Release Note	Alcatel-Lucent DECT Terminals

TC1772 ed.05

8232 DECT Handset

8232 DECT HANDSET
TECHNICAL RELEASE NOTE

This document is the technical release note for the8232 DECT firmware version 41.81

Revision History

Edition 1: July 27, 2012	v39.80 first delivered version on OXE solution
Edition 2: August 3, 2012	v40.80 improvement of handset identification
Edition 3: November 26, 2012	update following delivery on OXO/IP-DECT R105 solutions of v40.80
Edition 4: January 21, 2013	sections on documentation and cross compatibility updated
Edition 5: April 11, 2013	V41.81 full EGAP support, EHO and CAMPUS support

Table of contents

1 Overview

This document is the Technical Release Note of the Alcatel-Lucent 8232 DECT software **version 41.81**.

This software applies to the 8232 DECT handset hard hardware (ref: 3BN67330AA)

Warning

For OXE/IPDECT configuration special care shall be taken when upgrading from version 00.39.
Please refer to section 8.5.1 - Identification of version 39.80
Version "39.80": the DECT 8232 will be recognized as a MR 400 DECT Handset on OmniPCX Office and OmniPCX Enterprise systems due to limitations in the way the handset identifies itself.
Upgrading from version 00.39 in OXE/IP-DECT configuration**.**

Warning

BEWARE: it is generally not recommended to downgrade a handset.

1.1 Product Overview

The Alcatel-Lucent 8232 DECT handset offers an easy-to-use, cost effective and reliable voice communication solution that addresses the mobility needs of evolving business environments.

The Alcatel-Lucent 8232 DECT Handset provides a convenient and practical solution for the basic personal mobility needs of most business environments. It offers simple and efficient voice communications, enhanced usability and compatibility with the existing Alcatel-Lucent base station portfolio. It also offers all of the Alcatel-Lucent OmniPCX Communication Server value-added voice services (such as dial-by-name and multi-line management) that Alcatel-Lucent fixed desk phones support.

1.2 Supported Solutions

The new DECT Handset 8232 DECT is introduced on OmniPCX Enterprise and OmniPCX Office. The terminal is functionally compatible with previous Alcatel-Lucent MR 400 DECT terminals.

This software applies to the 8232 DECT handset hard hardware (ref: 3BN67330AA).

This product provides DECT mobility feature to the following Alcatel-Lucent solutions:

- Alcatel-Lucent OmniPCX Office (OXO) with following DECT infrastructure :
  - TDM base stations (IBS)
  - IP-DECT base stations (4080 DAP)
- Alcatel-Lucent OmniPCX Enterprise (OXE) with following DECT infrastructure :
  - TDM IBS base stations
  - TDM RBS base stations
  - IP-DECT base stations (4080 DAP)

Version 39.80 was the first version released to the public on the following solutions

- OXE/IBS, OXE/RBS, OXE/IPDECT (since R100)
- OXO/IBS, OXO/IP-DECT (since IP-DECT R105)

Version 40.80 is a minor enhancement release. It improves the identification of the handset and supports the following solutions:

- OXE/IBS, OXE/RBS, OXE/IPDECT(since R100)
- OXO/IBS, **OXO/IP (since DECT R105)**

Beware this version does not yet fully support the EGAP protocol for OXO / IP-DECT R105 solutions and thus cannot access the Enterprise Directory to make call by name. Nevertheless call by name using local directory is supported.

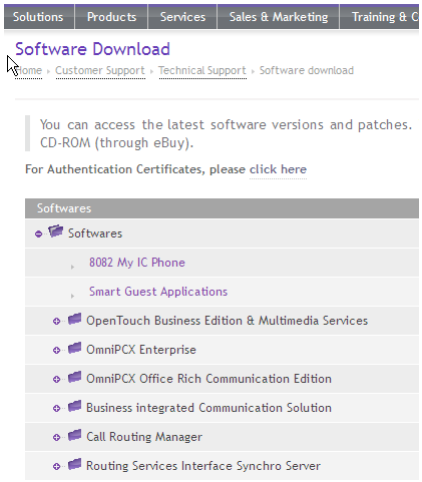
Version 41.81: this version fully supports the EGAP protocol for OXO/IP-DECT configurations.

