



Netrix- NEC integration



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This hardware installation guide is a working and supporting tool for certified engineers for installing and maintaining iCall installations.

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This equipment has been tested and found to comply with the limits for a Class B, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

You are cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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Content

1. General purpose.....5
2. Implementation.....5
Programmation8

1. General purpose

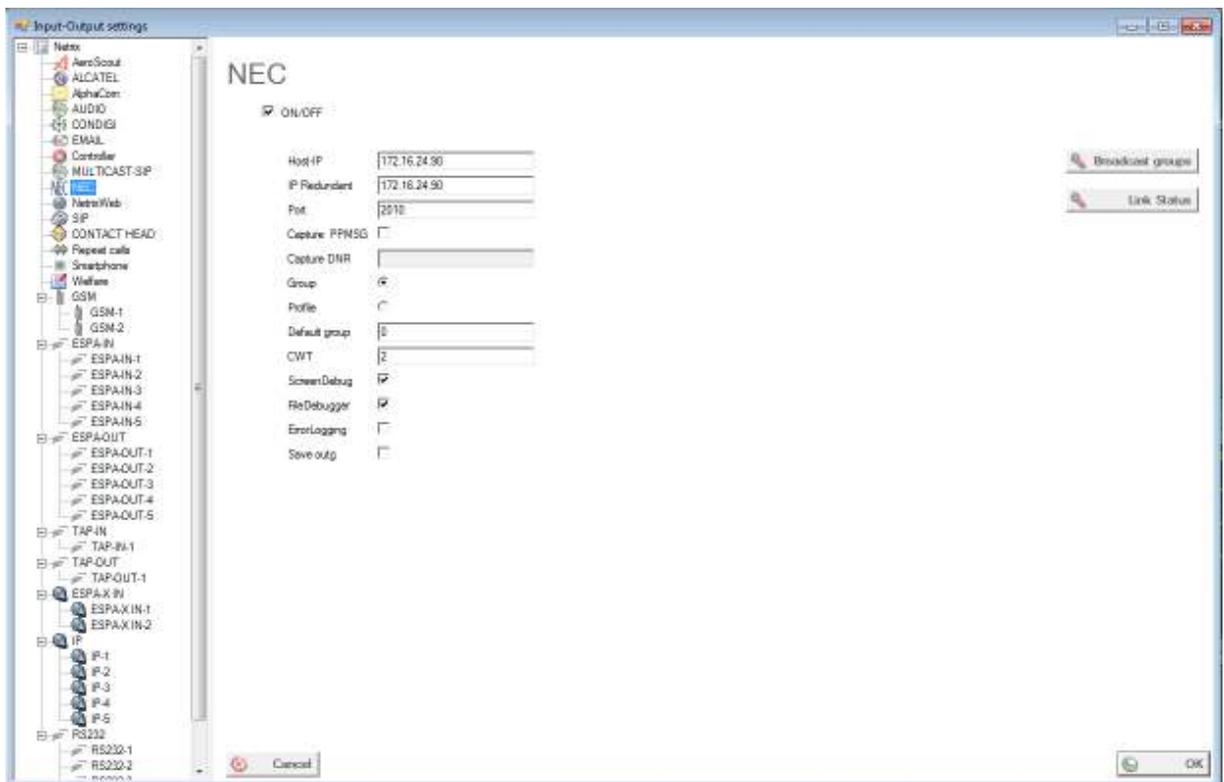
This document describes the implementation, programming and testing of the NEC interface in the Netrix software. The goal is to send text messages from the Netrix to NEC handsets. The message can have a maximum of 160 characters.

The Netrix communicates with the DECT Messaging and Location Service(DMLS) of NEC. The communications goes via TCP/IP sockets, so you only need to know the IP address of the DMLS and the specified IP port on which the DMLS is listening.

2. Implementation

Be sure the Netrix and the DMLS are connected to the same Local Area Network(LAN) . Start the Netrix software and go the input-output screen via the menu “Setup→Input-Output”.

In the treeview on the left, you select NEC, so the properties of the NEC interface will appear on the right panel.



HOST IP: IP address of the DMLS

Port: TCP Port of the DMLS

Capture PPMMSG: check this box if you want the Netrix to capture messages from the NEC handsets. This includes 'Man down' and aggression alarms.

Capture DNR: the range of handset numbers which the Netrix should capture.

