

Login with root to ssh console on your AREDN Router:

Paste following command in your shell

```
curl -s -L http://hb-aredn-srvt01.local.mesh/phonebook/installpb.sh | sh
```

Press Enter

This command/Script installs all necessary folders, cronjob, and TFTP Service.

After installation the router reboots automatically. Wait up to 5 minutes.

enter:

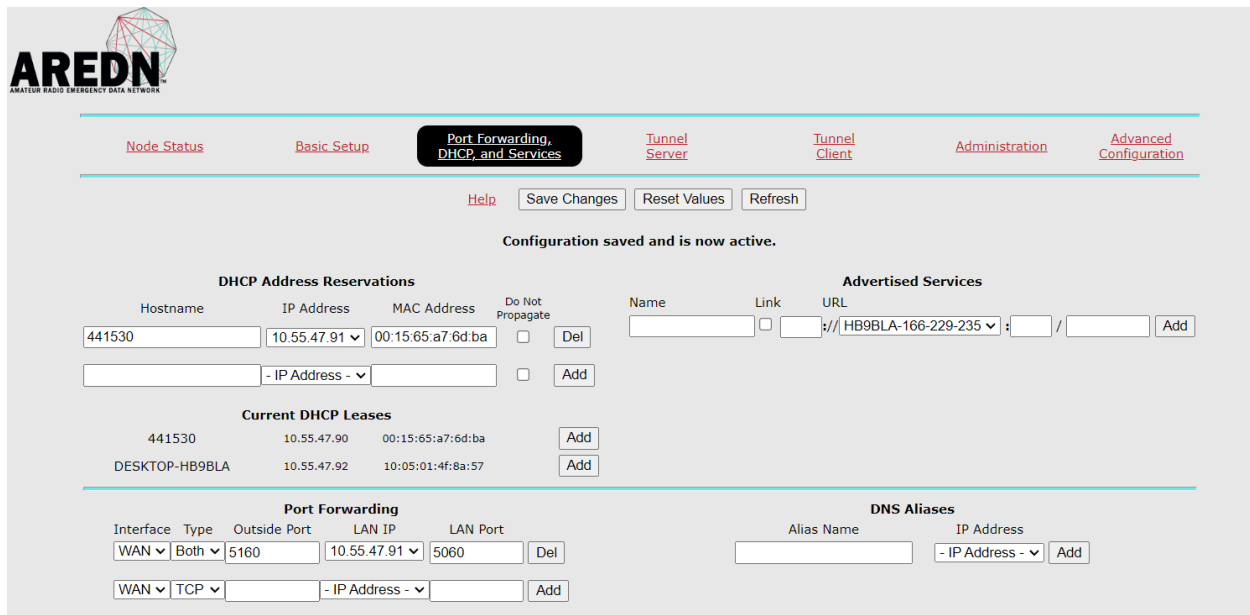
```
crontab -e
```

check if you only have one line like that (delete one otherwise):

```
*/30 * * * * curl --output /srv/tftp/phonebook.xml -O http://hb-aredn-srvt01.local.mesh/phonebook/phonebook.xml
```

exit with ctrl-C

Create a port forward on your AREDN Router for the Yealink Phone



The screenshot shows the AREDN web interface with the 'Port Forwarding, DHCP, and Services' tab selected. The interface includes a navigation bar with tabs: Node Status, Basic Setup, Port Forwarding, DHCP, and Services (active), Tunnel Server, Tunnel Client, Administration, and Advanced Configuration. Below the navigation bar are buttons for Help, Save Changes, Reset Values, and Refresh. A message states 'Configuration saved and is now active.' The main content area is divided into three sections: DHCP Address Reservations, Advertised Services, and Current DHCP Leases. The DHCP Address Reservations section has a table with columns: Hostname, IP Address, MAC Address, Do Not Propagate, and Del. The Advertised Services section has a table with columns: Name, Link, and URL. The Current DHCP Leases section has a table with columns: Interface, Type, Outside Port, LAN IP, and LAN Port. The Port Forwarding section has a table with columns: Interface, Type, Outside Port, LAN IP, and LAN Port. The DNS Aliases section has a table with columns: Alias Name and IP Address.