2 Downloading Software Packages

Following software packages can be downloaded from the Enterprise Business Portal:
https://businessportal.alcatel-lucent.com

From the main page of the Business Portal, select the « Software Download » page by hovering the mouse over the "Top Menu Bar" area, then over « Customer Support », then over « Technical Support », and finally click « Software download ».

The « Software Download » page is then displayed.



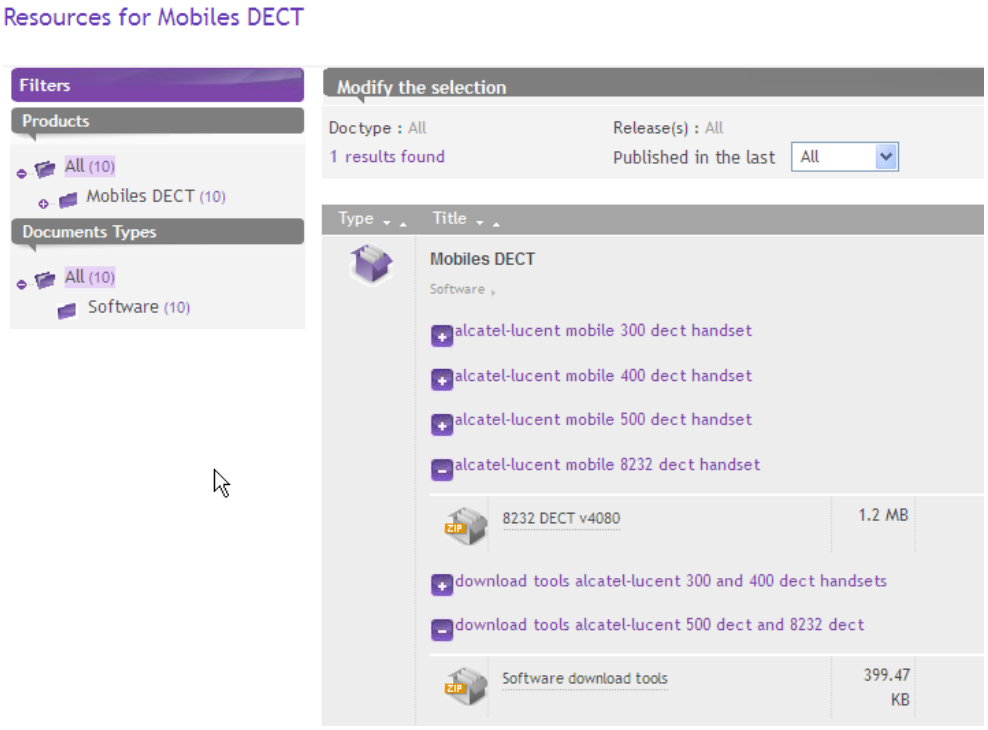
From this page you can access the latest software versions and patches. Click on the "***Phones***" node (be advised, you have to scroll down the list); then click on the "***Mobiles DECT***" sub-node.
The page "Resources for Mobiles DECT" is displayed. From this page you have access to the all the software packages related to Alcatel-Lucent DECT handsets.

In the section "***alcatel-lucent mobile 8232 dect handset***" you can download the 8232 dect firmware by clicking:

- **The link "8232 DECT v4181" which triggers the download of the archive "8232_DECT_v4080.zip"**

In the section "***download tools alcatel-lucent 500 and 8232 dect***" you will find:

- **The link "Software download tools" which triggers the download of the archive "FlashLoaderGUI_v2004.zip"**



3 Technical Documentation

The listed documentation can be found in the Technical Knowledge accessed from the Enterprise Business Portal.

Enterprise Business Portal: https://businessportal.alcatel-lucent.com

From the main page of the Business Portal, in the "Quick access" area, click the link to enter the Technical Knowledge Base (TKB).

For Technical Bulletins
In the TKB tool select the "Latest Technical Communications" in the vertical menu on the left side.
In the new page, enter the TC or TG reference (ex. TG0065) in the "Search by number (TCxxxx or TGxxxx)" field and click return to get access to the document.

