

Release Note Quadro4Li 5.2.25, Edition 2

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1 Introduction

This Release Note describes hardware and software requirements to use with the

Quadro4Li software 5.2.25 Date: December 24, 2010

Additional enhancements, bug fixes and known issues incorporated in this software will be listed as known.

Date: January 13, 2011

2 Requirements

2.1 Hardware requirements

- The software can be used on all Quadro4Li models.
- The model name is written on the back plate of the unit and the model number is on the bottom label.

2.2 Software requirements

- A software upgrade can be made from 5.0.4 or later software.

2.3 Supported and Tested SIP phones

Below is the list of SIP phones with the corresponding firmware versions that supported by Epygi and are recommended for optimal compatibility with Quadro4Li.

Vendor	Model	Software
snom	300	Application: snom300-SIP 8.4.18
snom	320	Application: snom320-SIP 8.4.18
snom	360	Application: snom360-SIP 8.4.18
snom	370	Application: snom370-SIP 8.4.18
snom	820	Application: snom820-SIP 8.4.18
snom	870	Application: snom870-SIP 8.4.18
snom	MeetingPoint	Application: snomMP-SIP 8.4.18
Aastra	480i	Application version: 1.4.3.23
Aastra	9112i	Application version: 1.4.3.23
Aastra	9133i	Application version: 1.4.3.23
Aastra	9143i (33i)	Application version: 2.6.0.1008
Aastra	9480i (35i)	Application version: 2.6.0.1008
Aastra	6751i	Application version: 2.6.0.1008
Aastra	6753i	Application version: 2.6.0.1008
Aastra	6755i	Application version: 2.6.0.1008
Aastra	6757i	Application version: 2.6.0.1008
Aastra	6730i	Application version: 2.6.0.1008
Aastra	6731i	Application version: 2.6.0.1008
Aastra	6739i	Application version: 3.0.1.2024

Please Note: Any problems and limitations on the SIP phones listed below are described in detail in the **Quadro Features on Supported IP Phones** document.

Please Note: Quadro IP phones firmware control mechanism will not upgrade snom firmware version from 6.x to 7.x. This should be done manually via snom web site. Once the snom firmware version is 7.x, the Quadro's firmware control will automatically upgrade/downgrade the phone to Epygi's recommended version but not to 6.x.

In the list below are the SIP phones with the corresponding firmware versions that are tested by Epygi. The document **Quadro Features on Tested IP Phones** describes the problems and limitations on the SIP phones that have been tested by Epygi.

Please Note: snom IP phones running firmware version 8.x.x do not send the correct secure RTP media type and the Quadro rejects the call. As a result the call will fail when pressing hold or transfer. For more details and for a workaround see the item **16734** under the Known issues.