Host	IP Address	MAC Address	Do Not Propagate	Del
441530	10.55.47.91	00:15:65:a7:6d:ba	<input type="checkbox"/>	<input type="button" value="Del"/>
	- IP Address -		<input type="checkbox"/>	<input type="button" value="Add"/>

Name	Link	URL
	<input type="checkbox"/>	:// HB9BLA-166-229-235 : / <input type="button" value="Add"/>

Interface	Type	Outside Port	LAN IP	LAN Port	Del
WAN	Both	5160	10.55.47.91	5060	<input type="button" value="Del"/>
WAN	TCP		- IP Address -		<input type="button" value="Add"/>

Interface	Type	Outside Port	LAN IP	LAN Port
441530		10.55.47.90	00:15:65:a7:6d:ba	<input type="button" value="Add"/>
DESKTOP-HB9BLA		10.55.47.92	10:05:01:4f:8a:57	<input type="button" value="Add"/>

Alias Name	IP Address
	- IP Address - <input type="button" value="Add"/>

Now you can configure the Remote phonebook on your Yealink web interface.

The screenshot shows the Yealink T48G web interface. The top navigation bar includes 'Status', 'Account', 'Network', 'Dsskey', 'Features', 'Settings', 'Directory', and 'Security'. The 'Directory' tab is selected. On the left sidebar, 'Local Directory' is expanded, showing 'Remote Phone Book', 'Phone Call Info', 'LDAP', 'Multicast IP', and 'Setting'. The main content area displays a table for configuring the Remote Phone Book. The table has three columns: 'Index', 'Remote URL', and 'Display Name'. The first row is pre-filled with '1' in the index, 'tftp://localnode.local.mesh/phonebook.xml' in the Remote URL, and 'AREDN' in the Display Name. There are four empty rows for additional entries. Below the table, there are two settings: 'Incoming/Outgoing Call Lookup' set to 'Enabled' and 'Update Time Interval(Seconds)' set to '21600'. There are 'Confirm' and 'Cancel' buttons at the bottom. On the right, a 'NOTE' box explains the Remote Phone Book functionality and provides a link to guides.

Index	Remote URL	Display Name
1	tftp://localnode.local.mesh/phonebook.xml	AREDN
2		
3		
4		
5		

Incoming/Outgoing Call Lookup: Enabled
Update Time Interval(Seconds): 21600

Confirm Cancel

NOTE
Remote Phone Book
It is a centrally maintained phone book, stored on the remote server.
Users only need the access URL of the remote phone book. The IP phone can establish a connection with the remote server and download the phone book, and then display the remote phone book entries on the phone user interface.
You can click here to get more guides.

tftp://localnode.local.mesh/phonebook.xml

Your remote phonebook downloads every 30min from the source over the mesh network.

In this phonebook you find two entries for each name:

- A PBX number (only works when the PBX is reachable and creates additional traffic on the network)
- A longer direct entry (works as long as your counterpart is reachable and creates less traffic)

Here is the install script that is downloaded via the AREDN Mesh:

```
vmkdir /srv
cd /srv
mkdir tftp
(crontab -l 2>/dev/null; echo "*/30 * * * * curl --output /srv/tftp/phonebook.xml
-O http://hb-aredn-srvt01.local.mesh/phonebook/phonebook.xml") | crontab -
curl --output /srv/tftp/phonebook.xml -O http://hb-aredn-
srvt01.local.mesh/phonebook/phonebook.xml
echo "config dnsmasq
        option 'enable_tftp' '1'
        option 'tftp_root' '/srv/tftp'" >> /etc/config/dhcp
reboot
```