

iSMS MultiModem

Opsætning og opdatering

Tilgå modemmet

Gateway'en er prækonfigureret med ip adresse 192.168.2.1 med en 24 bit subnet mask (255.255.255.0)

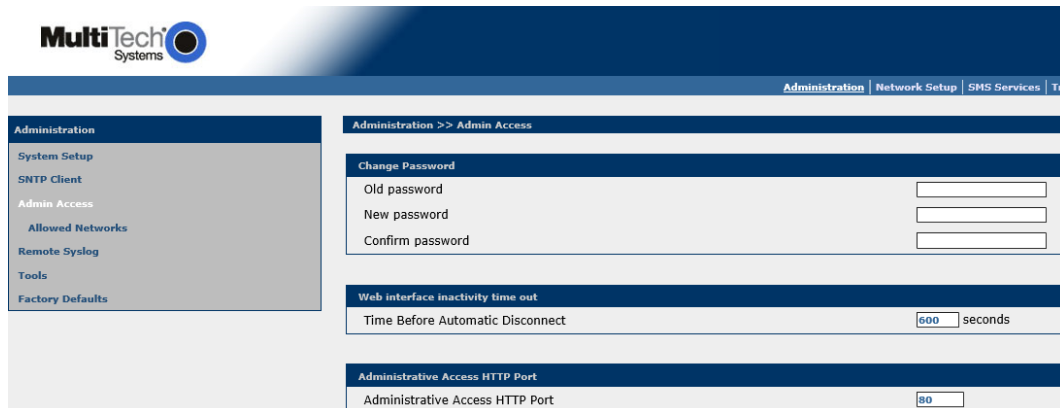
For original manual se [SMS Gateway Manual](#) under "Support" -> "Manualer" på vores hjemmeside.

Du kan forbinde til Modemmet via et traditionelt RJ45 Ethernet kabel eller et krydset kabel.

- 1) Sæt et RJ45 Ethernet kabel i modemets LAN port og i din maskine
- 2) Giv din maskine en ip adresse på samme netværk fx 192.168.2.2 med subnet 255.255.255.0
- 3) Åben Internet Explorer og tilgå <http://192.168.2.1>
 - a. Default User Name: admin
 - b. Defult password: admin
- 4) Konfigurer modemmet som angivet i dette dokument.

Admin adgang

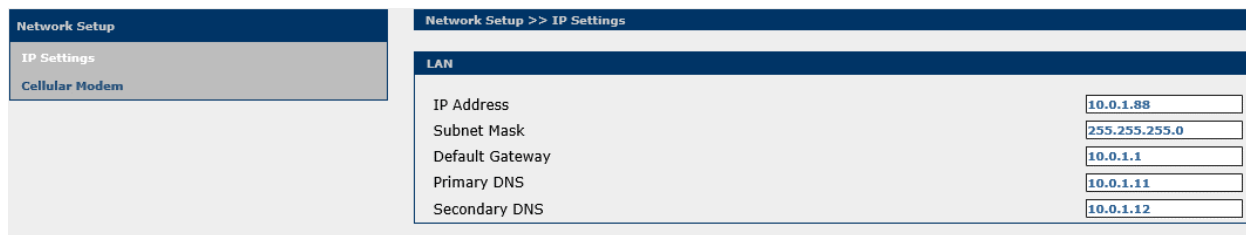
Husk at ændre default password, da modemmet ellers vil være muligt at tilgå efter at have læst vores eller MultiTechs Gateway Manual.



The screenshot shows the MultiTech Systems web interface. The main menu on the left includes Administration, System Setup, SNTP Client, Admin Access, Allowed Networks, Remote Syslog, Tools, and Factory Defaults. The 'Admin Access' section is active, showing options to change the password, set the web interface inactivity timeout (currently 600 seconds), and set the administrative access HTTP port (currently 80).