Vendor	Model	Software
Cisco	7960	POS3-07-4.00
IpDialog	ST201	Application: SipTone 1.2.0 rc Z_21
Polycom	SoundPoint IP 300SIP	Application: SIP software 3.1.1.0137
Polycom	SoundPoint IP 330SIP	Application: SIP software 3.2.2.0477
Polycom	SoundPoint IP 331SIP	Application: SIP software 3.2.2.0477
Polycom	SoundPoint IP 335SIP	Application: SIP software 3.2.2.0477
Polycom	SoundPoint IP 450SIP	Application: SIP software 3.2.2.0477
Polycom	SoundPoint IP 501SIP	Application: SIP software 3.1.1.0137
Polycom	SoundPoint IP 601SIP	Application: SIP software 3.1.1.0137
Polycom	SoundPoint IP 550 SIP	Application: SIP software 3.2.2.0477
Polycom	SoundPoint IP 650 SIP	Application: SIP software 3.2.2.0477
Polycom	SoundStation IP 6000	Application: SIP software 3.2.2.0477
Polycom	VVX 1500	Application: SIP software 3.2.2.0481
Polycom	KIRK wireless server300	PCS05B
SIPUra	SPA 841	3.1.4(a)
snom	PA1	8.4.18
snom	M3	Application: snom-m3-SIP 2.11
snom	190	Application: snom190-SIP 3.60s
snom	200	Application version: 3.56m
snom	220	Application version: 3.56m
Swissvoice	IP 10S	Application version: IP10 SP v1.0.1 b3
Thomson	ST 2030 SIP	APP Version: V2.72
Berkshire (ATL)	5000	SW version: 22102154
Grandstream	BT200	Program- 1.1.6.16
Grandstream	BT100	Program- 1.1.0.3
Grandstream	GXP2000	Program- 1.2.4.3
Grandstream	GXV3140	1.0.5.5
Grandstream	HT286	1.1.0.26
Grandstream	HT386	1.0.3.96
Linksys	SPA921	SW version: 5.1.8
Linksys	SPA922	SW version: 5.2.8
Linksys	SPA941	SW version: 5.1.8
Linksys	SPA942	SW version: 5.2.8
Linksys	SPA2002	3.1.20
Linksys	PAP2T	3.1.15(LS)
Yealink	T20	SW version: 9.43.0.30
Yealink	T22	SW version: 7.43.0.30
Yealink	T26	SW version: 6.43.0.30
Yealink	T28	SW version: 2.43.0.30
Yealink	VP-2009	22.21.0.70
Aastra	MBU400	Application version: 2.20
Telematrix	IP550 Spectrum Plus	SW version: 1.7.252.253
Telematrix	3300IP	SW version: 1.7.249.248

Both mentioned documents are available at www.epygi.com and can be found under the Channel's Portal.

Please Note: Any problems and limitations on the SIP phones listed below are described in detail in the **Quadro Features on Supported IP Phones** document. The document **Quadro Features on**

Tested IP Phones describes the problems and limitations on the SIP phones that have been tested by Epygi. Both documents are available on www.epygi.com and can be found under the Support section.

Please Note: The usage of Key System Emulation (KSE) services is limited currently to the following IP phone models with the perspective to enlarge the list with new models in the future:

- Aastra 480i
- Aastra 480iCT
- Aastra 9133i
- Aastra 9480i
- Aastra 9480iCT
- Aastra 9143i
- Aastra 55i
- Aastra 57i
- Aastra 57iCT
- Aastra 6731i
- snom 320
- snom 360
- snom 370
- snom 820

Please Note: There is an issue with duplicated keys on snom 370 phones. For details see **16753** under Known issues.

2.4 Interaction with other Quadro SW releases

QuadroFXS 16 Gateway should have SW 5.2.1 or higher for PnP configuration with the Quadro4Li SW 5.2.25.

ActiveX Control SW 5.1.1 or higher should be used with 3pCC functions with the Quadro4Li SW 5.2.25.

3 New Features History

The table below indicates a high-level list of new features that have been added beginning with the most recent Quadro4Li release.

