

BAB TECHNOLOGIE GmbH

# **INTERCOM**MODULE 2N<sup>®</sup> IP Verso Documentation

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ΕN

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### INTERCOM STATION CONFIGURATION 2N® IP VERSO

Prerequisite is that the 2N<sup>®</sup> IP Verso is set up into the network, a user is set up for each bell button, for SIP phone (web interface 2N<sup>®</sup>) and an HTTP API account with camera access is activated.

$\frown$		2N IP Verso CZ   EN   DE   FR   IT   ES   RU	Log out
$(\mathbf{\bullet})$	System 💻	Basic 802.1x OpenVPN Trace	
	Network > Date & Time License Certificates Auto Provisioning	Desit     Openvinity     Take       Use DHCP Server     Manual Settings ~       Static IP Address     192.168.1.100       Network Mask     255.255.255.0       Default Gateway     192.168.1.1       Primary DNS     8.8.8.8       Secondary DNS     8.8.4.4	
	Syslog Maintenance	Network Identification ~ Hostname 2NIPVerso-5414405283 Vendor Class Identifier VLAN Settings ~	
		VLAN Enabled  VLAN ID 1 LAN Port Settings >	
			Save

Figure 1: 2N<sup>®</sup> network settings

The following settings must now be done in the 2N<sup>®</sup> IP Verso web interface.

- 1. Log in to the web interface of your 2N<sup>®</sup>.
- 2. Navigate to services / phone and configure the SIP (see fig: 2N<sup>®</sup> SIP configuration)

#### Identity of the intercom

- *Display name:* This field is not important for the **INTERCOM**MODULE configuration.
- *Telephone ID:* Assign any 1-9-digit number here.
- *Domain:* Enter the IP address of the **INTERCOM**MODULE here.

Authentication is optional. For the **INTERCOM**MODULE the authentication isn't necessary.

#### SIP proxy

- *Proxy address:* Enter the IP address of the INTERCOMMODULE here.
- *Proxy port:* The proxy port is set to port 5060 by default.

		2N IP Verso CZ   EN   DE   FR   IT   ES   RU	Log out
$( \bullet )$	Services	SIP 1 SIP 2 Calls Audio Video Local Calls Calling to ACS	
.lı	DI	Intercom Identity ~	1
502	Phone	Display Name 2N IP Verso	
<u>.</u>	Streaming	Phone Number (ID) 2000	
	ONVIF	Domain 192.168.1.221	
	E-Mail	Test Call	
	Automation	Authentication ~	
	ΗΤΤΡ ΑΡΙ	Use Authentication ID	
	Liser Sounds	Authentication ID	
		Password	
	Web Server		_
	Audio Test	SIP PIOXY *	
	SNMP	Proxy Address 192.168.1.221	
		Proxy Port 5060	
		Backup Proxy Address	
		Backup Proxy Port 5060	
		⊂ SIP Registrar ~	-
			Save

Figure 2: 2N<sup>®</sup> SIP configuration

#### NOTE:

In order to be able to use the additional functions door opener, relay (e.g. for light), an additional license is required and purchased separately. You need to activate this so-called "2N<sup>®</sup> Gold Licence" in the web interface of your 2N<sup>®</sup> IP Verso.

