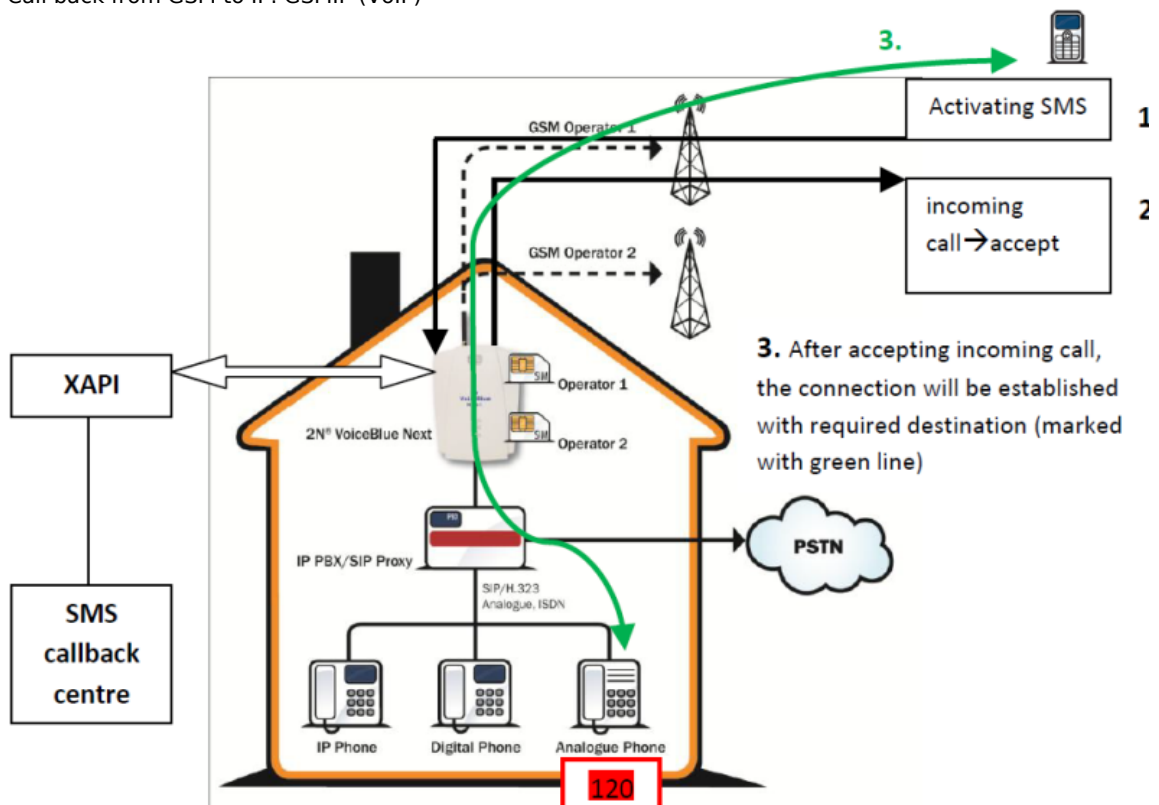


Callback - How to set SMS Callback?

Basic description of this feature

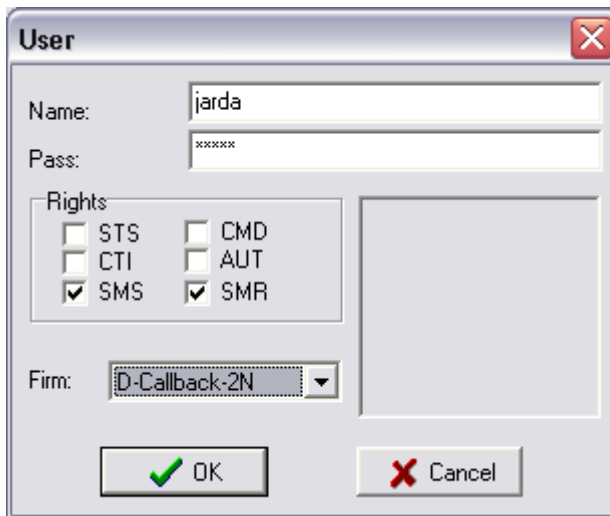
- How does SMS CallBack work with 2N[®] VoiceBlue Lite device? Basically it is possible to send SMS to the telephone number of SIM card inserted in 2N[®] VoiceBlue Lite device and receive a callback connecting to a specific SIP extension. After sending the SMS in correct form, the gateway will call to the telephone number from which the SMS has been received. Once the call is picked up, you will be automatically connected with the required extension. 120 in the example.
- Call back from GSM to IP: GSMIP (VoIP)



- Necessary software:
 - 2N XAPI Server v. 1.20A
 - SMS CallBack centre v. 1.0 → license needed

Installation of 2N XAPI server

- On the link below you are able to find detailed manual how to install and set up 2N XAPI Server. <http://www.2n.cz/en/products/extras/sms-server/downloads/>
- Download sms-sever-manual-1en.pdf and follow the instructions from page 4 to page 8.
- For a SMS Callback purpose please create a specific user with these features (check SMS and SMR). Select Firm: D-Callback-2N. Set desired Name and password (in this example: jarda/jarda).



