



RELEASE NOTES

Ascom IP-DECT v13.1.2



GENERAL

Software name: IP-DECT (IPBL, IPBS1, IPBS2, IPBS3, IPVM)
Software version: 13.1.2
Release date: 2025-06-16

Downgrade/Upgrade concerns

From version 9.1.X and later the IPBS1 only has radio functionality

Background:

Due to lack of available flash space for new firmware/boot on IPBS1, we need to remove reserved space for persistent data in order to make more space available.

Solution:

This means that the central software components are no longer supported on IPBS1. The IPBS1 is now only able to host the DECT Radio component. All IPBS1 in a system using any other functionality than DECT Radio component (i.e. Master, Mobility Master, Crypto Master, Kerberos server, Central Phonebook, Gateway) need to be replaced/swapped by IPBS2/IPBS3/IPVM/IPBL1 before upgrade.

If central software components are enabled for an IPBS1 there is a risk that there already are too little space in the flash to be able to upload the firmware. In that case a factory reset is needed to resolve the issue.

G.723 and G.729 are phased out

G.723 and G.729 codecs is no longer supported by the IP-DECT system.

SNMP is disabled by default

The SNMP service is disabled by default. To enable use the enable option on Services->SNMP page. Note that after upgrade of an existing system, the SNMP functionality will be disabled and needs to be enabled again for each device. For large systems, support can assist with tools to do this as a bulk change.

Upgrading from version 8.X.X

ICE enabled

Background:

After upgrade to 10.0.X, ICE functionality is enabled.

Solution:

The option to disable ICE has moved from the VoIP page to the DECT->System page. If ICE was disabled, then it must be manually disabled again on DECT->System page after an upgrade.

Upgrading from version 7.X.X

SMS encryption enabled by default

Background:

After the upgrade, SMS Encryption will be enabled by default.

Solution:

If SMS encryption is not wanted, it needs to be disabled both in Unite (see Unite documentation) and in the IPBS (see Installation and Operation manual).

Downgrading to 10.0.X (or earlier)

Device Not Reachable

Background:

If IPv6 has been used in the configuration the device becomes unreachable (or stuck in boot loop) after downgrade to a version that does not support IPv6.

Solution:

Restore old configuration before downgrade.

Limitations

- IPDECT-3111: Incorrect IP address with the ASCOM-IPDECT-MIB when listing events or alarms reported from a device using IPv6. The MIB currently uses the IpAddress syntax from SNMPv2-SMI which only supports IPv4. As a result, only the least significant 4 bytes of the IPv6 address will be displayed as an IPv4 address.

Recommended browsers

- Firefox
- Chrome
- Edge

Supported VMware ESXi versions for IPVM

- 8.0
- 7.0
- 6.7
- 6.5

Release Notes IPDECT - Version 12.0.13 to 13.1.2

New Feature

RFC 8760 - SIP digest authentication (replace MD5)

JIRA: IPDECT-6031

Background:

Add support for RFC 8760 which introduces more secure authentication algorithms for SIP authentication.

Solution:

Added additional SIP digest authentication algorithms:

- MD5-sess
- SHA-256
- SHA-256-sess
- SHA-512-256
- SHA-512-256-sess

IPDECT - Extension of SNMP functionality for status monitoring

JIRA: IPDECT-6191

NCR/CR: CR-1756

Background:

In the past there has been support for the standardized MIB-2 to retrieve IP related statistics and basic info about each host on the network and an IP-DECT specific MIB to retrieve information about events and alarms in the IP-DECT system. It has not been possible to see more detailed status information of the IP-DECT system for more proactive monitoring via SNMP.

Solution:

The ASCOM-IPDECT-MIB has been extended to include detailed status information similar to the information that has until now only been available via the Web UI. For IPBL status information about each connected RFP is available as well as status of the IPBL DECT synchronization (ring sync). For IPBS status information about air synchronization has been made available. For all device types it is possible to retrieve basic information about hardware, firmware, serial number etc.

CR

SIP: Option to not use cached digest credentials

JIRA: IPDECT-6264

Affects system/s: SIP

Background:

The NEC SV9500 IP-PBX does not seem to handle cached digest credentials in a reasonable way. It is always challenging a re-Register request in a way that is interpreted as an authentication failure by IP-DECT.

Solution:

To support the NEC SV9500 a new interoperability setting has been added which disables the use of cached digest credentials. In this way the challenge for a re-Register will not look like an authentication failure by IP-DECT. As the NEC SV9500 is challenging every re-Register request anyway the performance will not be affected.

Improvement

Standard backup password

JIRA: IPDECT-6394

Background:

The standard backups has used "changeme" as password. As the user now is forced to change the default password on first login it is not possible to restore such backups. Hence there is a need to use a new password for standard backup files.

Solution:

The device short name, e.g. "IPBS3-1a-2b-3c", is used as the password when backup file is downloaded using "download with standard password".

Overview of missing radios

JIRA: IPDECT-6316

Background:

Simplified overview of missing radios. In a big system, you now need to scroll through a long list of radios, to find the radios that are missing. Improve visibility of disconnected radios.