Release	New Features
5.2.25	<p>New Quadro System Security Management page added with security diagnostics and a security audit</p> <p>Secure system mail allowing to work with TLS or SSL mail servers</p> <p>A new option in Call Routing - Local AAA Table: Authentication by PIN code</p> <p>Possibility to enable/disable TLS functionality for IP Lines and extensions</p> <p>A new option in the extension voice mail settings under the Send new voicemail notifications via e-mail, allowing differentiating between fax messages and voicemail messages when deciding whether or not to receive email notifications, with or without attachments.</p> <p>Admin password management enhanced. The admin login password for GUI access is alphanumeric and a second numerical password can be entered for accessing settings from the phone handset, such as the Auto Attendant greeting messages.</p> <p>PnP and auto configuration support for snom 821</p> <p>PnP and auto configuration support for Aastra 6739i phone</p> <p>Auto configuration support for Grandstream GXV3140 video phone</p> <p>PnP and auto configuration support for Yealink VP-2009 video phone</p> <p>Auto configuration support for snom PA1 paging system</p> <p>Polycom KIRK Wireless server 300 phone support</p> <p>Downloaded call statistics enhancements to include detailed information regarding the used interface for each call (PSTN, ISDN, etc), if call had been forwarded, transferred, etc.</p> <p>Viewing the Call Statistics on the Quadro GUI has been updated to select the number of records per page</p> <p>Full support for Secure RTP (SRTP) to encrypt voice packets.</p> <p>Full support for TLS (Transport Layer Security) protocol (RFC 2246) to provide communications privacy for the SIP messaging port over the Internet. The protocol allows client/server applications to communicate in a way that is designed to prevent eavesdropping of the SIP messages.</p> <p>HD codecs such as G.722 and G.722.1 are now supported in pass-through mode.</p> <p>Security enhancement. Password strength checking has been added in the IP Lines settings table for configuring IP Phones. The system will provide feedback on whether the chosen password is weak. An option is also provided to let the system create a strong, random password. Password strength enforcement can be configured in the hidden menu <code>generalconfig.cgi</code>.</p> <p>Security enhancement. Protection against certain SIP DoS attacks has been added by enabling the "SIP IDS" feature in the hidden menu <code>generalconfig.cgi</code>. Enabling this option will automatically block malicious IPs in the firewall.</p> <p>Global speed dialing. Configured in Telephony/Call Routing/Global Speed Dial Directory. An Excel .CSV file can be used to upload the entries in the format: Code, Number (e.g. 44, 9726921166). Each entry should be on a new line.</p> <p>Emergency Call Interrupt feature in the Caller ID based services. A new feature that will allow specific Caller Ids to be configured so that a call received from one of these numbers will immediately disconnect the call in progress and ring the user's extension.</p>

Release	New Features
	<p>System logging enhancement. If a user encounters a problem while on a phone call the pertinent details related to the call can be saved. The user will dial *82 (getting dialtone and dial *82 from the same or a different phone) as soon as the problem occurs. The details will be saved until the next time someone enters *82. When the systemlogs are downloaded it will contain the details from the most recent *82 entry.</p> <p>The voicemail to email option can now be configured in Telephony/Voice Mail Common Settings so that the subject of the email contains a user defined text along with selected system variables (e.g. caller id).</p> <p>Option to select the format of FAX in Voice Mail sent by email. Defined in Telephony/Voice Mail Common Settings. TIFF or PDF can be used.</p> <p>A prompt to the user is provided with the option to save the system configuration prior to executing a firmware update</p> <p>Authorized phones database can now be used with a custom auto attendant scenario. This allows callers to bypass authentication in custom auto attendants for user's who have been included in the authorized phone database.</p> <p>Configurable auto attendant Callback Response Delay allows users to specify a timeout before the system will try to call back the user.</p> <p>Configurable auto attendant callback activation timeout from the GUI, which allows activating automatic Call Back for trusted PSTN and SIP callers not after the one - two rings as previously defined, but during the time frame specified in the GUI. So now users can configure the activation timeout in seconds needed to wait for initiating the callback. This configuration is accessible from the hidden menu "extmanagement.cgi".</p> <p>Allow the Automatic Callback feature to be used to call back to the originating caller using the "Auto" call type. User can select "Auto" as the "Callback Call Type", while leaving the "Callback Destination" field empty. This will allow to callback to the caller using the Caller ID for callback.</p> <p>Quadro FXS gateway PnP support</p> <p>Full VLAN support for IP Phones (multiple subnets/DHCP)</p> <p>Support for T38 FAX proxy (from standalone IP Phone in the LAN to outside)</p> <p>Yealink IP phone enhancements. PnP and auto configuration support for T20, T22 and T26 models. Advanced button configuration added in the IP Line Settings. Receptionist configuration support for add on modules. A custom logo image can now be displayed.</p> <p>Polycom IP phone enhancements. PnP and auto configuration for Polycom IP335 and IP450 models. Advanced button configuration added in the IP Line Settings. Receptionist configuration support for add on modules. Custom data files for Polycom IP phones can now be uploaded from the hidden menu ipphonesdirectory.cgi.</p> <p>PnP and auto configuration for Aastra 6730i phone</p> <p>PnP and auto configuration for snom 870 and snom MeetingPoint</p>
5.0.26	Auto configuration support for the following Linksys IP phone models: SPA941, SPA942, SPA921, SPA922
5.0.7	<p>Key System Emulation (shared line appearance)</p> <p>18 IP lines, 10 lines by default, possibility to activate 8 additional lines with license key (without SLA support)</p> <p>Receptionists' Call Queue</p> <p>Extension Status Monitoring</p> <p>Call Interception</p> <p>Direct Transfer to Voicemail</p>