User

Name: jarda

Pass: xxxxxx

Rights:

<input type="checkbox"/> STS	<input type="checkbox"/> CMD
<input type="checkbox"/> CTI	<input type="checkbox"/> AUT
<input checked="" type="checkbox"/> SMS	<input checked="" type="checkbox"/> SMR

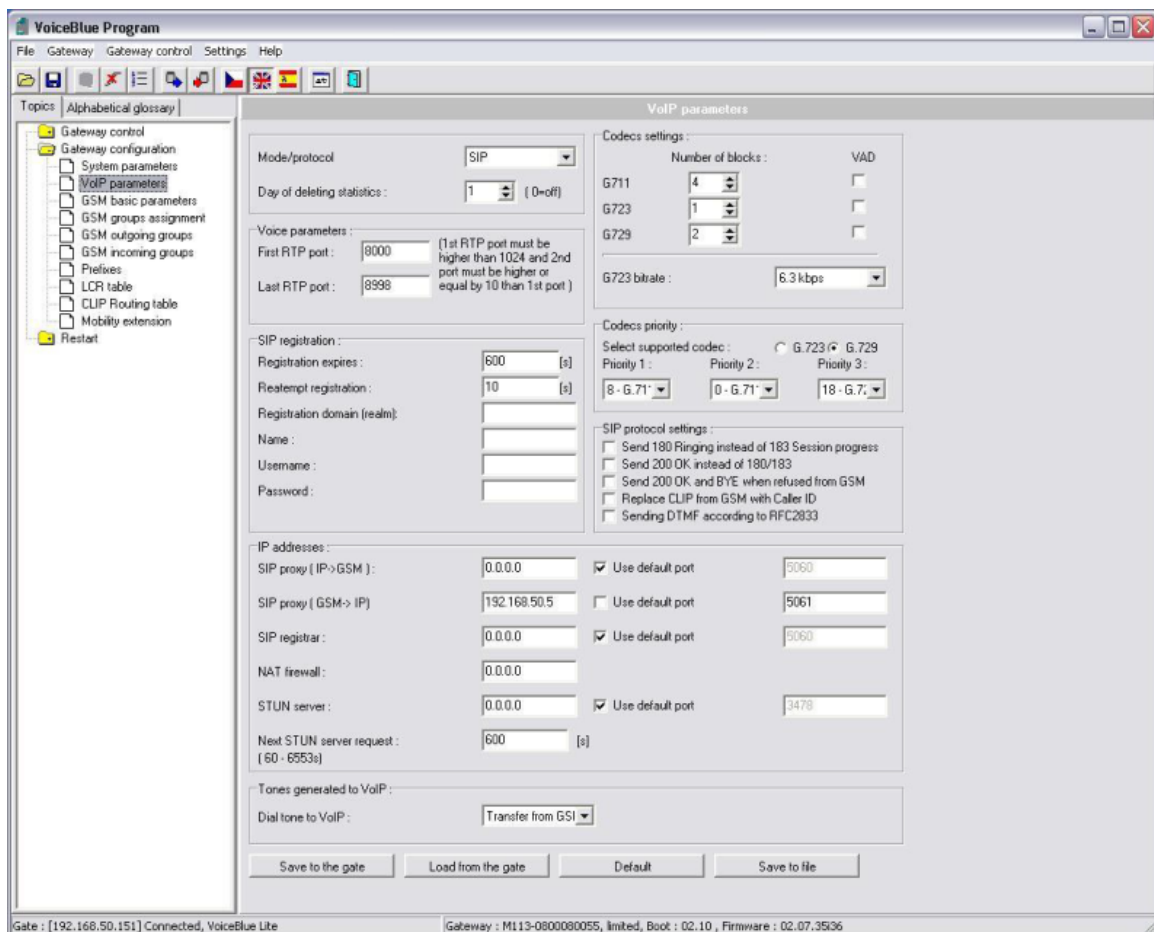
Firm: D-Callback-2N

OK Cancel

Basic settings of 2N[®] VoiceBlue Lite

- On following pictures there is explained how it is recommended to set up the device in order to provide you SMS CallBack feature.

VoIP parameters



VoiceBlue Program

File Gateway Gateway control Settings Help

Topics: Alphabetical glossary

- Gateway control
 - Gateway configuration
 - System parameters
 - VoIP parameters**
 - GSM basic parameters
 - GSM groups assignment
 - GSM outgoing groups
 - GSM incoming groups
 - Prefixes
 - LCR table
 - CLIP Routing table
 - Mobility extension
 - Restart

VoIP parameters

Mode/protocol: SIP

Day of deleting statistics: 1 (0-off)

Voice parameters:

First RTP port: 8000 (1st RTP port must be higher than 1024 and 2nd port must be higher or equal by 10 than 1st port)

Last RTP port: 8998

SIP registration:

Registration expires: 600 [s]

Reatempt registration: 10 [s]

Registration domain (realm):

Name:

Username:

Password:

Codecs settings:

Number of blocks:

G711	4	<input type="checkbox"/>
G723	1	<input type="checkbox"/>
G729	2	<input type="checkbox"/>

G723 bitrate: 6.3 kbps

Codecs priority:

Select supported codec: G.723 G.729

Priority 1: 8 - G.711 Priority 2: 0 - G.711 Priority 3: 18 - G.711

SIP protocol settings:

Send 180 Ringing instead of 183 Session progress

Send 200 OK instead of 180/183

Send 200 OK and BYE when refused from GSM

Replace CLIP from GSM with Caller ID

Sending DTMF according to RFC2833

IP addresses:

SIP proxy (IP->GSM): 0.0.0.0 Use default port 5060

SIP proxy (GSM->IP): 192.168.50.5 Use default port 5061

SIP registrar: 0.0.0.0 Use default port 5060

NAT firewall: 0.0.0.0

STUN server: 0.0.0.0 Use default port 3478

Next STUN server request: 600 [s] (60 - 6553s)

Tones generated to VoIP:

