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# Call routing - Changes in call routing in firmware 1.20+ compared to earlier versions on 2N® VoiceBlue Next
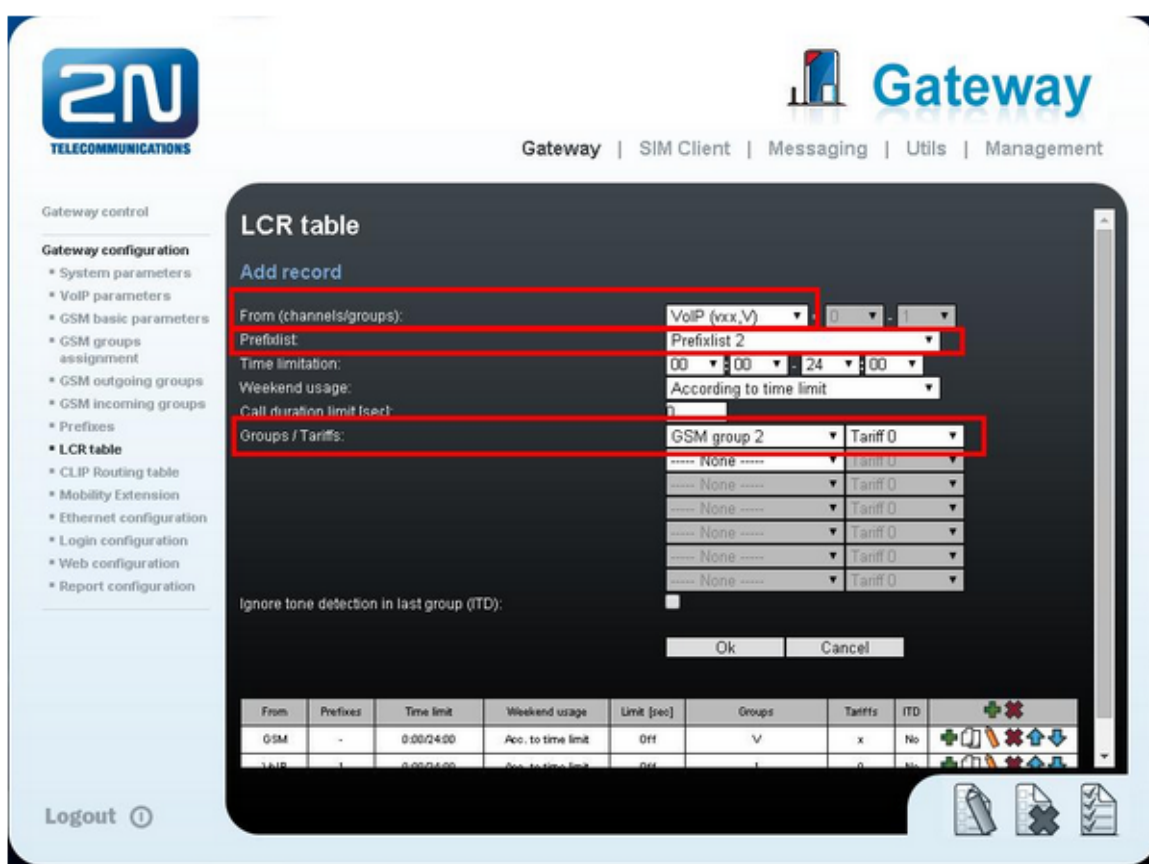
In firmware 1.20 the way call routing was configured has been changed. In this FAQ you are going to find out what is different from previous firmware versions.

On 2N® VoiceBlue Next gateway the only visible change has been done to **LCR table**. Every other element of call routing has been left as it was before (GSM groups assignment, setting of Ougoing/Incoming GSM group, prefix lists,..)

New LCR table allows you to have a complete control over where an incoming call (from VoIP or GSM) should be routed to. On pictures bellow you can see examples of differences between the new LCR table and the old one.

## 1) Explanation of new LCR table

Records in LCR table are read from top to bottow. When a record that matches all conditions is found than the call is going to be sent to outgoing destination specified in that record. **Therefore it is important to pay attention to the order in which you have your LCR table records organized!**



*From (channels/groups)* - this parameter specifies where outgoing call originates (in case of VoiceBlue Next it can be GSM incoming group or VoIP)

*Prefix list* - you must specify either one prefixlist, that the outgoing call number must match, or you can select option **All prefixlists**, where any outgoing call number that matches at least one prefixlist, will be routed by channel specified under *Groups/Tarrifs*

*Groups/Tarrifs* - this parameter specifies if outgoing call should go through a specific GSM outgoing group or through VoIP

