Sipura UK Regional Settings

As standard all Sipura units come configured for use with USA telecoms systems. In order to hear the correct tones for UK telecoms systems, it is necessary to change a few settings so your phone will sound like a normal BT phone rather than giving off American style tones & rings. This applies to Sipura ATAs (such as SPA1001, 3000 etc...) & the SPA841 IP Phone.

You will need to browse to the web interface of the Sipura & go into "admin" & "advanced" mode. Type:

"IP_Address_of_Sipura/admin/advanced"

into your web browser, replacing "IP_Address_of_Sipura" with the actual IP address assigned to your Sipura (consult the supplied Quickstart Guide to find this out).

Read http://www.sinet.bt.com for more details on the BT guidelines for setting these values. Look-up BT SIN 350 & SIN 351.

For most users who just have analog phones plugged into their SPA units (or using an 841) these default American settings are little more than an inconvenience & changing them will just make the phone sound more like a UK phone should.

However, if you have a PBX system connected to the Sipura ATA then these settings could cause some erratic behaviour if the PBX has been configured for a UK BT phone line.

Not all these settings apply to all Sipura units so if you can't find the setting name in your web interface then it's probably because it's not there, move onto the next setting.

Regional settings for all SPAs:

Dial tone: *350@-19,440@-22;10(*/0/1+2)*

Ring back: *400@-20,450@-20;*(.4/.2/1+2,.4/2/1+2)*

Busy tone: *400@-20;10(.375/.375/1)*

Reorder tone: *400@-20;10(*/0/1)*

SIT 1 tone: *950@-16,1400@-16,1800@-16;20(.330/0/1,.330/0/2,.330/0/3,0/1/0)*

MWI dial tone: *350@-19,440@-22;10(.75/.75/1+2)*

CWT1 cadence: *30(.1/2)*

CWT2 cadence: *30(.25/.25,.25/.25,.25/5)*

CWT frequency: *400@-10*

Ring 1 cadence: *60(.4/.2,.4/2)*

Ring 2 cadence (used for BT Call Sign): *60(1/2)*

Ring 3 cadence (used for BT Ring Back): *60(.25/.25,.25/.25,.25/1.75)*

Ring 4 cadence: *60(.4/.8)*

Ring 5 cadence: *60(2/4)*

Time Zone: *GMT*

FXS Port Impedance: *370+620||310nF*

Caller ID Method: *ETSI FSK With PR(UK)*

Daylight Saving Rule: start=3/-1/7/2:0:0;end=10/-1/7/2:0:0;save=1:0:0

PSTN line settings for SPA-3000:

PSTN Disconnect Detection

Detect CPC: *yes*
Detect Polarity Reversal: *no*
Detect PSTN Long Silence: *yes*
PSTN Long Silence Duration: *30*
Min CPC Duration: *0.09*
Detect Disconnect Tone: *yes*
Disconnect Tone: 400@-30,400@-30;2(*/0/1+2)

International Control

FXO Port Impedance: *370+620||310nF*
On-Hook Speed: *3ms (ETSI)* (seems right - UK is ETSI)
Current Limiting Enable: *yes* (seems right - UK should be approving to CTR21)
Ring Validation Time: *256ms*
Ring Indication Delay: *0*
Ring Timeout: *128ms*