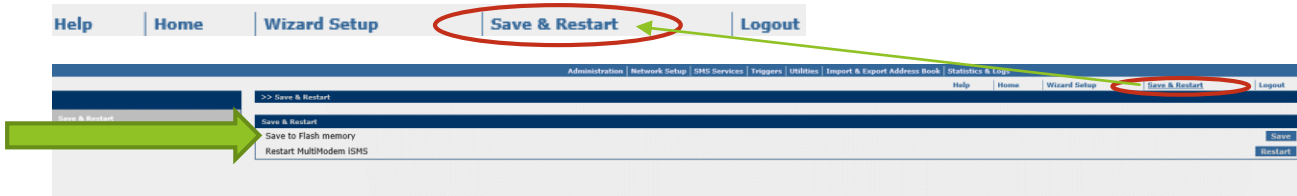
IP adresse

Angive en ip adresse, som passer til det netværkssegment, som udstyret skal tilsluttes.



The screenshot shows the MultiTech Systems web interface for IP Settings. The 'LAN' section is active, showing fields for IP Address (10.0.1.88), Subnet Mask (255.255.255.0), Default Gateway (10.0.1.1), Primary DNS (10.0.1.11), and Secondary DNS (10.0.1.12).

Husk at gemme konfigurationen vha. "Save to Flash" inden du slukker og fysisk flytter enheden.

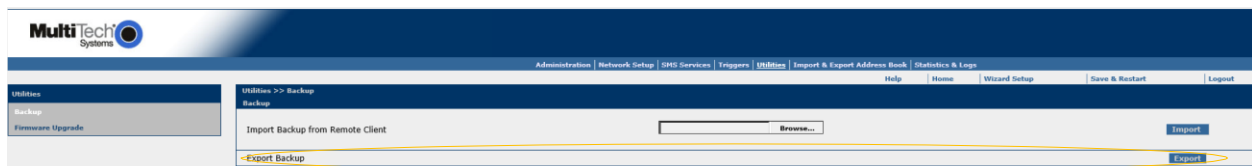


Opdatering

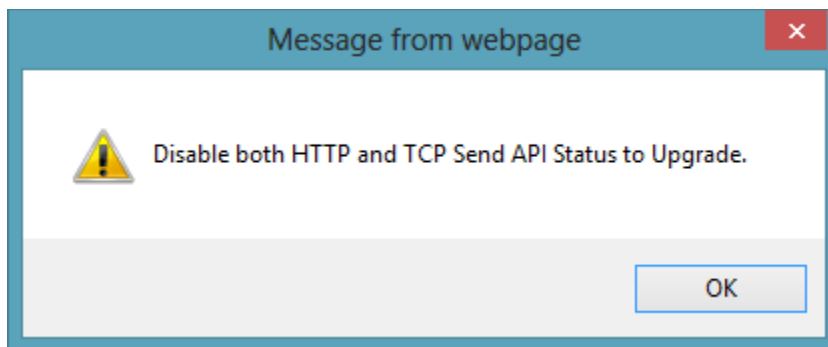
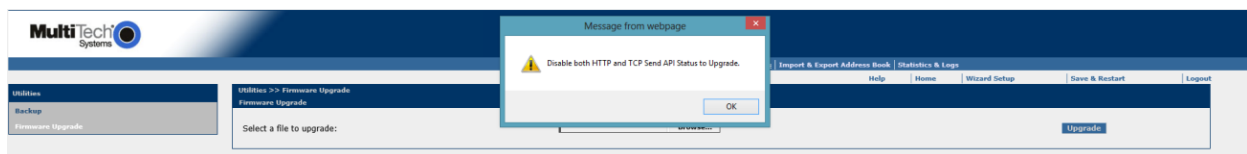
Der vil typisk ligge en nyere version af firmwaren på vores hjemmeside, som det anbefales at lægge på inden konfiguration.

