



Localization in SPA9X2 phones

Alberto Montilla; Technical Marketing Engineer – Voice

Summary: This document guides the administrator to localize SPA9X2 (i.e. SPA922, SPA942, SPA962) IP phone display language.

1. SPA9X2 internationalization support

SPA9X2 supports setting of an alternative language on the user display. The language support follows Cisco dictionary principle, when administrator (service provider) defines the languages available (up to 9) and hosts the dictionaries for each of the languages (plus english) in a provisioning server (tftp, http).

Following parameters can be defined in the configuration file of SPA942:

- Dictionary server script: This parameter is used to define the location of the dictionary server, the languages available and its associated dictionary. It follows structure defined below:

```
<Dictionary_Server_Script          ua="na">
  </Dictionary_Server_Script>
```

Default is blank

Max. size: 512 characters

Format:

```
serv={server ip port and root path};
d0=<language0>;x0=<dictionary0 filename>;
d1=<language1>;x1=<dictionary1 filename>;
d2=<language2>;x2=<dictionary2 filename>;
d3=<language3>;x3=<dictionary3 filename>;
d4=<language4>;x4=<dictionary4 filename>;
d5=<language5>;x5=<dictionary5 filename>;
d6=<language6>;x6=<dictionary6 filename>;
d7=<language3>;x7=<dictionary7 filename>;
d8=<language8>;x8=<dictionary8 filename>;
d9=<language5>;x9=<dictionary9 filename>;
```

Example value:

```
<Dictionary_Server_Script          ua="na">
serv=tftp://192.168.1.119/;d0=English;x0=enS_v101.xml;d1=Spanish;x1=esS
_v101.xml  </Dictionary_Server_Script>
```

- **Language Selection:** This parameter is used to select the default language. Its value needs to match with one of the languages indicated in the Dictionary Server Script (dx value).

```
<Language_Selection          ua="na">
</Language_Selection>
```

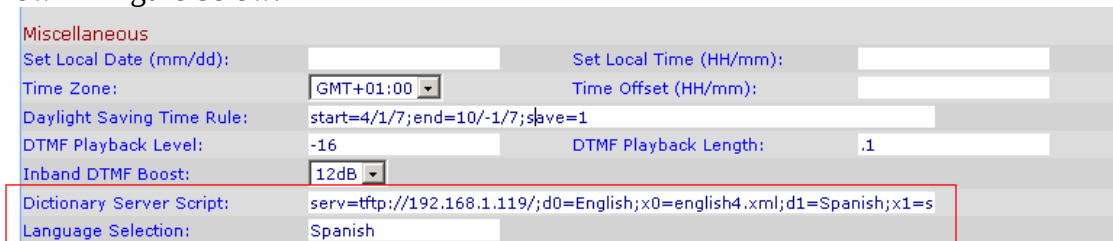
Default is blank

Max. size: 512 characters

Example value:

```
<Language_Selection          ua="na"> Spanish
</Language_Selection>
```

These parameters can be modified also from the WebUI, on the Regional settings tab, as shown in figure below.



Miscellaneous	
Set Local Date (mm/dd):	
Time Zone:	GMT+01:00
Daylight Saving Time Rule:	start=4/1/7;end=10/-1/7;save=1
DTMF Playback Level:	-16
Inband DTMF Boost:	12dB
Dictionary Server Script:	serv=tftp://192.168.1.119/d0=English;x0=english4.xml;d1=Spanish;x1=s
Language Selection:	Spanish

The phone, at startup, checks the selected/preferred language and downloads the dictionary from a tftp/http server, indicated in the configuration.

The dictionaries are available at <http://www.linksys-itsp.com> under FW and Tools section, LVS area. Currently dictionaries are available for the following languages: English, Spanish, German, Dutch, Italian, French, Portuguese, Danish and Swedish, Czech and Slovak.

The end user is able to change the language of the phone from the user menu, by following these steps:

Click Setup button -> select language (option18) -> select edit to change language -> click option to change among the different languages -> click OK -> click save