For other documents
In the TKB tool select the Product, either "OmniPCX Office" or "OmniPCX Enterprise, and the concerned release, in the vertical menu on the left side.
Then click "Search" to open the Search page:

1. In the Reference Book section click "Unselect all" then click the checkbox related to the type of document ("User Manuals" , "User Guides", …) you are looking for
    - Note: you can check several type of documents
2. In the "Keywords" field enter the string "8232 DECT"
3. Then click "Launch the search" to access the document.

3.1 Technical Bulletins

Type	Ref	Ed	Title	*
Release Note	TC1772	(*)	8232 DECT Handset Technical Release Note	
Release Note	TC1784		Flashloader Application for Handset Firmware Upgrade	

(*) This document

3.2 OmniPCX Office Documentation

Product: OXO R9.0

Type	Ref	Ed	Title	*

Type	Ref	Ed	Title	*
User Guide	8AL90863USAA		8232 DECT Handset User Guide (common to OmniPCX Office and OmniPCX Enterprise)	c
User Manual	8AL90861USAB		8232 DECT Handset User Manual for OmniPCX Office	S (1)
System Documentation			8232 DECT - Registering the Handset	S
System Documentation			8232 DECT - Hardware description	S

S: document specific to the solution

c: document common to different solutions

(1): this document describes some features in GAP mode, available only with EGAP support; 40.80 does not fully support EGAP; full EGAP support is introduce in 41.81

3.3 OmniPCX Enterprise Documentation

Product: OXE 10.1

Type	Ref	Ed	Title	*
User Guide	8AL90863USAB		8232 DECT Handset User Guide (common to OmniPCX Office and OmniPCX Enterprise)	c
User Manual	8AL90862USAA		8232 DECT Handset User Manual for OmniPCX Enterprise	S
System Documentation			8232 DECT - 8232 DECT description	S

S: document specific to the solution

c: document common to different solutions

4 Related Hardware and Software

4.1 FLASHLOADER Application

The application FLASHLOADER, together with the "8232 DECT Download Tool", enables to update the firmware of 8232 DECT Handset.
It can be downloaded from the Enterprise Business Portal (refer to 2 "Downloading Software Packages").
Use FLASHLOADER tool version 2.0.0.4.

4.2 Handset Download Tool

Firmware upgrade of 8232 DECT Handset requires this specific tool:

- 8232 DECT Handset Download Tool, reference: 3BN67339AA).

This tool is used together with the application FLASHLOADER (which see).
It connects to 8232 DECT Handset 3,5mm jack and to PC USB port.

4.3 Alcatel-Lucent references related to 8232 DECT

For information purpose only
For the actual content of the different Alcatel-Lucent offers, please refer to ACTIS tool, accessible through the Enterprise Business Portal.

Category	Designation	Reference
handset	8232 DECT Handset, includes battery and belt clip	3BN67330AA
charger	8232 DECT Handset desktop charger, includes USB cable	3BN67331AA
charger	8232 DECT Handset desktop charger power supply, Europe mains plug	3BN67335AA
charger	8232 DECT Handset desktop charger power supply, Australia-UK-US mains plug	3BN67336AA
spare	8232 DECT Handset spare battery	3BN67332AA
accessories	8232 DECT Handset spare belt clip	3BN67333AA
accessories	8232 DECT Handset swivel clip	3BN67334AA
accessories	8232 DECT Handset vertical pouch	3BN67337AA
accessories	8232 DECT Handset horizontal pouch	3BN67338AA
tool	8232 DECT Handset download tool	3BN67339AA

5 Support of Alcatel-Lucent Solutions

5.1 Overview of Solution Support

Alcatel-Lucent solutions support 2 types of DECT infrastructures:

- The traditional DECT solution over TDM links;
- The more recent IP-DECT solution over IP links.

The traditional DECT solution exists in 2 variants: one using IBS base stations and one using RBS base stations (this latter only on OmniPCX Enterprise call server).

5.1.1 OmniPCX Office

On OmniPCX Office the AGAP protocol is only supported on DECT IBS infrastructures.

On IP-DECT infrastructures only the GAP protocol is supported.
To increase the level of features offered the IP-DECT infrastructure since release R105 support the EGAP (Extended GAP) protocol. The EGAP protocol is basically a GAP protocol with protocol extensions.

5.1.2 OmniPCX Enterprise

On OmniPCX Enterprise the AGAP protocol is supported both on DECT IBS/RBS and on IP-DECT infrastructures.