Inden opdatering af firmwaren er det nødvendigt at deaktivere både "Http- & TCP Send API"

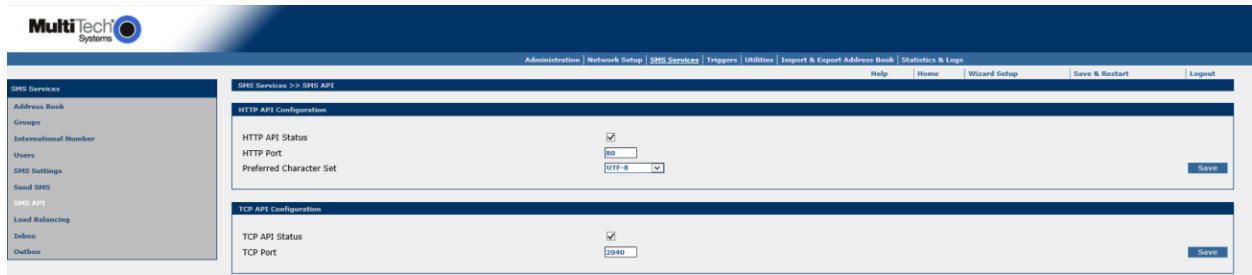
Det kan være en god ide at eksportere opsætningen inden opdatering, således at evt. genetablering vil være hurtig og smertefri.



Disable



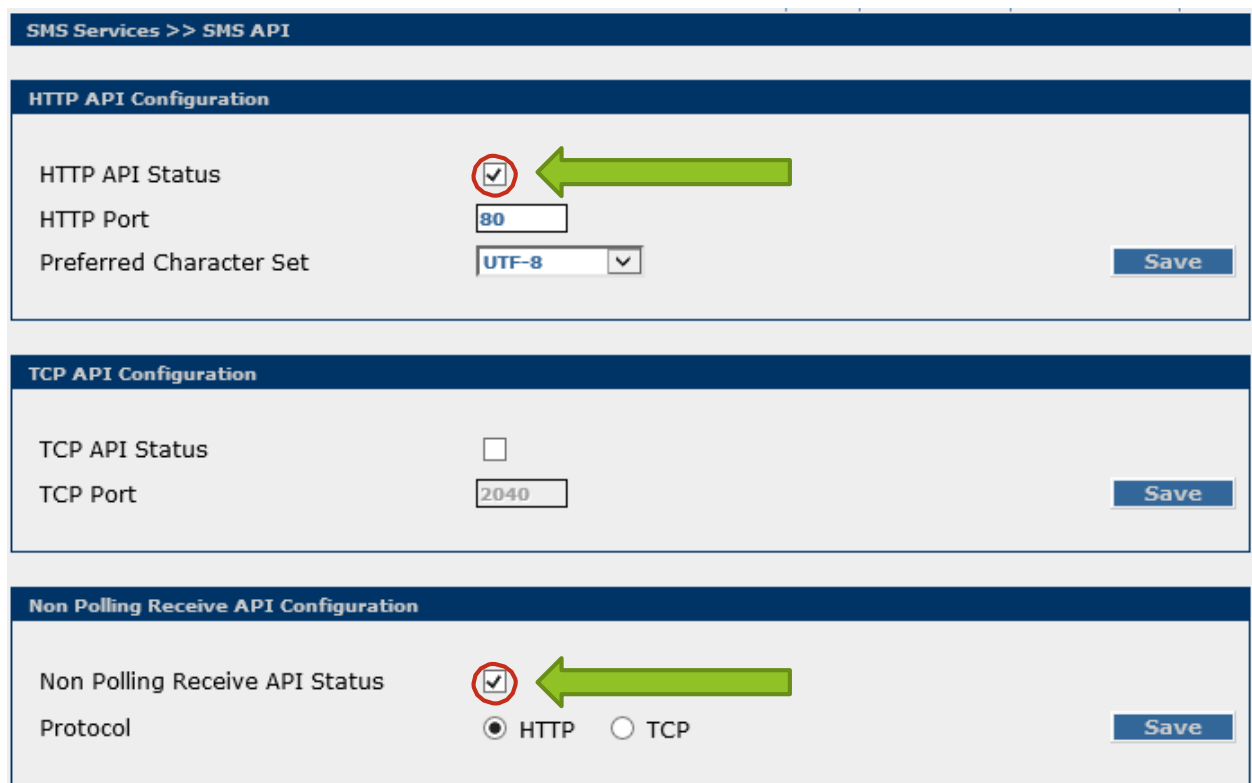
Ved klik på OK sendes man direkte til det punkt, hvor man har mulighed for at deaktivere de nævnte punkter.



