Connect to an Overhead Paging System / Intercom

- Snom PA 1

Snom PA 1

The **Snom PA1** is a simple and reliable device used for making announcements over loudspeakers in places like schools, offices, and stores. It connects to modern phone systems, so you can make announcements from your phone using the internet. It’s easy to set up, works with existing speaker systems, and makes sure your messages are loud and clear for everyone to hear.

Simple Single PA

Simply add Extension for the Snom PA and add it as regular phone, line 1. Manual Provision will likely be need to be performed by Support Team to get it connected. Whenever you call that extension or if that extension is part of ring group of any kind, it will auto answer and allow anyone to speak through it. (Be careful of adding to any ring group)

Multiple PA's

This can be done multiple different ways. You may just do several Simple Single PA's that you call each Ext separately as needed. But in addition you can make single Snom PA to broadcast to any or all devices configured to listen to Multicast Paging IP/Port.

Multicast Paging on Snom PA1 Phones

Snom PA1 as Multicast Listener

```
mc_address1="224.0.1.116:5001"
```

You would make each Snom PA1 as a listener, except the Main one you want to Broadcast. In addition you can configure all Grandstream phones to also listen and broadcast the same media if desired.

To enable Multicast on the receiving on Grandstream phones, use the following overrides.

```
P1569="224.0.1.116:5001"
P1570="Multicast-Receive"
```

Snom PA1 as Multicast Relay

The Snom PA1 can be configured to take Unicast RTP and relay to Multicast. You can set up the Snom PA1 as an extension, then call that extension. The Snom PA1 will broadcast that media to its own output and to a configured Multicast Address.

```
multicast_relay_address1="224.0.1.116:5001"
```

> The Snom PA1 cannot be setup as both a listener and a relay at the same time.

> Firmware version 8.9.3.xx + required PA1 and 10.1.169.15+ for PA1+

Known Good Firmware (PA1+): https://downloads.snom.com/fw/10.1.169.15/bin/snomPA1P-10.1.169.15-SIP-r.bin

Manually

After you have configured the PA1 with an extension on one of the four available Identities, you can configure that extension for Multicast Paging.

1. From the Web User interface of the PA1, navigate to the Identity you want to configure.
2. Select the RTP tab
3. Configure the Multicast Relay Address and listening port. i.e. 224.0.1.116:5001
4. Select Apply and then Save to save the settings change.