5.1.3 OpenTouch

Not currently in the scope of this product.

5.2 OXO Solution Support

On OXO solution, the technical release of the 8232 has been pronounced:

4. On OmniPCX Office Release 820 – for the DECT IBS infrastructure
    - With 8232 firmware v39.80
    - On newer version of OXO R820 the handset can be recognized as 8232 instead of as MR 400 by default. This needs version 40.80 in the handset.
5. On OmniPCX Office Release 900 - version 033.002 (see TC1729) for the IP-DECT infrastructure
    - With 8232 firmware v40.80

5.2.1 Cross platform compatibility

DECT infrastructure	DECT protocol	OXO software	Comments
TDM IBS	AGAP	from R7.1.2 upwards	From 8232 v39.80
IP-DECT from R105 upward	EGAP	from R9.0 upwards	From 8232 v40.80 Full EGAP rom v41.81

Note: published OXO compatibility document support MR300/400 from R4.0 upwards; the 8232 DECT handset should interwork with those supported releases as a MR400 handset (without geolocalization feature)
Note: 8232 DECT, as a GAP compliant terminal, can also perform as a basic GAP handset (although the set of features are very limited in this mode)

5.3 OXE Solution Support

On OXE solution, the technical release of 8232 has been pronounced:

6. On OmniPCX Enterprise Release 10.1 – Version J2.501.16.B (see TC1644)
7. With firmware v39.80
    - This firmware is recognized as a MR 400
    - Version v40.80 is necessary for the handset to be recognized as a 8232 DECT handset

5.3.1 Cross platform compatibility

DECT infrastructure	DECT protocol	OXE software	Comments
TDM IBS	AGAP	from R9.1 upwards	From 8232 v39.80
TDM RBS	AGAP	from R9.1 upwards	From 8232 v39.80
IP-DECT from R100 upward	AGAP	from R10.1 upwards	From 8232 v39.80

Note: published OXE compatibility document support MR300/400 from R6.1 upwards; the 8232 DECT handset should interwork with those supported releases as a MR400 handset (without geolocalization feature)
Note: 8232 DECT, as a GAP compliant terminal, can also perform as a basic GAP handset (although the set of features are very limited in this mode)

6 Installation

To upgrade the handset firmware, refer to sections 4.1 and 4.2.

For information on registering the handsets on Alcatel-Lucent systems, refer to the user manual of the handsets and to the System Documentation of the deployed solution.
Refer to section 3 for guidance on searching in the Technical Knowledge Base (TKB tool).

7 Delivered Features

The current software version is "41.81"
The current software release is R110.

7.1 Product Main features

- Alcatel-Lucent OmniPCX Telephony Protocol (AGAP)
- Enhanced GAP (EGAP) for OXO/IP-DECT support
- Standard DECT GAP profile compliant
- Classic TDM (IBS, RBS) connectivity
- IP-DECT connectivity
- One worldwide product
- Low power mode (50mW) for demanding environments
- DECT Security (authentication, encryption)
- Lightweight, ergonomic design and intuitive operation
- Color display, Backlight
- Vibrating mode
- Hands-free and mute
- Headset jack 3,5mm
    - Same corded headset as MR300/400 and OT8000
- Loudspeaker/mute during call
- Status led (missed calls, Battery status)
- Received messages visual and audio notification
- Antenna diversity
- Compatible with Alcatel-Lucent MR 400 DECT handsets
    - Note : the 8232 is full compatible with MR 400 DECT and implement all the functions of MR 400 except for the **geo-localization features of MR 400 which are not supported**

7.2 History of releases

Version 00.39 was the first released version of 8232 DECT release R100.
Version 41.81 is the first released version of 8232 DECT release R110

7.3 History of software versions

ED	DATE	Version	Comment
01	27/07/2012	v39.80	first R100 delivered version on OXE solution
02	03/08/2012	v40.80	improvement of handset identification
03	26/11/2012	V40.80	update following delivery on OXO/IP-DECT R105 solutions of v40.80
05	11/04/2013	V41.81	First R110 version, full EGAP support, EHO and CAMPUS support

***ED**: edition of this document introducing the version*

7.4 New features introduced in release R110

7.4.1 Improvement of battery status indication

The management of the battery status has been improved to better handle insertion of a new battery in the handset and also and handset on charger while powered off.
This improvement fixes bug crms00380625.

