

Ascom IP-DECT Base Station (IPBS2)

Microsoft® Lync™ Server 2010

SIP Phone Support (SPS)

# Configuration Note

## Connecting Ascom IP-DECT Base Station (IPBS2) to Microsoft Lync Server 2010 via SPS



January 2013

Document # LTRT-12210





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**Reader's Notes**

## Notice

This document provides the guidelines for setting up Ascom IP-DECT Base Station (IPBS2) with AudioCodes' SIP Phone Server (SPS) in order to connect to Microsoft Lync 2010.

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## Related Documentation

Manual Name
SPS Web Admin User Guide
Installation and Operation Manual IP-DECT Base Station and IP-DECT Gateway (software version 5.1.x)



# 1 Introduction

This document describes the configuration guidelines required to setup the Ascom IP-DECT Base Station (IPBS2) with Microsoft Lync 2010 via AudioCodes' SIP Phone Server (SPS).

The objective of this configuration note is to assist with the required integration of the Ascom IPBS2 with the AudioCodes SPS. For a comprehensive setup of the Ascom IPBS2, refer to the Ascom IPBS2 manual.

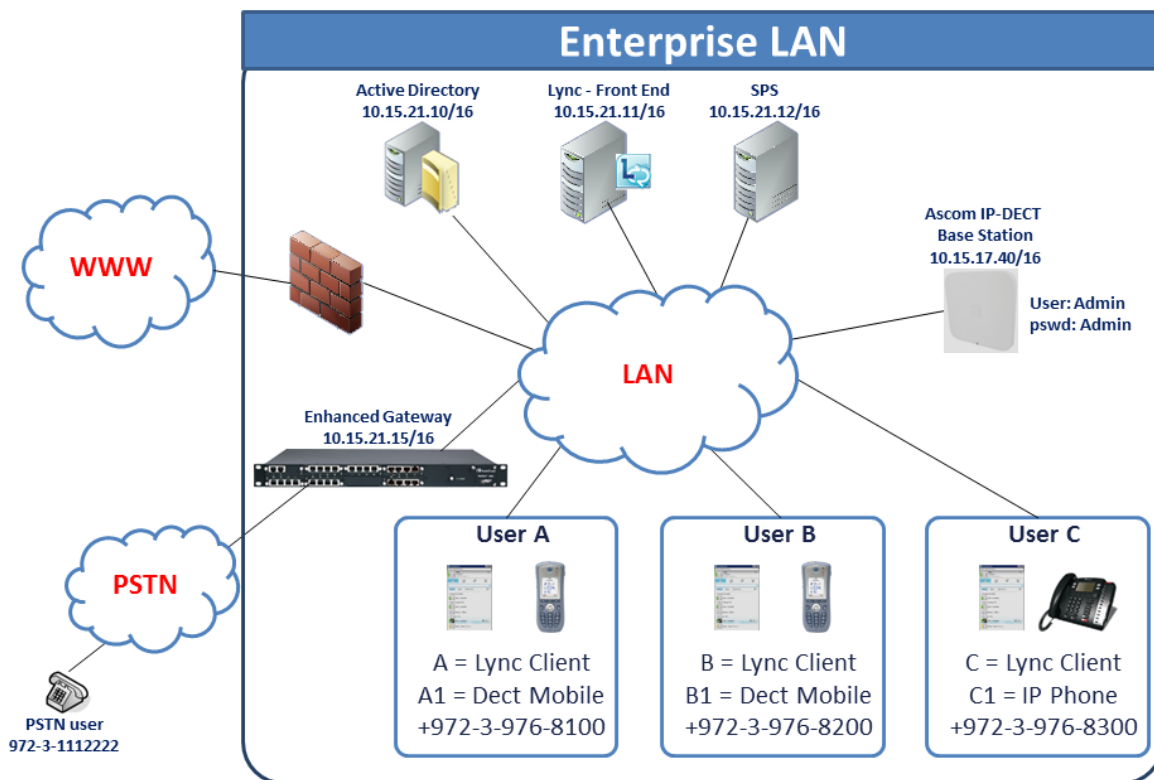
This document does not include any Microsoft Lync 2010 configuration. The Ascom IPBS2 user on the SPS does not require any special configuration on the SPS. For more information on the SPS configuration, refer to the *SPS Web Admin User Guide*.

It is assumed that users are already defined in the Microsoft Lync 2010 environment and AudioCodes SPS Server.

This document is intended for IP-DECT Installation Engineers or Microsoft Lync Partners who are installing Ascom IP-DECT Base Station in front of AudioCodes SPS.