Vær opmærksom på at hver gruppering har sin egen "Save" knap og kun registrerer for den enkelte gruppering. Det er derfor nødvendigt at fjerne fluebenet enkeltvis og trykke "Save" på hver gruppering.

Bemærk venligst at "TCP API" ikke bruges og derfor med fordel kan disables helt, således spares en genstart af modem ved opdatering.

Efter opdateringen skal man sikre sig at få aktiveret API'erne igen. Under "SMS Services" skal der vælges "SMS API" og her skal "HTTP API Status" og "NON Polling Receive API Status" markeres.



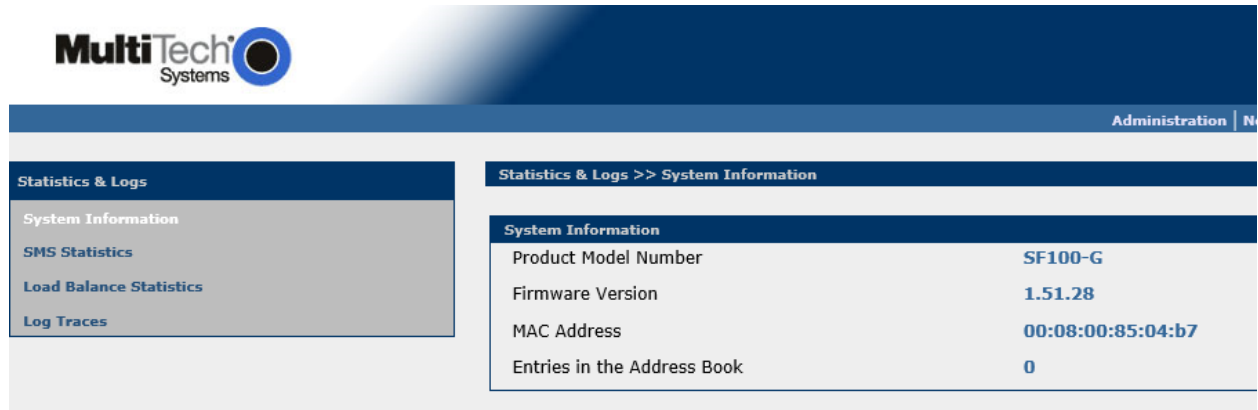
Tjek at de korrekte data står i "NON Polling Receive API Configuration" sektionen.

Efter dette vælges og uploades den nye firmware (husk at pakke filen ud, så det er den rene .bin fil som henvises til)

Tjek efter genstart at firmwarens versionsnummer er opdateret: (fremgår på startsiden)

MultiModem™ iSMS Web Management - Version 1.51.28

og findes ligeledes under "Statistics & Logs" -> "System Information"



The screenshot shows the MultiTech Systems MultiModem iSMS Web Management interface. The top navigation bar includes the MultiTech Systems logo and the text "Administration | N". A left sidebar menu is titled "Statistics & Logs" and contains the following items: "System Information" (highlighted), "SMS Statistics", "Load Balance Statistics", and "Log Traces". The main content area is titled "Statistics & Logs >> System Information" and displays a table of system information.

System Information	
Product Model Number	SF100-G
Firmware Version	1.51.28
MAC Address	00:08:00:85:04:b7
Entries in the Address Book	0

Enable

The screenshot shows the 'SMS Services >> SMS Settings' page. The left sidebar lists various services, with 'SMS Settings' selected. The main content area is divided into several sections:

- PDU Mode:** Contains two checkboxes: 'Enable PDU Mode' and 'Concatenate Multipart Outbound Messages'. Both are checked and circled in red, with a green arrow pointing to them.
- ASCII 7-bit Configuration:** Contains a 'Character Set' dropdown menu set to '3GPP 23.038', circled in red with a green arrow.
- Extended ASCII 8-bit Configuration:** Contains two unchecked checkboxes: 'Extended ASCII 8-bit (ISO-8859-1)' and 'Set as Factory Default'.
- Unicode Configuration:** Contains two unchecked checkboxes: 'Unicode' and 'Set as Factory Default'.
- Date Configuration:** Contains a 'Date Configuration' dropdown menu set to 'dd/mm/yyyy', circled in red with a green arrow.
- Periodic Re-Registration:** Contains a 'Periodic Re-Registration' dropdown menu set to '1 Hour', circled in red with a green arrow.