7.4.2 Handset / Software identification improvement

The handset identifies the solution where it is operating, both the call server type (OXO, OXE) and the kind of DECT solution (traditional TDM link (IBS or RBS) or new IP DECT). Based on this identification it performs the pertinent protocol exchanges to best identify itself (AGAP protocol negotiation or IP DECT notification using extension byte).
This insure that the handset and software version is recognized as an "8232 handset or 8232 handset software" on recent release of OXO and OXE solutions operating with IBS and RBS, and on IP DECT configurations.
This will work with

- OXO versions from OXO R9.0.
- Future OXE version OXE R11.
- All supported IP DECT configurations.

On other call server configuration, 8232 will be recognized as a MR 400 handset while operating in AGAP mode.

7.4.3 Full Support of EGAP protocol [IP DECT/OXO]

In (OXO / IP DECT) solution the AGAP protocol is not supported. The handset support EGAP (Extended GAP) protocol which is basically the standard GAP mode with some extension to handle:

- call by name using the CDA (Corporate Directory Access) protocol ;
  - including use of directory for enquiry call
- Multi-line: 2 lines with up to 2 call each can be managed
  - Switching lines can be achieved with the "*" key short press.
  - Switching enquiry calls on a line can be achieved with the "R" key (Off hook long press).
- support of distinctive ringing (use of different ringing tone according to the type of call)
- and to improve the MMI ergonomic
  - management of "unread message" and "unread voice message" icon and tooltip

7.4.4 Messaging [IP DECT/OXO]

Behind IP DECT, using LRMS to DMLS or to SIP, support instant messaging according to RFC3428.

- The handset can store up to 20 messages of up to 128 characters long.
- Browsing and deleting messages is supported.
- Handset can edit and send a message up to 32 characters long, displayed on 2 lines of text.
- 3 fixed messages entries, shall be available,
  - message 1: "in a meeting, please call later"
  - message 2: "I am absent for a moment"
  - message 3: "please call again"
- Incoming messages are notified to the user by a beep, a message icon in status bar and optionally a LED signal.

7.4.5 Vibrator activation short cut

Long press of SK2 will switch to ringing mode B: « Vibrate only ».

7.4.6 Vibrate and Ring menu

The menu label "Vibrator» in Settings screen list is changed to "Vibrate/Ring".

7.4.7 DECT security

The 8232 DECT handset will be compliant with state of the art security for DECT:

- TS 102 841 V1.2.1
- DECT Forum security logo

This includes:

- Improvement of authentication algorithm using DSAA2 (based on AES).
- Encryption activation FT initiated
- On air key allocation (64-bit UAK) (feature N.12)
- Authentication of PP (feature N.9)
- Evaluation of peer sides behavior regarding encryption including timeout values for triggering of call release (feature N.35)
- Early encryption: immediately after connection establishment (feature N.35)
- Procedure for re-keying with a new derived cipher key during a call. (feature N.35)

7.4.8 Site Survey Function

Improved site survey, MR 400 like, will be useable for DECT site survey.
Note: as of version 41.81 this is only partially delivered.

7.5 New features introduced in 40.80

Version 40.80 improves the identification of the handset; it is otherwise equivalent to version 00.39.

7.6 Refer to section 8.1 – "Outstanding issues

The following table list the outstanding issues of the last released version

7.7 Status of restrictions

The following table give a status of the restrictions affecting the released software.

Description (link)	Introduced	Removed	Comment
Identification of the software	00.39	-	
Screen flashes in blank	00.39	-	Hardware limitation
Loss of key presses when typing quickly	00.39	-	Greatly improved since 41.81
Site Survey Mode Quality not at MR400 level	41.81	-	Use MR400 for site survey
Limitations in EGAP mode		-	
Site Survey Mode Quality not at MR400 level	41.81	-	
EHO and CAMPUS not supported (OXE systems) until version 41.81	00.39	41.81	
Loss of key press when typing quickly	00.39	41.81	No fully solved (see above)
Version "40.80" does not fully support EGAP protocol (OXO/IP-DECT configuration)	00.39	41.81	
Identification of version 39.80	00.39	40.80	
Upgrading from version 00.39 in OXE/IP-DECT configuration	00.39	40.80	

7.8 Current restrictions

These are restrictions still applying to last released version.
Identification of the software" for more details.

