



An Axis company

There is necessary to set TapHome Core IP address as SIP server. To find IP address of the Core use TapHome app and click on your location to display this information. Then set following parameters:

SIP 1 SIP 2 Calls Audio Video 2N Indoor Units

Intercom Identity ▾

Display Name 2N IP Verso

Phone Number (ID) 111 1

Domain 192.168.100.84 2

Test Call

Authentication ▾

Use Authentication ID

Authentication ID

Password ●●●●●●

SIP Proxy ▾

Proxy Address 192.168.100.84 3

Proxy Port 5060

Backup Proxy Address

Backup Proxy Port 5060

SIP Registrar ▾

Registration Enabled 4

Registrar Address 192.168.100.84 5

Registrar Port 5060

Backup Registrar Address

Backup Registrar Port 5060

Registration Expires 120 [s]

Registration State REGISTERED

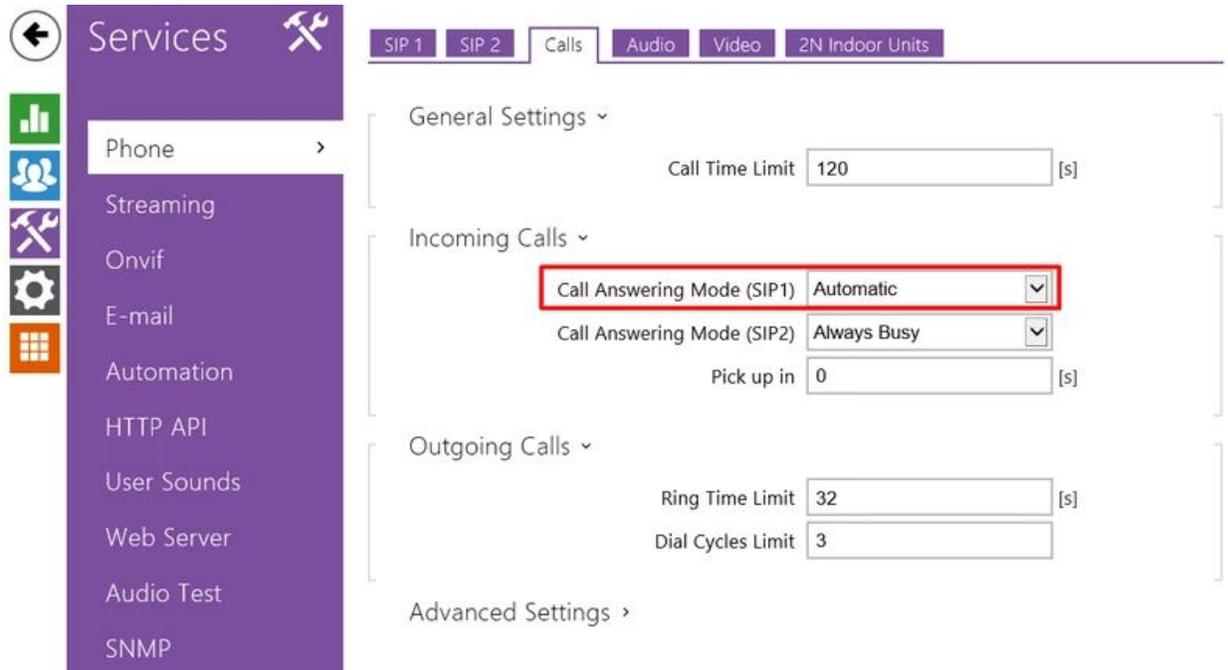
Failure Reason -

Save

1. Set phone number (ID) to 111
2. Set Core IP address as Domain
3. Set Core IP address as Proxy Address
4. Enable registration
5. Set Core IP address as Registrar address

Save the values. After adding the device to TapHome the registration state change to REGISTERED.

