AREDN Phonebook Installation  
(short version)

# Installation on the hap Router

First, you have to ssh into your router (address: localnode.local.mesh) using mobaXterm or PUTTY, or any other terminal program. Keep in mind to use port 2222.

Ein Bild, das Text, Screenshot, Software, Multimedia-Software enthält.

Automatisch generierte Beschreibung

Example: MobaXterm (<https://mobaxterm.mobatek.net/download.html>)

For the next steps, your hap Router needs to be connected to AREDN (SwissDigitalNet or other), where your organization's phonebook is hosted.

First, we run phonebook\_installer.sh (call is valid for Switzerland):

curl http://hb9edi-apu-1.local.mesh:8080/filerepo/Phonebook/phonebook\_installer.sh | sh -s http://hb9edi-apu-1.local.mesh:8080/filerepo/Phonebook/

(Please replace “http://hb9edi-apu-1.local.mesh:8080/filerepo/Phonebook “ with the address of your organization’s web server)

Now you should have the settings.txt file on your router

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Automatisch generierte Beschreibung

The initial settings.txt looks like that:

#Direct calling or PBX operation

download\_directory\_direct=YES

download\_directory\_pbx=YES

#Which Brands of phones are used on your router

create\_yealink=YES

create\_cisco=NO

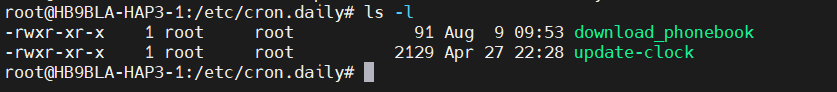
create\_noname=NO

And in the /www directory, you should find all the requested xml phonebooks:



(I only selected Yealink phones, but I want to have direct and PBX calling phone books. You may have more or fewer files according to the definition of your settings.txt).  
Currently, only Yealink phones are supported.

And in /etc/cron.daily/, you should see the “download\_phonebook” file:



This job downloads the phonebook every day once. Because our routers do not support crontab, we had to use this trick.

Now we can go on with the phones.

# Parameters in Yealink Phones

Name your telephone with your number (your number is PLZ+double digit number, starting at 30).

In Switzerland, three administrators are defined: HB9FND, HB9JAT, and HB9BLA. If not sure: HB9BLA

A common Swiss telephone book is maintained. Without entering your number there, you will not get the advantages of this phonebook.

Ein Bild, das Text, Screenshot, Software, Zahl enthält.

Automatisch generierte Beschreibung

Ein Bild, das Text, Screenshot, Zahl, Design enthält.

Automatisch generierte Beschreibung

## Directory

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Automatisch generierte Beschreibung

Add one or two files into the “remote phonebook” of your telephone. Make sure you do this only when the telephone is connected to a router where you installed the appropriate phonebooks

Here are the entries for copy-paste (you can use these addresses to test if your router installation is ok)

http://localnode.local.mesh/phonebook\_yealink\_direct.xml

<http://localnode.local.mesh/phonebook_yealink_pbx.xml>

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Automatisch generierte Beschreibung

# Install SIPproxd on your hap router (only hap lite for the moment)

Yealink phones need to be registered to a SIP server to work properly with the phone books. If you have no PBX available, you can install SIPproxd on your hap router and connect your Yealinks to this server. If you use a PBX, configure the account as usual. Then, you have the single point of failure (if the connection to the PBX is lost, your phone will no more properly work also for direct calls). Maybe you consider a fallback scenario with SIProxd as a second accont?

curl http://hb9edi-apu-1.local.mesh:8080/filerepo/Siproxd/SIProxd\_installer.sh | sh

(Also here, replace “http://hb9edi-apu-1.local.mesh:8080/filerepo/Phonebook “ with the address of your hoster’s web server)

Add “localnode.local.mesh” as a server host in your phones:

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Automatisch generierte Beschreibung

Check if your phone is registered.

Now your telephones attached to this particular router should see the requested phone books, and names should be shown when you get calls. Chose the direct phone book for direct calls.