

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) michael@vk123456.hvoip.dk
- 2) marcus@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	michael	marcus
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:

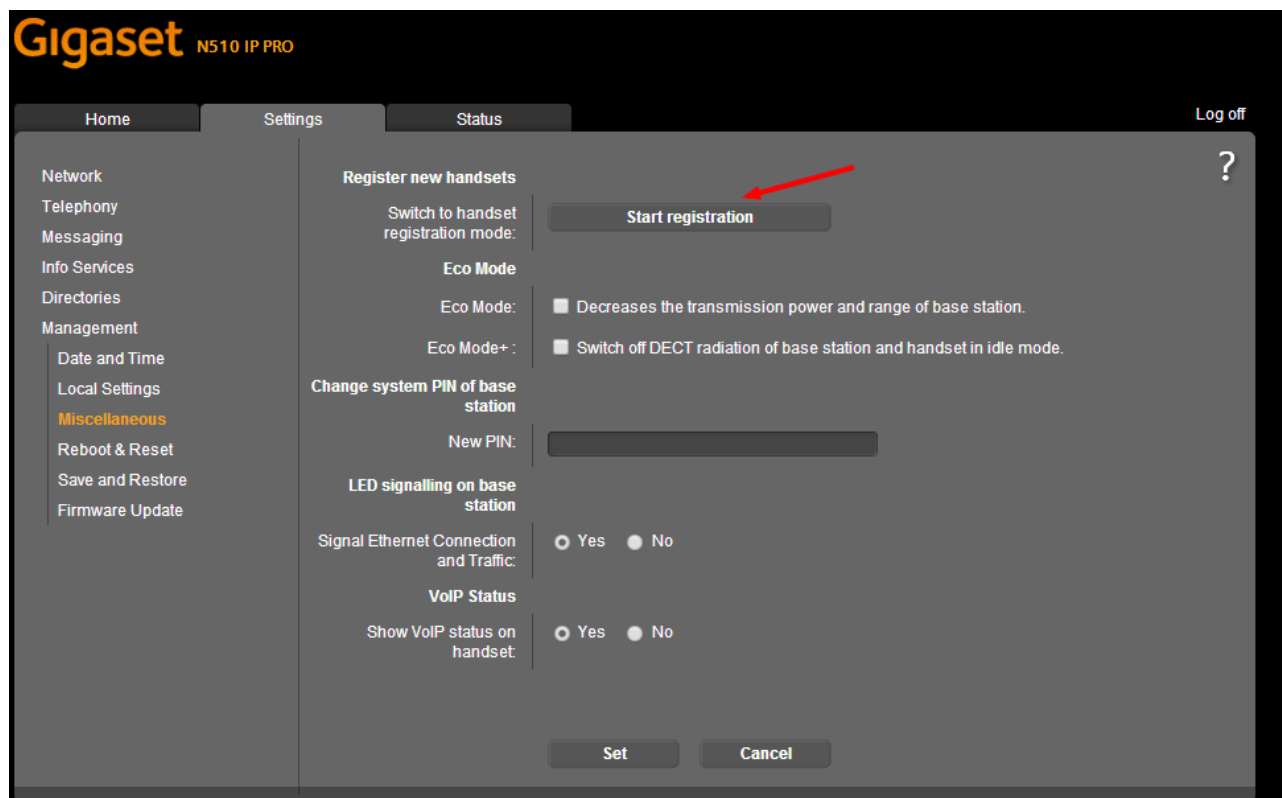
- 1) Alle håndsat registreres til basen. For hvert håndsat der skal registreres, skal basen sættes i registrerings mode.

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.
OBS! Alle andre parametre efterlades uberørt.

The screenshot shows the '1. IP Connection' configuration page in the Gigaset N510 IP PRO web interface. The page is divided into several sections:

- Personal Provider Data:**
 - Connection Name or Number: user1
 - Provider: Other Provider
 - Profile Version: (empty)
 - Authentication name: user1
 - Authentication password: (empty)
 - Username: user1
 - Display name: (empty)
- General data for your service provider:**
 - 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 sec
- Network data for your service provider:**
 - STUN enabled: Yes (selected), No
 - STUN server address: (empty)
 - STUN server port: 3478
 - STUN refresh time: 240 sec
 - NAT refresh time: 20 sec
 - Outbound proxy mode: Always (selected), Automatic, Never
 - Outbound server address: (empty)
 - Outbound proxy port: 5060
 - Select Network Protocol: Automatic

