



Configuring Corporate Phonebook in the KIRK® Wireless Server 6000

Application Note

Configuring Corporate Phonebook in the KIRK® Wireless Server 6000

This Application Note provides you with information on how to set up the corporate phonebook in the KWS6000 (KIRK® Wireless Server 6000) and connected handsets. It also provides information on how to use the corporate phonebook with the handsets.

This Application Note applies to KWS6000 firmware version PCS05C_ released July 2010.

The Application Note includes information about:

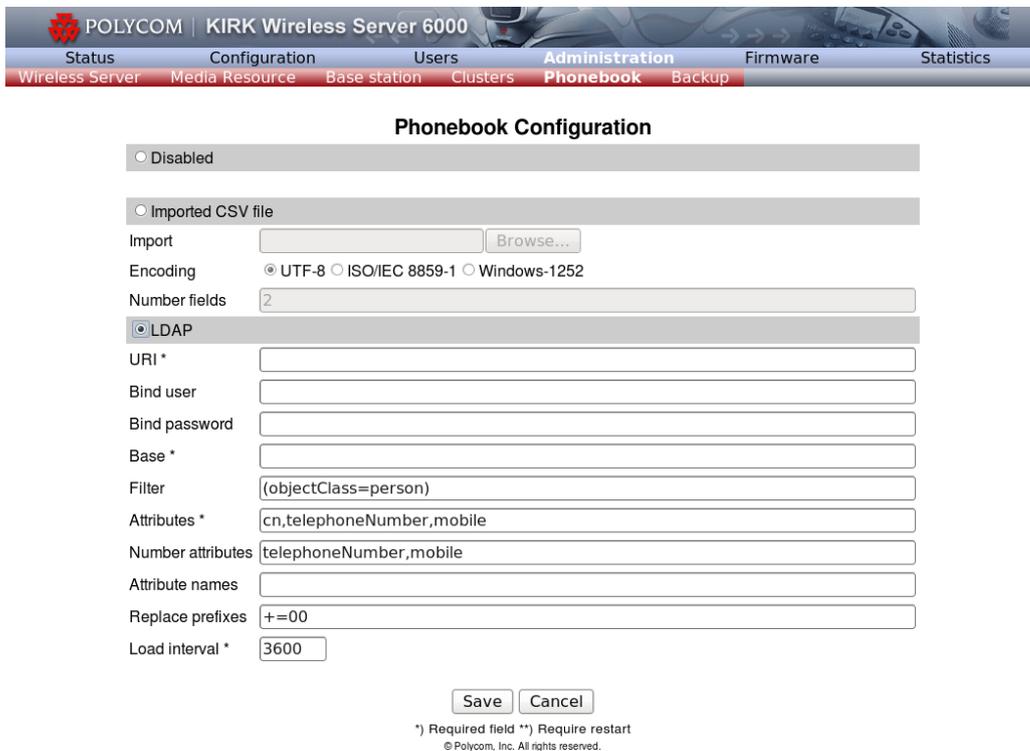
- Retrieving phonebook data via LDAP
- LDAP test example
- Importing phonebook data from a CSV file
- Setting up the corporate phonebook in the handsets
- Using the corporate phonebook with the handsets

Retrieving Phonebook Data via LDAP

Configuration of the LDAP based phonebook in the KWS6000 is carried out via the Administration page.

1. Browse to your KWS6000 web interface. From the menu click **Administration** and then **Phonebook**.

Fig. 1 Administration page WS: Phonebook Configuration.



The screenshot shows the 'Phonebook Configuration' page in the Polycom KIRK Wireless Server 6000 web interface. The page has a navigation bar with tabs for Status, Configuration, Users, Administration (selected), Firmware, and Statistics. Under Administration, there are sub-tabs for Wireless Server, Media Resource, Base station, Clusters, Phonebook (selected), and Backup.

The 'Phonebook Configuration' section is titled and contains the following options and fields:

- Disabled
- Imported CSV file
 - Import:
 - Encoding: UTF-8 ISO/IEC 8859-1 Windows-1252
 - Number fields:
- LDAP
 - URI *:
 - Bind user:
 - Bind password:
 - Base *:
 - Filter:
 - Attributes *:
 - Number attributes:
 - Attribute names:
 - Replace prefixes:
 - Load interval *:

At the bottom of the form are 'Save' and 'Cancel' buttons. Below the buttons, there is a legend:

*) Required field **) Require restart

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2. Tick the **LDAP** radio box.