The DNRRANGE can be a list (separated by comma "," or semicolon ";) of

- a DNR
- a wildcard range of DNRs by means of the wildcard character (*) at the end: PREFIXDNR*. Examples:
 - 12*: all DNRs starting with 12
 - 1234 : DNR 1234
 - *: all DNRs
- a range of DNRs by means of the "-"sign: DNR1-DNR2, examples:
 - 1180 - 1210
 - 1000 - 1200

Example: 1,9*,1100-1299

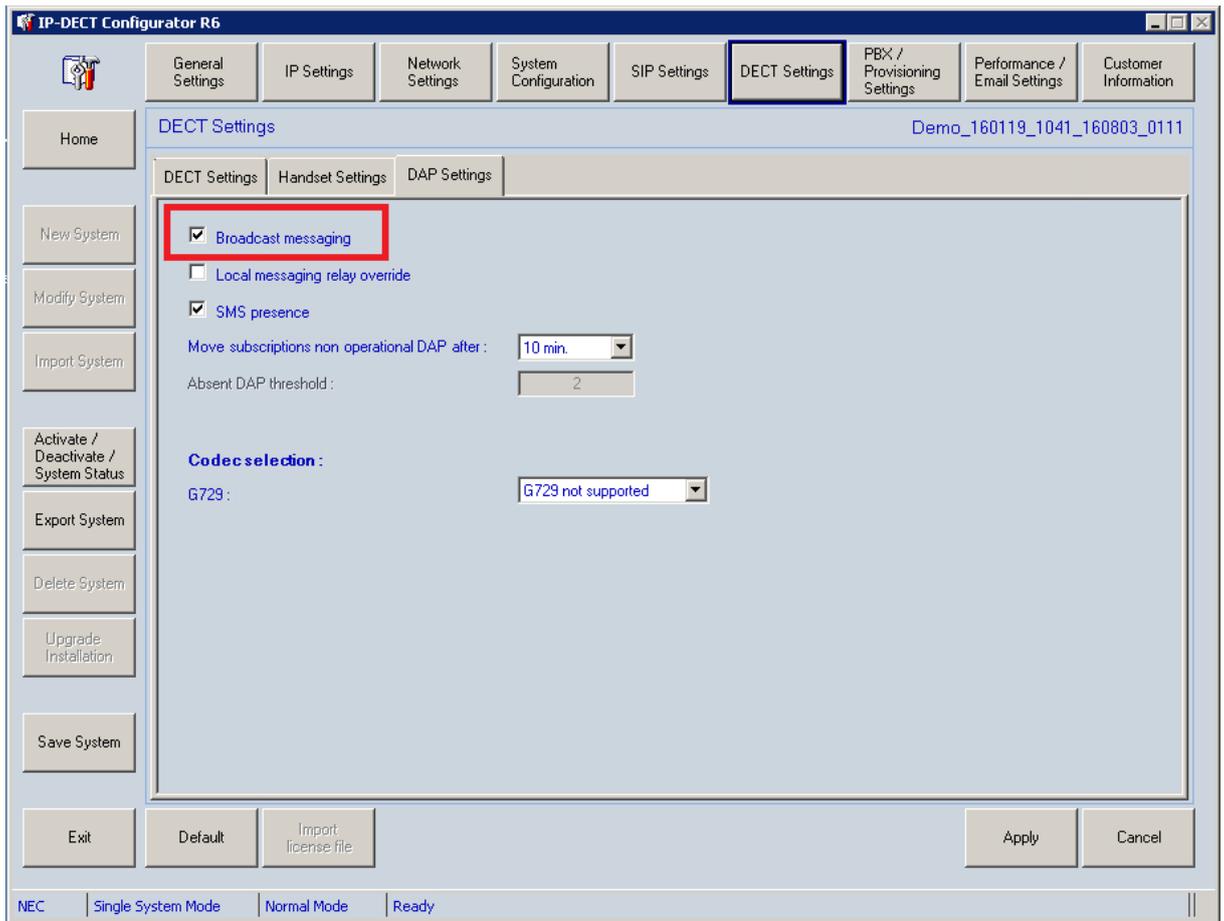
Group: Select this option to use groups for incoming messages
Profile: select this option to use profiles for incoming messages

CWT: Congestion Wait Time: When the DMLS buffer is full, the Netrix will receive a congestion error and pauses x seconds.
ScreenDebug: check this box if you need a debug screen for this interface
FileDebug: check this box to log the debug info
Errorlogging: Check this box to send errors to the errorlog.
Save outg: check this box to save outgoing messages.

Broadcast groups

Messages can be send in two different manners: Normal messages and broadcast messages. Normal messages are send to handsets one by one, broadcast groups are used if you need to send the same message to a group of handsets.

To enable Broadcast messages, 'Broadcast messaging' must be enabled in the IP-Dect Configurator.

