

# How to set up a SIP channel to interconnect with a SpeakUp account

Applies to VoipNow 3 and higher!

This article describes the steps required for setting up a SIP channel that you can use to interconnect with your SpeakUp account.

## Step-by-step guide

This is what you need to do if you want to configure a SIP channel that can connect with your SpeakUp account:

**STEP 1:** Log in the VoipNow interface and click on **Channels** in the side menu. The **Channel Management** page will open.

**STEP 2:** Click the **Add new SIP channel** icon and set it up as described here:

- **Clone settings from channel:** --
- **Name:** Fill in the desired channel name, for example `SpeakUp Channel`.
- **I want to configure the channel:** Select manually from the drop-down list.
- **Send calls to:** `sip.speakup.nl`
- **Accept calls from IPs/network:** `193.169.139.0/255.255.255.0`
- **Username:** `your_sip_username`
- **Password:** `your_sip_password`
- **Confirm password:** `your_sip_password`
- **Do not register:** unselected
- **Concurrent calls (outgoing+incoming):** Fill in the number of channels you purchased, both for incoming and outgoing calls (e.g.: 10).
- **Charging plan:** Choose either `Free` or `Paid`, depending on your requirements. If you select `Paid`, then do not forget to add costs to the channel!
- **Channel capabilities:** Both
- **DTMF mode:** `RFC2833`
- **Behind NAT:** Select this checkbox if the channel is located behind a NAT (Network Address Translation) router.
- **CallerID for outgoing calls:** It should not be needed, so leave this text box empty.
- **From domain:** `speakup.nl`
- **Qualify value:** `300ms`
- **Trusted channel:** selected
- **Trust Remote-Party-ID SIP header:** selected
- **Send Remote-Party-ID SIP header:** selected
- **Channel codecs:** Select the corresponding checkboxes for the `ulaw`, `alaw`, `g729` codes.
- **Use MD5:** unselected

You can leave the fields not mentioned in this example as they are or you can customize them according to your requirements.

**STEP 3:** Select the **Set up the public phone numbers assigned to the channel** checkbox in order to add the number(s) you have purchased.

**STEP 4:** Click **OK**.

**STEP 5:** Use the **Add Public Phone Numbers to Channel {channel\_name}** to define the numbers. Make sure you add them correctly!

The SpeakUp number format is:

`318877xxxxx`

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- [How to use Homer capture agents with VoipNow](#)
- [How to change music on hold for an extension](#)
- [How SIP forking works in VoipNow](#)