

MAYAH Communications Application Note 36

Using the Mayah SIP Server

1. General description

With every MAYAH Communications Codec we provide a SIP Account for MAYAH's SIP server. This account can be used to test and try the SIP functionality of your Codec and comes free of charge.

These are the login details needed for using the SIP server:

- Sip Server / Registrar: sip.mayah.com
- STUN Server: stun.mayah.com
- Account Username: The last 6 digits of your serial number
- Account Password: same as Account Username
- Account Phonenumber: same as Account Username

The Serial number can be found on a sticker attached to the codec and should read something like **N0030D6ABC123**. In this case the Account Username would be **ABC123**. The serial number can also be retrieved using the front panel in the menu SYSTEM/MISC/Device ID (or SETUP/MISC/Identification for the previous generations), as well as in the menu SETUP/Misc of the web remote control or STATUS/Identification for the older products.

Note: MAYAH Communications provides the SIP Server for testing purposes only.

It is beyond the scope of this document to give a complete overview over the functionality that SIP provides. Figure 1 gives an overview over the signal flow during a typical SIP Session.

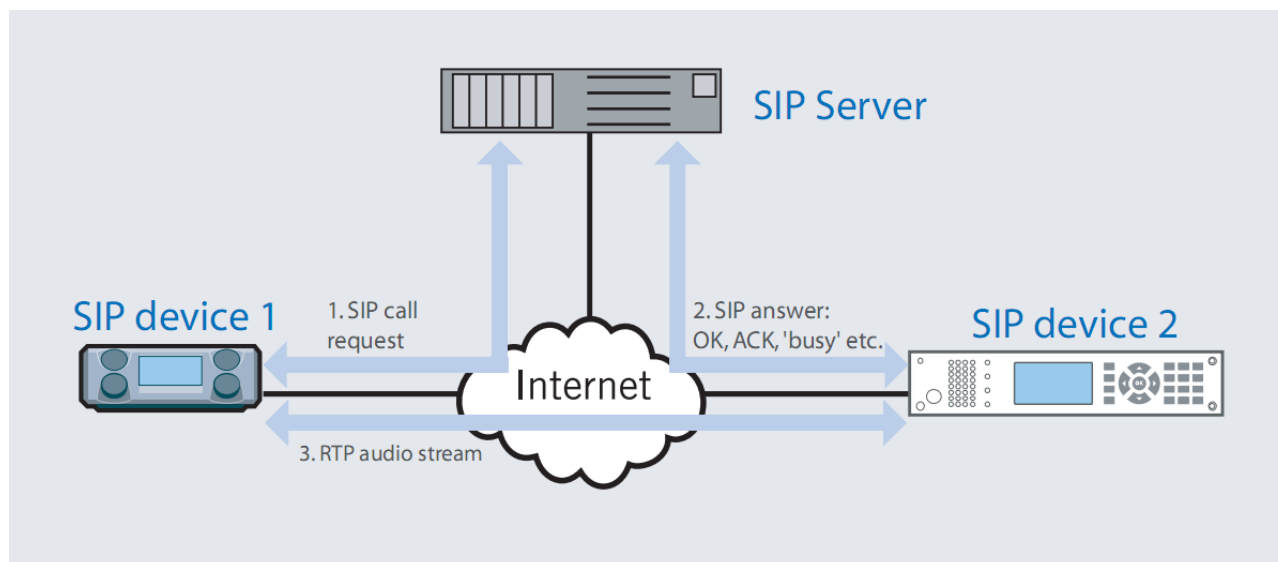


Figure 1: SIP Signal Flow

2. Prerequisites

In order to use the SIP server you need the following:

- An Internet connection (this could be a 3G connection as well)
- A valid DNS Server setting (this is most likely correct if you use DHCP)

3. How to enable the SIP account

MAYAH codecs are equipped with five registration slots (Account IDs), i.e. you can have up to 5 different Server settings stored. Only one account can be active at a time, so if you activate an account the others will be deactivated.

