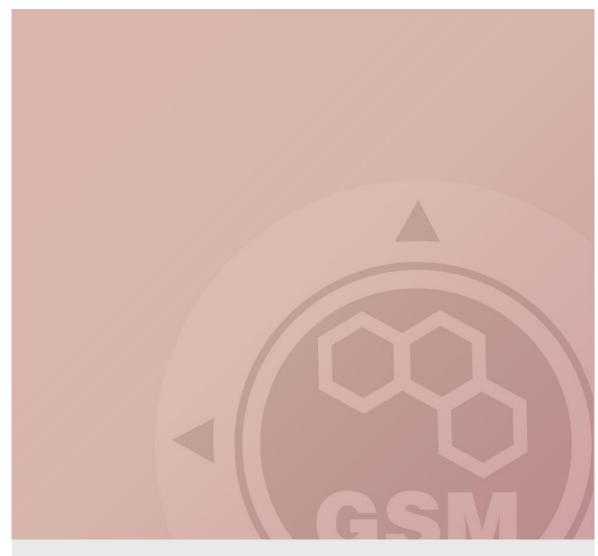


2N[®] VoiceBlue Next



2N® VoiceBlue Next & Innovaphone PBX (IP302)

connected via SIP trunk

Quick guide

Version 1.00

www.2n.cz

2N® VoiceBlue Next has these parameters:

- IP address 192.168.22.42
- Incoming port: 5060

Innovaphone PBX parameters:

- IP address 192.168.22.227
- Incoming port: 5060

SIP TRUNK INTERCONNECTION

 For the setting of the trunk between the VoiceBlue Next and your PBX you need to configure SIP proxy (GSM→IP) for GSM incoming calls. SIP proxy (IP→GSM) is designed for secure communication just with traffic from your PBX. You can specify the IP address and port which will accept SIP packets from.

In case you leave there 0.0.0.0 it will be open for all traffic.



2) Configuration of the LCR (Least Cost Routing)

The GSM operator has e.g. in our country prefix 7 and 8 with a nine digit the length number. The setting is below.



3) You need to create LCR rule for defined prefixes. The GSM group says thru with outgoing group the call will follow and in the GSM group assignment you can define, which SIM card belows to which GSM outgoing group.

mitation Weekend usage /24:00 Use as in week /24:00 Use as in week	Max. length of call Off Off	Groups 2	Add Edit	Remove all
/24:00 Use as in week	Off	2		
			Edit	Remove
/24:00 Use as in week	Off	9		
			Edit	Remove

Gateway configuration		_			GSM groups assignment			
System parameters Modul	e:	Outgoing:		Incoming:				
VolP parameters 0. mod	dule	1. Group	-	1. Group	•			
GSM basic parameters 1. mo	dule	2. Group	-	1. Group	•			

4) Configuration of GSM outgoing groups:

You are able to set up different setting for each GSM group (CLIR, free minutes, Virtual ring tone, roaming and others)

		Gateway Update Restart
Sateway control		
aceway condior	GSM outgoing groups	· · · · · · · · · · · · · · · · · · ·
ateway configuration		
System parameters	1. GSM group 2. GSM group	
VolP parameters	General settings	
GSM basic parameters	General settings	
GSM groups assignment	Delay for CONNECT [s]:	Off 🔽
GSM outgoing groups	Minimal ring duration to send "SMS at no answer" [s]:	Off 📃
GSM incoming groups	Delay for ALERTING [s]:	4
Prefixes	'Minute' parameter:	Count of minutes
LCR table	Day of deleting statistics in group (every month):	1
CLIP Routing table	Generate virtual ring tone:	
Mobility Extension	Call length counting:	Seconds
Ethernet configuration	can onger oodnang.	
Login configuration	Disconnect call	
Web configuration		
Report configuration	SIM limit exceeded:	
onfiguration backup	Time limit exceeded: No ALERTING before CONNECT:	
oungui acion paciculi	NO ALEITTINO DEIDIE CONTRECT.	
	Send CLIP from VoIP to GSM/UMTS	
		AttentionI Must be supported by your GSM / UMTS operator. In other race outmoins calle to GSM / UMTS can be releated.
.ogout ()		

5) Incoming calls

For incoming calls you can define 2 groups with the different behavior and assign them to the GSM modules. The settings are similar with GSM groups assignment for outgoing calls.

GSM grou	ps assignment	
Module:	Outgoing:	Incoming:
0. module	1. Group 💌	1. Group 💌
1. module	2. Group 💌	1. Group 💌

In GSM incoming groups you can define the behavior for each GSM incoming group. Choose the mode to Reject, Ignore, Accept incoming calls or Callback.