The standard architecture is illustrated in the figure below:

**Figure 1-1: Topology and Conventions**



**Reader's Notes**

## 2 Components Information

### 2.1 Ascom Components

Table 2-1: Ascom Components

<b>Vendor</b>	Ascom
<b>Models</b>	<ul style="list-style-type: none"><li>Ascom IP-DECT Base Station (IPBS2)</li><li>Ascom d62 DECT Handsets (Talker)</li></ul>
<b>Software Version</b>	<ul style="list-style-type: none"><li>Ascom IP-DECT Base Station (IPBS2) - firmware version 5.1.8</li></ul>

### 2.2 AudioCodes Components

Table 2-2: AudioCodes Components

<b>Vendor</b>	AudioCodes
<b>Models</b>	<ul style="list-style-type: none"><li>Windows 2008 Server with AudioCodes SPS</li><li>AudioCodes M1000B gateway</li></ul>
<b>Software Version</b>	<ul style="list-style-type: none"><li>Windows 2008 Server with AudioCodes SPS - firmware version 2.43.1</li><li>AudioCodes M1000B gateway - firmware version 6.60A.010.006</li></ul>
<b>Additional Notes</b>	<ul style="list-style-type: none"><li>Windows 2008 Server with AudioCodes SPS was used for testing.</li><li>AudioCodes M1000B gateway was used to connect PSTN users.</li></ul>

**Reader's Notes**

## 3 Ascom IPBS2 Setup Notes

This section provides guidelines for configuring the Ascom IP-DECT Base Station. These guidelines are based on the setup example illustrated in [Figure 1-1: Topology](#).

All configurations were performed according to the document *Installation and Operation Manual IP-DECT Base Station and IP-DECT Gateway (software version 5.1.x)*.

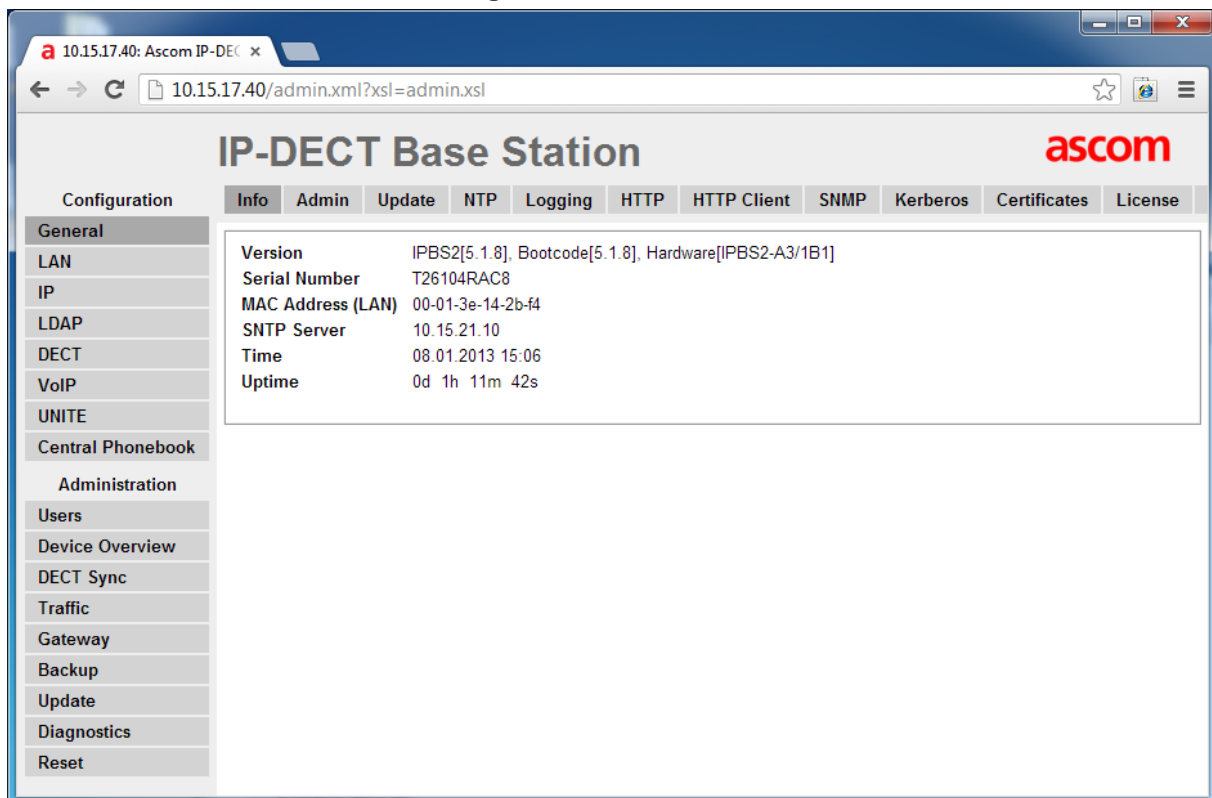
### 3.1 Configuring IP-DECT Base Station IP Addresses

This section describes how to configure the IP address of the IP-DECT Base Station.