8 Restrictions and limitations

8.1 Outstanding issues

The following table list the outstanding issues of the last released version

8.2 Status of restrictions

The following table give a status of the restrictions affecting the released software.

Description (link)	Introduced	Removed	Comment
Identification of the software	00.39	-	
Screen flashes in blank	00.39	-	Hardware limitation
Loss of key presses when typing quickly	00.39	-	Greatly improved since 41.81
Site Survey Mode Quality not at MR400 level	41.81	-	Use MR400 for site survey
Limitations in EGAP mode		-	
Site Survey Mode Quality not at MR400 level	41.81	-	
EHO and CAMPUS not supported (OXE systems) until version 41.81	00.39	41.81	
Loss of key press when typing quickly	00.39	41.81	No fully solved (see above)
Version "40.80" does not fully support EGAP protocol (OXO/IP-DECT configuration)	00.39	41.81	
Identification of version 39.80	00.39	40.80	
Upgrading from version 00.39 in OXE/IP-DECT configuration	00.39	40.80	

8.3 Current restrictions

These are restrictions still applying to last released version.

8.3.1 Identification of the software

8.3.1.1 Identification on old releases of systems of all versions of 8232 software

The DECT 8232 is recognized as a MR 400 DECT handset on old releases of OmniPCX Office and OmniPCX Enterprise systems that do not explicitly support 8232 handsets.
For identification on newer releases see section 8.3.1.3 - "Identification of version "40.80" on newer releases of systems".

8.3.1.2 Display of software version for version 39.80

Version "39.80": on the DECT 8232 the displayed version is « 00.39 ».
On OmniPCX Office and OmniPCX Enterprise the version will be displayed as « 39.80 ».

8.3.1.3 Identification of version "40.80" on newer releases of systems

Starting from 8232 version "40.80" and from OXO R820, the 8232 is recognized as an "8232 DECT handset".

On OXE, although the handset software is ready since version "40.80", there is not currently a version recognizing the 8232 as an "8232 DECT handset".

8.3.2 Screen flashes in blank

When the handset is switched off, sometime the screen flashes briefly in blank:

1. When the handset is inserted in the charger;
2. When the user press the on-hook key (red key) to switch it on even (even if the handset is not switched on because the press is too short)

This is a hardware limitation.

8.3.3 Loss of key presses when typing quickly

The management of the keypad has been greatly improved to handle quick typing in version 41.81.
Most of the cases have been solved but there is still an issue on the second key press when the handset were in idle screen before pressing the first key.
Most of the time, the second key press is correctly handled. But if the dect system is busy and the system response is delayed and the second key is pressed quickly after the first one, a key press may be lost.

8.3.4 Limitations in EGAP mode

The EGAP mode compared to AGAP mode has some intrinsic limitations.

3. No conference feature; note: in EGAP mode the conference has to be supported inside the terminal while in AGAP mode the conference is handled in the call server side.
4. Many features are accessible to the user but are not supported by menus in the handset. The user has to dial the appropriate feature codes. Refer to user manual for more information. These features include:
    - In call conversation features
    - Forward activation
    - Voicemail consultation

8.3.5 Site Survey Mode Quality not at MR400 level

As of version 41.81 a site survey mode equivalent to MR400 site survey mode has been introduced.
Currently it has still to be improved to achieve MR400 survey mode quality.

Warning

Although the indication of the site survey of the 8232 DECT handset are useful and can be used for troubleshooting purpose, as of version 41.81 it shall not be used to perform the site survey of a site for DECT deployment study. MR400 is currently the only supported handset for this purpose.

8.4 Restrictions removed in version 41.81

The following limitations / restrictions of the version 40.80 have been removed in version 41.81

- Support of EGAP mode for OXO solution
  Version 41.81 fully supports the EGAP mode and especially the use of corporate directory to make calls.
- EHO handover and CAMPUS roaming support for OXE solution
  The external handover (EHO) and the CAMPUS feature for large installations are now fully supported by the 8232 handset.
- Loss of key presses when typing quickly
  The management of the keypad has been greatly improved to handle quick typing. Most of the cases have been solved.
  Currently there is still an issue that most of the time did not arise, when pressing the second key when the handset were in idle screen before pressing the first key. Depending on the system response delay and if pressing quickly the second key, this key press can be lost.

