

Introduktion

Formålet med dette dokument er at beskrive konfigurationen af et N510 single cell system på TDC Scale platformen.

I denne vejledning vil jeg konfigurere de 2 fiktive brugere:

- 1) user1@vk123456.hvoip.dk
- 2) user2@vk123456.hvoip.dk

Provider / PBX Information:

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

Konti Indstillinger:

SIP Konti	Konti 1	Konti 2
Connection Name or Number	michael	marcus
Authentication name	michael	marcus
Authentication password	* Authentication Password1*	* Authentication Password1*
Username	user1	user2
Domain	"vk123456.hvoip.dk"	
Proxy server address	87.48.131.54	
Proxy server port	5060	
Registration server	87.48.131.54	
Registration server port	5060	
Registration refresh time	1800	

Oversættelse af parametre fra Gigaset til TDC Scale:

Gigaset N510	TDC Scale
Authentication name	Name
Authentication password	Password
Username	Name
Domain	Proxy Adresse Eks.: vk123456.hvoip.dk

Konfiguration af bruger konti:

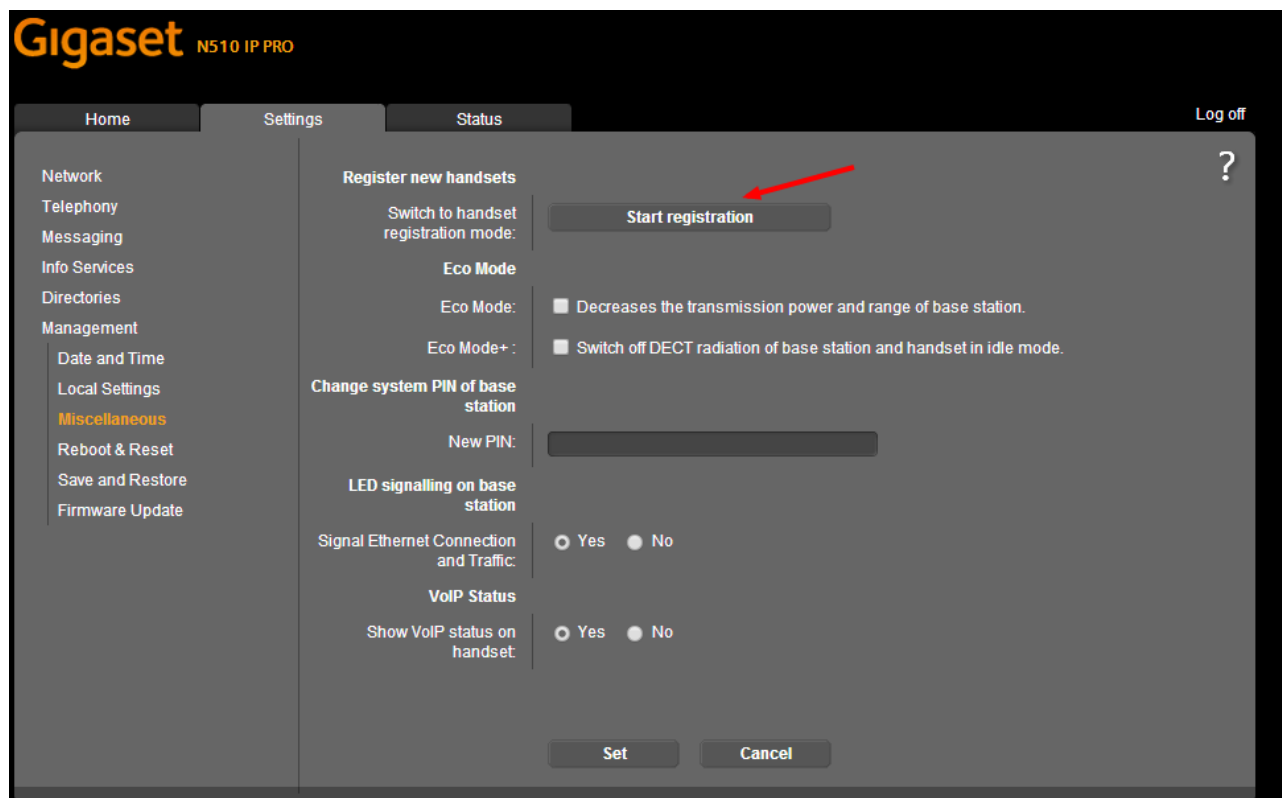
- 1) Alle håndsat registreres til basen. For hvert håndsat der skal registreres, skal basen sættes i registrerings mode.