3. In the **URI** field, type the URI of the LDAP server, e.g. ldap://example.com
4. In the **Bind user** field, type the username used for authentication against LDAP.
Note: it might be necessary to specify the path for username (DOMAIN\username), e.g. CN=Manager,DC=example,DC=com.
5. In the **Bind password** field, type the Bind user's password.
6. In the **Base** field, type the base path where the users are located in the LDAP structure, e.g. DC=example,DC=com.
7. In the **Filter** field, type the filter used for the LDAP query.
The (objectClass=person) filter can be used successfully in most cases.
8. In the **Attributes** field, type the LDAP attributes you want to query the LDAP for, separated by a comma, e.g. displayName,telephoneNumber,mobile.
9. In the **Number attributes** field type LDAP attributes that will be used to dial. For example telephoneNumber,mobile
10. In the **Attribute names** field, type the attribute names you want to assign to the attributes specified above, separated by a comma, e.g. Name,Phone,Mobile.
11. In the **Replace prefixes** field, type the phone number prefixes to replace or strip, separated by a comma. Example: if the phone number is +45678912345, and the user has the extension 12345, then you specify "+456789" in the **Replace prefixes** field. Or if the phone number is "+456789123456" and "06789123456" must be dialled, then specify "+45=0".
12. In the **Load interval** field, type the interval in seconds for querying the LDAP server for updates.
13. Click **Save** to save your configuration data.
14. No restart is needed and the changes are accepted immediately.

LDAP Test Example

The example below describes how to set up a local ADAM (Active Directory Application Mode) LDAP in order for a KWS6000 to connect and retrieve LDAP data from it.

Start by clicking the link below to follow the guide to download ADAM and create a new directory instance. Start from **Prerequisites**:

http://www.codeproject.com/KB/aspnet/ADAM_and_LDAP_ClientNet.aspx

Once you have created the Superuser or the ServiceAccount, you can set up the KWS6000 to connect to this LDAP instance.

1. Browse to your KWS6000 web interface. From the menu, click **Administration** and then **Phonebook**.
2. Tick the **LDAP** radio button and enter the IP address in the **URI** field of your PC where you have ADAM installed and running.

For the above example, use the following details.

Bind user: CN=superuser,CN=People,CN=Sandbox,DC=ITOrg

Bind password: As described in the ADAM Installation Guide, you reset the

Superuser password to a password of your choice

Base: CN=Sandbox,DC=ITOrg

Filter: (objectclass=person)

Attributes: sn,telephoneNumber

Number attributes: telephoneNumber

Attribute names: Name, Phone

Replace prefixes: National prefixes and or local prefixes can be stripped (e.g. +4576,76,+45)

Limitations:

- 40.000 entries maximum
- 5 attributes maximum

Importing Phonebook Data from CSV File

If you do not have access to a LDAP server, the data for the phonebook can be imported from a CSV file. The format is like this:

```
"Label1", "Label2", "Label3", "Label4", "Label5"  
"Field1", "Field2", "Field3", "Field4", "Field5"  
"Field1", "Field2", "Field3", "Field4", "Field5"
```

The labels are column names displayed in the handset and fields are the actual data for the records. See the example below:

```
"Name", "Phone", "Mobile", "Department", "Title"  
"Peter Petersen", 1000, 20123456, "Sales", "Manager"  
"Niels Nielsen", 1001, 20123457, "R&D", "Developer"
```

Importing the CSV file phonebook to the KWS6000 is carried out via the **Administration** page.

1. Browse to your KWS6000 web interface. From the menu, click **Administration** and then **Phonebook**.
2. Tick Import CSV file radio box.
3. Browse for the CSV file to import.
4. Select the correct **Encoding** for the CSV file. The encoding depends on the software that was used to generate the CSV file. If you use Microsoft Windows, you will probably select Windows-1252.
5. In the **Number** fields, enter the indexes of the columns containing dialable numbers. The first column is 1, e.g. 2,3 in the example above.
6. Click **Save** to import the CSV file.
7. No restart is needed and the changes are accepted immediately.

Setting up the Corporate Phonebook in the Handsets

Before you can utilize the search via the KWS6000 phonebook, you may want to activate the long key press function to support the MSF function.

KIRK® 40-Handset Series

To access the corporate phonebook via a Polycom® KIRK® 40-Handset Series please enable the long key MSF function:

- Press the Menu button.
- Press ✓ (Mute) to select Set Up.
- Scroll to **Advanced** via the ◀▶ buttons and press ✓ (Mute).
- Scroll to **Long Key** via the ◀▶ buttons and press ✓ (Mute).
- Press ✓ (Mute) to select **Send MSF**.

KIRK® 50-, 60-, and 70-Handset Series

To access the corporate phonebook via a handset from the Polycom® KIRK® 50-, 60-, and 70- Handset Series, please enable the long key MSF Function:

- Press the Menu button.
- Select **Settings**.
- Select **Advanced**.
- Select **Long Key**.
- Select **MSF**.

Using the corporate Phonebook with the Handsets

Once the long key press function is active, you can use the corporate phonebook in one of the following ways:

KIRK® 40-, 50-, 60-, 70-Handset Series

- Long press 0 and toggle between the search attributes that have been added in the corporate phonebook settings.
- To search, use the keypad buttons from 0 to 9 to enter text. Press each key once per character.
- To delete a character, press #.
- To navigate, use the ◀▶ buttons and press ✓ (Mute) to select your choice.
- To skip the initial menu and go directly to a search, long press 1 to 5.
- To dial a number, press the hook key.