Release	New Features
	Simultaneous Ring
	Call Park
	Call Pickup
	SIP Tunneling
	Paging support with 3 rd party devices
	Plug and Play for supported IP phones
	Simplified installation (auto configuration) for tested IP phones
	User Rights Management
	Silent VM recording option in the Voice Mail Settings
	Support for an External Voicemail System
	Custom Profiles for Voice Mail Settings
	Proprietary method for Remote Extension to bypass certain types of NAT (Symmetric RTP)
	Status for Registered IP Lines and Remote Extensions
	Readable Transfer statistics
	New voice mail notifications via e-mail, via phone call and via SMS
	Universal extension recording (music on hold, VM greetings, incoming/outgoing blocking messages)
	Sending unified fax message from mailbox to fax machine
	System events reporting
	Kickback feature on IP lines
	snom and Aastra phones automatically reboot when the Quadro is rebooted
	IP phones do not lose registration after Quadro soft reboot (i.e. if the reboot is not initiated by disconnecting/reconnecting the power or pressing the reset button on the back of the Quadro)
	Possibility to upload and customize system messages (in the uploadmessages.cgi hidden page)
	Attendant Ringing Announcement for both default and custom AA scenarios
	Possibility to change the default memory size to be allocated as a temporary storage for unified FAX message (in the extmanagement.cgi hidden page)
	Support for HotCall Add-In
	SIP Address Resetting function in the Extensions Management for restoring the default SIP settings of extensions

Release	New Features
	Possibility to change static, running logos, links and browser mini logo (accessible from loadlogo.cgi hidden page)
	Possibility to change the signaling procedure for hold process in case the "Send Hold Music to Remote Party" is enabled on the extension
	Initial VM Setup via Phone
	3rd Party Call Control
	Flexible Numbering Plan for extensions
	Download IP phone FW and Reboot of Aastra/snom IP Phones
	Download Quadro Directory via XML to snom/Aastra phones
	Automatic Quadro FW update
	Easier GUI for forwarding lists
	Force release a call from Active Calls page
	Use List package for OCM/Quadro notifications
	Distinctive ringing on snom and Aastra IP phones
	Play custom message instead of ring back tone on Auto Attendant
	Send EVENTS via SMS
	CDR Tags for Billing
	Enhanced DNS/DHCP settings
	Daylight savings adjustment
	SMS and E-mail notification about the call forwarding
	Change extension password from phone handset
	Access to extension voice mailbox from outside by the office
	Configuration management
	Legible configuration
	Automatic backup and download of configuration
	OCM centralized licensing included
	SNMP support for event monitoring
	Intercom service (for supported IP phones)

Release	New Features
	Paging group service (for supported IP phones)
	Redirection on timeout to the specified address if no action on the AA welcome message
	AA welcome and menu messages enabling/disabling capability
	Call queue for virtual extensions
	Toggling for call routing entries from the handset
	Retrieve timeout configuration for parked call
	SDMF Caller ID standard
	Voice activity time-out option available for Call Routing entries
	Capability to make SIP calls using TCP as a transport protocol
	"Client Code Identification" feature on routing rule (with RADIUS enabled)
	PSTN call instant Call Back
	Support of 2-stage dialing for ISDN BRI
	SIP P-Asserted-Identity support for SIP calls to ISDN network
	ISDN NT Mode

4 Changed Features History

The following table provides a high-level list of changed features that have been changed beginning with the most recent Quadro4Li release.