Der er 2 måder at gøre dette på

- a) ved at trykke knappen på fronten af basen ind i ca. 3sek.
- b) Har man ikke fysisk adgang til basen, kan dette også gøres via webinterfacet.

Gå til: Management → Miscellaneous → Start registration.

Derefter kan håndsatet registreres (koden er som standard: 0000)



- 2) Har man ikke IP adressen til basen, men har et håndsæt registreret, kan man trykke en enkelt gang på basens knap på forsiden, håndsættene ringer, og viser basens IP adresse i displayet.
- 3) På en Pc/Mac åben en web browser, og surf ind på basens hjemmeside :

<http://<IP-adresse>>

- 4) Gå til Telephony → Connections : Der trykkes på Edit udfor Connection 1.

Gigaset N510 IP PRO

Home Settings Status Log Off

Network
Telephony
Connections
Audio
Number Assignment
Call Divert
Dialling Plans
Network Mailboxes
Advanced VoIP settings
Messaging
Info Services
Directories
Management

Overview of connections

Name	Provider	Status	Active	
1. IP1	Other Provider	Not configured	<input type="checkbox"/>	Edit
2. IP2	Other Provider	Not configured	<input type="checkbox"/>	Edit
3. IP3	Other Provider	Not configured	<input type="checkbox"/>	Edit
4. IP4	Other Provider	Not configured	<input type="checkbox"/>	Edit
5. IP5	Other Provider	Not configured	<input type="checkbox"/>	Edit
6. IP6	Other Provider	Not configured	<input type="checkbox"/>	Edit

Provider or PBX profile

A profile contains all relevant settings for your provider or phone system (PBX).

Automatic check for profile updates:
 Yes No

Update Profile

Set Cancel

- 5) Oplysninger indtastes som nedenfor, se dog info om parameter navne på side 1. Alle andre parametre efterlades uberørt.

OBS! Brugernavnet skrives UDEN "@vk123456.hvoip.dk"

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1. IP Connection

Assign a connection name or actual phone number for identification.

Connection Name or Number:

Start Configuration Assistant

Provider: Other Provider

Profile Version

Personal Provider Data

Authentication name:

Authentication password:

Username:

Display name:

Hide Advanced Settings

General data for your service provider

Domain:

Proxy server address:

Proxy server port:

Registration server:

Registration server port:

Registration refresh time: sec

Network data for your service provider

STUN enabled: Yes No

STUN server address:

STUN server port:

STUN refresh time: sec

NAT refresh time: sec

Outbound proxy mode: Always Automatic Never

Outbound server address:

Outbound proxy port:

Select Network Protocol:

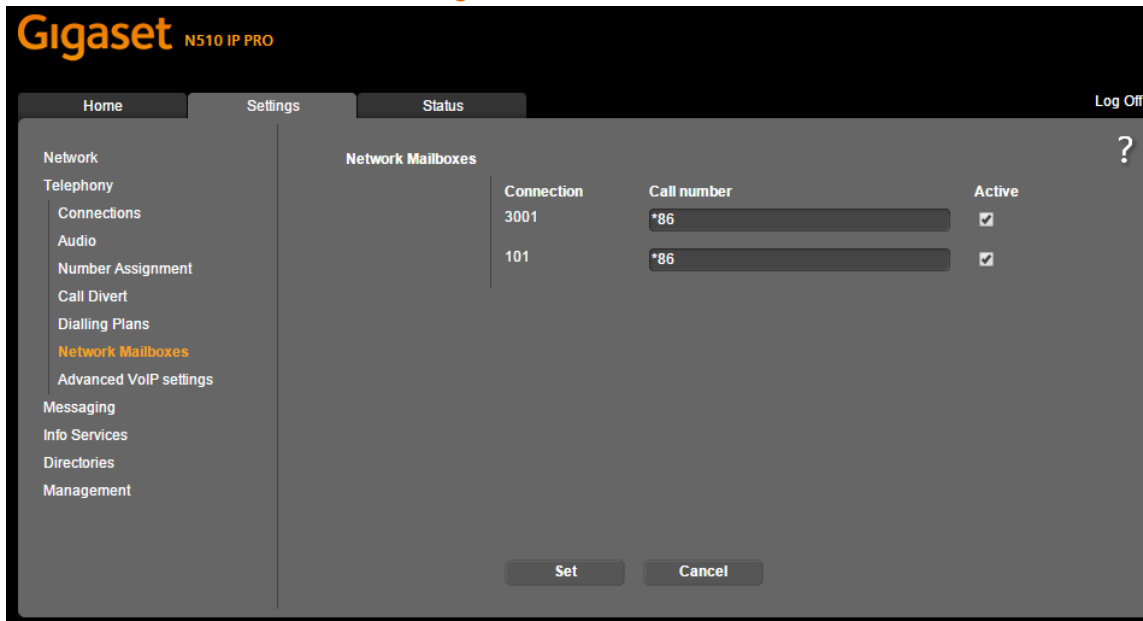
Set Cancel Delete Connection

- 6) Dette gentages for hver bruger konti som ønskes på dect basen, i de efterfølgende IP Connections (IP2/IP3/IP4/IP5/IP6).

For at modtage MWI notifikationer om beskeder i voicemail skal Network mailboxes konfigureres:

Telephony→Network mailboxes:

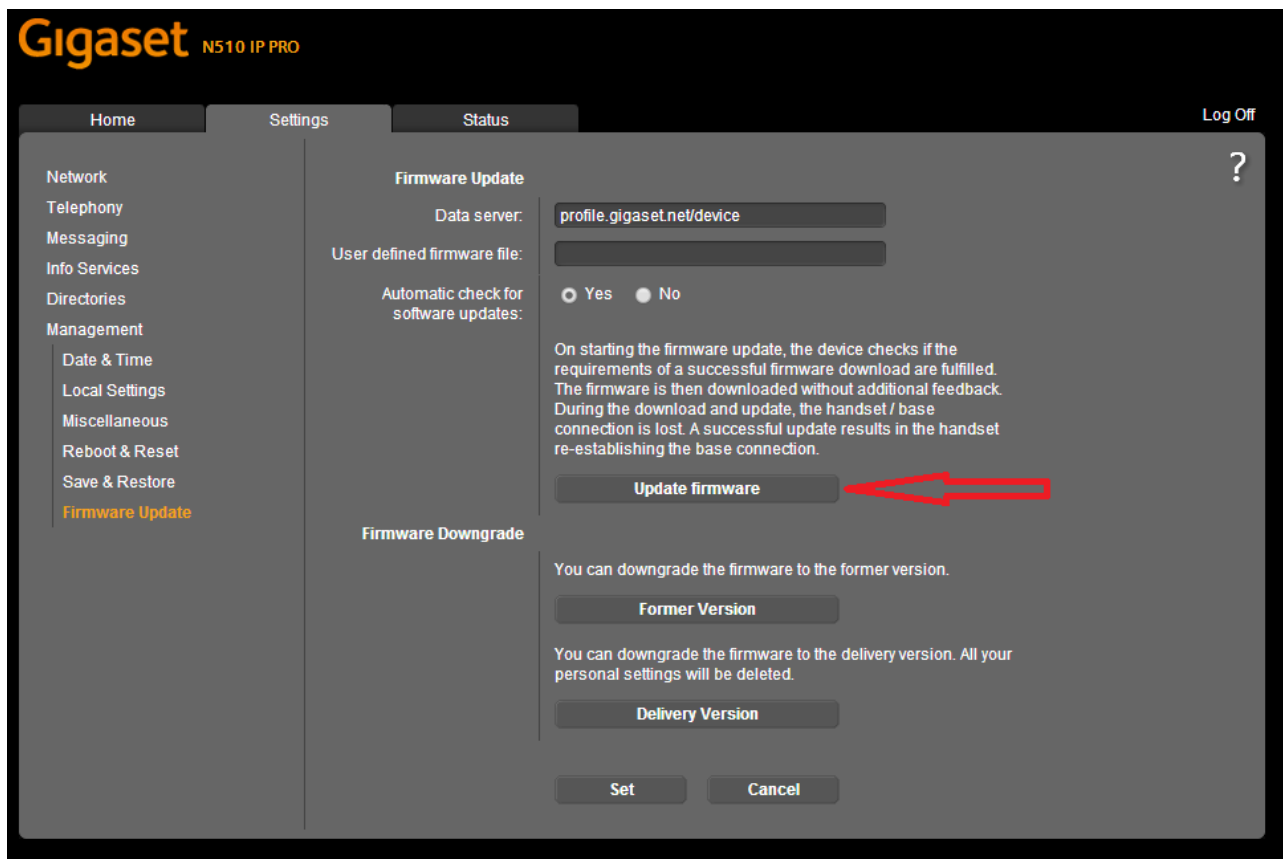
For hver Connection skal der konfigureres network mailbox nummeret: *86