8.4.1 EHO and CAMPUS not supported (OXE systems) until version 41.81

The EHO and CAMPUS features are not supported on OXE systems in versions 39.80 and 40.80.
They are supported from version 41.81 onward.

8.4.2 Loss of key press when typing quickly

When pressing keys quickly, sometimes some key presses are lost. This is especially true for the second pressed key when the handset is in idle mode and a string of keys is pressed.

This behavior has been much improved in version 41.81. In most cases there is no longer loss of key press. When a radio link has to be established following a key press (for example dialing a number or pressing the OK key while the handset is in idle mode), it can occur. Depending on the load of the system, the second key can be lost. Most of the time there is no problem but if the system delay the link establishment it can occur.

8.4.3 Version "40.80" does not fully support EGAP protocol (OXO/IP-DECT configuration)

This section only applies to global solutions including OXO and IP-DECT.
EGAP protocol is fully supported from version 41.81

The IP-DECT solution has been released on OXO since releases OXO R900 and IP-DECT R105. This means that in an OXO/IP-DECT configuration you must use a version of OXO equal or greater than R900 and a version of IP-DECT equal or greater than R105.

The version "40.80" of the 8232 firmware has been released on OXO R900. It works with IP-DECT R105 but the EGAP protocol support is not fully functional:

1. Corporate Directory not supported (no dial by name using enterprise directory)
2. No notification of new voicemails
3. The handset language setting is local to the handset and cannot be set through OMC

8.5 Restrictions removed in 40.80

8.5.1 Identification of version 39.80

Version "39.80": the DECT 8232 will be recognized as a MR 400 DECT Handset on OmniPCX Office and OmniPCX Enterprise systems due to limitations in the way the handset identifies itself.

8.5.2 Upgrading from version 00.39 in OXE/IP-DECT configuration

Warning

It is very important to follow the instructions in this section when the following conditions are met:

- The system configuration is **OXE/IP-DECT**
- The version of the handset firmware is **00.39** and should be upgraded
- The **handset is already registered** on the OXE/IP-DECT system

The issue arises when ALL of these conditions are met.

Due to the changes introduced in the management of the identification of the handset by the system, there is an issue when upgrading an already registered handset from version 00.39 to upper version. After upgrading the handset is in a "pseudo-blocked" state where it is unable to connect to the system and unable to enter the menu screen while it is under coverage.

8.5.2.1 Recommended procedure to upgrade the handset from version 00.39

When all the following conditions are met:

- The system configuration is OXE/IP-DECT,
- The firmware version of the handset is 00.39,
- The handset is registered on the OXE/IP-DECT system,

It is recommended to apply the following procedure:

1. De-register the handset from the OXE/IP-DECT system
2. Upgrade the handset firmware from version 00.39 to an upper version (e.g. 40.80, 41.81).
3. Register again the handset on the OXE/IP-DECT system

If your handset is not yet registered and you want to register it on an OXE/IP-DECT system, apply the following procedure:

1. First upgrade the handset firmware from version 00.39 to an upper version (e.g. 40.80, 41.81).
2. Then proceed to register the handset on the OXE/IP-DECT system

The following configurations are not affected by this issue and thus no special precaution is necessary:

- OXE/IBS, OXE/RBS
- OXO/IBS, OXO/IP-DECT


Note

On OXO the first released firmware version for 8232 DECT handset was version 40.80.

8.5.2.2 How to recover from issue

If for any reason your handset falls in the "pseudo blocked" state after upgrading from version 00.39 while it was registered on the OXE/IP-DECT system, it can be recovered by applying the following procedure:

1. De-register the handset from the OXE/IP-DECT system; this per se does not solve the "pseudo blocked" state issue, it is still not possible to enter the menu screen on the handset.
2. Take the handset out of coverage.
3. Once out of coverage, it is possible to enter the menu screen.
4. Go to menu XXXX and suppress the registration in the handset.
5. Now you can upgrade the handset firmware from version 00.39 to an upper version (e.g. 40.80, 41.81).
6. And then proceed to register the handset on the OXE/IP-DECT system.