Release	Changed Features
5.2.25	Extension Login permission to access the Quadro GUI. The login is disabled by default for all extensions.
	Multiple DHCP subnet support (two subnets allowed instead of one, making it possible to have about 500 devices getting DHCP from Quadro).
	The "Send Hold Music to remote IP party" is enabled by default in the Basic services for extensions
	The Developer Logging is enabled by default
	Changed the behavior of intercom and paging to not interrupt current active call by default
	Intercom option has been changed so that an audible sound is now provided to the called phone to alert the person when the microphone is opened.
	Indication of BLF/MWI subscription count and raising an event if the upper limit is reached
	Allowing to have multiple recording sessions regardless of the "max mail/recording duration" setting on the VM
The Secure RTP options in the Extension Codecs are available when editing multiple extensions at the same time.	

5 Fixed Issues

Issues fixed since version 5.0.26:

Expansion Module's page for snom 320 is empty in the Receptionist Wizard		16142
D:	The expansion module's page of Receptionist Phone Configuration Wizard is empty and not showing the functional key configuration fields for snom320	
C:		
The firmware version control fails to change the firmware on Astra phones		16369
D:		
C:		
Call fails when calling from an IP phone to the Astra6731i in the paging group		16294
D:	If Astra6731i IP phone is on a call and someone calls to the paging group, the call is put on hold and can't be retrieved.	
C:		
Extension watching stops functioning on a receptionist phone after running system configuration wizard		14828
D:		
C:		
The online help for the call statistics is missing for user login		16117
D:		
C:		
An issue with watching the virtual extension in a specific scenario		16527
D:	Scenario: <ol style="list-style-type: none"> 1. The Many Extension Ringing service is activated on a virtual extension for parallel ringing on several phones in case of an incoming call 2. The voice mail service is disabled on that virtual extension. 3. The extension watching is configured for that virtual extension on another IP phone. 	
C:	When a call comes to the virtual extension but nobody answers, Quadro terminates that call after the specified timeout, but the ringing state of the virtual extension is not turned off on the watching IP phone.	
The Port Forwarding service configured in the Filtering Rules - Incoming Traffic/Port Forwarding may stop functioning after working for a while		
D:		
C:		
The description for the feature code *75 (Administrator's Login) is incorrect regarding the option 3 "Modify Universal Extension Messages"		16470
D:	The word "Record" should be "Restore" in: <ul style="list-style-type: none"> • Record System Default GM, • Record System Default IBM, • Record System Default OBM, • Record System Default OFM 	
C:		
It is not possible to customize the hold music for SLA calls		14154

D:	Scenario: It is not possible to customize the hold music played when holding the SLA call.
C:	
Shared mailbox users don't get new VM notifications 16047	
D:	Extensions sharing the mailbox don't get notifications (both MWI and BLF) about new mails arriving to the mailbox
C:	

6 Known Issues

- D: Description
 C: Consequences
 F: How to avoid the situation, or what to do in case the situation has occurred.

It is impossible to login as 'admin' after making changes on "Advanced PPP Settings" page		9549
D:	You cannot login to the Quadro as 'admin' after making changes on the "Advanced PPP Settings" page. You can only login as 'user'.	
C:	No consequences	
F:	Restart the Quadro to resolve this.	
One way audio with IPsec VPN in the scenario "Gateway<->Remote Subnet"		9327
D:	Scenario: <ol style="list-style-type: none"> 1. Establish an IP-Sec connection between two Quadros (connection type is "Quadro <-> Remote Subnet"). 2. Make an SIP call from Quadro1 (gateway) to Quadro2 (remote subnet). 	
C:	The call is established, but there is no audio in Quadro1. The same result will occur when calling from Quadro2 to Quadro1. A direct call cannot be established at all.	
F:	Add an additional "Quadro <> Remote Gateway" tunnel in IPsec configuration. With two tunnels: "Quadro <> Remote Gateway", "Quadro <> Remote Subnet" in IPsec VPN configuration this issue will resolved.	
Call interception fails in a specific scenario with a watched extension in the many extension ring list		9399
D:	Scenario: <ol style="list-style-type: none"> 1. Use Snom360 for receptionist extension (for example, extension #31), 2. Configure Many Extension Ringing on ext. #31 with extensions #31 and #12 in the MER list, 3. Configure extensions #11 and #12 as watched extensions, 4. Make a call to extension #31, 5. The phones for extensions # 31 and #12 will start ringing. 6. The programmable key for the ext. #12 is flashing on the receptionist's ext. #31, 7. Pressing that key the receptionist stops ringing, but ext. #12 is still ringing, 8. Hang-up the phone for that caller's extension. 	
C:	Call interception on the receptionist's line fails. The light for ext. #11 will stay ON on the ext. #31.	
F:	This problem is specific for Snom phones only. When using a Snom phone, calls should be answered on your own extension and not the watched extension.	
Firmware update cannot be completed when "High availability" is enabled in SIP Settings page		12306
D:	Scenario: <ol style="list-style-type: none"> 1. Using SIP Timers radio button in Telephony-SIP Settings, define the timeouts of the SIP messages retransmission as "High availability". 2. Try to make firmware update. 	
C:	Firmware update will hang and not complete	
F:	Set the SIP Timer to RFC3261 standard before firmware update. Under investigation, will be fixed in the future releases.	