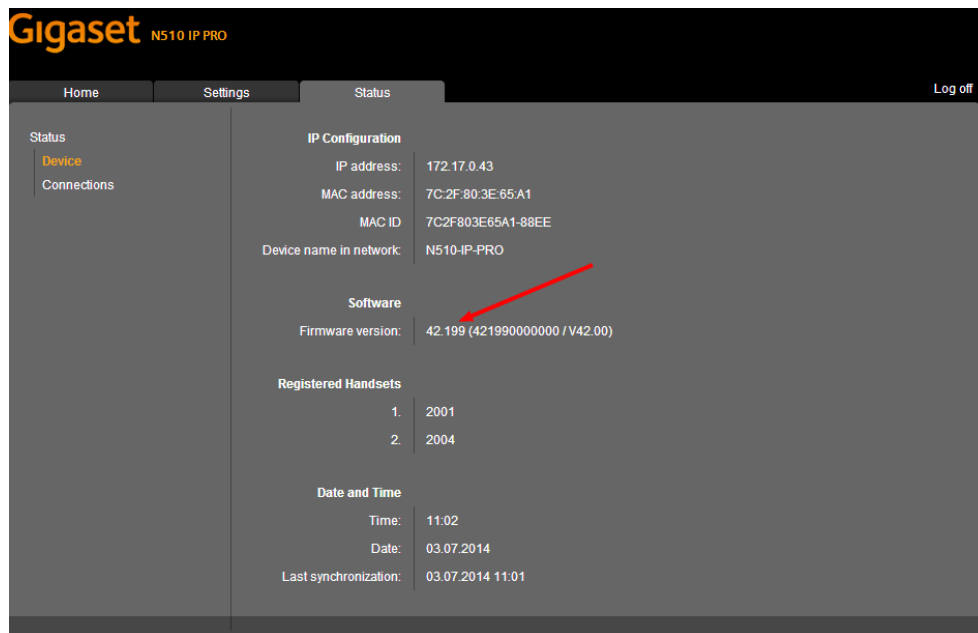
Ændring af generelle indstillinger og opdatering af firmware:

- 1) Firmware opdateres til seneste version (03/07-2014 er dette Rel 199):

Management → Firmware Update: Update firmware (dette kræver adgang til internettet fra Dect basen), vent til basen er færdig med at opdatere og har genstartet før næste skridt.



2) Kontroller at basen har opdateret til den seneste firmware på status siden :



- 3) Tilret så basen kan tilgås fra andre netværk end dets eget :IP Configuration → (Advanced settings) Allow access from other networks : Yes

The screenshot shows the Gigaset N510 IP PRO web interface. The main menu on the left includes Network, IP Configuration (highlighted), Security, Telephony, Messaging, Info Services, Directories, and Management. The main content area is divided into sections: Address Assignment, Remote Management, HTTP proxy, and VLAN Tagging. In the Remote Management section, the 'Allow access from other networks' option is set to 'No', and a red arrow points to this radio button. Below this option, a warning message states: 'Activating this parameter increases the risk of unauthorised access to your device settings.' Other settings include IP address type (Obtained automatically), IP Address (192.168.0.191), Subnet mask (255.255.255.000), Default Gateway (192.168.0.010), Preferred DNS server (192.168.0.010), and Alternate DNS server (empty). The Device Name in the Network is N510-IP-PRO. The HTTP proxy section has 'Enable proxy' set to 'No'. The VLAN Tagging section has 'Use VLAN Tagging' set to 'No'. At the bottom, there are 'Set' and 'Cancel' buttons.

