



## **K3lwizard - User's Manual**

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# Introduction

The **k3lwizard** configurator is a simple and straightforward utility, allowing the user to activate E1 links with minor configuration procedures. This document aims to describe the options offered by the program.

## Parameters

The following parameters are accepted by the program:

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

# Screens

## Welcome screen

```
----- Welcome -----
|
| Welcome to the Khomp Configuration Wizard!
|
| In the following screens, select the E1 link signaling
| to be used and if needed, details about this
| signalling.
|
| WARNING: Have this information in hand before continuing
| the configuration process!
|
+-----+
|                                     <Continue>
|
-----
```

The initial screen configurator, showing a warning about the configuration information needed to E1 links.

It is important that the setup procedure is done only with knowledge of the physical environment, whereas information on the usage scenario of the links needed for the next step.

## User Scenario

```
----- Scenario -----
|
| In which scenario will the E1 link(s) be used?
| -----
| |      0   PSTN only
| |      1   Central Office(link0) and PBX (link 1)
| |      2   PBX only
| |      3   Other type of configuration
| -----
|
+-----+
|      <Continue>      < Return >      < Exit >
|
-----
```

Defines the settings that are applied on each link connected to the system, following the usual configuration parameters.

For example, for links connected to the central office, the wizard sets up the synchronization timing to be obtained from the link. Other parameters specific signaling also are configured according to the type of scenario chosen.

If the scenario of using the links is different from the three first options, you can choose a setting for link in the option "Other type of configuration ...".

## Scenario by link

```

----- El Link Scenario. -----
|
| To change scenario, choose the desired 'device-link' and press
| 'Change':
|
| -----
| |           1973-0  Central Office
| |           1973-1  Central Office
| |           4876-0  Central Office
| |
| -----
|
+-----+
| <Continue>  < Change >  < Return >  < Exit  >
|
+-----+

```

This screen, you can define a scenario for each type of special link, allowing settings to non-usual environment for using the links.

Selecting one of the links and pressing the "Change" is shown a screen to define the specific scenario of the link (below).

```

----- Scenario. -----
|
| For which scenario will be used the link '0'
| of the device which serial number is '1973'?
|
| -----
| |           0  Central Office
| |           1  PABX
| |
| -----
|
+-----+
| <Confirm>  <Return >  < Exit  >
|
+-----+

```

On this screen, you define what the scenario for a link to a specific card. After the scenario selected, the configurator returns to the previous screen.

## Signaling

```

----- Signaling -----
|
| Which signaling will be used for the E1
| link(s)?
|
| -----
| |      0   R2/MFC Digital (Brazil)
| |      1   RDSI (EURO ISDN)
| |      7   Using different signalings
| |
| -----
|
+-----+
| <Continue>  < Return >  < Exit >  |
+-----+

```

- **R2/MFC Digital (Brazil )**

Signaling more common in Brazil (R2 Digital or R2D).

- **ISDN (EURO ISDN )**

ISDN Signaling, used in most modern plants.

- **I use different signals ...**

Select to configure each link with a different signaling and/or user signalization (between PBXes).

If the selected option is "Use different signalings..." the next menu will be "Signaling by link", otherwise it will be the final screen.

## Signaling by link

```

----- E1 Link Signaling -----
|
| To change signaling, choose the desired 'device-link'and
| press 'Change':
|
| -----
| |      1973-0   R2/MFC Digital (Brazil)
| |      1973-1   R2/MFC Digital (Brazil)
| |      4876-0   R2/MFC Digital (Brazil)
| |
| -----
|
+-----+
| <Continue>  < Change >  < Return >  < Exit >  |
+-----+

```

The columns have the following meanings, from left to right:

- Serial number board attached, followed by the number of link;
- Indicates the signaling set to link .

This screen is for selecting a different signal for each linkcardsavailable in the E1 system. Select the board and desired link, and use "Change" to enter the menu with the options (below).

```
----- Signaling -----
|
| Which signalling will be used on link '0' of
| device which serial number is '1973'?
|
| -----
| |      0   R2/MFC Digital (Brazil)
| |      1   RDSI (EURO ISDN)
| |      3   Line Side
| |      4   CAS EL7
| |
| -----
|
+-----+
|      <Confirm>   <Return >   < Exit   >
|
+-----+
```

Changes the signaling of a specific link, providing the following signaling options:

- **Digital R2/MFC**

Signaling very common in Brazil and Latin America, also called Digital or R2D R2. The settings of timing and number of digits input are automatically configured according to the usage scenario of the link E1.

- **ISDN (EURO ISDN )**

ISDN Signaling (ISDN), normally used in more modern equipment. If the link has been configured in the previous screens to connect to the central government, the sign chosen is "ISDN User" (ISDN EndPoint); if you have configured for PBX, the signal will be "ISDN network (ISDN network).

- **Line Side**

CAS Signaling Line Side, used for communication between different branches of PABX.

- **CASEL7**

*Signaling CAS EL7 used for communication between different branches of PABX.*

## Congratulations screen

```
----- Congratulations! -----
|
| Congratulations! You just finished the configuration of
| your Khomp board(s) in your GNU/Linux system, now you
| can use programs that make and receive calls
|
| WARNING: Some external programs for example
| Asterisk®, need to be configured to work properly.
|
+-----+
|
|      < Exit >
|
+-----+
```

At the end of setup, a screen provides messages about the configuration process newly made.