Solution:

Added new heading "Disconnected Static Registrations" to system overview page to collect all disconnected devices in a separate list.

Unite Host Id

JIRA: IPDECT-6292

Background:

Improve data to Unite system survey by including more information in query responses.

Solution:

Additional information added to the response include license, uptime, reset cause, MAC address. Devices configured Standby Mobility Master now also respond to query messages in addition to Mobility Master, Mirror Master and Standby Master devices.

DLD3 support

JIRA: IPDECT-6267

Components: IPBL1, IPBS2, IPBS3, IPVM

Fixed version(s): 13.1.0, Planned 13.1.X

Background:

IP-DECT needs to handle subscription of the new DLD3 location beacons. For Teams systems onboarding shall not be done (and no license consumed).

Solution:

Onboarding is not initiated for DLD3 devices in a Teams system. For better visualization of the beacons added to the system there is now a tab called "Locator Devices" under the Users section.

Remote services need IP-DECT identifier in AppStatLogs

JIRA: IPDECT-6265

Background:

When IP-DECT sends event and alarms to Unite is shall include a device identifier.

Solution:

MAC address is sent as sub-address when sending AppStatLogs to Unite, e.g.

"MAC:00013e25ec2a@1.2.3.4/IP-DECT". When PARI master detects lost radios then the MAC address used will be from the missing radio.

LLDP: Update GUI with new options

JIRA: IPDECT-6166

Background:

Add additional LLDP options and status information.

Solution:

LLDP GUI page is updated with new options to handle VLAN and PoE over TIA.

- Disable: Disable LLDP configuration of VLAN and PoE for this interface and don't send LLDP frames to switch.
- Ignore: Disable LLDP configuration of VLAN and PoE for this interface but send Inventory information to switch
- Disable TIA PoE: Disable VLAN configuration via TIA 1057 TLV
- Disable TIA PoE: Disable PoE negotiation via TIA 1057 TLV
- Disable IEEE PoE: Disable PoE negotiation via IEEE-802.3 TLV
- Prefer PoE+ from interface: Skip any PoE negotiation when PoE+ is detected by ethernet interface
- Trace: Trace received and sent LLDP frames

Option to send only one Media Description in SDP

JIRA: IPDECT-6134

Background:

Some PBXs requires the SDP to only contain a single SRTP media description.

Solution:

Added option "Single Media Descriptor in SDP" on Advanced->SIP page.

IPVM vmxnet3 ethernet driver

JIRA: IPDECT-5992

Background:

New ethernet driver "vmxnet3" with improved performance for IPVM.

Solution:

For new installations using the .ova file the vmxnet3 driver will be used automatically. For existing installations that are upgraded using the .bin file the old driver will still be used and will work as previously. If the new driver is to be utilized, it is necessary to manually edit the .wmx file and replace "vance" with "vmxnet3". An alternative is to take a config backup, make a new installation using the .ova file and then restore the backup.

Enable Kerberos AES encryption by default

JIRA: IPDECT-5977

Background:

The legacy configuration of encryption types is not relevant anymore and has the wrong default settings. It would be better to remove the configuration all together which then means that the AES and RC4 encryption types will always be enabled. This configuration has been a common reason for failure when setting up a Kerberos trust with a Windows Server AD.

Solution:

The legacy configuration of Kerberos encryption types has been removed, and all modern encryption types are then always enabled.

Bug

Restricted airsinc slave shown as standby

JIRA: IPDECT-6270

Fixed version(s): 13.0.0, 13.1.0, Planned 13.1.X

Background:

If a radio is configured as restricted airsinc slave it will be presented as a standby master in the device overview of the PM.

Solution:

Now they are presented as "Restricted Slave".

Upload of config to IPBL results in loss of password, SARI etc.

JIRA: IPDECT-6088

Components: IPBL1

Background:

Upload of config showed removed rows. After reset the IPBL had now lost system object info (SARI, pw, all users).

Solution:

This occurs for config files where kerberos users and KRB0 (view 101) is before PBX0 in the configuration file. An internal LDAP conflict has been resolved to properly handle these types of config files.

802.1X: Configuration improvements

JIRA: IPDECT-5877

Background:

From the 802.1X configuration it is not obvious which authentication methods are supported and what is required to enable them.

Solution:

It is now possible to select a preferred authentication method (EAP-MD5 or EAP-TLS) and after selection, the relevant additional settings for it are displayed. It is still the network side that finally decides which method to use.

Logs from DB1 not downloadable

JIRA: IPDECT-5811

Components: IPBL

Background:

It is not possible to download DB1 logs from the IPBL when using Chrome or Edge browsers (no problem seen with Firefox).

Solution:

Updated HTML and javascript pages to make log file download work.

DECT Central Phonebook - only one search result shown

JIRA: IPDECT-6176

Background:

Two contacts with the same name attributes (name and surname) but different numbers, which are queried by an IP DECT Central Phonebook search using an external LDAP server, only deliver one result.

Solution:

Duplicate LDAP search result contacts are merged.