➤ **To configure IP addresses:**

1. Change the IP-DECT IP address according to your network topology.  
Refer to Section 8.2.2 of the *Installation and Operation Manual IP-DECT Base Station and IP-DECT Gateway (software version 5.1.x)* document.
2. After you have changed the IP address, verify in the Info screen (**Configuration > General > Info**) that the configuration was successful (as shown in the screen below).

**Figure 3-1: General Info**



### 3.2 Configuring DECT System

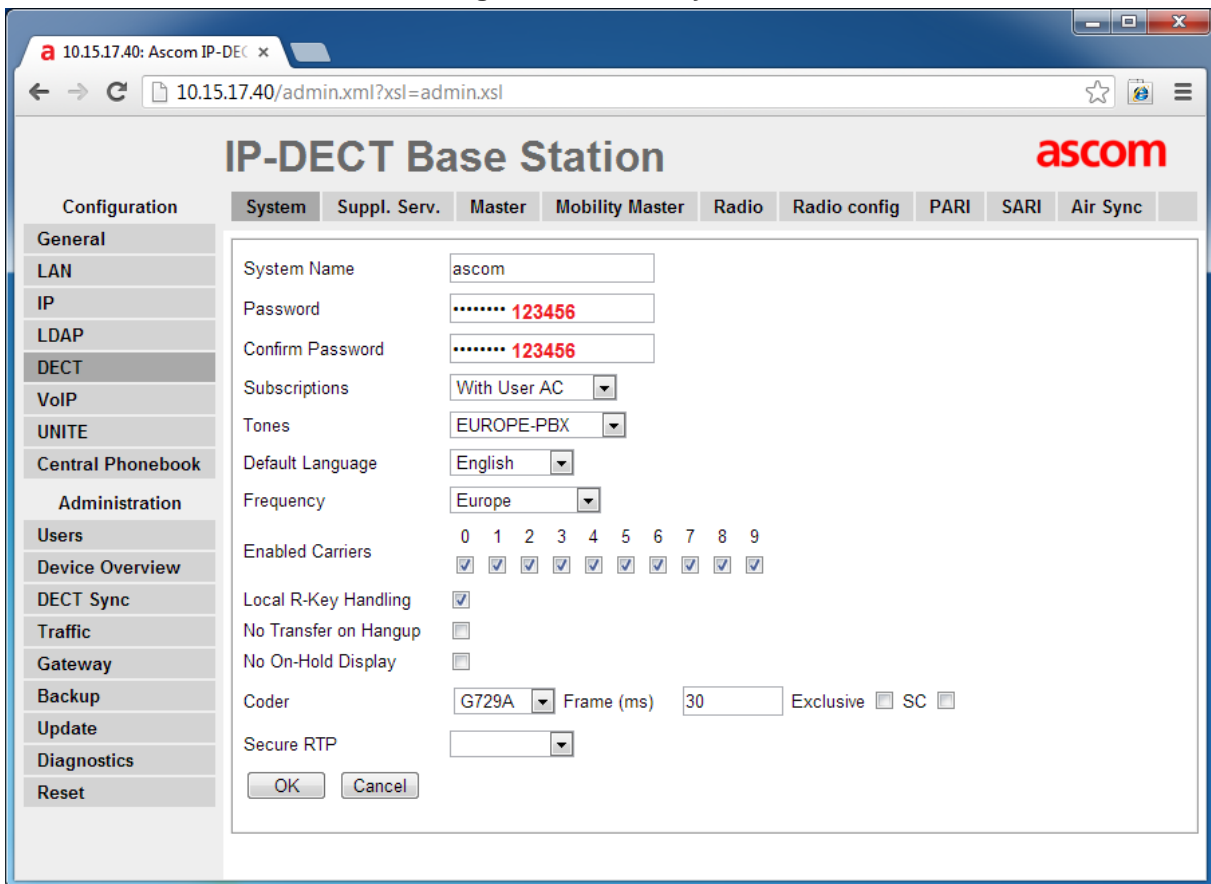
This section describes how to configure the DECT System.

➤ **To configure the DECT system:**

- Open the DECT System screen (**Configuration > DECT > System**) and configure the DECT system as described in Sections 8.5.1 – 8.5.11 of the *Installation and Operation Manual IP-DECT Base Station and IP-DECT Gateway (software version 5.1.x)* document.

The screen below shows the Ascom IPBS2 configuration of the DECT System. Note that the password ("123456" in example below) is used for the handset's subscription.