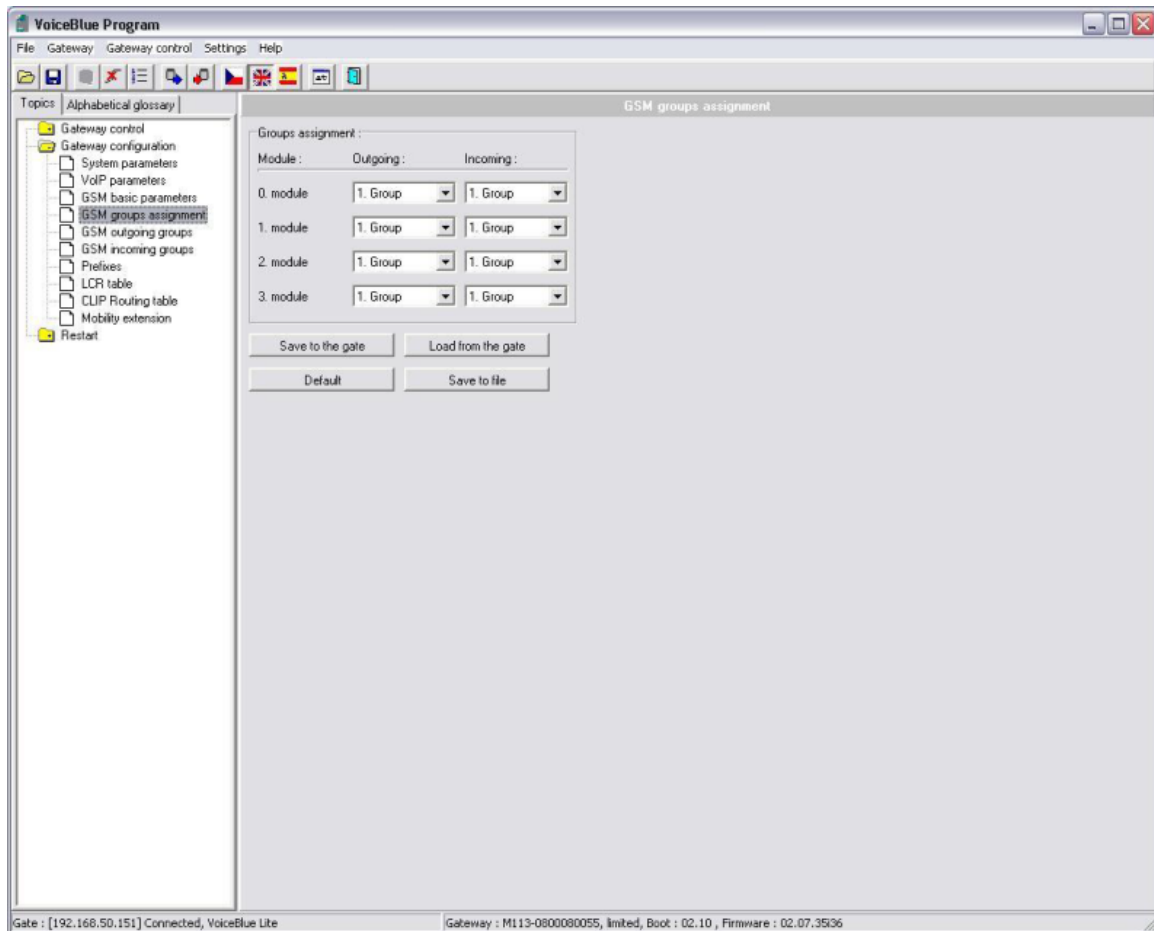
Dial tone to VoIP: Transfer from GSI

Save to the gate Load from the gate Default Save to file

Gate: [192.168.50.151] Connected, VoiceBlue Lite Gateway: M113-0800080055, limited, Boot: 02.10, Firmware: 02.07.3516

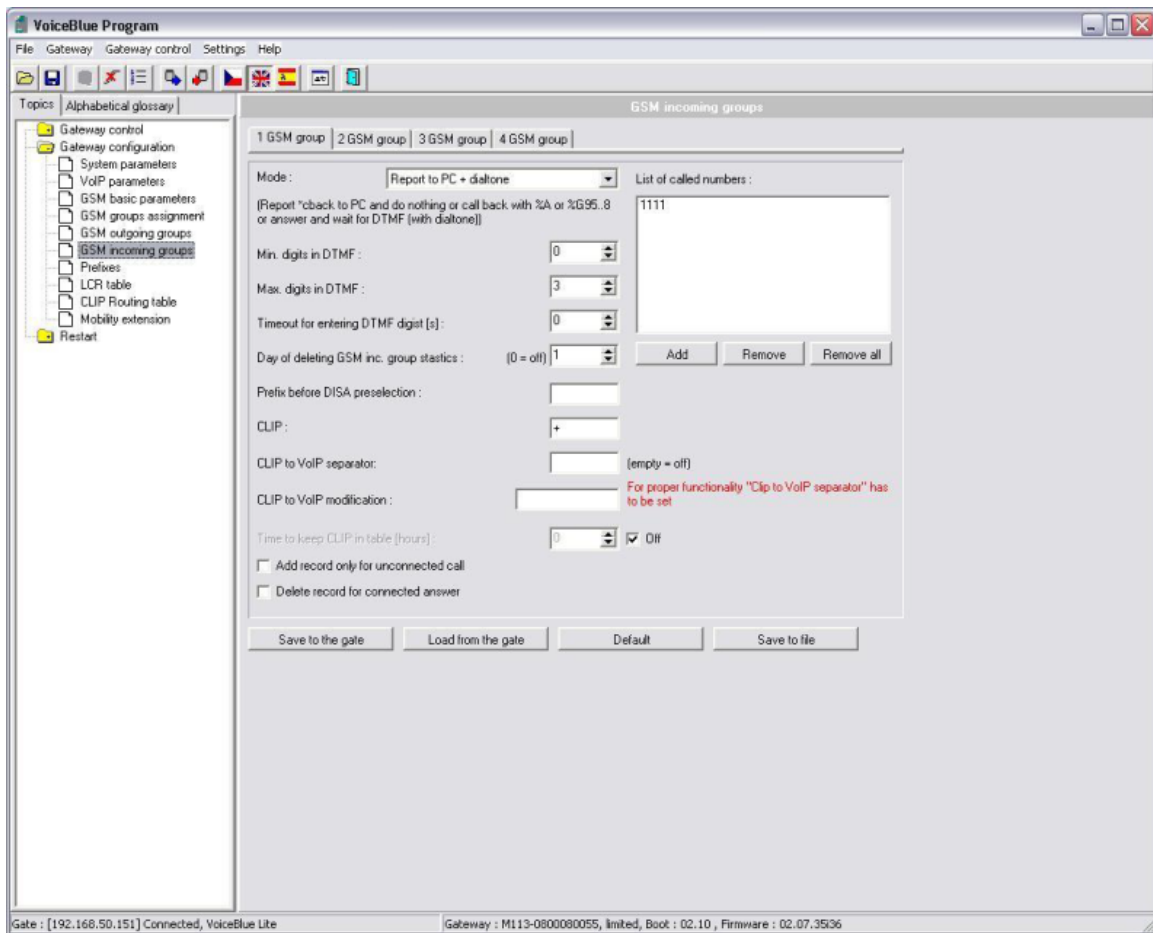
- In SIP proxy (GSM->IP) set the IP address of PBX (192.168.50.5 in this case) and specify the listening port (5061 in the example). Remember that at least one extension must be connected to the PBX in order to receive the calls (we assigned 120).