Efter opdateringen er det nødvendigt at ændre i indstillingerne for at udnytte de nye features.

Under "SMS Services" skal der vælges "SMS Settings" og her skal der sættes flueben i "Enable PDU mode" og "Concatenate Multipart Outbound Messages" og trykkes "Save".

Det vil nu være muligt at sende SMS'er med specialtegn heriblandt "ø". Endvidere vil det være muligt ved hjælp af "Concatenate Multipart Outbound Messages" at sende SMS'er på over 160 tegn uden at de bliver delt i flere SMS'er hos modtageren.

Herefter skal "ASCII 7-bit Configuration" -> "Character Set" sættes til "3GPP 23.038"

Angiv dataformatet til dd/mm/yyyy.

For at sikre at Modemmet har kontakt til nærmeste telemast er det en god ide at sætte re-registration op i konfigurationen. Denne funktion sørger for, at man atter får kontakt til telemasten, hvis den har været midlertidig utilgængelig.

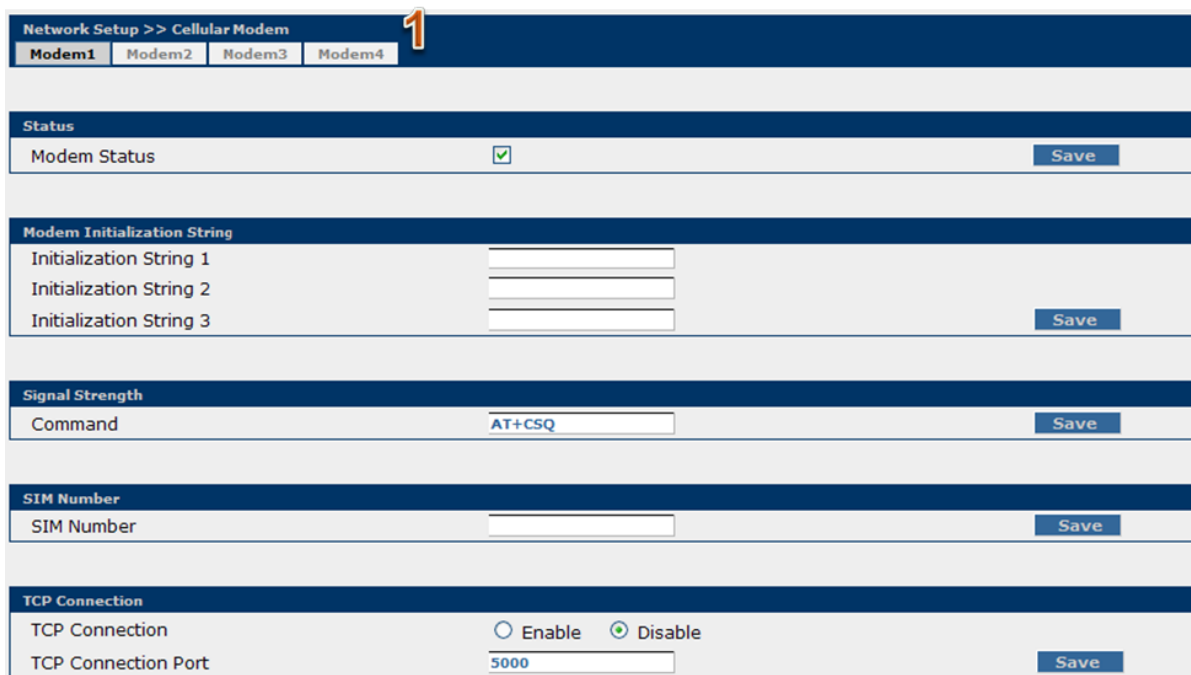
UMS er sat til at anvende "UTF-8" og det skal derfor angives under "SMS Services."