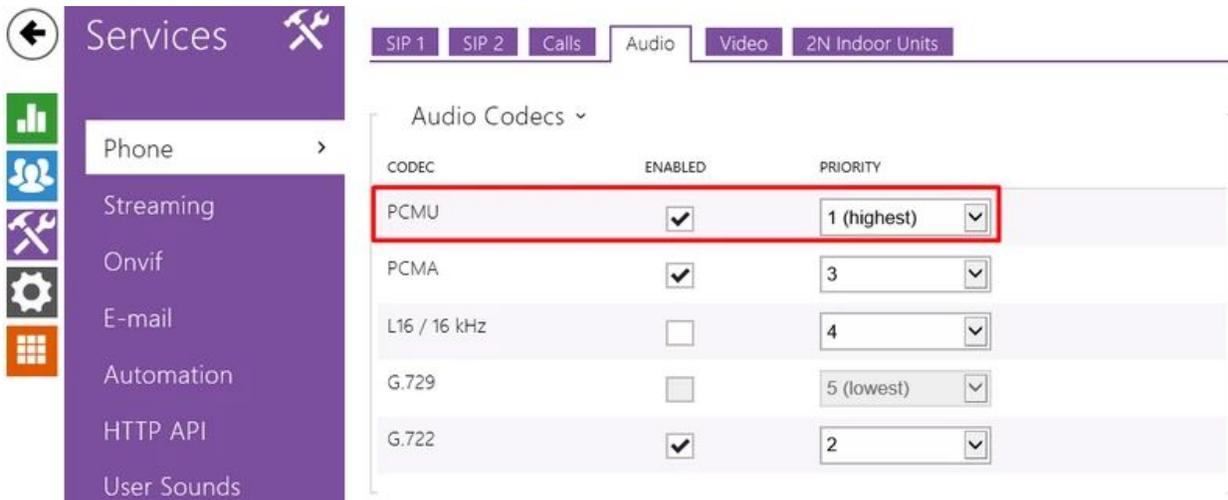
Set call parameters:



The screenshot shows the 'Services' configuration page for SIP 1. The 'Calls' tab is selected, and the 'Call Answering Mode (SIP1)' is set to 'Automatic'. Other settings include 'Call Time Limit' at 120s, 'Call Answering Mode (SIP2)' at 'Always Busy', and 'Pick up in' at 0s. The 'Outgoing Calls' section shows 'Ring Time Limit' at 32s and 'Dial Cycles Limit' at 3. The 'Advanced Settings' section is partially visible.

Section	Parameter	Value	Unit
General Settings	Call Time Limit	120	[s]
	Call Answering Mode (SIP1)	Automatic	
Incoming Calls	Call Answering Mode (SIP2)	Always Busy	
	Pick up in	0	[s]
	Ring Time Limit	32	[s]
Outgoing Calls	Dial Cycles Limit	3	

TapHome SIP server use audio codec G711 (PCMU) for audio session. Use following audio setting in the door bell device:



The screenshot shows the 'Services' configuration page for SIP 1, with the 'Audio' tab selected. The 'Audio Codecs' section is expanded, showing a table of codec settings. The 'PCMU' codec is highlighted with a red box, indicating it is enabled and has the highest priority.

CODEC	ENABLED	PRIORITY
PCMU	<input checked="" type="checkbox"/>	1 (highest)
PCMA	<input checked="" type="checkbox"/>	3
L16 / 16 kHz	<input type="checkbox"/>	4
G.729	<input type="checkbox"/>	5 (lowest)
G.722	<input checked="" type="checkbox"/>	2

Enable HTTP API camera access:

Services

- Phone
- Streaming
- Onvif
- E-mail
- Automation
- HTTP API
- User Sounds
- Web Server
- Audio Test
- SNMP

Services Account 1 Account 2 Account 3 Account 4 Account 5

HTTP API Services

SERVICE	ENABLED	CONNECTION TYPE	AUTHENTICATION
System API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Switch API	<input checked="" type="checkbox"/>	Unsecure (TCP)	Digest
I/O API	<input checked="" type="checkbox"/>	Unsecure (TCP)	Digest
Audio API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Camera API	<input checked="" type="checkbox"/>	Unsecure (TCP)	Basic
Display API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
E-mail API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Phone/Call API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest
Logging API	<input checked="" type="checkbox"/>	Secure (TLS)	Digest

Create user for HTTP API access in Account1.

The screenshot shows the 'Directory' management interface. On the left is a navigation pane with 'Users' selected. The main area is titled 'User Basic Information' and 'User Phone Numbers'. Under 'User Basic Information', the 'Name' field contains 'Test', while 'E-mail' and 'Virtual Number' are empty. Under 'User Phone Numbers', there are three sections: 'Number 1', 'Number 2', and 'Number 3'. In the 'Number 1' section, the 'Phone Number' field is highlighted with a red box and contains the text 'sip:111@192.168.100.84'. Below it, the 'Time Profile' is set to '[not used]', and the '2N® IP Eye Address' and 'Parallel call to following number' fields are empty. The 'Number 2' and 'Number 3' sections have identical empty fields. At the bottom, the 'Deputy' section has an empty 'User Deputy' field.

Set phone number to sip:nnn@CoreIpAddress where sip: is indicating that the call will be done through SIP, nnn is the SIP number, CoreIpAddress is the IP address set for SIP server.