An issue with configuring IP phones as local extensions for Quadro IP PBX		13471
D:	Plug and Play and Auto configuration of IP phones isn't possible with changed "HTTP Server Port" on the Quadro.	
C:		
F:	Add the changed http port value in the "option tftp-server-name" row ("dhcpd.conf.lan" file) for each IP phone. Example: "option tftp-server-name "http://172.30.38.1:8080". Will be fixed in the future releases.	
Call disconnect on the Aastra IP phones		13773
D:	Scenario: <ol style="list-style-type: none"> 1. Aastra IP phone is configured as a local extension on the Quadro 2. "Use Session Timer" option is selected for the IP line attached to the Aastra IP phone. 	
C:	Call received on the Aastra phone is disconnected after 4 minutes 50 seconds. This is an interoperability issue between Quadro "Use Session Timer" functionality and the Aastra's currently recommended firmware.	
F:	Disable "Use Session Timer" option for that IP line. Under investigation, will be fixed in the next release.	
An issue with distinctive ringing on the snom and Aastra IP phones		11519
D:	Snom and Aastra phones ring only once if the distinctive ringing is enabled with the "winter" ringing pattern.	
C:	No consequences	
F:	Use other ringing patterns for distinctive ringing.	
Impossible to track who answered the call coming to SLAs		14156
D:	Scenario: When Quadro is configured in Key System Emulation mode and incoming FXO call is answered by the phone, it is not possible to track from the active call list or call statistics pages who answered the calls.	
C:		
F:	Under investigation, will be fixed in the next release.	
When taking the held call on the SLA line from another phone, the CallerID is wrong		14016
D:	Scenario: Instead of the original caller's CallerID being displayed, a SLAX is displayed.	
C:		
F:	Under investigation, will be fixed in the next release.	
Call Interception doesn't work on GrandStream GXP2000 configured as receptionist, when extensions watched on expansion module		14797
D:		
C:		
F:	Use basic 7 keys instead of expansion module. Will be fixed in the future releases.	
It is impossible to pickup (via pickup group or extension watching) the call to extension with Find Me/Follow Me enabled		15942
D:		
C:		
F:	Will be fixed in the next releases.	
Any change in the Quadro LAN IP configuration makes it impossible to use the auto configuration for supported IP Phones		16037
D:	Changing the LAN IP or Subnet Mask in Quadro LAN IP configuration makes it impossible to use auto configuration for supported IP Phones	

