

# AllStar SIP Phone Configuration

[wiki.allstarlink.org](http://wiki.allstarlink.org)

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# 1 AllStar SIP Phone Configuration

**Legacy Version** - This page is about a legacy version of AllStarLink. See <sup>1</sup>

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<sup>1</sup> <https://allstarlink.github.io/adv-topics/sip-phone/>



## 2 AllStar SIP Phone Configuration

This example configuration shows how to set up a sip phone extension and allow it to connect with an AllStar node on the same server.

Most of this example is standard Asterisk PBX configuration. Only the example line `exten => 2522,1,rpt(2522|P)` is unique to `app_rpt`. So if you already have your PBX working, all you'll need to do is add the above line to your dialplan phone context (`[sip-phones]` in this example) and restart `app_rpt` or do `dialplan reload`.

Edit `modules.conf` to be sure the sip module is loaded. The sip port on your router need not (should not) be open.

```
load => chan_sip.so ; Session Initiation Protocol (SIP)
```

Edit `sip.conf` to allow your sip phone to login to your AllStar PBX.

```
In General section, use this to mask reason for rejecting (light hacker
protection) .
alwaysauthreject=yes
Change to no if you try debugging sip phones so you can see the real reason for
the reject.
```

```
Settings for each sip extension. If not specified per sip, anything from General
section will apply.
```

```
[210]
type=friend
host=dynamic
username=210
secret=<your secret passwd> ; make it yours
dtmfmode=rfc2833
mailbox=210 ; Mailbox for message waiting indicator
context=sip-phones ; Points to the stanza in extensions.conf
callerid="Tim Line 1" <210>
```

Edit `extensions.conf` to add your line(s) to the dialplan. The last 3 lines are the magic part that allows connection to your node. **Please be sure to change the example node numbers to yours.**

```
[sip-phones]
; Extension 210 - Tim's line 1
; Extension 211 - Tim's line 2
; Extension 212 - Garage phone
; Extension 213 - Cordless Phones ATA
; Extension 1000 - Voice Mail

exten => 210,1,Dial(SIP/210,60,rT)
exten => 211,1,Dial(SIP/211,60,rT)
exten => 212,1,Dial(SIP/212,60,rT)
exten => 213,1,Dial(SIP/213,60,rT)
exten => 1000,1,Voicemailmain(210)
exten => 1000,2,Hangup

Make / add in extensions.conf for routing (considered dialplan in asterisk)
; Allow SIP calls to local nodes
exten => 25330,1,rpt(25330|P)
exten => 25331,1,rpt(25331|P)
exten => 2522,1,rpt(2522|P)
```

The 'P' tells asterisk to connect to node in 'phone control mode'. Now you can dial your node number and go off-hook. You are connected your node. Dial you node around just as if you were on the radio. You must use \*99 to make PTT and # to unkey.

## 2.1 Contributors

- KB8JNM<sup>1</sup>
- N8EI<sup>2</sup>
- WD6AWP<sup>3</sup>
- This page was last edited on 18 October 2024, at 16:33.

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Edits User



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<sup>1</sup> Chapter 4 on page 13





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