**Figure 3-2: DECT System**



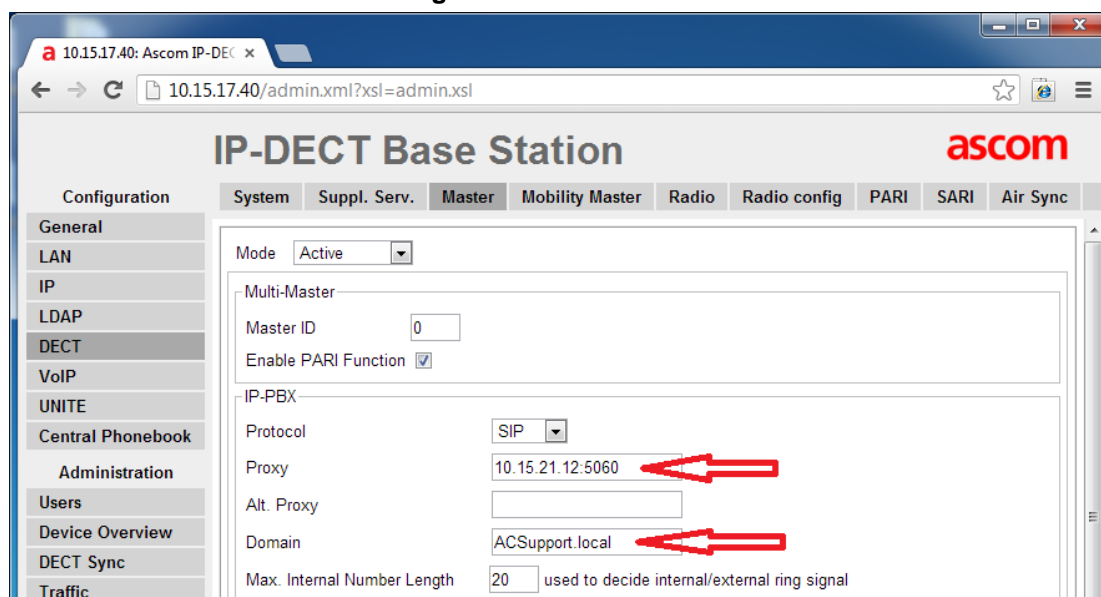
### 3.3 Configuring DECT Master

This section describes how to configure the DECT Master.

➤ **To configure DECT Master:**

1. Open the DECT Master screen (**Configuration > DECT > Master**).
2. Configure the 'Proxy' parameter with the IP address of the SPS.
3. Optionally configure the 'Domain' parameter with the Microsoft Lync Domain Name.

**Figure 3-3: DECT Master**



For detailed configuration of the DECT Master, refer to Sections 8.5.13 and 8.5.14 of the *Installation and Operation Manual IP-DECT Base Station and IP-DECT Gateway (software version 5.1.x)* document.