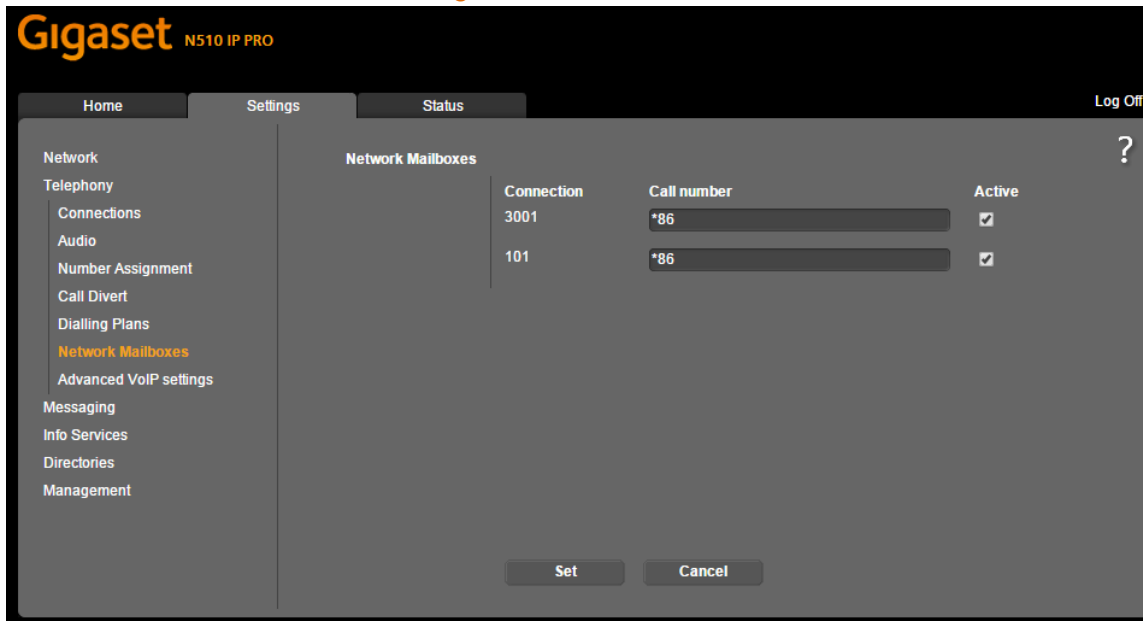
Buttons at the bottom: Set, Cancel, Delete Connection.

- 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:

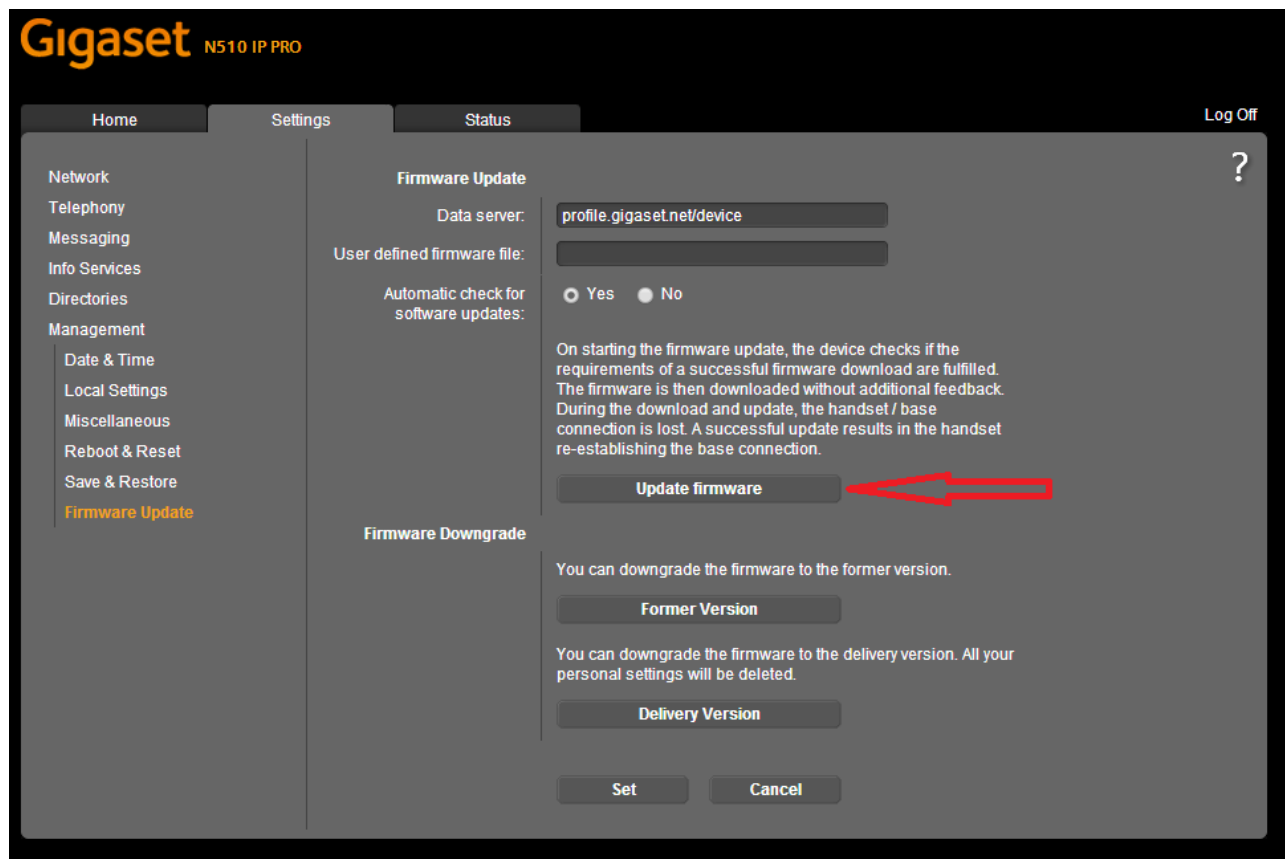
For hver Connection skal der konfigureres network mailbox nummeret: *86