4) Tilret indstillinger for Codecs :

Telephony → Audio → Voice quality : Own Codec Preference

5) Vælg de Codecs som skal bruges:

Telephony → Audio → Selected Codecs: G722, G711 alaw

(resten slettes, og dette gentages for alle konfigurerede SIP konti hvis der er mere end 1).

The screenshot shows the Gigaset N510 IP PRO web interface. The top navigation bar includes 'Home', 'Settings', and 'Status', with 'Settings' selected. A 'Log Off' link is in the top right. A left sidebar lists various settings categories: Network, Telephony (with sub-items like Connections, Audio, Number Assignment, Call Divert, etc.), Messaging, Info Services, Directories, and Management. The main content area is titled 'Settings for Bandwidth' and contains a descriptive paragraph about VoIP call quality. Below this are radio buttons for 'Allow 1 VoIP call only' (Yes/No) and 'Voice Quality' (Optimized for high/low bandwidth, Own Codec preference). A 'Hide Advanced Settings' button is present. The 'Settings for individual VoIP connections' section is for 'user1' and includes a 'Volume for this VoIP Account' (Low/Normal/High) and 'Selected codecs' (G.722, G.711 a law) and 'Available codecs' (G.729, G.726, G.711 μ law) lists with 'Add', 'Remove', 'Up', and 'Down' buttons. At the bottom, there are 'Settings for codecs' (Enable Annex B for codec G.729: Yes/No) and 'Set'/'Cancel' buttons.

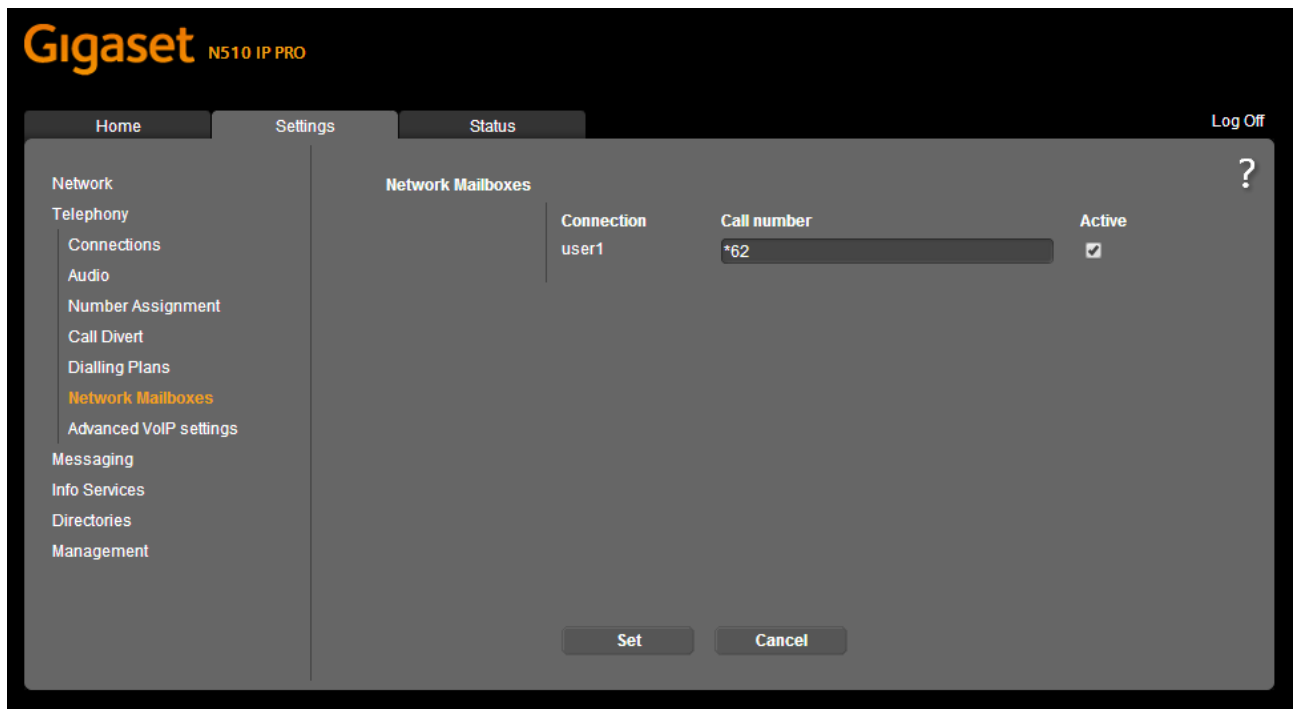
- 6) Telephony → Number Assignment : Name ændres til ønskede navn som skal stå i håndsættes display (valgfrit).
- 7) (Kun hvis der er mere end 1 bruger konti konfigureret) Telephony → Number Assignment : Der vælges hvilken bruger konti der skal bruges til ud og indkommede opkald, på det enkelte håndsæt.

