan et program som scanner lokalnettet for ip adresser benyttes evt: <https://nmap.org/download.html>
- d) Wireshark – kan køres på en computer på netværket, imens at DM starter op vil den sende 4 SIP multicast pakker ud, hvori man kan aflæse IP adressen.

e) Gå til "VoIP Providers" menuen.



**Gigaset** N720-DM-PRO Log off

**Settings** Status

▶ Network and Connections  
▶ **VoIP Providers**  
▶ Mobile Devices  
▶ Telephony  
▶ Info Services  
▶ Online Directories  
▶ Management

**List of VoIP Providers** ?

| Name     | Domain         |                      |
|----------|----------------|----------------------|
| 1. IP1   | Not configured | <a href="#">Edit</a> |
| 2. IP2   | Not configured | <a href="#">Edit</a> |
| 3. IP3   | Not configured | <a href="#">Edit</a> |
| 4. IP4   | Not configured | <a href="#">Edit</a> |
| 5. IP5   | Not configured | <a href="#">Edit</a> |
| 6. IP6   | Not configured | <a href="#">Edit</a> |
| 7. IP7   | Not configured | <a href="#">Edit</a> |
| 8. IP8   | Not configured | <a href="#">Edit</a> |
| 9. IP9   | Not configured | <a href="#">Edit</a> |
| 10. IP10 | Not configured | <a href="#">Edit</a> |

Udfør IP1, tryk på Edit.

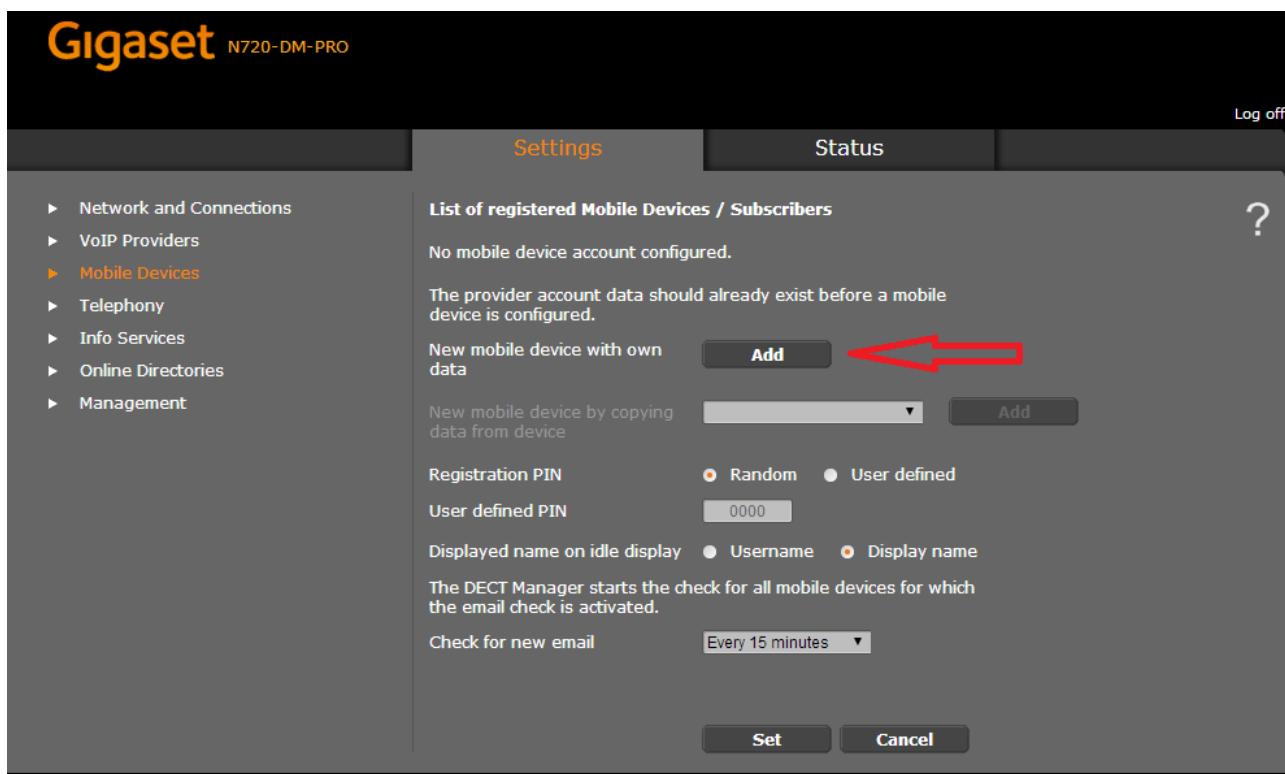
- f) For at konfigurere de generelle SIP indstillinger for Scale platformen, indtast oplysninger som nedenfor.

### VoIP Provider Indstillinger:

|                                  |  |
|----------------------------------|--|
| <b>Provider</b>                  | Valgfrit navn til platformen, evt. "TDC Scale" |
| <b>Domain</b>                    | "vkxxx.hvoip.dk"                               |
| <b>Proxy server address</b>      | 87.48.131.54                                   |
| <b>Proxy server port</b>         | 5060   |
| <b>Registration server</b>       | 87.48.131.54                                   |
| <b>Registration server port</b>  | 5060   |
| <b>Registration refresh time</b> | 1800   |

**Konfiguration af Mobile devices (første lokalnummer):**

- g) Tryk på Mobile devices.  
 h) Tryk på Add udfor **New mobile device with own data.**



- i) Indtast oplysninger om konti som nedenfor i tabellen samt på billedet på næste side.

