



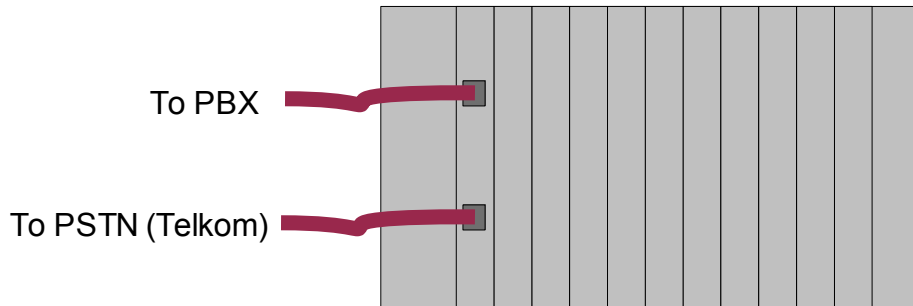
# TAROS Scanning Overview

## Version 3.0



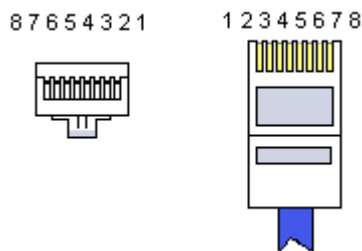
# Scanning Setup

A Taros unit used for scanning will be connected between the PSTN and PBX. It will pass non-cellular calls transparently between the PBX and PSTN, while intercepting cellular calls from the PBX to PSTN and routing them on the internal GSM engines.



*Simplified view of scanning unit (Power fail module omitted for clarity)*

- The top PRI will always be the connected to the PBX
- The bottom PRI will always be connected to the PSTN (Telkom)
- All the connection cables (including those of the Power fail module) are cross-over cables (pins 1 and 2 connected to pins 4 and 5)



*RJ45 Pinout*

RJ45 Crossover Cable	
RJ45 Connector 1	RJ45 Connector 2
1	4
2	5
3	NC
4	1
5	2
6	NC
7	NC
8	NC

# Software setup

## Top PRI (connected to PBX)

The screenshot shows the 'Port: 69' configuration window with the 'General' tab selected. The 'General' section contains three dropdown menus: 'Line Type' set to 'E1', 'Orientation' set to 'Network (Master)', and 'Clocking Mode' set to 'Master (generate clock)'. These three items are circled in purple. Below this is the 'Country Settings' section with dropdowns for 'ISDN Version' (Euro ISDN), 'Country Code' (Euro ISDN), 'Signalling' (No Signalling), 'Line Coding' (HDB3), and 'Framing' (Extended CRC4). At the bottom right is a 'Save and Reset Port' button, and at the very bottom are 'Reset Port' and 'Close' buttons.

The screenshot shows the 'Port: 64' configuration window with the 'PRI Settings' tab selected. The 'Alert sending on PRI' section has two radio buttons: 'Send 'ALERT' when remote party rings or on timeout:' (selected) and 'Do not send 'ALERT'', with a '4 Seconds' dropdown. The 'Overlap Receiving' section has a 'Quickdial digit count' dropdown set to '10' and a checked checkbox 'Wait for more digits if less than Quickdial.' with a '2 seconds' dropdown. The 'Action for unrouted calls' section has three radio buttons: 'Reject calls that cannot be routed', 'Pass calls that cannot be routed through to next PRI (Scanning PBX)' (selected), and 'Pass ALL calls through to next PRI (Scanning PSTN)'. This entire section is circled in purple. Below is the 'Custom Settings' section with a 'Do Custom Setup:' checkbox and a text field containing '132.10370.1', and an 'ISDN Call Reject Cause Code (default=34):' dropdown set to '34'. At the bottom right is a 'Save and Reset Port' button, and at the very bottom are 'Reset Port' and 'Close' buttons.

## Bottom PRI (connected to PSTN / Telkom)

The screenshot shows the 'Port: 96' configuration window with the 'PRI Settings' tab selected. The 'General' section contains the following settings:

- Line Type: E1
- Orientation: Terminal (Slave)
- Clocking Mode: Slave (sync. to network)

The 'Country Settings' section contains the following settings:

- ISDN Version: Euro ISDN
- Country Code: Euro ISDN
- Signalling: No Signalling
- Line Coding: HDB3
- Framing: Extended CRC4

Buttons at the bottom include 'Save and Reset Port', 'Reset Port', and 'Close'.

The screenshot shows the 'Port: 96' configuration window with the 'PRI Settings' tab selected. The 'Alert sending on PRI' section contains the following settings:

- Send 'ALERT' when remote party rings or on timeout: 4 Seconds
- Do not send 'ALERT'

The 'Overlap Receiving' section contains the following settings:

- Quickdial digit count: 10
- Wait for more digits if less than Quickdial. Timeout: 2 seconds

The 'Action for unrouted calls' section contains the following settings:

- Reject calls that cannot be routed
- Pass calls that cannot be routed through to next PRI (Scanning PBX)
- Pass ALL calls through to next PRI (Scanning PSTN)

The 'Custom Settings' section contains the following settings:

- Do Custom Setup: 132,10370,1
- ISDN Call Reject Cause Code (default=34): 34

Buttons at the bottom include 'Save and Reset Port', 'Reset Port', and 'Close'.

## **Other Software settings**

- The rest of the Routing setup will be the same as on a normal non-scanning unit.
- Remember to make test calls with numbers less than 10 digits. If it doesn't work correctly, make sure the "Wait for more digits if less than quickdial" setting is enabled on the Top (PBX) PRI.