GSM group assignment



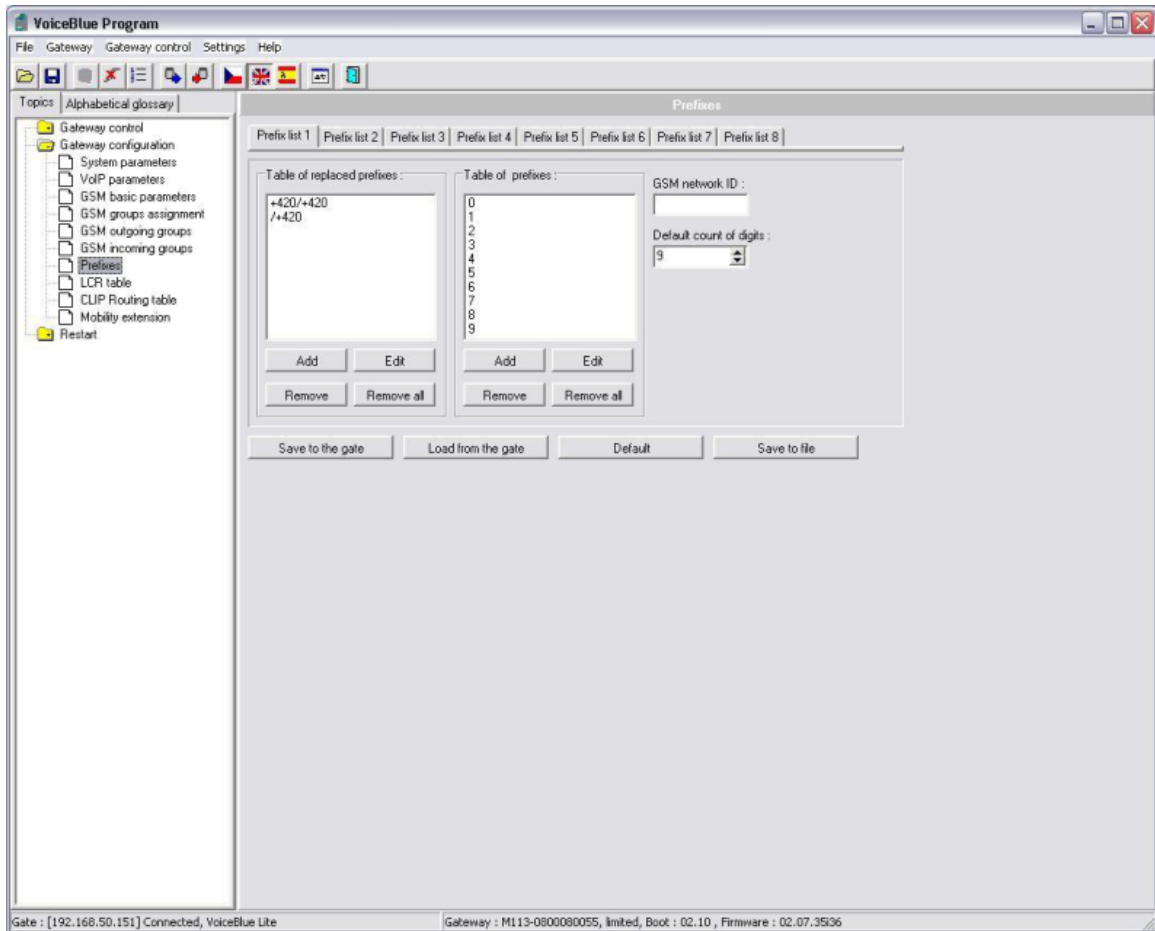
- GSM modules can be assigned up to 4 groups that can be independently assigned for incoming and outgoing calls. In this case all modules are assigned to Group 1.

