Release notes N510 IP PRO

Software 42.262, May 2022

Bug-fixes and improvements:

- DTMF tones are not sent as "Audio" when other options are also selected
- Minor bugfixes

Software 42.261, March 2022

Bug-fixes and improvements:

- TR-069 improvements
- Support for new DECT handsets
- STUN can be disabled if needed
- Multiple bugfixes ...

Software 42.259, July 2021

Bug-fixes and improvements:

- XSI Broadsoft phonebook improvement
- Support of new handsets
- Broadsoft CLIP/CNIP size
- Other minor bugfixes ...

Software 42.258, November 2020

Bug-fixes and improvements:

- Auto-provisioning, HTTP digest use HTTP credentials before factory credentials when configured
- Support new 2021 DECT handsets
- Reboot fix
- Handset firmware update via SUOTA failed

Software 42.257, September 2020

Bug-fixes and improvements:

- TLSv1.2 for:
  - Provisioning
  - XSI Phone-books
- Register request with Authorization Digest: QOP = "auth-init"
- RFC3264 For each "m=" line in the offer, there MUST be a corresponding "m=" line in the answer
- cookie length 1024 too short
- Maxwell C behind S650 IP PRO

Software 42.250, July 2019

Bug-fixes and improvements:

- After update to 248 TLS V1.1 not default
- [XSI phonebook] Only number in search (NAME)
- Handling excessive reINVITEs with RTP sent in the wrong codec
- Re-INVITE without SDP (MoH)
- Broadsoft (XSI) - Phonebook: Not possible to dial a number from "group" directory
- Broadsoft Conference (N-way)
- Defining the time span when the device checks for updates

Software 42.248, December 2018

Bug-fixes and improvements:

- Client certificate and TLS V1.1 is enabled by default (automatically generated / enabled after update).
- DNS-SRV improvement.
- Fall-back during active call.
- Subscribe when on Failover server is send to main server.
- Saving LDAP entry in to local phone book.
- Possible reboot when dialing Feature code (#51)
- Dialing with pause "P" not possible.
- N510 Name resolution „Unknown“

Software 42.247, July 2018

Bug-fixes and improvements:

- TLSv1.1 is the default protocol when secure auto-provisioning is used (only activated after a factory reset).
- Reboot protected by PIN if default PIN code basis is changed.

- Maxwell Cordless is supported with full functionality.
- After successful call transfer, "recall" returns to transferor.
- [LDAP] Wrong characters are displayed in LDAP
- HTTP Digest authentication improvement

Software 42.245, December 2017

Bug-fixes and improvements:

- Broadsoft, every DECT handset can use there own phone-books.
- Broadsoft, default XSI URL can be changed if provider requires this.
- Bootloader, when firmware update is started, also User Agent is send.
- New search queries for SEARCH.CH
- XSI phone-books do not support special characters.
- Call lists improvement when number contains special characters.
- Repeater improvements.
- LDAP improvements.

Software 42.243, August 2017

Bug-fixes and improvements:

- DHCP option 114 improvement
- Changing ptime from 20 ms to 30ms is now possible via provisioning
- DNS SRV is now working when platform returns an Error 500
- Random Call-ID for "message-waiting" subscribe after restart
- Correction for MWI subscribe 2nd handset is only sent one time
- Provisioning, DHCP option improvements
- Local storage of Spanish language

LDAP/Online Directories:

- LDAP German characters are now shown correctly
- LDAP mobile device specific authentication problem fixed
- Reboot after LDAP request problem fixed
- Wrong display of Turkish characters in online directories fixed

Russia:

- Support Provisioning Digest
- Cyrillic characters in XML phonebook are now shown correctly

Software 42.242, June 2017

Bug-fixes and improvements:

- Broadsoft XSI Phonebooks
- Turkish language/character set also in menus/directory contents
- Turkish translations updated
- Hungary: Call progress tone scheme added
- SIP UPDATE can be enabled/disabled in Web Configurator
- Unexpected call termination after n minutes because of SIP UPDATE - '501 Not Implemented Here' - fixed
- CLIP/COLP not updated via re-invite message - fixed
- Lack of speech-path when trying to transfer call - fixed
- Remove expired/not needed certificates
- Offer current cipher suites for successful TLS handshake
- HTTPS phone-book: certificate not loaded automatically - fixed by added TLS Support switch and web configurator setting
- Device no longer goes to a loop when checking details of the first certificate
- SUOTA: Handset sends invalid SW version within SW version indication message fixed
- Web Configurator status page enhanced
    - Uptime since last power interruption
    - Details of registered handsets: product type, part-number, firmware version, connection status with check status button
- MTU negotiation (PMTUD) improved
- Blocking Register when router misses WAN link
- Send key does not work properly in "Next Call Anonymous"
- Blocked number is no longer visible in redial list
- LDAP "Service not available" - fixed