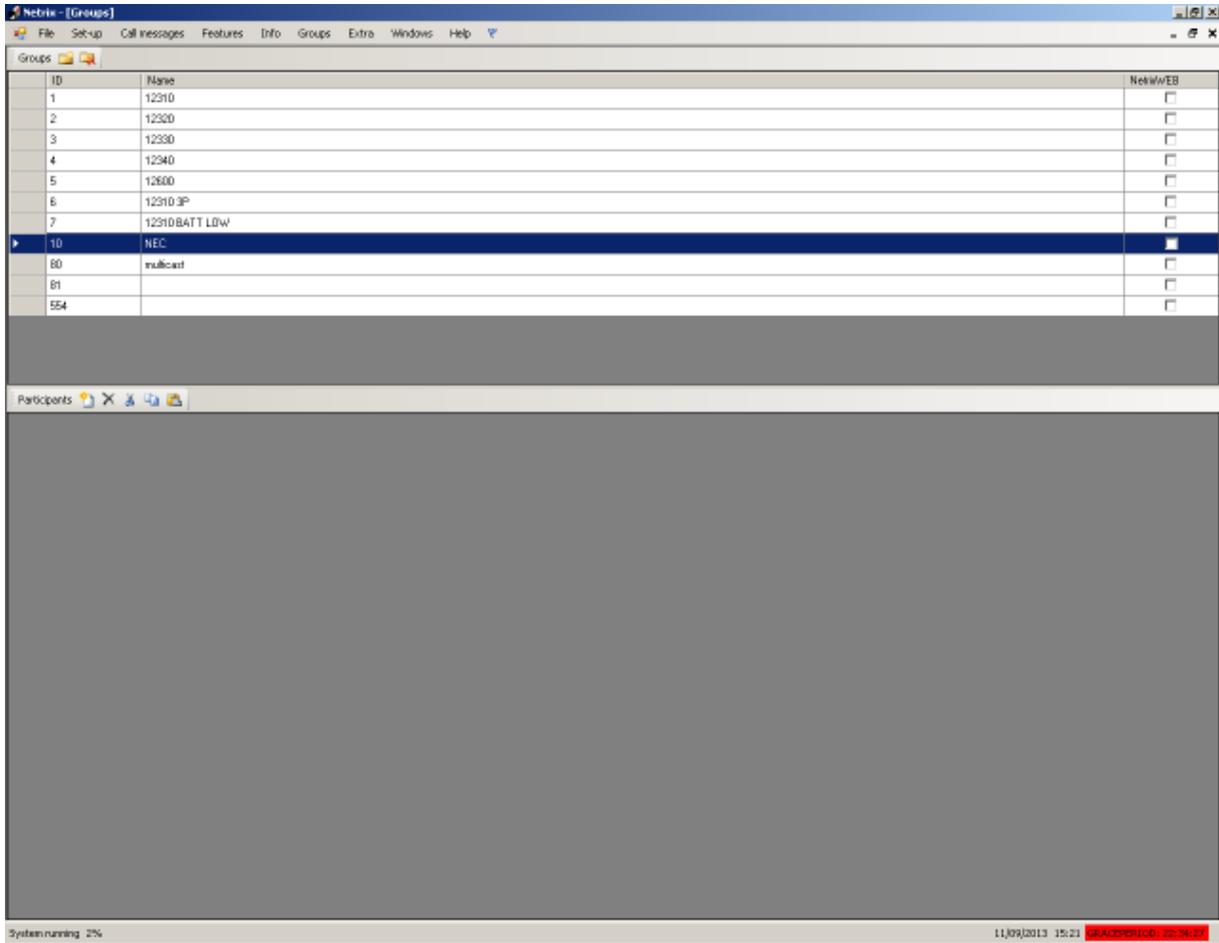


Link status

Click this button to check if your connection works properly.

3. Programmation

Create or select a group where you need to include a NEC message.



Select type "NEC".

The screenshot shows the 'Participant' dialog box with the following fields and options:

- Name: [Empty text box]
- Type: [Dropdown menu open, showing options: Contact head, IP, Multicast-SIP, **NEC**, Profile, RS232, SIP, Welfare]
- Number: [Empty text box]
- Title: [Empty text box]
- message: [Large empty text area]
- Priority: [0]
- Ringtone: [0]
- Callback: [Empty text box]
- Cancellation: Off, On, Supervision, Delete call
- Buttons: Cancel, OK

The screenshot shows the 'Participant' dialog box with the following fields and options:

- Name: [Empty text box]
- Type: [NEC]
- MSG1: [MSG1]
- Broadcast MSG:
- Number: [1001]
- Display message: [test message: &[MSG1]]
- Priority: [NORMAL]
- Ringtone: [04]
- Volume: [2]
- Backgroundcolor: [White]
- Callback: [Empty text box]
- Save:
- Buttons: Cancel, OK

Broadcast MSG: select this box if you need a broadcast message

Number: Handset number or broadcast group number

Display message: message to be send to the handset

Priority: Choose the priority of your message

WARNING: Priorities “Urgent” and “Very Urgent” keep occupying a place in the DMLS buffer(10 places) until the message is read or a timeout occurs after 30 seconds. Following messages will receive a “Congestion error” and must wait. Increase the CWT to 30.

Ringtone: Dect default: Ringtone chosen in the handset (depends on the priority)

01- 20 : Ringtones defined by the Netrix

Volume: Select the volume of the ringtone

Background color: you can choose a background color. This influents the maximum length or your message.

CallBack: You can setup a callback number if needed. This means you can call the specified number by pressing the green key on the keyboard of the handset (while reading the message).

Save: Select this box if you want the message to be saved on the handset, after it has been read.