GSM incoming groups

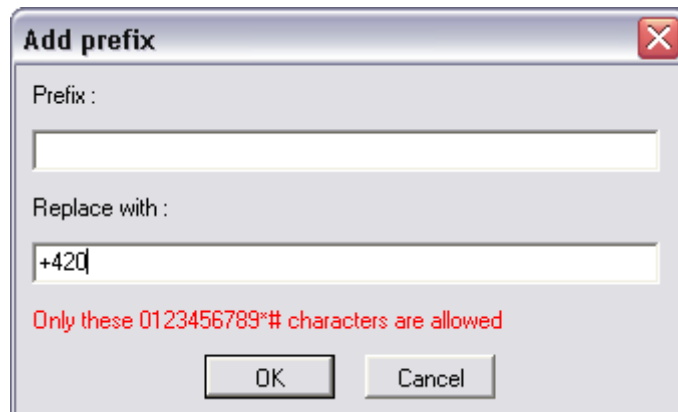


- In option „Mode“ in the top part of window choose Report to PC +dial tone. Then fill + to the clip field.

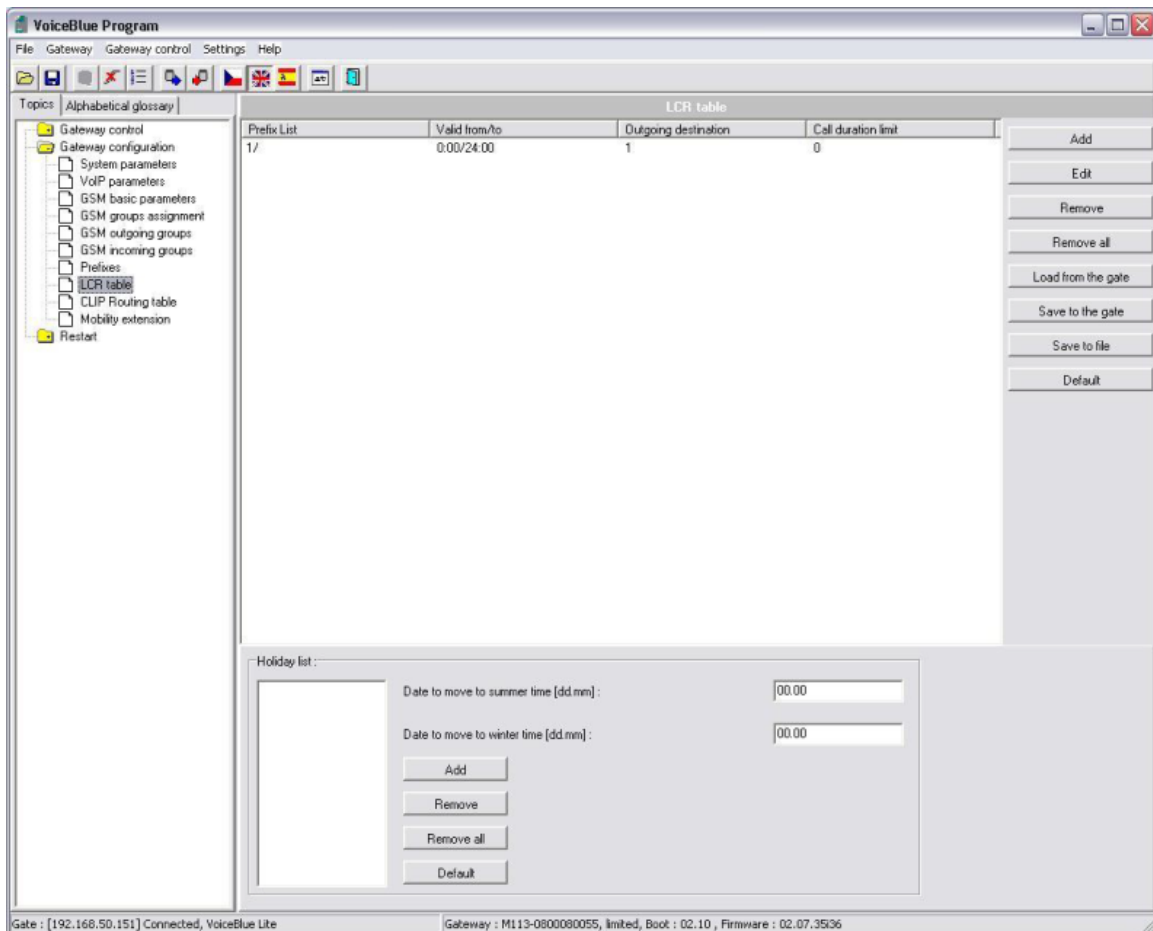
Prefixes



- Make sure the prefix configuration is properly set for your operator. On the example below the /+420 prefix is added (international prefix for Czech Rep.)