3.1 via Front panel

for the current product family the SIP settings can be found under CODEC -> SETUP -> INTERFACE -> Ethernet->SIP

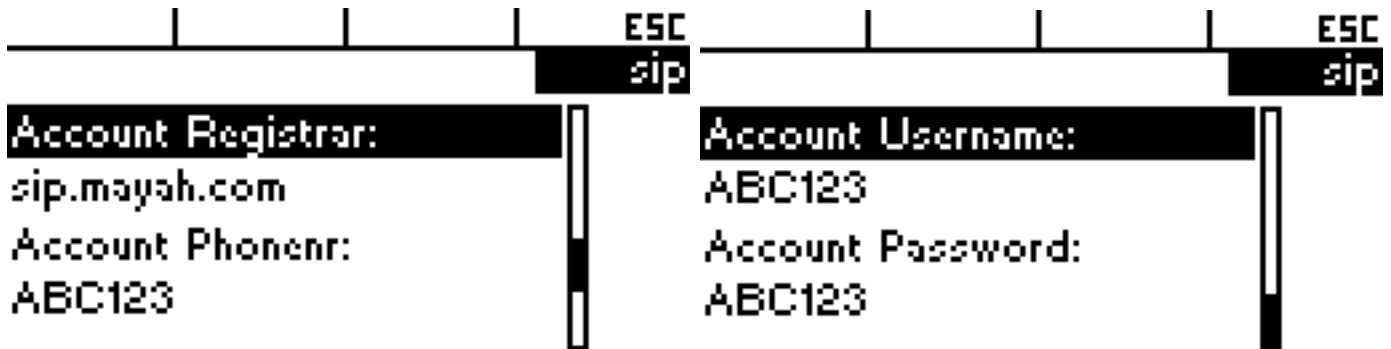
First enter the STUN Server.

```
ESC
sip
globalproxy:
STUNserver:
stun.mayah.com
```

Then select an **Account ID** (registration slot) and make sure that **Account active** is set to **off**. Otherwise the changes you make to the account will not be committed.

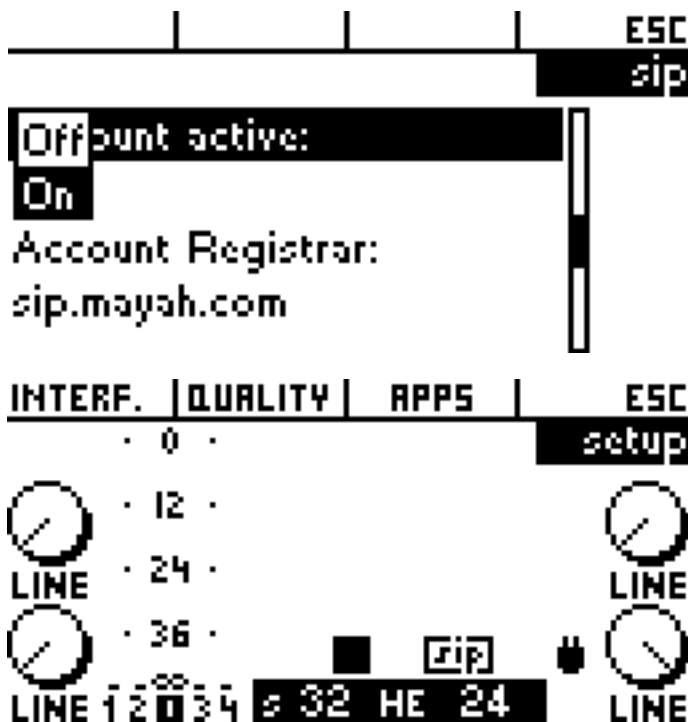
```
ESC
sip
Account Id:
1
Account active:
Off
```

Now enter the login details.



Please use the login details as described in Section 1.

Now you can turn on the SIP account in order to register with the server. If successfully registered you will see the SIP logo in your status bar.



3.2 via Remote Software

The same settings can be done in the corresponding menus of your remote software. E.g. SETUP/Ethernet/SIP or Settings/SIP)

4. Placing calls

To call another codec through the MAYAH SIP Server you need to select SIP as the protocol for the call. If you plan to use a phonebook entry or are using remote commands you need to prefix the destination address with '**sip:**'; for example: '**sip:ABC123**' (without quotation marks).

The destination address must be that of a codec that is already registered to the MAYAH SIP Server (direct peer-to-peer SIP calls are also possible, but not subject of this Application Note). To dial, you can either use ABC123@sip.mayah.com or only ABC123 . Where ABC123 is the Phonenummer from the login details of the peer device. Please note, that the Phonenummer may be case sensitive.

For testing purposes a Codec is available under 'mayah1'. Feel free to use this for tests, but keep in mind, that this is just one codec and other users might be trying to use it.