Software 42.240, November 2016

Bug-fixes and improvements:

- LDAP:
    - autolookup problem solved / LDAP buffering
    - character set problem fixed
    - various problems fixed
- SUOTA problem fixed
- Base no longer resets while specific address is set in configuration file (URL)
- Occasional reboot after 'No entries found' popup fixed
- Innovaphone PBX registration problem solved

- Web configurator also in Turkish language
- Russia: CLIP problems fixed
- Russian/Czech translations corrected
- Nordic language special characters in display name improved
- "Configuration file (URL)" input field can be locked
- Caller ID update after call forwarding behind "Deutsche Telekom Digitalisierungsbox" problem solved
- Metaswitch: Configuration file URL length enhanced to 255 characters
- SIP Authentication name field length enhanced to 74 characters
- Broadsoft: Codec renegotiation optimized
- Broadsoft: No RTP after long 'on hold' state problem fixed
- Long names in name replacement improved
- Provisioning parameter problem solved
- Provisioning handset name truncation to 9 characters problem solved
- Secure provisioning via https is now also possible when XML has more than 200 lines/parameters
- In rare cases, handset did not terminate call when external subscriber hang up behind "Deutsche Telekom Speedport 724V"
- Online directory improvements
- DNS SRV:
    - Possibility to enable in Web Configurator
    - Configuration in combination with DHCP option 120 improved
- Auerswald 5000R PBX: One way audio problem fixed

Software 42.238, May 2016

Bug-fixes and improvements:

- Handset: Software Update over the air for handsets S650H PRO (min BL60), SL750H PRO (min BL61), R650H PRO
- Handset: Full support of new R650H PRO handset
- Distinctive Ring: Distinguish internal/external PBX numbers by ringtone on handset via alert info. (Group and Door are not supported)
- CLIP/COLP update after call transfer
- Web Configurator: Turkish, Czech language added
- Web Configurator: Change default selection "Call transfer by on-hook" to yes
- Directories:
    - Now Use LDAP address book also during active call (for transfer purposes).
    - Refine search when using private phone-book fixed.
    - Character set problems fixed with Gigaset T440/T640 PBX's
- TR069: Various corrections, enhancements
- Secure provisioning error fixed
- Music on hold is now audible also after making 3rd Call Swap.
- TLS:
    - 23 new certificates added, also new root- and intermediate certificates from https://letsencrypt.org/certificates/
    - Switch to select between TLS v1.0 and TLS v1.1
    - Switch which to select which cipher suite is to be used:
        - RSA_WITH_3DES_EDE_CBC_SHA
        - RSA_WITH_RC4_128_MD5
        - RSA_WITH_RC4_128_SHA
- Russia: various bugfixes and improvements

Software 42.231, December 2015

Bug-fixes and improvements:

- New handset SL750H PRO has full compatibility
- TLS: Optimization of the "Private Key Generation" procedure
- Optimized security by disabling IP dialling
- Include MAC address in UA-header
- XML phonebook - White/Yellow pages search field: 'City' now optional
- VOIP INVITE with send only not accepted by TELEKOM server
- Only 'All DECT' handsets option is available in 'Call Forwarding' list after registration to base station
- Exception occurred when handset was deregistered or when send connections were changed
- It is not possible to set own area code number in case option 'Other Country' has been selected
- SIP/RTP port range configured in Web Configurator is not used in case of "Use random port mode = on"
- Bug in VoIP Wizard
- R630H PRO and SL610H PRO Call list is closed after few seconds
- Starface PBX manager is not working
- Unwished deleting of message waiting indicator with call lists
- Copy phone number from call list to directory is not always possible – phone comes back to Idle
- Wrong caller ID after call transfer
- TR-069: Change format of software version
- TR-069: Change ProductClass/Modelname
- Handset name provisioning with special characters leads to incorrect result in WebUI.
- Special characters are not provisioned correctly.
- BS sends Busy signal to server, when 1 call is running on INT2 and another comes in for another SIP profile on INT1, when Call waiting is deactivated.
- If INT2 is in an external call, then no external connection to INT1 is possible. INT1 is busy.