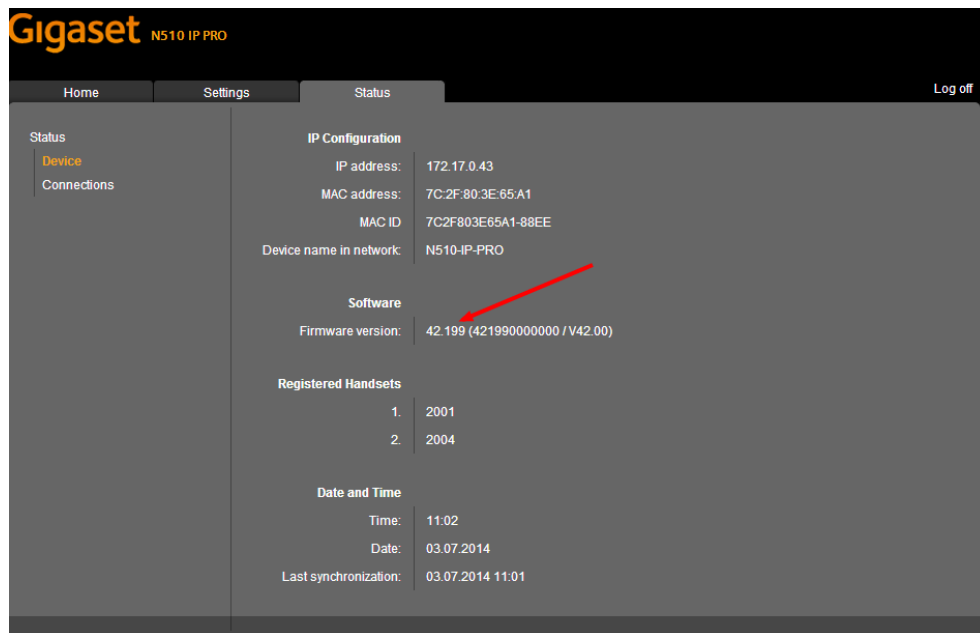
Ændring af generelle indstillinger og opdatering af firmware:

- 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: Home, Settings, and Status. Under Settings, there is a sub-menu for Network, with IP Configuration selected. Other options in the sub-menu are Security, Telephony, Messaging, Info Services, Directories, and Management. The main content area is titled 'Address Assignment' and contains the following settings:

- IP address type: Obtained automatically
- IP Address: 192 - 168 - 000 - 191
- Subnet mask: 255 - 255 - 255 - 000
- Default Gateway: 192 - 168 - 000 - 010
- Preferred DNS server: 192 - 168 - 000 - 010
- Alternate DNS server: [Empty]

Below these settings is a 'Hide Advanced Settings' button. The 'Remote Management' section contains the following settings:

- Allow access from other networks: Yes No (highlighted with a red arrow)
- Device Name in the Network: N510-IP-PRO
- HTTP proxy: Enable proxy: Yes No
- Proxy server address: [Empty]
- Proxy server port: 0

The 'VLAN Tagging' section contains the following settings:

- Use VLAN Tagging: Yes No
- VLAN Identifier: 0
- VLAN Priority: 0

At the bottom of the settings area are 'Set' and 'Cancel' buttons. A red arrow points to the 'No' radio button in the 'Allow access from other networks' section.