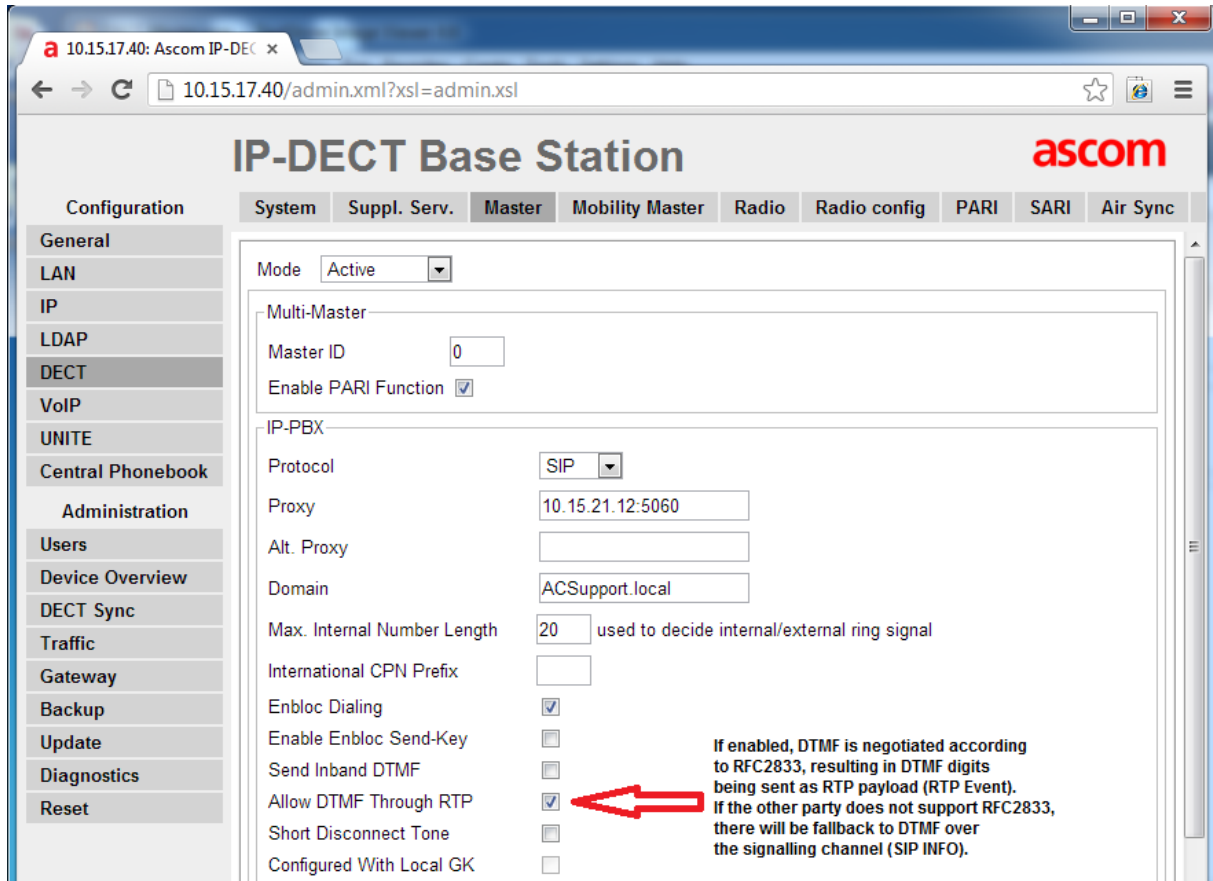


### 3.4 Configuring DTMF Settings

This section describes how to configure different DTMF settings.

- **To configure DTMF:**
  1. Open the DECT Master screen (**Configuration > DECT > Master**).
  2. Configure the appropriated DTMF settings.

**Figure 3-4: DTMF Settings**



For detailed configuration of the DTMF Settings, refer to Sections 8.5.16 (paragraph 10) of the *Installation and Operation Manual IP-DECT Base Station and IP-DECT Gateway (software version 5.1.x)* document.

## 3.5 Configuring DECT SARI

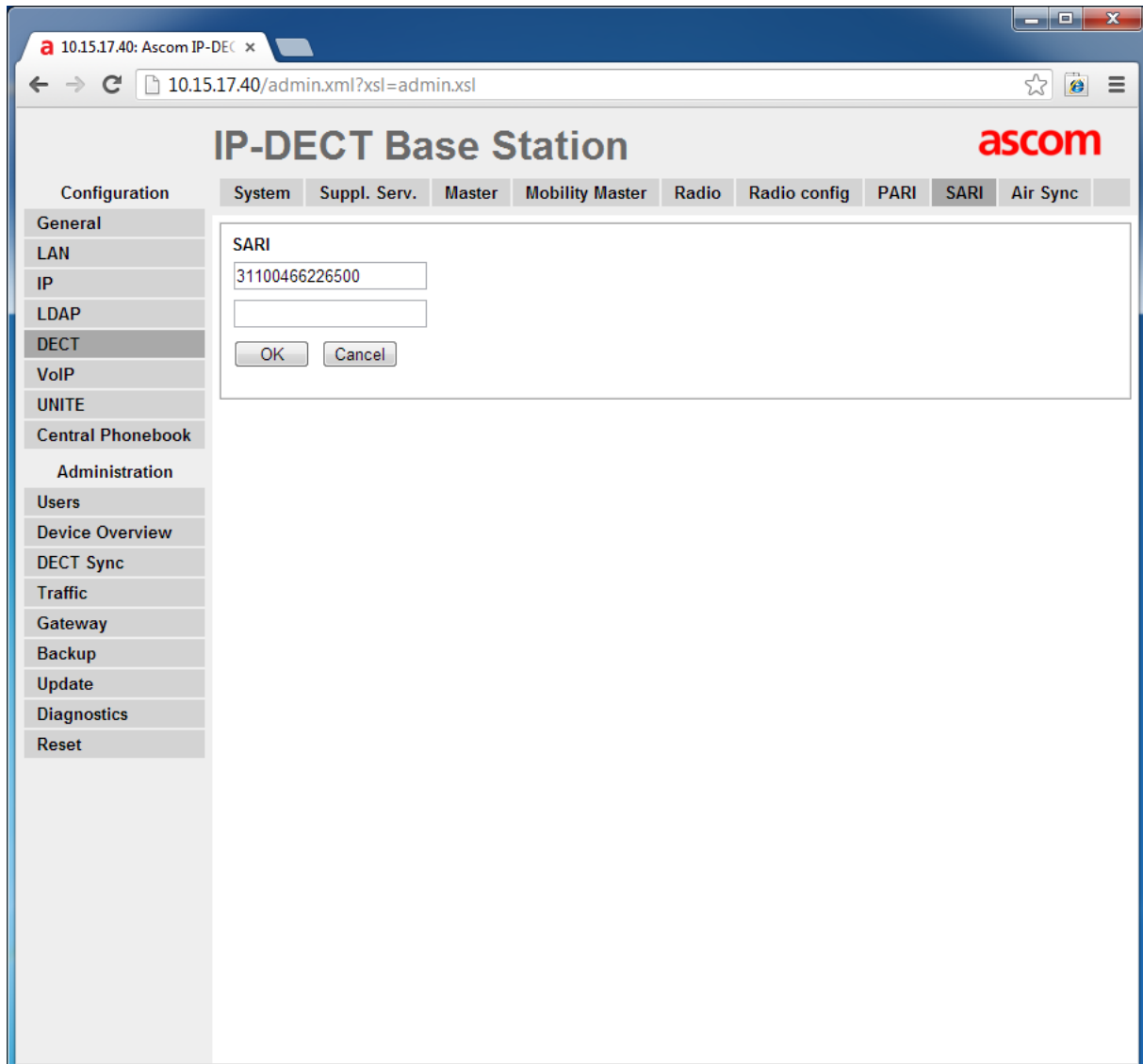
This section describes how to configure the DECT SARI.

