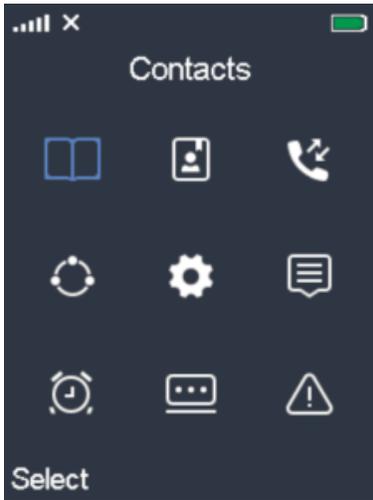


DECT - 5. Measuring with DECT Discovery Mode

This first phase is important in order to determine the position of the base stations ensuring a proper signal coverage. This task can be accomplished using one base and one handset:

1. **Turn on** the base station. The base station should be set to factory default values. Network connection (DHCP, etc..) is not needed for this step.
2. Once the base is **booted** you should position the handset close to the base station (~2m).
3. On the handset, activate the **discovery menu** pressing the keys **[Menu]*47***



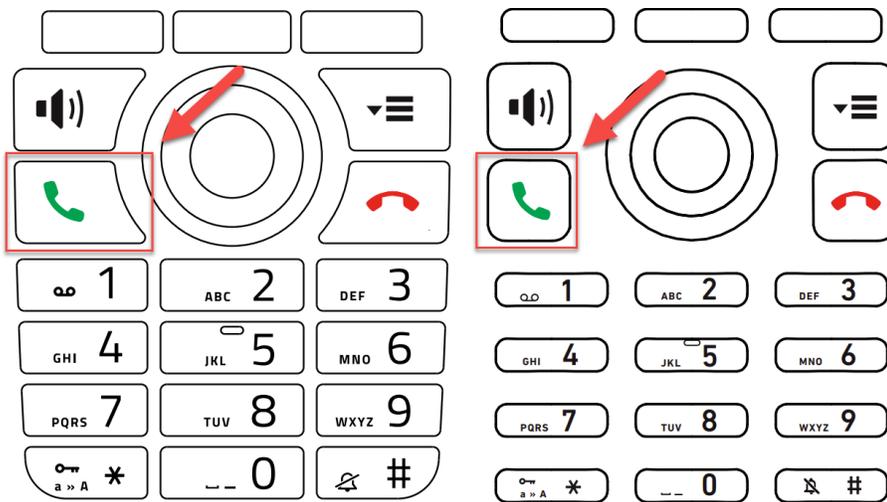
4. Now the **handset** will display the base station **MAC address** (in case you are close to more than one base please select the correct MAC address).



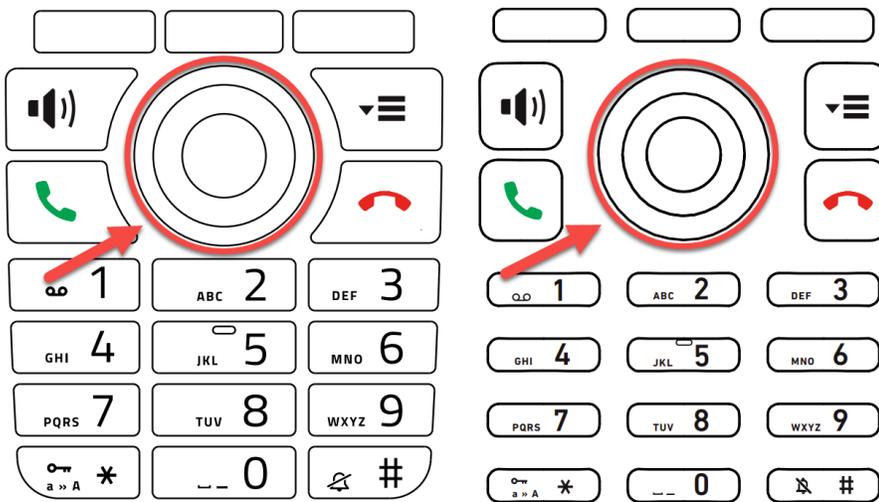
5. After selecting the base station, the handset will display the signal attenuation into the **RSSI** field.



a. Now you can **press the offhook key** to get an audio loopback to the base.



b. Pressing the **center key in offhook mode**, the handset will generate a continuous tone.



At this point you can walk around the base and measure the coverage quality.



6. Place the next base station where the signal reduction reaches the value of **75dBm**.

! **Important:** values bigger than **75dBm** (80, 85,...) will lead to call quality issues and DECT synchronisation problems.
From 90dBm upwards, signal interruptions must be expected spontaneously at the latest.

7. Areas with extended call capacity needed will require more base station.

i It is important to perform the measurement with the base station placed into the definitive position: moving a base after the measurement will invalidate the results.

! Further Information

- [VoIP Essentials](#)
- [Visit the Snom Forum](#)
- [Open a support ticket](#)
- [Find a local partner](#)

Related articles

- [DECT - 1. Multicell Deployment Guide](#)
- [DECT - 2. Physical installation](#)
- [DECT - 3.0 Multicell setup](#)
- [DECT - 3.1 Add Extensions](#)
- [DECT - 4. Site Survey](#)
- [DECT - 5. Measuring with DECT Discovery Mode](#)
- [DECT - 6. Best Practises](#)
- [DECT - M700, M900 - Activate Multicell Mode](#)
- [DECT Multi Cell Installation How-to](#)
- [How to update M-Series - DECT handsets](#)
- [How to update M300,M700,M900 DECT Base Station manually](#)
- [M700](#)
- [M900](#)
- [M900 - Outdoor](#)
- [Setting up a M700,M900 Multicell with 3CX](#)
- [Snom DECT Radio Measuring Kit](#)
- [Switching to Peer-to-Peer Multi-cell Configuration](#)

- What does the error -Multi cell system version conflict , Provider conflict , Primary conflict IP- mean?