LCR Table



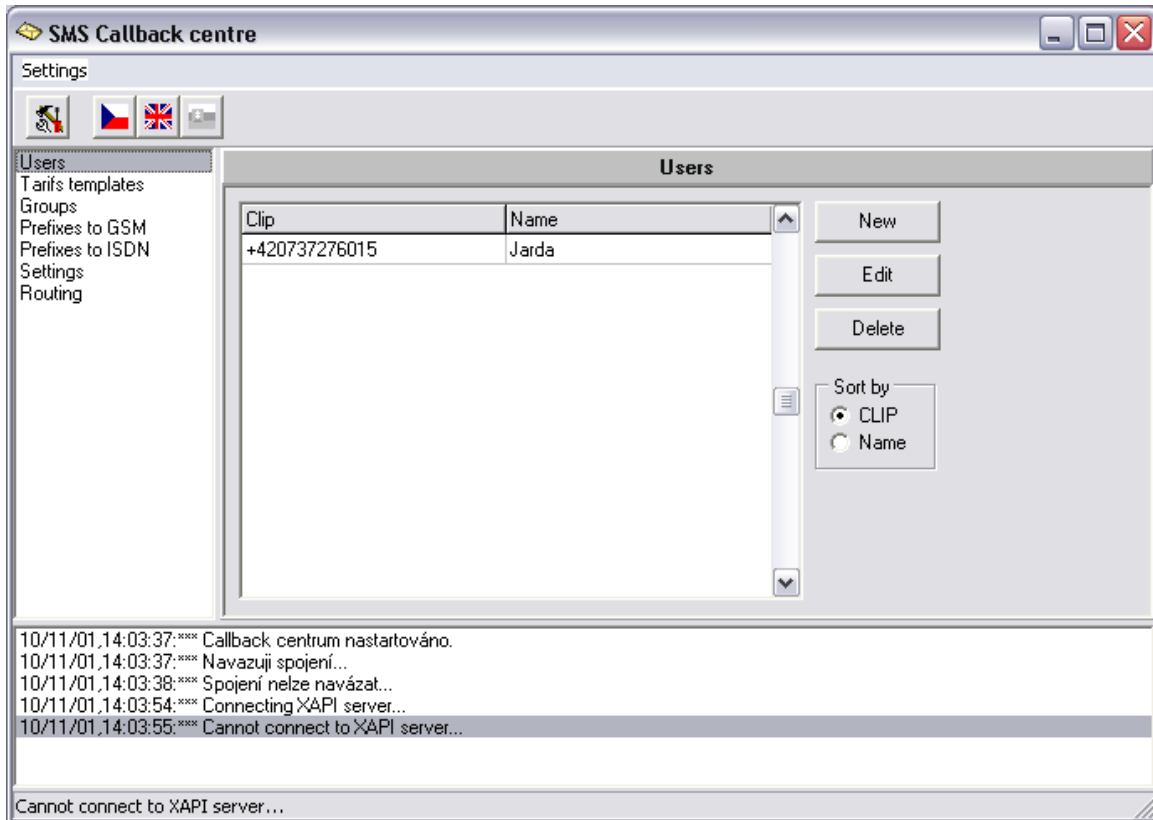
- Click to “Add” and fill required information in the first row (marked with red frame).

Form of activation SMS

- Because of structure of 2N[®] VoiceBlue Lite device you have send the SMS in this form
*sg*Phone number of destination
- SMS example: *sg*120