Check that the door lock is set to switch1:

Hardware

- Door
- Switches
- Audio
- Camera
- Buttons
- Backlight
- Digital Inputs

Door | Entry Rules | Exit Rules

Door Lock

Assigned Switch: Switch 1

Door Open Sensor

Assigned Input: None

Input Mode: Non Inverted

Unauthorised Door Open Detection:

Door Open Too Long Detection:

Maximum Door Open Time: 60 [s]

Check or set the Switch 1 parameters to corresponds to your requirements for door opening:

Hardware

- Door
- Switches
- Audio
- Camera
- Buttons
- Backlight
- Digital Inputs
- Extenders

Switch 1 | Switch 2 | Switch 3 | Switch 4 | Advanced

Switch Enabled

Basic Settings

Switch Mode: Bistable

Switch-On Duration: 5 [s]

Time Profile: [not used]

Distinguish on/off codes:

Test the switch

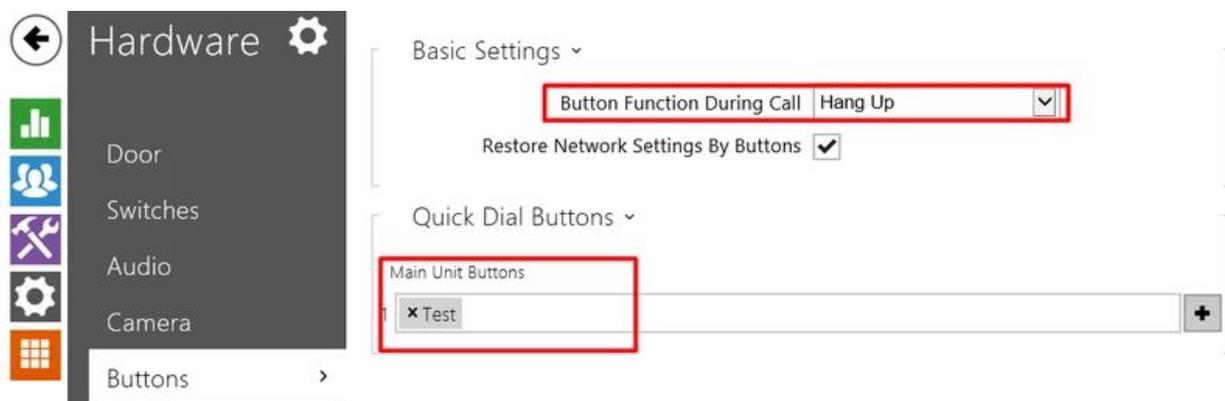
Output Settings

Controlled Output: Relay 1

Output Type: Normal

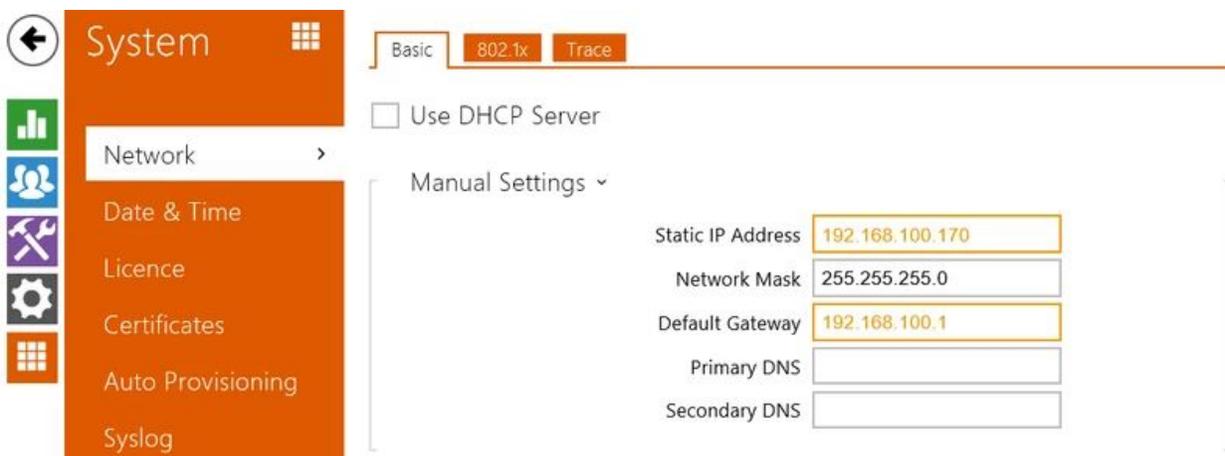
For TapHome full control over the door use Bistable switch mode.

Set quick dial button parameters:



Set button function during call to hang up. Set the predefined user to which door bell device will make SIP call when the ring button is pressed.

It is imperative that the IP address of the door bell is not changed. In case that your network router can be set to use permanent IP address for the device according to MAC address you can use this settings. In case that this can not be set it is better to set the static IP address for the door bell device. In following example the router address is 192.168.100.1 and the device IP address is set to 192.168.100.170.



For detailed information regarding used settings or any other setting please follow the producer Configuration Manual <https://wiki.2n.cz/hip/conf/latest/en>