

**Alcatel-Lucent 4080 IP-DECT
Site Survey Kit
Deployment Manual**

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1 Introduction

This document describes the steps to be followed for a successful initial installation of the Site Survey Kit (SSK).

Install the special SSK variant of the DAP Controller (DECT Access Point Controller):

- DAPController-5_20_09x-ALU_SSK.zip
- Use 4910bfxx.dwl as DAP firmware package (Release equal to or after 4910bf08.dwl)

It automatically installs TFTP and DHCP.

The TFTP Server is required to download the software package on the DAP; the DHCP Server is required to distribute the correct IP address. Use 192.168.1.1 as IP-address for the PC.

The following configuration is used for the Site Survey Kit (figure 1):

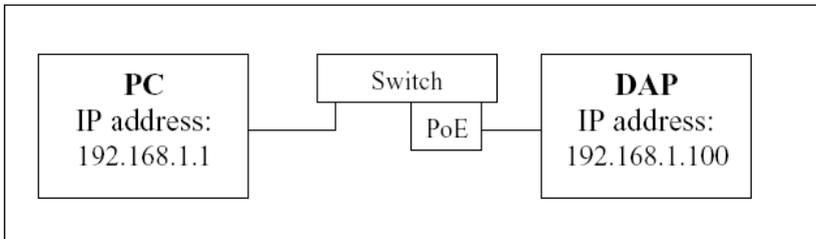


Figure 1

2 Regions

For each region a separate Site Survey setting must be defined, by selecting the correct frequency (and implicitly the power level and number of carriers). This region must also match the region that has to be selected in the handset when subscribing it.

The following table shows gives an overview:

Frequency name in DAPconf	REGION abbreviation	Region in handset	Led color of the DAP
International	INT	Region 1	Green
NorthAmerica	NA	Region 2	Red
Brazil	BR	Region 3	Blue
Taiwan, Province of China	TW	Region 1	Green
Thailand	TH	Region 4	Magenta
Latam, excl. Brazil/Uruguay	LA	Region 3	Blue
Egypt	EG	Region 1	Green
Uruguay	UR	Region 3	Blue

3 First time installation

- Install the Dap Controller software on the PC
- Start the DAP configurator
- For each <REGION> as specified in chapter 3 (substitute <REGION> by the corresponding abbreviation)
 - Press “New System” button (you will enter the “General Settings” screen)
 - Use as system name <REGION>-4080-SSK
 - Specify the DAP package
 - Select appropriate frequency for this region (see table in chapter 3)
 - Select the DAP type “Standard DAP”
 - Press Apply
 - Go to “DECT Settings” screen and select appropriate country code
 - Press Apply
 - Press Save System
 - Press “New System” button (you will enter the “General Settings” screen)
 - Use as system name <REGION>-4080E-SSK
 - Specify the DAP package
 - Select appropriate frequency for this region (see table in chapter 3)
 - Select the DAP type “DAP with external antenna”
 - Press Apply
 - Go to “DECT Settings” screen and select appropriate country code
 - Press Apply
 - Press Save System

4 Creating a SSK for a <REGION>

- Connect the PC to the network
- Start the DAP configurator
- Select system <REGION>-4080-SSK
 - Press activate system status and start all enabled services and programs
 - Connect a clean/empty 4080 IP-DECT
 - If the led becomes steady, Goto webpage of DAP at 192.168.1.100, select “Dnr administration” to view the enabled registrations
 - Subscribe all handsets (PARK=31100170142241), using the correct region, use as system name “4080 SSK”
 - Press ‘0’ followed by dial key (green key) and check that a constant tone is present
 - Check at “Dnr administration” page of DAP that all handsets are registered
 - Stop all services in DAP Configurator
 - Disconnect the 4080 IP-DECT
- Press Modify system
- Select system <REGION>-4080E-SSK
 - Press activate system status and start all enabled services and programs
 - Connect a clean/empty 4080 IP-DECT External antennas
 - If it is steady green, Goto webpage of DAP at 192.168.1.100, select “Dnr administration” to view the enabled registrations
 - Subscribe all handsets (PARK=31100170232304), using the correct region , use as system name “4080E SSK”
 - Press ‘0’ followed by dial key (green key) and check that a constant tone is present
 - Set handset to auto-select network
 - Check at “Dnr administration” page of DAP that all handsets are registered
 - Stop all services
 - Disconnect the IP-DECT External antennas
- Use the 4080 IP-DECT in the real SSK setup to check that handsets are properly registered.

5 Upgrade scenarios

5.1 How to delete a subscription on the DAP

When necessary a subscription can be deleted on the DAP:

- Be sure systems are deactivated (do not start TFTP or DHCP server)
- Connect DAP
- Power on handset (if possible)
- Start web SSK and select “DNR administration”
- Press “remove” link
- If handset is not present or not functioning then refresh current page and press “terminate” link
- Wait 10 seconds and reboot the DAP
- The dnr is free now and can be subscribed again

5.2 How to upgrade the SW of a SSK DAP

- Start the DAP configurator
- Select the <REGION>-4080-SSK or <REGION>-4080E-SSK system
- In General Settings screen, check that the correct DAP firmware package has been specified (otherwise select the correct package)
- Activate the system
- Connect the DAP
- Wait until the DAP becomes steady operational
- Go to the webpage of the DAP to check the downloaded package