C:	
F:	Discard the changes to resolve this issue. Will be fixed in the next releases.
An issue with the Emergency Interrupt feature on snom IP phones 16391	
D:	The Emergency Interrupt fails when Snom phone is in a 3-way call. Instead of ringing the phone call goes to VM directly
C:	
F:	Will be fixed in the next releases.
A problem with "Remove VM On Send" option in Voice mail settings 16432	
D:	If this option is enabled new VMs are removed from the extension mailbox even if sending the new VM via e-mail fails because the mail server is unreachable or mail address is incorrect
C:	
F:	Will be fixed in the next releases.
An issue when using the variable "Date" in the subject of voice mail send by email 16150	
D:	If the subject \${VM_DATE} is placed at the end of the subject line, then Voice Mail will not send as an attachment.
C:	Add an underscore (_) after the \${VM_DATE}. Or put the \${VM_DATE} in the beginning or between other subjects in the subject line.
F:	Will be fixed in the next releases.
MAC address recognition problem in the FXS Gateway Management" page 16468	
D:	In the page Line Settings-> IP Line Settings->FXS Gateway Management, if FXS Gateway is added manually, the system can't recognize MAC address of FXS Gateway entered in uppercase.
C:	As a result the "Edit" and "Reboot" functional buttons become unusable that makes not possible to edit existing records or reboot the registered FXS Gateways.
F:	Enter the MAC address in lowercase. Will be fixed in the next releases.
A problem with incoming Secure RTP call in a specific scenario 16533	
D:	When incoming Secure RTP call is connecting to the destination via Call Routing table, Quadro always tries to connect it as an un-secure call and the call is being dropped due to the media parameters incompatibility.
C:	
F:	Will be fixed in the next releases.
Some of the functions in the Programmable Keys Configuration page for IP lines are not working for Polycom phones 16682	
D:	The "Speed Dial" and "Call recording" features are not working for Polycom phones when configured in the Programmable Keys Configuration page
C:	
F:	Do not use Call Recording function in Programmable Keys Configuration page, to start call recording manually on Polycom phone during the call use the soft key buttons "More" and then "Recording". Will be fixed in the next releases.
Find me/follow me doesn't work for incoming Secure RTP call 16683	
D:	Though the call came with SRTP option the FM/FM is making unsecure calls
C:	As a result the call isn't established
F:	Will be fixed in the next releases.
The call will fail when pressing hold or transfer on snom IP phones using firmware version 8.x.x 16734	
D:	This problem will happen if one of options: "make unsecure calls, accept anything" or "try to establish secure calls, accept anything" is used in Secure RTP settings for the extension.
C:	

F:	Configure the Secure RTP settings for extension in the Quadro to make and accept only unsecure or only secure calls. This would need to be changed on the codec settings for every extension. Will be fixed by snom in the future firmware versions.
An issue with duplicated keys on snom 370 phones 16753	
D:	Quadro4Li is in Key System Emulation mode. When pressing one of the Shared Line Appearance (SLA) keys, a second key on the phone is also lit. E.g. Pressing key 6 will also light key 4, pressing key 5 will also light key 3, etc.
C:	
F:	Should be fixed by snom in the future firmware versions.

7 Upgrading Instructions

In general, the configuration of a system will remain after the software update.

7.1 Technical Advisory

Attention: For manually configured IP phones, it is now required to have the **SIP Registration Timeout** parameter set to 120 seconds or more on your IP phone. Values less than 120 seconds will not be accepted by the Quadro and will cause the IP phone registration failure on the Quadro.

7.2 General hints

It is recommended to execute the update by downloading the software first to a PC located in the LAN of the Quadro and perform the firmware update from the LAN side. This is to ensure that the Internet connection will not affect the upgrade process.

Remember that some data is lost during upgrade:

- **Call Statistics**
Workaround - to save the existing call statistics, download it to the PC from Call Statistics-Statistics Settings before performing the firmware update.
- **Voice mails**
Workaround – save the recorded voice mails from the Voice Mailbox before performing the firmware update.
- **All custom voice greetings**
Workaround – backup and download all configuration and voice data to a PC.
- **All custom recordings for the custom Auto Attendant**
Workaround – backup and download all configuration and voice data to a PC
- **Transfer statistics for the network**
- **Event log**
- **DHCP leases**

The following steps describe how to correctly perform the firmware update to avoid losing the custom voice greetings and recordings for custom auto attendants:

- Save the current configuration by doing a Backup and Download of all config and voice data (System/Configuration Management-Backup and download all config and voice data).
- Perform the Firmware Update.

All custom voice greetings and all recordings for the custom Auto Attendants can be restored by uploading the configuration that was saved in Step 1 (System/Configuration Management- Upload and Restore all config and voice data).