- SIP Session Timers according the RFC 4028: Session-refresh is now preferred via UPDATE, if supported by both peers

---

Software 42.210, February 2015

Bug-fixes and improvements:

- New handset support:
    - Gigaset S650H PRO full support
- Web Configurator: Firmware update page can be hidden by provisioning parameter
- SIP Session Timers implemented according to RFC 4028
- Blind transfer: Improve behavior when device is blind transferred by another party
- NL - RoutIT: 2 - 3 seconds delay of audio path after call pickup
- Broadsoft/Telepo: only 2 of 4 handsets are ringing in call group
- DTMF problem behind Sonus gateway fixed

Known Issues:

- Reboot occurs after de-registering handset
- Gigaset T300/T500 PBX: Handset name is not replaced after provisioning to Celsius server
- Copy phone number from call list to directory is not always possible – phone goes back to idle
- After firmware update system PIN is changed to default '0000'

Software 42.207, October 2014

Bug-fixes and improvements:

- Added support in TR 069 for Device.DeviceInfo.ModelName and Device.DeviceInfo.HardwareVersion
- Introduced hard-coded languages in WebUI for Germany, Polish, French, English (no need to download language package)
- Implement Periodic Inform over SSL
- Implement SW downgrade using TR069
- Multiple access to WebUI using HTTP digest (as a User and Administrator)
- WebUI HTTP digest password is in sync with TR069 connection request password
- Sending HTTP digest auth retransmission in the same TCP streams
- implemented 2-way authentication over SSL connection
- Multiple access to LDAP (only for N510)
- TR069
    - TR069 if HTTP digest has been configured together with TLS
    - Reboot and Factory Reset for Smart Motive certification
- Aligned translation for Eco Mode and Eco Mode + in WebUI to use new texts - Maximum Range and No Radiation
- Display message "Provider registration failed"
- 2 to 3 seconds delay of begin of audio path after call pickup

---

Software 42.199, June 2014

Bug-fixes and improvements:

- Config file can be downloaded direct from server (URL) not using Gigaset file structure.
- Firmware can be downloaded direct from server (URL) not using Gigaset file structure.
- Support for INVITE request with a replaces header
- Interop,URI parameter is missing
- LDAP functionality has been improved (-> LDAP-Step-by-step-Guide):
    - possible to assign username and password for each HS
    - only single access to LDAP is supported
    - added new attribute streetAddress
    - it is possible to configure maximal number of search result in WebUI for LDAP
    - additional attribute has checkmark to indicate possibility to use it as number source and start call, available via WebUI
    - introduced new default “live search” and mode switch in WebUI
        - Mode 1:(default): new character based "live search" with instant update of search results
        - Mode 2: traditional search request entry: name, city like in public directory search
- Missed Calls Counter can now be switched on/off in WebUI per account

- Corrected vCard Transfer via WebUI with special characters
- Minor bug fixes and improvements
- Timer change to 300s retry: phone fails in SIP Registration unable to be authenticated.
- No (dial)tone in certain call stages.
- When using TCP as transport protocol, the BS does not send BYE to the sip server.

Software 42.196, April 2014

Bug-fixes and improvements:

- TR069 - option 43 implemented
- Fall Back to PSTN when SIP not available
- SIP USER ID in HTTP GET request
- If protocol settings in web-interface is on TCP but DNS answers with UDP, the web-interface settings are used.
- BROADSOFT: New parameter <I_PHONE_SYSTEM>
- BROADSOFT: CHECK-SYNC processing change
- BROADSOFT: HTTP digest
- BROADSOFT: Provisioning authentication
- BROADSOFT: <MAC_ADDRESS> processing change
- LDAP: Special character search
- LDAP: Use display format entry for name replacement, header and list of results of search
- LDAP: Create setting to switch name replacement on/off
- LDAP: 12. If 'now show' flag is set, do not show the tagged entry
- LDAP setup - Username field not long enough
- Email: SSL problem solved
- No dial/ringing tone in some call status behind some providers/platforms
- Device not visible in gigaset-config.com web-site
- Auto provisioning: Device doesn't get extended profile after factory reset.
- Initial SIP request might have wrong public port, authenticated repetition is correct
- Reboot possible when call forwarding at Broadsoft (Connect with Hold)
- Reboot after SIP account registration
- When using TCP as transport protocol, the BS does not send BYE to the sip server
- HOLD "to terminal" not working properly
- Base indicates "busy" when the caller terminates the call

