K3Icpwizard - User's Manual

Sumário

Introduction

The **k3lcpwizard** is a program to perform semi-automatic configuration of the cadences used in FXO cards. This document aims to demonstrate the options offered by the program and inform the user of the data necessary for its correct use.

Parameters

The following parameters are accepted by the program:

- **--global**: Do not show splash screen, error, or completed.
- **--help**: Display program information, listing disposíveis also the parameters for the command line.
- **--version**: Displays the program version.

Configuration

Setting the detection of cadences is to the following steps, explained below.

Welcome screen

```
---------------------------Welcome!------------------------------
|                                                               |
| Bem vindo ao Assistente de Configuração de Cadências da Khomp! |
|                                                               |
| In the followoing screens, there will be made some questions about |
| the parameters needed for automatic configuration of the     |
| cadencesutilizadas nas placas FXO do sistema.                |
|                                                               |
| CAUTION: Have the informations about the connections between |
| theboards in the system and the PBX or PSTN (extension numbers |
| and/or the lines) in hand and certify that the KServer is DISABLED |
| before going on with this process!                           |
|                                                               |
+---------------------------------------------------------------+
|                            <Continue>                         |
---------------------------------------------------------------
```

Stating requirements of running the configurator.

Choosing the card

```
------------- Choose the board. ---------------
|                                               |
| Choose a board to use as a reference for      |
| cadence recognition:                          |
|                                               |
|  ------------------------------------------   |
| |               123  KFXO-80              |  |
|  ------------------------------------------   |
|                                               |
+-----------------------------------------------+
|   < Next >       < Return >     <   Exit  >   |
-----------------------------------------------
```

The choice of the board has the following options:

- Serial number;
- Model name of the analog board.

First step is to choose the card that will be used as reference to detect the cadences.

Choosing the channel

```
--------- Escolha o canal da placa. -----------
|                                              |
| Escolha o canal da placa '00' a utilizar como  |
| referência para detecção de cadências:       |
|                                              |
|  --------------------------------------------  |
| |                    00                    | |
| |                    01                    | |
| |                    02                    | |
| |                    03                    | |
| |                    04                    | |
| |                    05                    | |
| |                    06                    | |
| |                    07                    | |
|  --------------------------------------------  |
|                                              |
+----------------------------------------------+
|   < Next >        < Return >     <   Exit  >    |
 ----------------------------------------------
```

Here the channel that will be used to detect cadences is defined. The channel need to be connected to the proper line and working properly.

Entering the numbers

```
------------------- Numbers to dial. ----------------------
|                                                          |
| Please enter de reference numbers for cadence recognition:   |
|                                                          |
|  -----------------------------------------------------------  |
| |  Free branch (should stay free until recognition finishes): | |
| |  _____                               | |
| |                                                          | |
| |  This branch (used for busy tone recognition):           | |
| |  _____                               | |
| |                                                          | |
| |  Invalid branch (fast busy tone):                        | |
| |  _____                               | |
|  -----------------------------------------------------------  |
|                                                          |
+----------------------------------------------------------+
|        < Next >          < Return >        <   Exit  >      |
 ----------------------------------------------------------
```

Last step of data delivery, it takes three numbers to detect cadences.

- **Free branch**
  This number should remain free until the end of the test, it will be detected by the frequency that represents the row is free;
- **This branch**
  This number is used to detect the cadence of a busy signal and must be the own extension number used

for the test (in the "Choose a channel plate") , making a connection to themselves and ensuring the return of the sign of occupation;

- **Invalid branch**
  This number connects to an invalid number, thus detecting the fast busy tone that represents an invalid link.

Detection of cadences

```
---------------------- Detecting.... --------------------------
|                                                              |
| Cadence: 'Seizure (dial tone)':                              |
|                                                              |
|  Detecting...                                                |
|                                                              |
|   ----------------------------------------------------------  |
|   |||||||                       10%                        |  |
|   ----------------------------------------------------------  |
 --------------------------------------------------------------
```

Next, the wizard starts to detect the cadences using the numbers provided. If the detection completes successfully, you will get a final screen, and the program will save the cadences found in the machine.

However, if the figures provided are not fulfilling the requirements, the lines are not connected, or some other error is detected, you will get an error screen with information about the problem occurred, as follows:

```
------------------ Erro detecting cadences. ------------------
|                                                              |
|  Failed to execute the cadence recognition, please check the  |
|  connections between board and the PBX / central office and   |
|  the numbers used for the detection.                          |
|                                                              |
+--------------------------------------------------------------+
|                        <  Next  >                            |
 --------------------------------------------------------------
```

If this message is displayed, please verify the physical connections corresponding to the boards and to the channel used for setup, as well as the status of the given branches.

Congratulations screen

```
 ------------------------- Parabéns! ----------------------------
|                                                                |
| Parabéns: você acaba de configurar suas placas analógicas para o   |
| seu PABX e/ou central pública. Agora já é possível realizar        |
| ligações a partir de suas placas analógicas FXO!                   |
|                                                                |
|                                                                |
+----------------------------------------------------------------+
|                          <Prosseguir>                          |
 ----------------------------------------------------------------
```

Screen informing completion of the detection process.