➤ **To configure DECT SARI:**

1. Open the SARI screen (**Configuration > DECT > SARI**) and enter the appropriate SARI value.

For more information, refer to Section 8.5.26 of *Installation and Operation Manual IP-DECT Base Station and IP-DECT Gateway (software version 5.1.x)* document.

**Figure 3-5: DECT SARI**



## 3.6 Configuring DECT Users

The DECT users should be pre-defined in the Microsoft Lync 2010 environment as well as in the SPS. The 'Name' and 'Auth.Name' parameters should be configured identically to the Microsoft Lync 2010 definition.

The procedure in this section describes the 'Add User' step in the Ascom IPBS2. The complete procedure is described in Section 7.13 of *Installation and Operation Manual IP-DECT Base Station and IP-DECT Gateway (software version 5.1.x)* document.

➤ **To configure users:**

1. Open the Users page (**Administration > Users**).
2. Click the **new** button; the following screen is displayed:

**Figure 3-6: Add User**

10.15.17.40/GW-DECT/mod\_cmd\_login.xml?cmd=show&user-guid=22e1e

User type

User

User Administrator

Long Name: ascom 8100

Display Name: SPS-DECT1

Name: SPS-DECT1

Number:

Auth. Name: SPS-DECT1 (SIP only)

Password: .....!12345678!

Confirm Password: .....