Software 42.194, November 2013

Bug-fixes and improvements:

- Improved handling of SIP notify messages (Call ID-changed) behind 3CX
- Device sends double DTMF tones.

Software 42.192, October 2013

Bug-fixes and improvements:

- Gigaset S820H, SL910H and SL930H now have better integration. (N300/A510IP/C610IP)
- Compatibility Repeater 2.0
- Different changes for Special PBX Vendor
- Nordics: countries call progress tones to be supported: Danish, Swedish, Norwegian, Finnish
- SIP USER ID in HTTP GET request
- Auto-provisioning - No longer is it necessary for the version value to be included in the XML. (NB But if it is included it is still a requirement that it should increment from previous version for the GET to operate)
- HTTP Digest username and Password can be changed by the web-interface.
- After 3-4 weeks handset loses connection to base
- Base reboots sporadically
- Handset disconnect for incoming and outgoing calls
- N510 breaks down during take over an incoming call with R410H

Known Issues:

- Double DTMF tones are send

Software 42.081, August 2013

Bug-fixes and improvements:

- Access code special treatment in call-list for Nordic customer.
- DTMF control already at 180 ringing state and not only after 200 ok.
- Gigaset R630 support.
- Auto-provisioning update timer no reboot needed to activate.
- TR-069 - Zero Touch Activation
- Assign NTP server via DHCP
- Possibility to accept non trusted certificates automatically
- Instability of Base-station in some environments.
- Language problem (Czech language)
- Radio-buttons for Date & Time are on wrong position

- SIP call cannot be answered when is made 2s after the last one
- New Parameters do not take effect after provisioning using plain XML content
- Changing the timer interval from 24h-random to a fix time stops the regular check
- Text on Info Services settings page is missing

Software 42.078, June 2013

Bug-fixes and improvements:

- Access code special treatment in call-list for Nordic customer

  The feature is by default disabled (not available in the WEBUI) It can be enabled via provisioning. Values which has to be adapted:

  Config Byte:

  BS_CUSTOM.ucAkzVoipNotUsedNumberLength.

  Values:

  - 0x00 – feature available in WebUI but not working
  - 0x01-0x09 – feature available in WebUI and working for numbers n-digits long and shorter
  - 0xFF – feature disabled (not available in webUI) – the default one

  Other values are not allowed

Software 42.076, January 2013

Bug-fixes and improvements:

Gigaset PBX Manager supported by PRO handsets (SL610H PRO, S510H PRO). Feature control via handset menu:

- Identity management / Hot Desking
- Calls lists
  - missed
  - incoming
  - outgoing
- DND
- Selection of CLIP number to be shown
- Group call settings
- Call divert
- Visual Voicemail
- Selective phone-book search for all available directories (also LDAP)

Enhancements:

- Teles Interoperability: various improvements
- New Firmware/Profile Update: Do not alert user by MWI notification light any more for N510 IP PRO, N300 (A) IP

BugFixes:

- tiPicall SoftSwitch interoperability: MWI for Voice Mail working again
- SMS: Problem with concatenation solved
- Broadsoft: Problem fixed with download of .xml file from server when digest username/password authentication is used

Software 42.075, December 2012

Bug-fixes and improvements:

- Version 72 problem with very sporadically occurring instability and reset of base station after intense usage solved
- Problem with call transfer of an external party to an external target behind Cisco Manager solved
- De telefoongids (Netherlands): online phonebook search is working again
- Security:
  - Password is masked in VOIP Wizard, no longer visible in clear text
  - PIN entry delayed if user enters repeatedly wrong PIN
- S68H handset: CLIP presentation is working again
- Blind Call Transfer problem solved with Telavox.se and Firmix.at
- URI dialing: Problem with added international/local area codes fixed
- Problem with consultation call and "Use Area Code Numbers for Calls via VoIP" setting fixed