This way it is possible to route incoming calls from GSM back to GSM which was not possible in older firmware version.
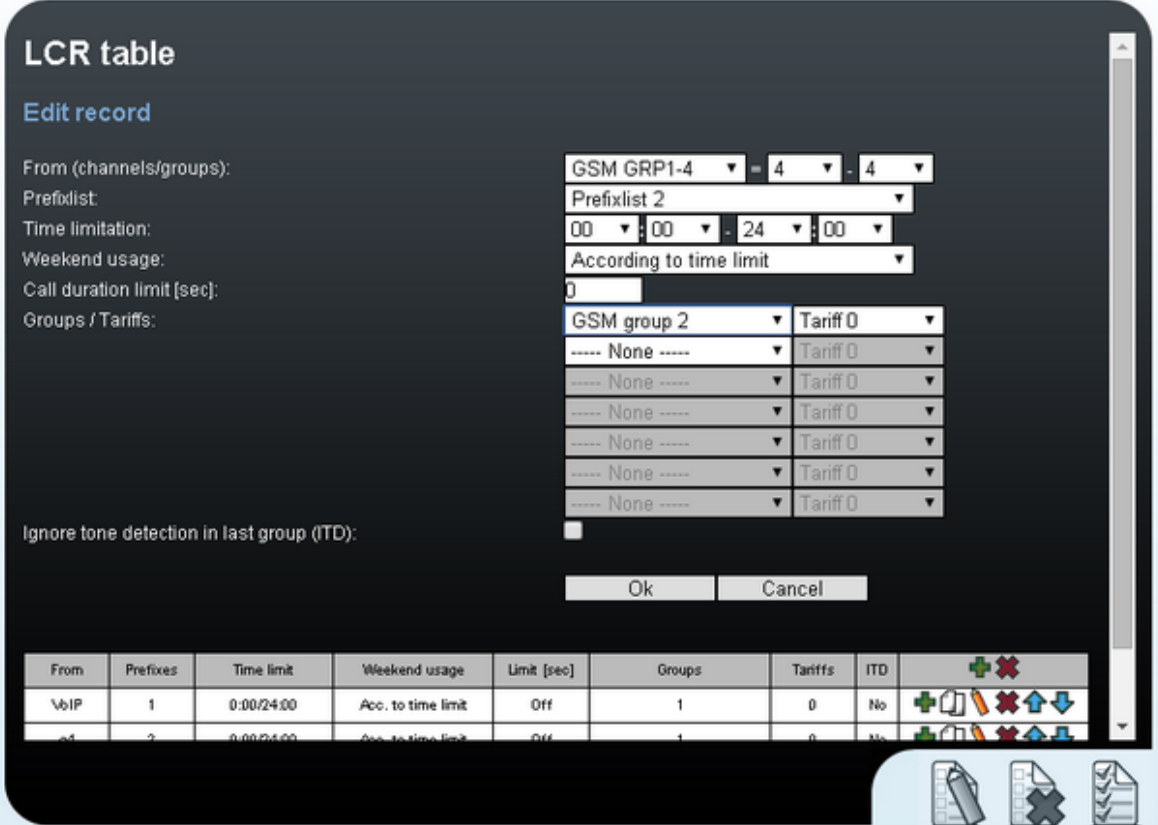
## 2) Default LCR table settings

| Firmware 1.20 | Firmware 1.19 and older |
|---|---|
|  |  |
| You have two records:<br>• One record that routes calls from GSM to VoIP<br>• Second record that routes calls from VoIP to GSM (via GSM outgoing group 1) | You have only one record that routes all incoming calls from VoIP to GSM (via GSM outgoing group 1) |

**3) Routing outgoing calls based on prefix lists (2 outgoing GSM groups), incoming calls are routed to VoIP**

| Firmware 1.20 | Firmware 1.19 and older |
|---|---|

**LCR table**

| From | Prefixes | Time limit | Weekend usage | Limit [sec] | Groups | Tariffs | ITD | |
|---|---|---|---|---|---|---|---|---|
| GSM | - | 0:00/24:00 | Acc. to time limit | Off | V | x | No | ➕📄✏️❌⬆️⬇️ |
| VoIP | 1 | 0:00/24:00 | Acc. to time limit | Off | 1 | 0 | No | ➕📄✏️❌⬆️⬇️ |
| VoIP | 2 | 0:00/24:00 | Acc. to time limit | Off | 2 | 0 | No | ➕📄✏️❌⬆️⬇️ |

**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 |

| | |
|---|---|
| The only difference from previous version is a line specifying that incoming calls from GSM should go to VoIP | Two records, one for each GSM outoing group |

**4) Incoming call from GSM group 4 (matching prefix list 2) will be routed back to GSM through GSM outoing group 2. Every other call will be sent to VoIP. All outgoing calls from VoIP are routed to GSM through GSM outgoing group 1**

| Firmware 1.20 | Firmware 1.19 and older |
|---|---|
| | This function was not possible |



| | |
|---|---|
| On picture above you can see how to set a scenario where all incoming calls from GSM incoming group 4 should be sent back to GSM through GSM outgoing group 1 (if dialed number will match Prefix list 2) | This function was not possible |

**LCR table**

| From | Prefixes | Time limit | Weekend usage | Limit [sec] | Groups | Tariffs | ITD | |
|---|---|---|---|---|---|---|---|---|
| VoIP | 1 | 0:00/24:00 | Acc. to time limit | Off | 1 | 0 | No | ➕📄✏️❌⬆️⬇️ |
| g4 | 2 | 0:00/24:00 | Acc. to time limit | Off | 2 | 0 | No | ➕📄✏️❌⬆️⬇️ |
| GSM | - | 0:00/24:00 | Acc. to time limit | Off | V | x | No | ➕📄✏️❌⬆️⬇️ |

| | |
|---|---|
| This function was not possible | |

| | |
|---|---|
| On the picture above you can see how to set described scenario. All calls from VoIP are going through GSM outgoing group | This function was not possible |

To find out more about how to setup call routing please look at FAQ: **New LCR table**