The screenshot shows the Gigaset N510 IP PRO web interface. The top navigation bar includes 'Home', 'Settings', and 'Status'. The left sidebar lists various settings categories: Network, Telephony (with sub-items: Connections, Audio, Number Assignment, Call Divert, Dialling Plans, Network mailboxes, Advanced VoIP Settings), Messaging, Info Services, Directories, and Management. The main content area is titled 'Number Assignment' and contains the following sections:

- Handsets**: A section for configuring individual handsets. It includes a description: 'Select the connection for outgoing calls and also one or more connections for incoming calls for each handset.' It lists two handsets, INT 1 and INT 2, each with a 'Name' field (User1 and User2 respectively) and a table of connection settings.
- Call Manager**: A section for configuring the PC Call Manager. It includes a description: 'Select the connection and the associated handset for your PC Call Manager.' It lists two connections, 2001 and 2004, with 'Enable Call Manager' and 'Mobile device' settings.

Red arrows in the image point to the 'Name' fields for User1 and User2, the 'for outgoing calls' radio buttons for connections 2001 and 2004, and the 'for incoming calls' checkboxes for connections 2001 and 2004.

- 8) Telephony → Mailboxes: Her indtastes nummeret der bruges til at ringe op til voicemail systemet (*62) når der trykkes på mail besked knappen.



9) Tilret så basen viderekobler samtale ved pålægning af røret:

Telephony → Advanced VoIP Settings: Transfer Call by On-Hook: Yes

The screenshot shows the Gigaset N510 IP PRO web interface. The left sidebar contains a navigation menu with categories: Network, Telephony, Messaging, Info Services, Directories, and Management. Under 'Telephony', 'Advanced VoIP settings' is selected. The main content area is titled 'DTMF over VoIP connections' and includes several settings sections:

- DTMF over VoIP connections:** 'Automatic negotiation of DTMF transmission' is set to 'No'. A note states: 'When using G.722-Codecs (wide-band connection) DTMF signals cannot be transmitted via audio.'
- Call Transfer:** 'Use the R key to initiate call transfer:' is set to 'No'. 'Transfer Call by On-Hook:' is set to 'No', with a red arrow pointing to this option.
- Find target addr. automatically:** Set to 'No'.
- Derive target address:** Options are 'from the SIP URL' and 'from the SIP contact header', both set to 'No'.
- Hold on transfer target:** 'For attended transfer' is checked, and 'For unattended transfer' is unchecked.
- Hook Flash (R-key):** A note states: 'R-key settings are disabled because the R key is used for call transfer.'
- Listen ports for VoIP connections:** 'Use random ports:' is set to 'No'. 'SIP port' is 5060 and 'RTP port' is 5004.
- Music on hold:** Set to 'No'.

At the bottom of the settings area are 'Set' and 'Cancel' buttons. A 'Log Off' link and a help icon (?) are visible in the top right corner.

10) Indstil så basen henter sin tid fra TDC's tidsserver:

Management → Date & Time → Time Server: 87.48.133.100