Dette gøres under "SMS Services" -> "SMS API". Her kan det angives i "HTTP API Configuration"

Disable Telnet

Af sikkerhedsmæssige årsager anbefaler vi at man lukker for telnet ved at disable TCP på de enkelte modem.



Dette gøres under "Network Setup" -> "Cellular Modem". Her kan det til-/ fravælges under "TCP Connections".

Ved 4- & 8-ports gateways skal man være opmærksom på at gøre det på samtlige "Modems"¹

Internationale Numre

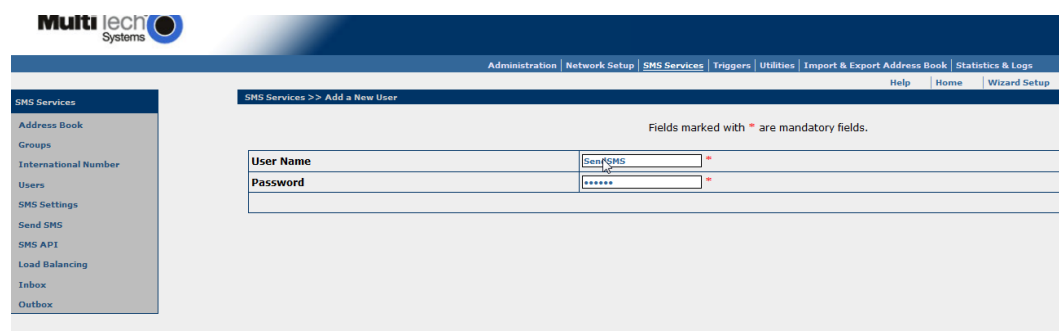
Hvis det ikke skal være muligt at anvende internationale numre, skal dette angives og ligeledes kan max. antal tal sættes til 8 under "SMS Services" -> "International Number"



The screenshot shows the 'SMS Services >> International Number' configuration page. On the left is a sidebar with 'International Number' selected. The main content area has two rows: 'Disable International Number' with a checked checkbox, and 'Maximum Digits' with a text input field containing the number '8'.

SMS Bruger

Det anbefales at oprette en bruger til afsendelse af SMS'er, således man ikke anvender admin konto'en til det.

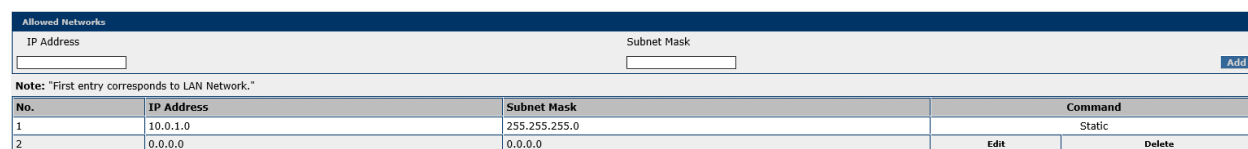


The screenshot shows the 'SMS Services >> Add a New User' configuration page. A sidebar on the left has 'Users' selected. The main area contains a form with two fields: 'User Name' with the value 'SendSMS' and 'Password' with masked characters. Both fields have a red asterisk indicating they are mandatory. A note above the form states: 'Fields marked with * are mandatory fields.'

Tilladte netværk

Hvis UMS serveren og gateway'en ikke står på samme netværk, så skal Serverens ip angives i gateway'ens konfiguration.

"Administraton" -> "Admin Access" -> "Allowed Networks"



The screenshot shows the 'Allowed Networks' configuration page. At the top, there are input fields for 'IP Address' and 'Subnet Mask', followed by an 'Add' button. Below this is a table with the following data:

No.	IP Address	Subnet Mask	Command
1	10.0.1.0	255.255.255.0	Static
2	0.0.0.0	0.0.0.0	