**Bruger konti (Mobile devices) Indstillinger:**

| <u>Gigaset N720 Parameter</u>  | <u>TDC Scale Parameter</u>                            |
|--|---|
| Authentication name<br>( <b>indtastes UDEN</b> @vk123456.hvoip.dk<br>dvs. Kun navnet foran @)<br><b>Eks: michael</b> | Authentication name<br>Eks: michael@vk123456.hvoip.dk |
| Authentication Password  | Password  |
| Username<br>( <b>indtastes UDEN</b> @vk123456.hvoip.dk<br>dvs. Kun navnet foran @)                                   | Authentication name<br>Eks:michael@vk123456.hvoip.dk  |

**Gigaset N720-DM-PRO** Log off

**Settings** Status

- ▶ Network and Connections
- ▶ VoIP Providers
- ▶ **Mobile Devices**
- ▶ Telephony
- ▶ Info Services
- ▶ Online Directories
- ▶ Management

**Mobile device 1** ?

No handset registered.

Register mobile device for this SIP connection **Start registration**

**Personal Provider Data**

A separate SIP connection must be assigned to each handset.

Authentication name:

Authentication password:

Username:

Display name:

Select VoIP provider:

**Hide advanced settings**

**Online Directories**

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

Directory for direct access:

Corporate directory for INT key:

Automatic look-up:

**LDAP Authentication**

To authenticate mobile devices individually, activate this function in online directory settings.

Use personal provider data (SIP):

Password:

**Network Mailbox Configuration**

Call number or SIP name (URI):

Activate network mailbox:  Yes  No

Apply changes for all SIP connections: **OK**

**Settings for Codecs**

| Selected codecs | Available codecs |
|-----------------|------------------|
| G.722           | G.711 μ law      |
| G.711 a law     | G.726            |
|                 | G.729            |

Buttons: < Add, Remove >, Up, Down

Apply codec changes for all mobile devices: **OK**

**Export and import local Directory**

No handset registered.

**Call Manager**

Accept calls directly via Call Manager:  via headset,  via handsfree,  No

**Email**

Authentication name:

Authentication password:

POP3 server:

POP3 server port:

Check for new email:  Yes  No

Secure connection (TLS):  Yes  No

Apply email settings for all mobile devices: **OK**

**Missed Calls and Alarms**

Missed/accepted calls count:

Flashing LED (MWI) for missed calls:

Flashing LED (MWI) for missed alarms:

Flashing LED (MWI) for network mailbox:

Apply settings for all mobile devices: **OK**

**Set** **Cancel**

- j) Konfigurer derefter følgende indstillinger :
- Network mailbox configuration, Call number or SIP name (URI): **\*62**
  - Activate network mailbox : Yes
  - Selected Codecs: G.722, G.711 a-law (marker og fjern resten)
- k) I toppen af billedet tryk på "Start Registration" og registrer DECT håndsæt (NB!  
DECT baser skal være registreret og være "Active and synced" før dette er muligt).

### Konfiguration af Mobile devices (Næste lokalnummer):

- l) Tryk på Mobile devices endnu engang.
- m) Vælg : **Create new mobile device by copying data from device: (vælg det netop konfigurerede lokalnummer).**
- n) Indtast oplysninger om konti som nedenfor og tryk på "Start Registration".

### Bruger konti (Mobile devices) Indstillinger:

| <u>Gigaset N720 Parameter</u>   | <u>TDC Scale Parameter</u>                            |
|---|---|
| Authentication name<br><b>(indtastes UDEN @vk123456.hvoip.dk<br/>dvs. Kun navnet foran @)</b> | Authentication name<br>Eks: michael@vk123456.hvoip.dk |
| Authentication Password   | Password  |
| Username  | Name  |

**Ændring af generelle indstillinger og opdatering af firmware:**

- o) Firmware opdateres til seneste version (25/05-2014 er dette Rel85):

Management → Firmware Update: Update firmware (dette kræver adgang til internettet fra DECT systemet).

**Gigaset** N720-DM-PRO Log off

**Settings** Status

**Settings for Firmware Update and Downgrade** ?

Current firmware version of DECT Manager 70.089.00.000.00

Firmware status of base stations is shown on status page.

Data server

Configuration file (URL)

Update strategy for base stations  Simultaneous  Sequential

**Set** **Cancel**

**Start Firmware Update or Downgrade**

Available firmware version of DECT Manager \*\*.089.\*\*.\*\*\*.\*\*

Update time  Immediately  Later

Time  h  min

Date  y  m  d

On starting the firmware update the device checks if the requirements of a successful firmware download are fulfilled. The firmware is then downloaded without additional feedback. During download and update the handset / base connection is lost. A successful update results in the handset re-establishing the base connection.

**Update firmware**

You can downgrade the firmware to the previous version.

Previous DECT Manager version \*\*.085.\*\*.\*\*\*.\*\*

**Start downgrade**

You can downgrade the firmware to the delivery version. All your personal settings will be deleted.

**Start downgrade**



- p) Network and Connections → Security settings: Allow access from other networks :  
Yes
- q) Telephony → Advanced VoIP Settings: Transfer Call by On-Hook: Yes
- r) Telephony → Advanced VoIP Settings: "Enable wideband via codec G.722" : Yes  
(Sættes hvis man ønsker at benytte Wideband codec G.722. OBS! Dette begrænser antal af kanaler til 4 per DECT base, ved G.711 er dette 8 kanaler).
- s) Management → Date & Time → Time Server: 87.48.133.100
- t) Management → Local settings → Country: Denmark