IPEI / IPDI: 085870303690

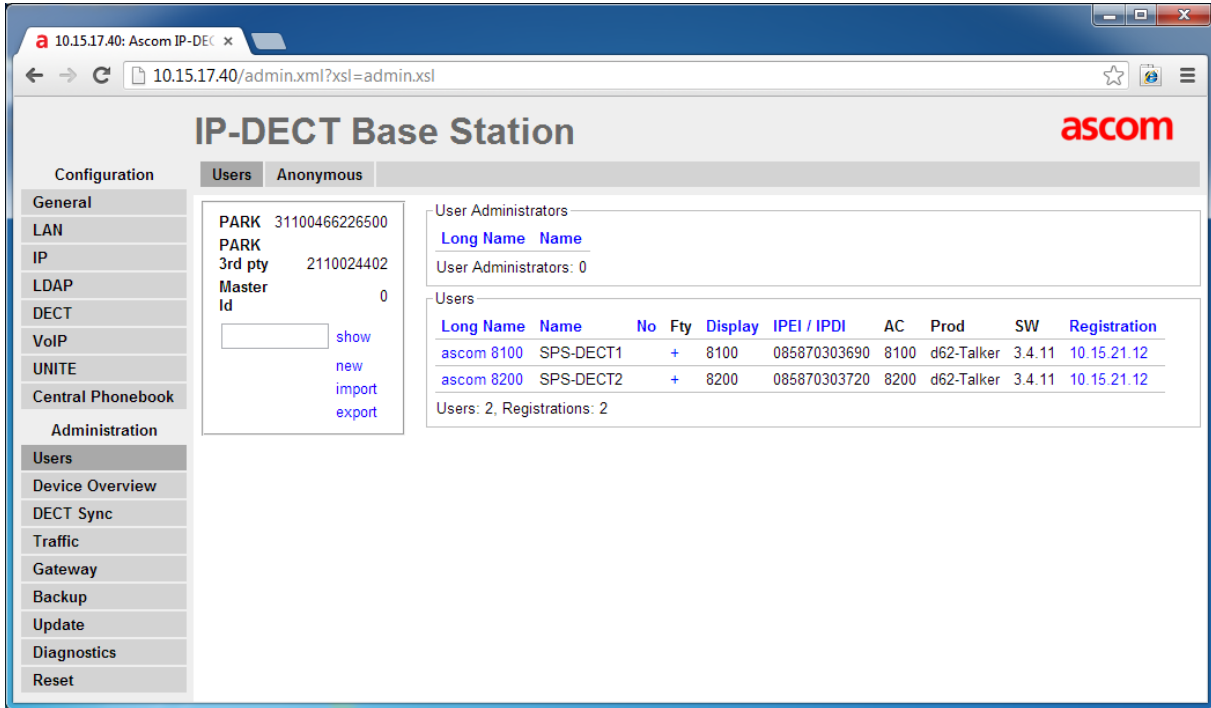
Idle Display: 8100

Auth. Code: 8100

Feature Status:

OK Apply Delete Unsubs. Cancel

3. In the password field of the user, enter the user password as defined for this user in the SPS ("12345678" in the example above).
4. Define as many users as required using the respective passwords defined in the SPS.
5. After you have defined all users, go to **Administration > Users** and click the **show** button to view all defined users and their respective statuses.

**Figure 3-7: Users List**


The screenshot shows the 'IP-DECT Base Station' administration interface. The browser address bar indicates the URL is `10.15.17.40/admin.xml?xsl=admin.xsl`. The interface is divided into a left sidebar with navigation options and a main content area.

**Configuration**

- Users (selected)
- Anonymous

**General**

- LAN
- IP
- LDAP
- DECT
- VoIP
- UNITE
- Central Phonebook

**Administration**

- Users (selected)
- Device Overview
- DECT Sync
- Traffic
- Gateway
- Backup
- Update
- Diagnostics
- Reset

**Users List**

Long Name	Name	No	Fty	Display	IPE1 / IPDI	AC	Prod	SW	Registration
ascum 8100	SPS-DECT1	+	8100	085870303690	8100	d62-Talker	3.4.11	10.15.21.12	
ascum 8200	SPS-DECT2	+	8200	085870303720	8200	d62-Talker	3.4.11	10.15.21.12	

Users: 2, Registrations: 2

## 3.7 Configuring Call Waiting Feature for DECT Users

This section describes how to activate and use the Call Waiting Feature on the Ascom IPBS2 handset.

➤ **To activate the Call Waiting feature for the DECT user:**

1. Open the Users page (**Administration > Users**).
2. Click the **show** button to display a list of all users.
3. Select the **+** button for a specific user and select the **Call Waiting** feature.
4. Open the 'Suppl.Serv' page (**DECT > Suppl.Serv**) and note the key sequence for activating the Call Waiting feature.

➤ **To answer the second incoming call:**

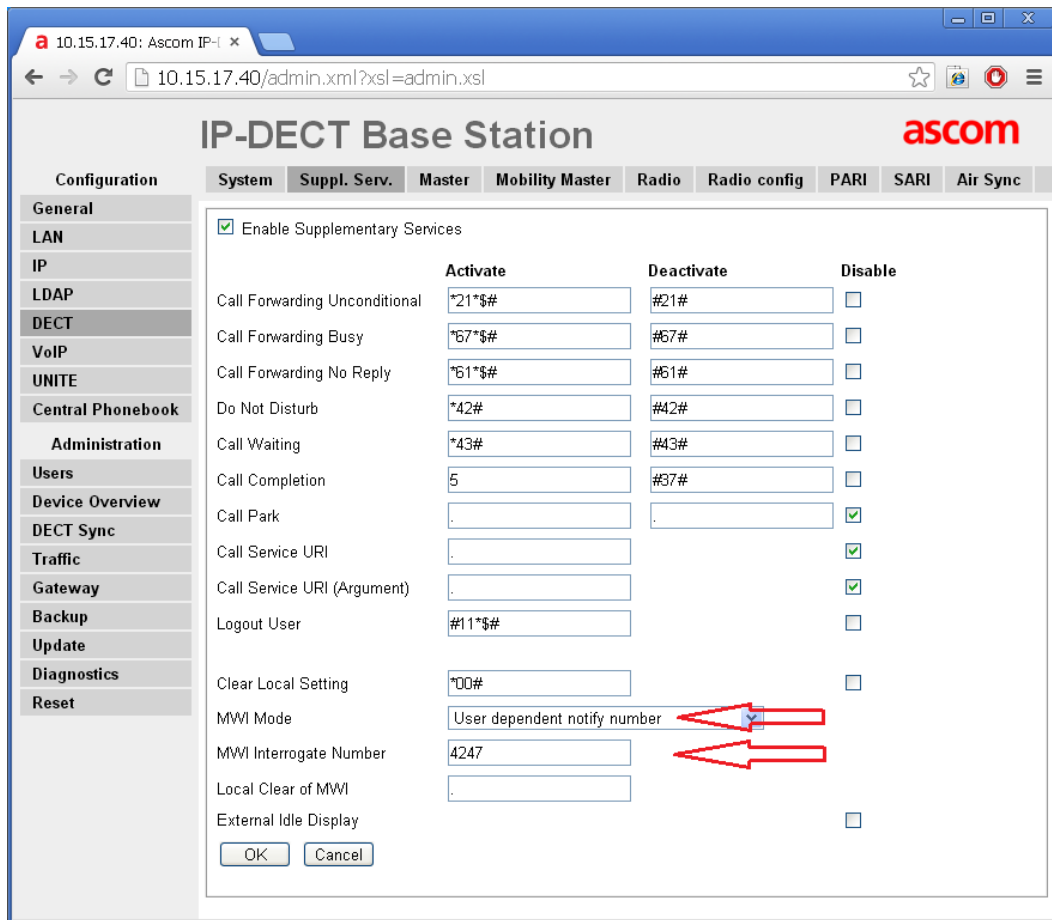
- On the DECT handset, press the **R** button and then the **2** button.  
This key combination (**R+2**) is used for switching between calls.