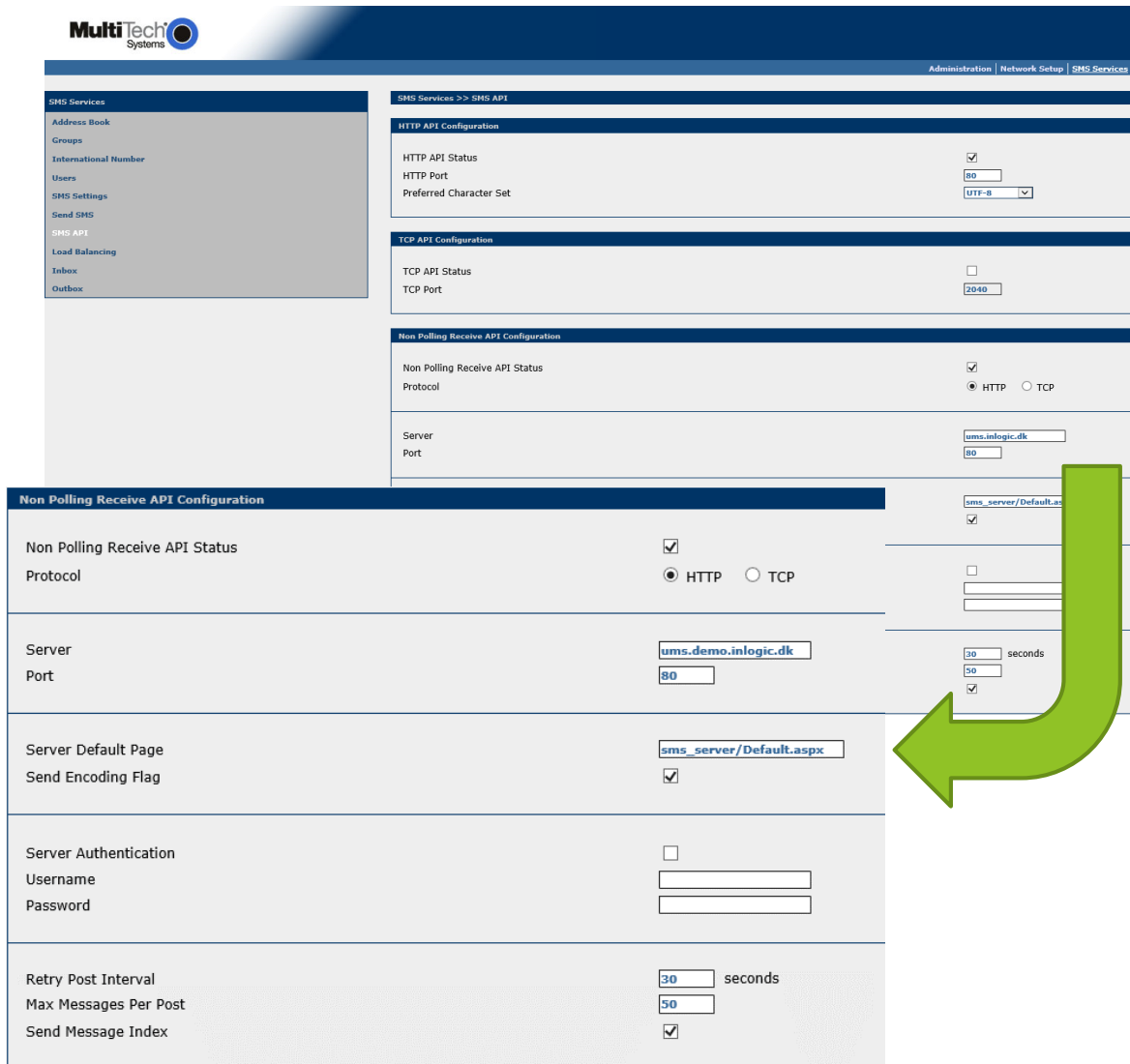
Buttons for 'Edit' and 'Delete' are visible under the second row of the table.

Angiv UMS server og Server default page

For at UMS kan modtage SMS'er fra Gateway'en er det nødvendigt at angive Serveren i Gateway'ens konfiguration.