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: 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 'Settings for Bandwidth' and contains a descriptive paragraph about VoIP call quality. Below this are two sections: 'Settings for individual VoIP connections' for 'user1', which includes a 'Volume for this VoIP Account' setting (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. The bottom section is 'Settings for codecs', with 'Enable Annex B for codec G.729' set to 'No'. 'Set' and 'Cancel' buttons are at the bottom.

- 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 'Number Assignment' configuration page in the Gigaset N510 IP PRO web interface. The page is divided into sections for 'Handsets' and 'Call Manager'. Red arrows point to the 'Name' fields for 'User1' and 'User2', and to the radio buttons and checkboxes for outgoing and incoming call assignments for connections 2001 and 2004.

Handsets

INT 1

Name: User1

Connection	for outgoing calls	for incoming calls
2001	<input type="radio"/>	<input checked="" type="checkbox"/>
2004	<input type="radio"/>	<input type="checkbox"/>

Select line for each outgoing call:

INT 2

Name: User2

Connection	for outgoing calls	for incoming calls
2001	<input type="radio"/>	<input type="checkbox"/>
2004	<input type="radio"/>	<input checked="" type="checkbox"/>

Select line for each outgoing call:

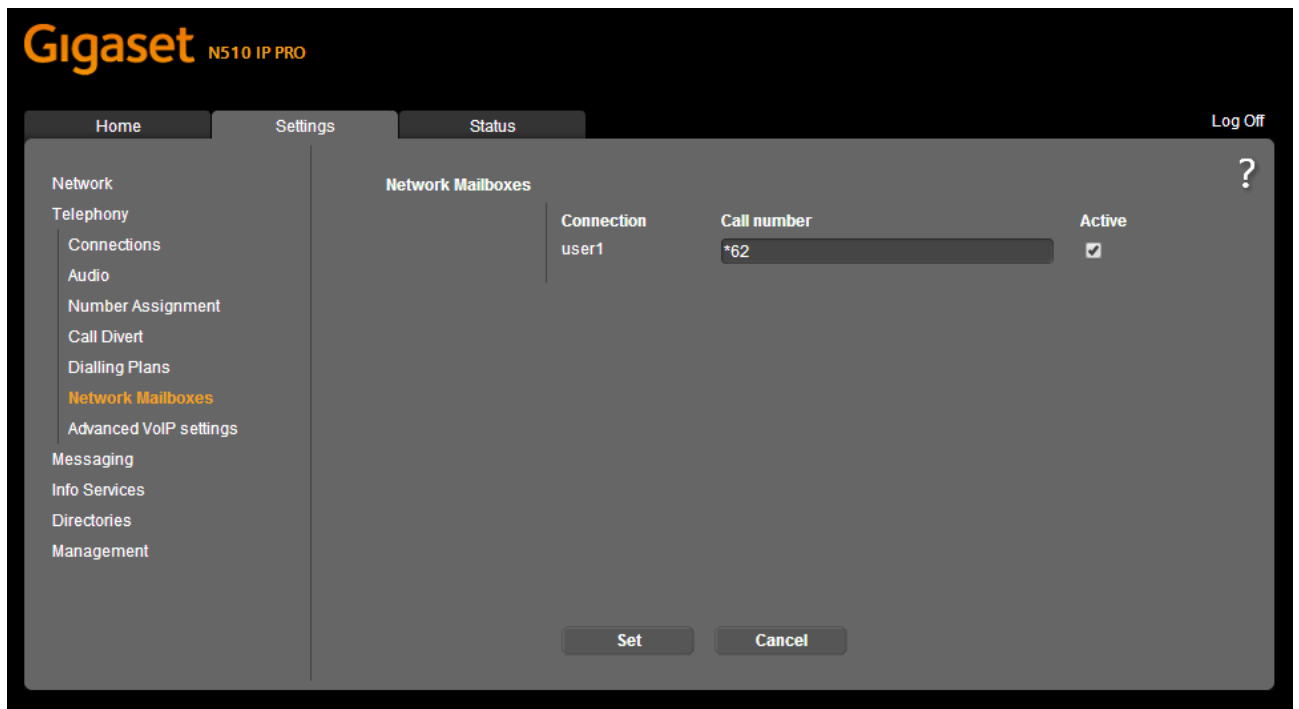
Call Manager

Select the connection and the associated handset for your PC Call Manager.