Settings of SMS CallBack centre

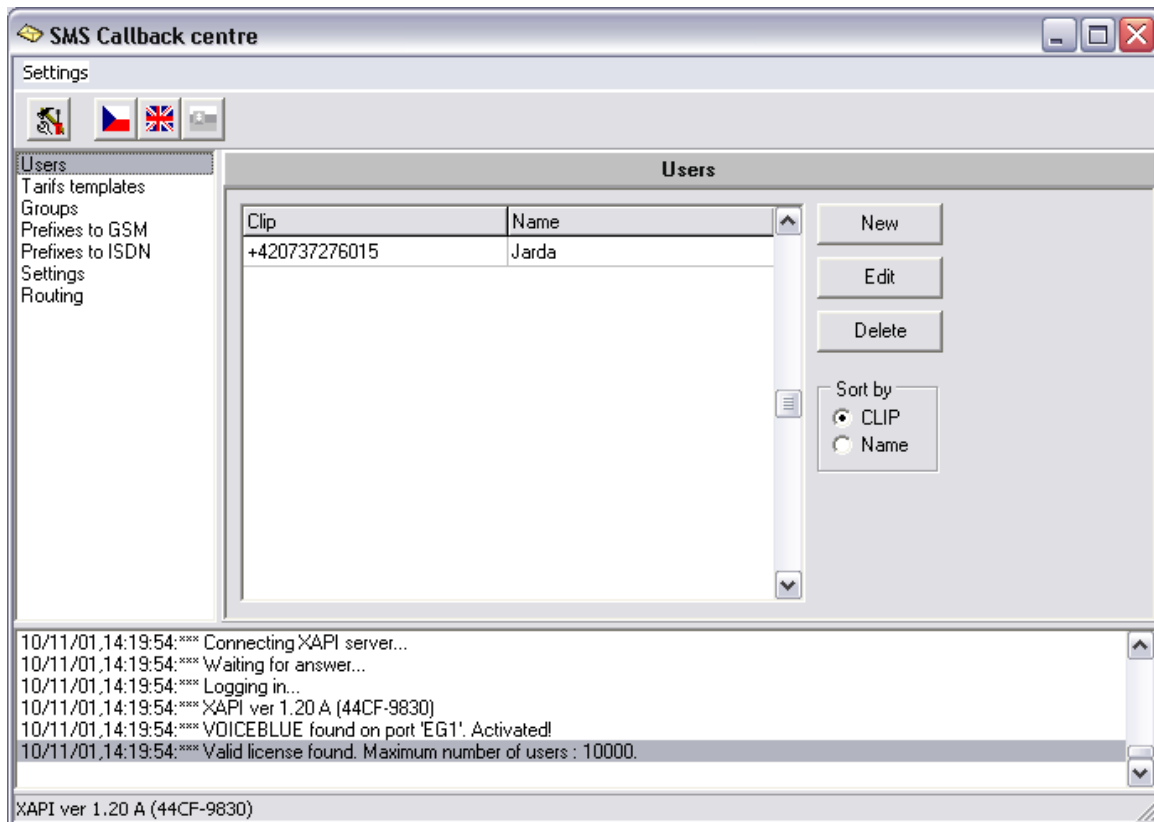
Logging to XAPI



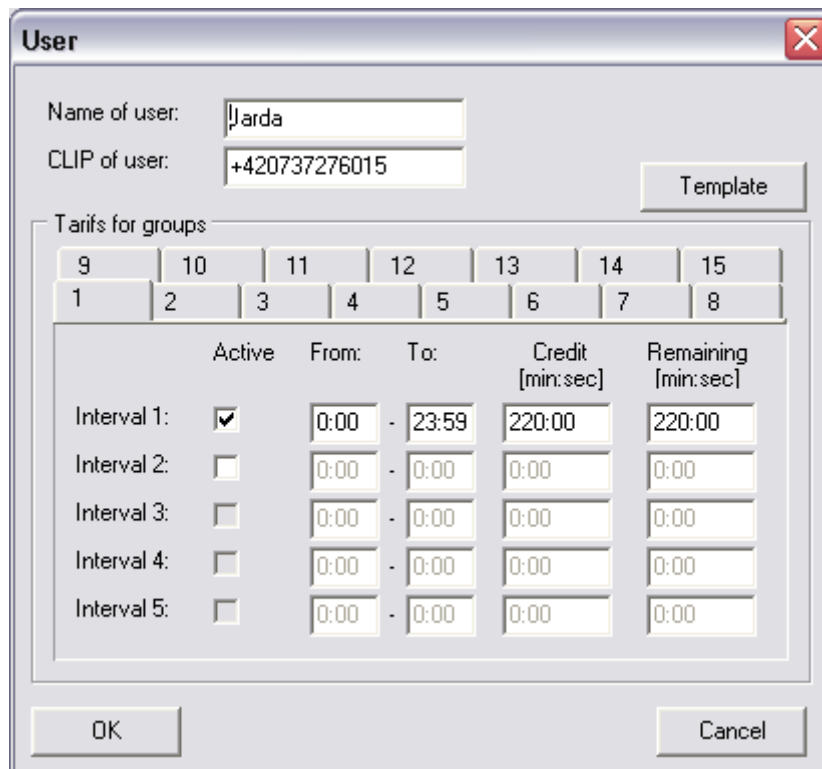
- It is necessary to login SMS Callback center to XAPI server. Username and password corresponds with XAPI server users settings. In this example it is jarda/jarda.