Note

Once pseudo-locked it is necessary to go out of the coverage area of your system.
It is no use to try to switch then handset off and on, or to remove/insert the battery.
After power up, the handset is still in the pseudo-blocked state.

9 Main corrections

9.1 Corrections between version 40.80 and version 41.81

See also the list of new features introduced in version 41.81

9.1.1 Major corrections

Identifier	Siebel	Headline
crms00409680	1-139936121	59820 - ALU - OXO - DECT 8232 feature Audio max level not memorized
crms00376027	1-141205625	202688 Date and time update on 8232 DECT is not working
crms00376027	1-141694147	Date and time not synchronised on DECT 8232 and Oxo
crms00376257	1-140265041	OT8232 keeps ringing after Pickup or parallel HGR
crms00376257	1-138886421	Call release with 5-8 seconds delay on DECT 8232 and 500
crms00376257	1-138275761	202688 delay at ringtone/vibration stop after call ends //900 BETA TEST//
crms00377084	1-134026693	202688 DECT8232 doesn't work after upgrade
crms00377297	1-134855677	Handset 8232 doesn't accept the key press always
crms00377301	1-134855673	Screen is flashing at switched off Dect 8232
crms00377899	1-134855731	Audio interruption on Dect 8232 when key press on volume button
crms00378672	1-135016078	8232, Problem of lost digits when you dial quickly in the terminal
crms00382367	1-135617051	OT8232 set suddenly frozen
crms00382518	1-135617055	OT8232 display flickering when typing or navigating in menus
crms00383625	1-136015655	OT83232 suddenly switched off without a known reason
crms00395642	1-138928231	DECT 8232 the missed call notification is truncated in German
crms00395649	1-140267221	OT8232 does not show the name during ringing phase
crms00395649	1-138886522	Calling party name is not displayed on DECT 8232 during ringing phase
crms00408205	1-141711878	8232 DECT can not be switched off when Out of Radio range//900 BETA TEST//
crms00408315	1-141694141	DECT 8232 and Yellow Icon display
crms00375906	1-134509391	R100: 8232 / Must be pressed slowly to correctly enter in the menu

9.1.2 Minor corrections

Identifier	Siebel	Headline
crms00368742		Vibrator menu should be Ring -Vibrator
crms00376066		R100: 8232Dect: Unable to play the voice mail through loudspeaker
crms00377167		IP-DECT OXO : in GAP mode, not possible to dial with digit by digit

		mode
crms00377379		8232 R100: Sometimes, a number is lost when dialing in bloc mode with 8232 DECT HS
crms00378815		8232 : Handset lock menu shows Headset icon
crms00379108		R100:Sometimes, the handset loses its synchronization and emits beep of out of coverage, while it is always covered
crms00380625		4 8232 OXO IBS: handset out of range after 1 hour conversation (the battery capacity switch from 30 % to <10% after that)
crms00380625		Battery management has been improved.
crms00380625		8232 OXO IBS: handset out of range after 1 hour conversation (the battery capacity switch from 30 % to <10% after that).
crms00393049		8232 IP-DECT OXO : impossible to register one 8232 if star character in PARK
crms00395649		Calling party name is not displayed on DECT 8232 during ringing phase ((crms00393767))
crms00398109		8232 : no € symbol is present (empty choice).
crms00400195		8232 : bad tool tip icons and bad tool tip actions.
crms00368959		8232: default date when bases reset.
crms00370119		8232 IP-DECT : "No answer from System" more often seen on IP-DECT

9.2 Changes in 40.80

Software identification evolved to enable systems to recognize the 8232 handset and to display the same version on handset and on systems
This version addresses the following restrictions of version 00.39/39.80:

- Identification on systems
- Display of software version

9.3 Initial release of software for 8232 DECT handset

Version 39.80 is the first software version released with the 8232 DECT Handset.

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Submitting a Service Request

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Before submitting a Service Request, make sure that:

- In case a Third-Party application is involved, that application has been certified via the AAPP
- You have read through the Release Notes which lists new features available, system requirements, restrictions etc. available in the Technical Knowledge Base
- You have read through the Troubleshooting Guides and Technical Bulletins relative to this subject available in the Technical Knowledge Base

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