Dette gøres under "SMS Services" -> "SMS API"

Her skal man indtaste Serverens URL eller IP adresse i feltet "Server" i rubrikken "Non Polling Receive API Configuration" og "Server Default Page" skal udfyldes med teksten "sms_server/default.aspx"



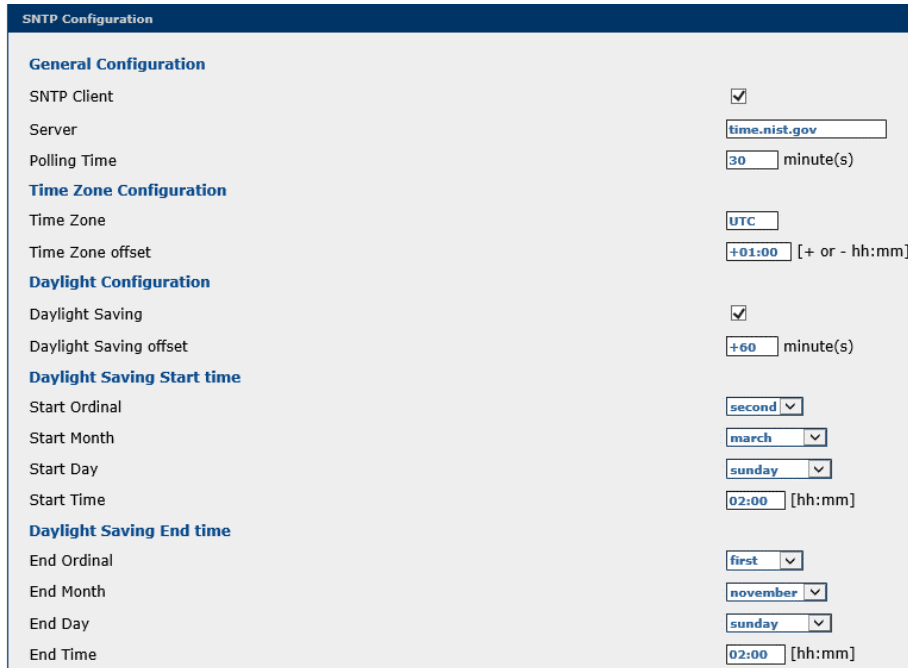
The screenshot shows the MultiTech Systems administration interface. The left sidebar contains a menu with items like 'Address Book', 'Groups', 'Users', 'SMS Settings', 'Send SMS', 'SMS API', 'Load Balancing', 'Inbox', and 'Outbox'. The main content area is titled 'SMS Services >> SMS API' and contains three configuration sections:

- HTTP API Configuration:** Includes 'HTTP API Status' (checked), 'HTTP Port' (80), and 'Preferred Character Set' (UTF-8).
- TCP API Configuration:** Includes 'TCP API Status' (unchecked) and 'TCP Port' (2040).
- Non Polling Receive API Configuration:** Includes 'Non Polling Receive API Status' (checked), 'Protocol' (HTTP selected), 'Server' (ums.inlogic.dk), 'Port' (80), 'Server Default Page' (sms_server/Default.aspx), 'Send Encoding Flag' (checked), 'Server Authentication' (unchecked), 'Username' and 'Password' fields, 'Retry Post Interval' (30 seconds), 'Max Messages Per Post' (50), and 'Send Message Index' (checked).

A large green arrow points from the right side of the 'Non Polling Receive API Configuration' section towards the 'Server' and 'Server Default Page' fields, highlighting the configuration steps mentioned in the text.

Timezone

Sæt indstillingerne under "Administration" -> "SNTP Client", således tiden er korrekt opsat.



The screenshot shows the "SNTP Configuration" page with the following settings:

Section	Setting	Value
General Configuration	SNTP Client	<input checked="" type="checkbox"/>
	Server	time.nist.gov
	Polling Time	30 minute(s)
Time Zone Configuration	Time Zone	UTC
	Time Zone offset	+01:00 [+ or - hh:mm]
Daylight Configuration	Daylight Saving	<input checked="" type="checkbox"/>
	Daylight Saving offset	+60 minute(s)
Daylight Saving Start time	Start Ordinal	second
	Start Month	march
	Start Day	sunday
	Start Time	02:00 [hh:mm]
Daylight Saving End time	End Ordinal	first
	End Month	november
	End Day	sunday
	End Time	02:00 [hh:mm]

Husk at trykke "Save", når alle felter er opdateret jf. ovenstående billede.