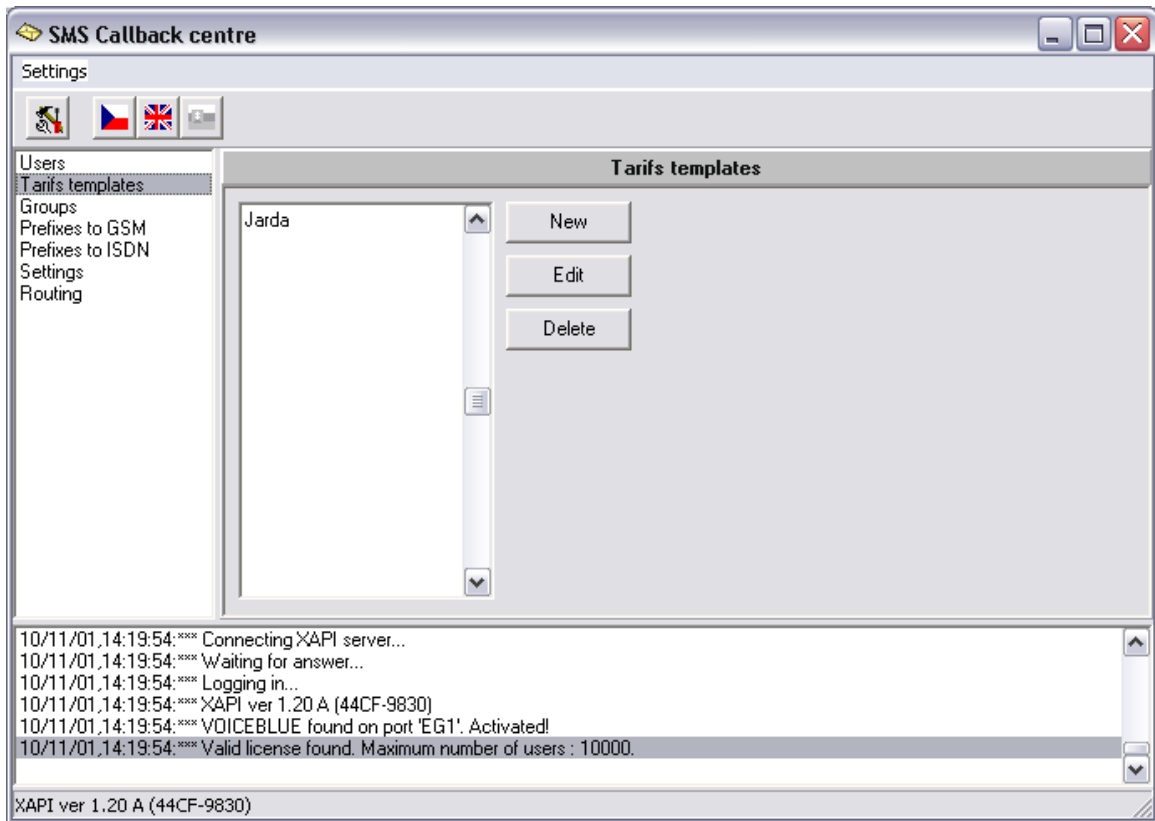
Users



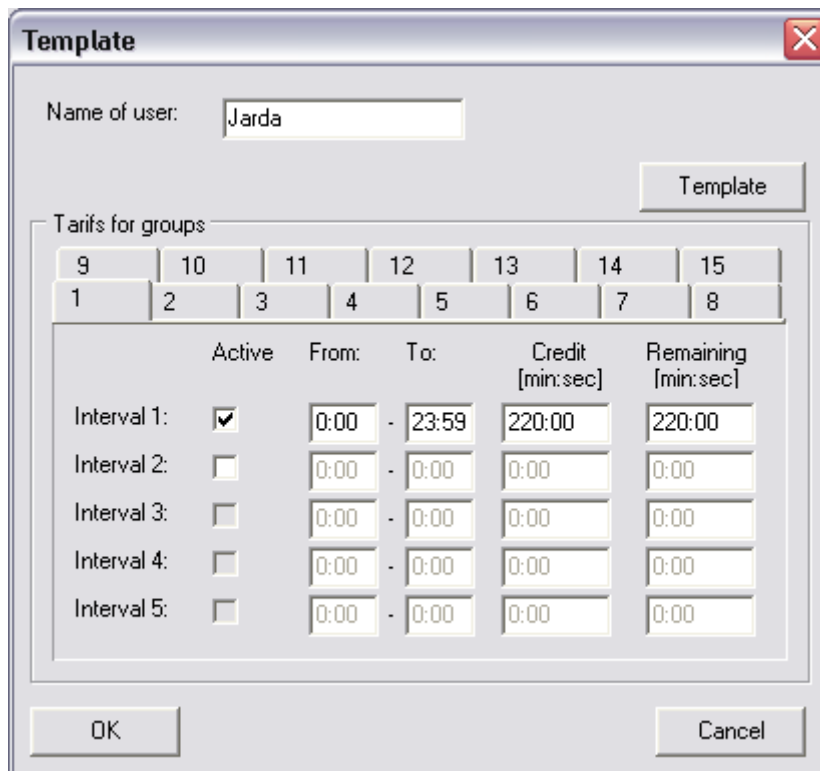
- Create a new user - fill the CLIP and in the field Tariffs of groups activate the interval 1.



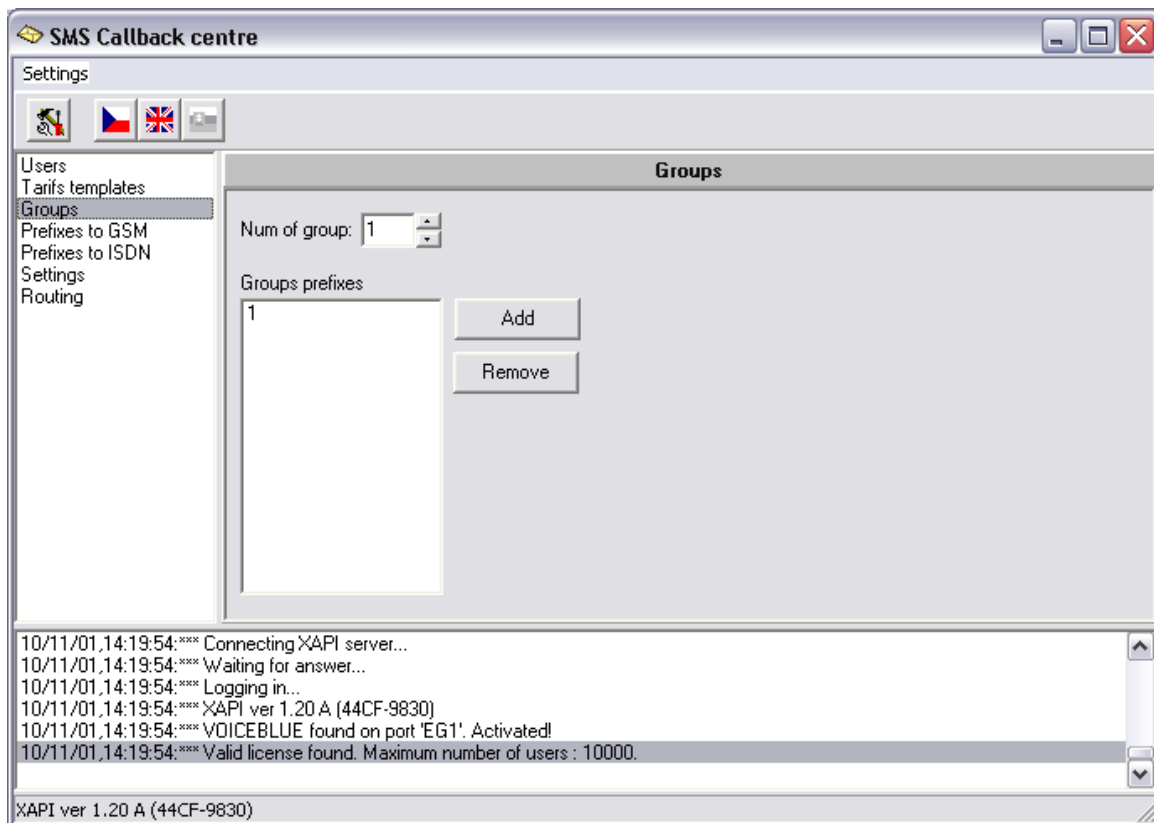
Tariff templates



- Create a new Tariff template by click to the button „New“



Groups



- In the Group which we added a prefix is required. In the example the final destination is 120 so it is necessary to fill the prefix "1". Do not forget to set prefixes regarding the extension number which the call will be connected to.
- Other settings: The rest of configuration regarding Prefixes to GSM, Prefixes to ISDN Settings and Routing is recommended to remain as default.

More product information:

2N® VoiceBlue Next ([Official Website 2N](http://www.2n.cz))