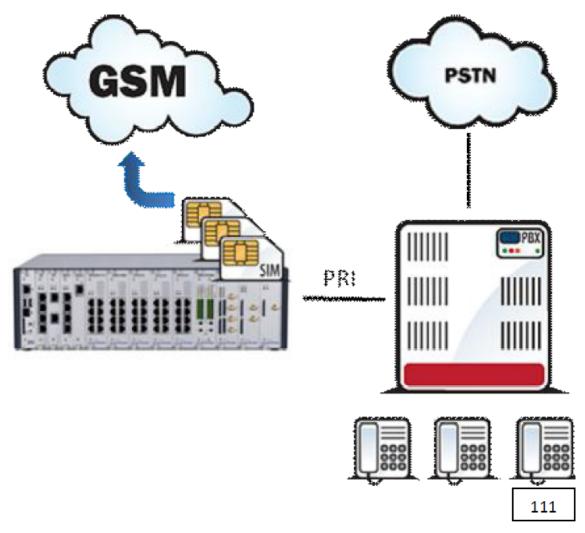


## PRI gateway - How to set 2N® NetStar as a PRI gateway

• This "how to" manual will help you to set up 2N NetStar as a PRI <-> GSM/UMTS gateway. Before you start programming the system, it is highly recommended to read configuration manual.



1. Check your licence - you need at least 1 PRI port licence (Global data -> Licence) . If you do not have it, please contact support@2n.cz.

File	ID	Status
/data/netstar/licence/7.key	NS2LIC-Gbc8d	fd035d97 OK

- 2. Set up PRI port (including jumpers).
  - a. We recommend to set up PRI port as NT. (PRI port of the PBX must be TE).
  - b. Set up PRI port as Default IN -important for proper network tones transmission. (Virtual ports -> BRI/PRI -> Basic).



Hardware     Basic     Boards     Synchronisation     Board & physical port lis     Virtual ports     All     BRI/PRI Delete all tones from Defa	st in the second s	Default IN E [SDN PRI 2 [1:5.1] Default OUT erties -> Tones)		
Default IN     ISDN PRI 2 [1:5.1]	Dial			
Default OUT		Type Tone		
	Alert		Tree	
	AUR	Туре	Tone	
		<		
	Congestion	Cause	Tone	

- 3. Set up GSM/UMTS ports
  - a. .Create a bundle GSM (Routing -> Routing objects -> Bundle) and use all GSM ports in this bundle. It is recommended to use cyclical strategy.

ISM				
	flame	GSM		
	Glubalini ki alagy	Dele 🔹		
	Access number			
	- Funde conquer		- Denul aptions -	
	Cause object	Nure 💌	Noma	N re-
	Normal coal a may		Lue en	None
	No strew if police reject			
	Brule construction and an extern		F-o port elements	None
	Novensiver timeout (s'	1	- Defecti destination -	
	تناها: الريبادا		Dec Dec	-ui
	Rebeau des mations		d Nor	t.
	Destination type	Decontion	Disable opcu:	
		1		
	Vidual pr	65k (* [154]		
	Vitusi per	GDM 07 (1:14 * )		
	Vitostja	35K 38 (1147)		

4. Create a router - From PBX. (Routing -> Routers -> Called party number Router)



This router will send all calls to GSM. It is very important to specify length of the numbers. In our example GSM prefixes are 6 and 7 and numbers are 9-digit long.

From PBX	Name			From PBX						
	Туре		Called number							
	Prefix	Digits after	Remove fr	Add to begi	Remov	Add t	Scheme	Туре	Destination type	Destination
	6	8	0		0		Phone num	Unknow	Bundle	GSM
	7	8	0		0		Phone num	Unknow	Bundle	GSM

5. Use router From PBX as a from port router on the PRI port. (Properties -> Routing).

Default IN	To port Type Default Id None 💌
	From port Normal Type Router Id From PBX

 Create router - From GSM. (Routing -> Routers -> Called party number Router) The purpose of this router is to route all calls from GSM to the predefined extension in the PBX (in our example 111).

From GSM	Name Type		From GSM							
	.,,,,,,			Calica Hamber						
	Prefix	Digits after	Remove fr	Add to begi	Remov	Add t	Scheme	Туре	Destination type	Destination
			0	111	0		Phone num	Unknow	Virtual port	ISDN PRI 2 [1:5.1]
laa rautar Erana CC	M 6-				IT (D					

7. Use router From GSM as a from port router on Default OUT. (Properties -> Routing).

Default IN Default OUT GSM GSM 28 [1:9.1] GSM GSM 37 [1:14.1] GSM GSM 38 [1:14.2]	To port	Default 💌
	From port - Normal - Type	Router
Switch off CLIP normalizing (Cloba		calication)

- Switch off CLIP normalizing (Global Data -> Localisation) in case you do not want NetStar to modify incoming CLI (e.g. strip international prefix)





More product information: 2N<sup>®</sup> NetStar IP (Official Website 2N) 2N<sup>®</sup> NetStar (Official Website 2N)

Manuals: Product support for  $2N^{\circledast}$  NetStar (wiki.2n.cz)