You can define the list of called numbers which will be automatically dialed after DTMF dialing timeout if the customer don't press any button till the specified time. From the configuration, you can see 10 seconds for DTMF dialing and after that the call will be routed to the extension 100 to your PBX (if you set up SIP proxy (GSM->IP) in VoIP parameters).

List of called numbers		
	Only 0123456789*#+ characters are allowed	
	EAdd	
	Remove	
	Remove all	
	•	

6

INNOVAPHONE PBX SETTING

 You need to set up Domain and Address for the IP address of the 2N[®] VoiceBlue Next. Communication protocol is SIP with the Mode: "Gateway without registration).

🕹 GW1 2N_VoiceBlue_Ne - Mozilla Firefox	
http://192.168.22.227/RELAY0/mod_cmd.xml?cmd=xml-ifs&id=GW1&xsl=relay_edit_voip.xsl	☆
Name 2N_VoiceBlue_Ne	
Disable	
Protocol SIP -	
Mode Gateway without Registration 👻	
Domain 192.168.22.42	
Address(Proxy) 192.168.22.42	
Mask	
STUN Server	
Local Signaling Port 5060	
Media Properties	
General Coder Preference 🛛 G729A 🔄 Framesize [ms] 30 👘 Silence Compression 🗖 Exclusive 🗖	
Local Network Coder 🛛 🔄 G711A 🖃 Framesize [ms] 30 Silence Compression 🗖	
Enable T.38 🔲 Enable SRTP 🔲 No DTMF Detection 🗖 Enable PCM 🗖 Media-Relay 🗖	
Record to (URL)	
SIP Interop Tweaks	
Accept INVITE's from Anywhere 🛛 🗖 (affects registered interfaces only)	
Enforce Sending Complete 🔲 (affects outgoing SIP calls only)	
No Inband Information on Error 🛛 🗖 (affects incoming SIP calls only)	
From Header when Sending INVITE Fixed AOR 💽 (affects registered interfaces only)	
Identity Header when Sending INVITE CGPN in user part of URI 💌 (affects registered interfaces only)	
Reliability of Provisional Responses Supported 💌 (affects outgoing SIP calls only)	
OK Cancel Apply Delete Help	
Hotovo	

2) Then you need to set up prefixes (routing table) which will be routed to the 2N[®] VoiceBlue Next. In the example is defined just prefix 7.

🕹 RT1 0 - Ma	ozilla Firefox				_ 🗆 🗙
	2.168.22.227/RELAY0/mod_cmd	d.xml?cmd=xml-map&rt=RT	1↦=0&xsl=relay	_edit_route.xsl	☆
Description			Disab	le 🗖	
TEL1 TEL2 BRI1 TEST TONE HTTP ECHO SIP1 SIP2 SIP3 SIP4 OK	GW1 2N_VoiceBlue_Ne GW2 GW3 GW4 GW5 GW5 GW7 GW8 GW9 GW10 GW11 GW12 Cancel Apply D	Force enblock Add #	→ 7 	GW1 2N_VoiceBlue_Ne Cause(DISC)	
Hotovo					

3) In the picture below is setting for incoming calls to Innovaphone PBX. The call is directed to the phone 1.

🕲 RT2 0 VBN to InnovaPhone - Mozilla Firefox	
http://192.168.22.227/RELAY0/mod_cmd.xml?cmd=xml-map&rt=RT2↦=0&xsl=relay_edit_route.xsl	☆ <mark>Z</mark> a
 ▶ http://192.168.22.227/RELAY0/mod_cmd.xml?cmd=xml-map&rt=RT2↦=0&xsl=relay_edit_route.xsl Description VBN to InnovaPhone Disable TEL1 GW2 GW2 Cause(DISC) TEL2 GW3 Add UUI TEST GW4 Final Route Final Map GW7 Verify CGPN GW8 Interworking(QSIG,SIP) GW9 Rerouting as Deflection GW11 GW12 Add # Disable Echo Canceler Call Counter max 	
Hotovo	

4) In the picture below is the complete setting for the Innovaphone PBX routing.

>>>>> 192.	168.22.227	: innovaphone IP	302	
Configuration	General Interfaces	SIP GK <mark>Routes</mark> CDRO CDR	1 Calls	
General				
IP	→ From	То	Counter CGPN M	aps
ETHO	TEL1		lue_Ne b →	
ETH1	GW1:2N_VoiceBlu	$_{\text{Je}Ne} \stackrel{\frown}{=} \stackrel{\frown}{=} \rightarrow \text{TEL1}$	\rightarrow	VBN to InnovaPhone
LDAP				
TEL1				
TEL2				
BRI1				
Administration				
РВХ				
Gateway				
Download				
Upload				
Diagnostics				
Reset				



2N TELEKOMUNIKACE a.s.

Modřanská 621, 143 01 Praha 4 tel.: 261 301 111, fax: 261 301 999, e-mail: sales@2n.cz www.2n.cz