			2N IP Verso CZ   EN   DE   FR   IT   ES   RU	Log out
(	Directory	<u>_</u>	← Back to List	
			User Basic Information ~	٦
	Users	>	Name 2Nuser	
<u>R</u>	Time Profiles		E-Mail	
~~~~	nine Fromes		Virtual Number	
	Holidays			
$\mathbf{Q}$			User Phone Numbers 🗸	1
			Number 1	
			Phone Number 2040	
			Time Profile 💿 [not used] 🔹 O	
			2N® IP Eye Address	
			Group Call to Next Number	
			Number 2	
			Phone Number	
			Time Profile 💿 [not used] 🔻 O 📰	
				Save

Figure 3: 2N<sup>®</sup> Phone numbers of the user

3. Navigate to directory / user (see fig: 2N<sup>®</sup> Phone numbers of the user) and assign each bell button its own 1-9 digit phone number. In this example, the 2N<sup>®</sup> system has only one bell button. For each additional button you have to jump up one tab at the top.

#### Number:

- *Phone number:* Enter any 1-9-digit phone number here: Be sure to assign a separate phone number to each bell button.
- *Time profile:* A time profile isn't necessary for using the **INTERCOM**MODULE. Please note that a time profile has an influence on the behaviour of the 2N<sup>®</sup>. If, for example, you limit the time of the SIP phone calls, that no SIP call is forwarded to the **INTERCOM**MODULE during this time.
- **2N® IP Eye address:** Isn't necessary for the operation of the **INTERCOM**MODULE.
- **Parallel call for the following number:** Activation for the parallel call to several clients isn't necessary at this item; you can also configure this function in the **INTERCOM**MODULE.

			2N IP Verso	CZ   EN   DE   FR   IT   ES   RU	Log out
$( \bullet )$	Hardware	Quick Dial Buttons	5 ~		
		Main Unit Buttons			
	Switches	1 No User			+ 📞
	Door				
$\mathbf{X}$	Audio				
	Camera				
	Buttons	>			
	Backlight				

Figure 4: 2N<sup>®</sup> Dial Button

The created telephone number is now to be assigned to the button of the door intercom. This setting is made via the "Hardware" menu under "Button". Another window opens under "+" (Add) to select the user and the telephone number.

	Switches Door	1 No User					+ &
× ¢	Add User					×	
	^ Name		∳ E- Mail	Search Phone Number #1	Phone ♦ Number #2	Phone ♦ Number #3	
	✓ 2Nuser			2040			
	1 - 1 of 1				A	1 dd Close	

Figure 5: 2N<sup>®</sup> user assign to button

4. Navigate to the HTTP API; The adjustments to the transmission protocols are made under "Services". Deviating from the default settings, the camera API is only adapted to the connection type "TCP" and authentication "Basic".

¢	Services 🛠	Services Ac	count 1 Accou	unt 2 Account 3 Acc	count 4 Account 5	LOG OU
.lı &	Phone Streaming	HTTP API	Services ~ enable	CONNECTION TYPE	AUTHENTICATION	
X A	ONVIF	Switch API	<ul> <li>✓</li> </ul>	Secure (TLS) V	Digest ~	
	E-Mail	I/O API	~	Secure (TLS) 🗸	Digest ~	
	Automation	Audio API	✓	Secure (TLS) v	Digest 🗸	
	User Sounds	Camera API	✓ ✓	Unsecure (TCP) V	Basic v	
	Web Server	E-mail API	<ul> <li>✓</li> </ul>	Secure (TLS)	Digest ~	
	Audio Test	Phone/Call API	~	Secure (TLS) 🗸	Digest 🗸	
	SNMP	Logging API	✓	Secure (TLS) ¥	Digest 🗸	

Figure 6: 2N<sup>®</sup> Configuration HTTP API services

5. Enable an account (see fig: 2N<sup>®</sup> Configuration HTTP API). These settings are important for audio and video transmission.

#### User settings:

- Username: This name is required for authenticating the client at **INTERCOM**MODULE.
- Password: The password is required for authenticate the client at **INTERCOM**MODULE.

#### User permissions:

• Here you must activate the camera access for monitoring. All other settings are not necessary for video transmission.

	Comisso <b>K</b> k		2N IP Verso	CZ   EN   DE   FR   IT   ES	RU Logio
ூ	Services 🛪	Services Account 1 Acco	ount 2 Account	t 3 Account 4 Account	: 5
.h		✓ Account Enabled			
<u></u>	Phone	User Settings ~			
<u> </u>	Streaming		Username	admin123	
X	ONVIF		Password	•••••	
	E-Mail	User Privileges ~			
	Automation	DESCRIPTION		MONITORING	CONTROL
	HTTP API	System Access		✓	~
	User Sounds	Phone/Call Access			✓
	Web Server	I/O Access			~
	Audio Test	Switch Access			✓
	SNMP	Audio Access			✓
		Camera Access		✓	
		Display Access			
		E-mail Access			✓
				_	
					Save

Figure 7: 2N<sup>®</sup> Configuration HTTP API

## Configuration of the $2N^{\ensuremath{\mathbb R}}$ in the $\ensuremath{\text{INTERCOM}}$ MODULE

		Outdoor station name	2N-doorstation
INTERCOMMODULE		Type of door communication	2N 👻
> Start > Intercom Configuration		SIP Settir	ngs
Video intercoms		SIP IDs of the outdoor station	2000
Outdoor Stations	2N-doorstation	HTTP Sett	ings
	Add Edit Delete	Hostname / IP address of the outdoor station	192.168.1.100
Indoor Stations	CONTROL-L-firefox-Windows10-vpAR3d	HTTP Port of the outdoor station	80
	CONTROL-L-firefox-Windows10-xmPnS' WinPC (222)	HTTP User of the outdoor station	admin123
		HTTP Password of the outdoor station	
		Video via HTTP instead of SIP	2
	MOD EDIC DEIMA	Cancel	OK
	Million (Unity)	station Call Button Con	figuration
	Add Edit Delete	Call Button Name	2Nuser
Visualization		Call Button SIP ID	2040
Instant configuration token	3coxurxj3cofdqcne6kf4m8yahyax2f8	Outdoor Stations	2N-doorstation 🗸
	Delete token	Assign Indoor	Stations
	onfiguration 2N®	WinPC (222)	2
		Automatically Confi	gured Clients
		CONTROL-L-firefox-Windows10-vpAR3ojl (1064163710)	
		CONTROL-L-firefox-Windows10-xmPnS1mA (1709464711)	

Figure 10: INTERCOMMODULE configuration 2N® Call Buttons

Outdoor Station Configuration



Figure 11: 2N<sup>®</sup> device overview

Note: In the 2N<sup>®</sup> IP Verso device overview it is not necessary that the SIP for the **INTERCOM**MODULE is displayed as registered.