### 3.8 Configuring Message Waiting Indication (MWI)

This section describes how to configure the Message Waiting Indication (MWI) Feature in the Ascom IPBS2.

- **To activate the Message Waiting Indication feature for the DECT user:**
  1. Open the 'Suppl.Serv' page (**DECT > Suppl.Serv**)
  2. For '**MWI Mode**' parameter drop-box, choose '**User dependent notify number**'
  3. In '**MWI Interrogate Number**' parameter, configure the subscriber number, as defined extension of specific user in the Lync

**Figure 3-8: MWI**



For detailed configuration of the MWI, refer to Sections 8.5.12 of the *Installation and Operation Manual IP-DECT Base Station and IP-DECT Gateway (software version 5.1.x)* document.

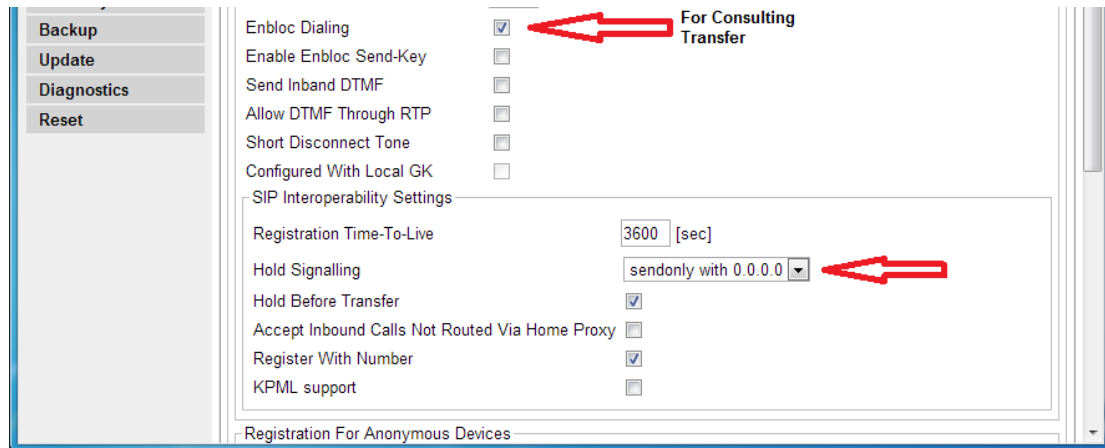
## 3.9 Activating Call Transfer

This section describes how to activate and use the Consulting and Blind Transfer in Ascum IPBS2.

➤ **To activate the Consulting and Blind Transfer Features:**

1. Open the DECT Master page (**Administration > DECT > Master**).
2. Select the **Enbloc Dialing** option.
3. Set the 'Hold Signaling' parameter to "sendonly with 0.0.0.0".

**Figure 3-9: Consulting and Blind Transfer**



➤ **To perform Consulting Transfer:**

1. Setup the first call between DECT users.
2. On the DECT handset, press the **R** button; a dial tone is received and the first call is placed on hold.
3. Type the destination of the second call and wait.  
After five seconds the call is established.
4. After the second call is established, press the **R** button, and then the **4** button to transfer the call on hold to an ongoing call.

➤ **To perform Blind Transfer:**

1. Setup the first call between DECT users.
2. For one of the users, press the **R** button twice (RR).
3. Dial the new destination, specifying # at the end.  
The call is transferred to the dialed number.



## Configuration Note