Connection	Enable Call Manager	Mobile device
2001	No	2001
2004	No	2004

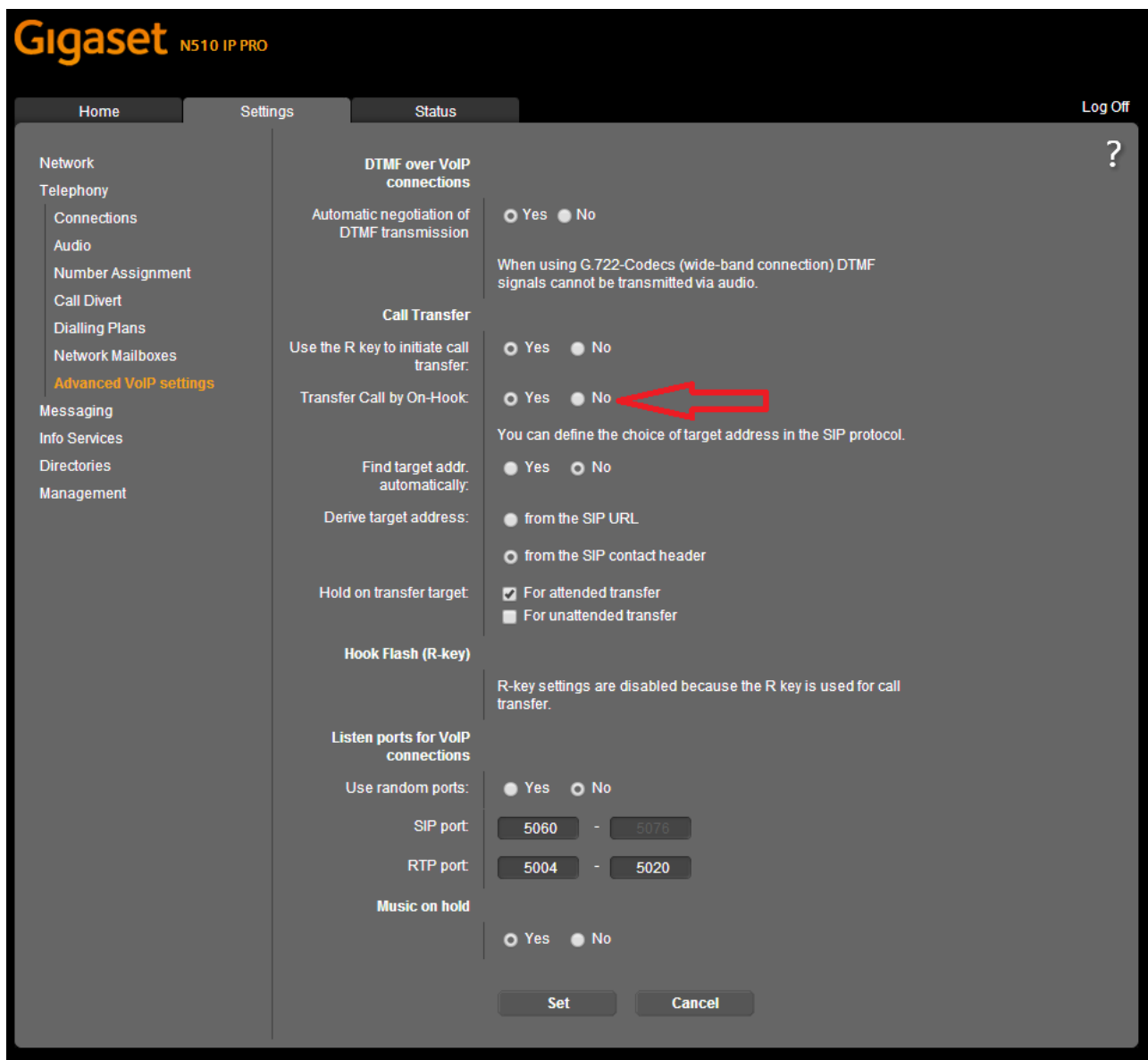
Buttons: Set, Cancel

- 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



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

Management → Date & Time → Time Server: 87.48.133.100

