

SIM selection based on called number

If you want to be able to select the SIM for outgoing call, then it can be done with "technical" prefix which is removed by the gateway before dialling the number to GSM/UMTS networks.

Example: You want to dial number 789456123, so instead you will send to the gateway 01789456123 to select SIM1. The gateway will cut 01 and dial 789456123 through SIM1.

The guide is following this example for 2 channel 2N[®] VoiceBlue Next.

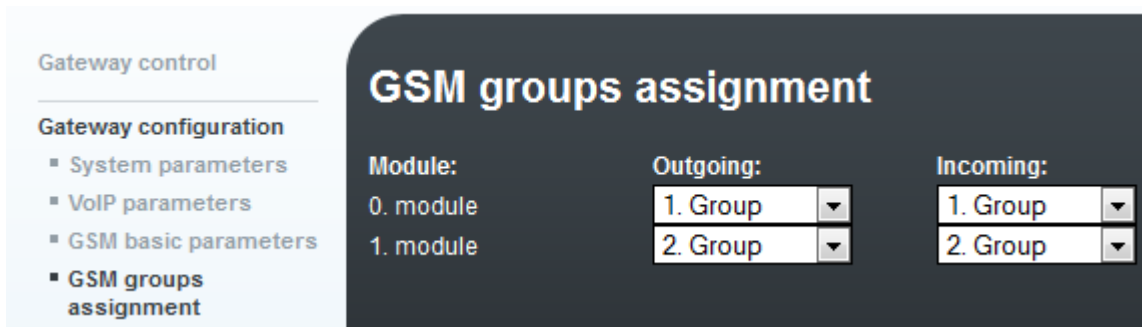
Settings on PBX side

You will have to set your PBX to add following prefixes (or other) based on your requirements

- 01 to dial through SIM1
- 02 to dial through SIM2

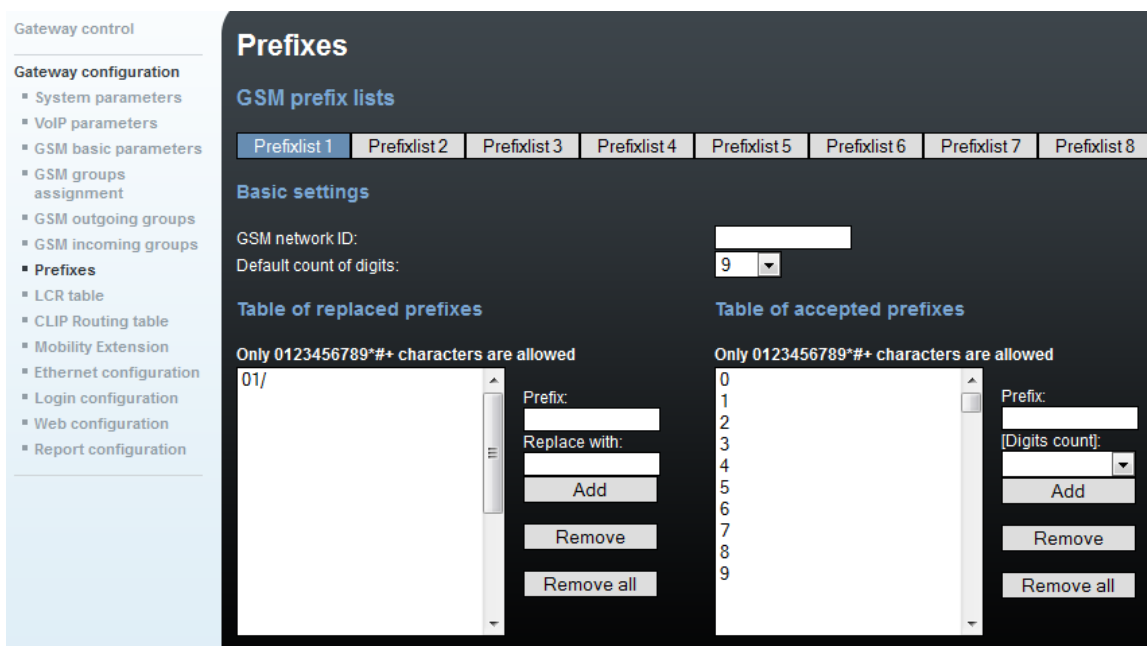
Settings on VoiceBlue Next

Gateway configuration/GSM Group Assignment - put each module inside different Outgoing group



Gateway configuration/Prefixes - set different technical prefix in each prefix list. I am going to configure 2 channel gateway. I will set just 2 prefix lists.

Prefix list 1



Prefix list 2

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
- Ethernet configuration
- Login configuration
- Web configuration
- Report configuration

Prefixes

GSM prefix lists

Prefixlist 1 | **Prefixlist 2** | Prefixlist 3 | Prefixlist 4 | Prefixlist 5 | Prefixlist 6 | Prefixlist 7 | Prefixlist 8

Basic settings

GSM network ID:

Default count of digits:

Table of replaced prefixes

Only 0123456789*#+ characters are allowed

02/

Prefix:

Replace with:

Table of accepted prefixes

Only 0123456789*#+ characters are allowed

0
1
2
3
4
5
6
7
8
9

Prefix:

[Digits count]:

Avoid settings below. "/" is an indeterminate character which allows to skip Table of replaced prefixes. The beginning of the called number is then compared only with the right table. When you enter 0 in the right table, the gateway would dial 02789456123 instead of 789456123 as we wish.

Table of replaced prefixes

Only 0123456789*#+ characters are allowed

/
02/

Prefix:

Replace with:

Gateway configuration/LCR Table - interconnect prefixes with outgoing groups (which represent specific module/SIM card)

Click Add and fill Prefixlist 1 and Outgoing GSM group 1:

LCR table

Add record

Prefixlist: Prefixlist 1/

Time limitation: 00 : 00 - 24 : 00

Weekend usage: Use as in week (set above)

Call duration limit [min]: Off

Groups / Tariffs:

GSM group 1	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0

Ignore tone detection in last group (ITD):

Ok Cancel

Click Add and fill Prefixlist 2 and Outgoing GSM group 2:

LCR table

Add record

Prefixlist: Prefixlist 2/

Time limitation: 00 : 00 - 24 : 00

Weekend usage: Use as in week (set above)

Call duration limit [min]: Off

Groups / Tariffs:

GSM group 2	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0
----- None -----	Tariff 0

Ignore tone detection in last group (ITD):

Ok Cancel

Save the result which must look like this:

Gateway control

Gateway configuration

- System parameters
- VoIP parameters
- GSM basic parameters
- GSM groups assignment
- GSM outgoing groups
- GSM incoming groups
- Prefixes
- **LCR table**

LCR table

Prefixlist	Time limitation	Weekend usage	Call duration limit	Groups	Tariffs	ITD	Add	Remove all
1/	0:00/24:00	Use as in week	Off	1	0	No	Edit record	Remove
2/	0:00/24:00	Use as in week	Off	2	0	No	Edit record	Remove

Now everything is set. Make a call to verify settings.