Release Note Quadro4Li 5.3.72, Edition 2

1 Introduction

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

Quadro4Li software 5.3.72 Date: March 30, 2015

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

Date: August 31, 2015

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 IP Phones

Listed below are the Epygi Supported IP phones with the corresponding firmware versions that are tested and recommended for use with Quadro4Li SW 5.3.72. All the phones in this list can be automatically configured to work with Quadro4Li SW 5.3.72.

Please Note: For most IP phones the Quadro4Li supports both the Plug-and-Play (PnP) and the auto configuration options. For some specific phones only the auto configuration option is supported. The configuration options for each specific IP phone is described in detail in **Configuring Epygi Supported IP Phones** document.

Please Note: Any known issues and limitations regarding the usage of the Quadro4Li SW 5.3.72 telephony services and features for each IP phone is described in detail in the **Epygi IP PBX Features on Epygi Supported IP Phones List** document.

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

Vendor	Model	Software Version
Aastra	6757iCT(57iCT)	2.6.0.2019-SIP
Aastra	9480iCT(35iCT)	2.6.0.2019-SIP
Akuvox	SP-R53P	53.0.1.23
Alcatel	Temporis IP200	13.60.0.89
Alcatel	Temporis IP600	14.60.0.89
Alcatel	Temporis IP800	15.60.0.89
AudioCodes	310HD	1.6.0_build_37
AudioCodes	320HD	1.6.0_build_37
Cisco	SPA303	7.4.9c
Cisco	SPA501G	7.4.9c
Cisco	SPA509G	7.4.9c
Cisco	SPA525G2	7.4.9c
Fanvil	C58/C58P	2.3.233.129
Fanvil	C62/C62P	2.3.235.128
Fanvil	F52/F52P	2.3.123.78
Grandstream	GXP1400	1.0.6.7
Grandstream	GXP1405	1.0.6.7
Grandstream	GXP1450	1.0.6.7
Grandstream	GXP2000	1.2.5.3
Grandstream	GXP2100	1.0.6.7
Grandstream	GXP2110	1.0.6.7

Vendor	Model	Software Version
Grandstream	GXP2120	1.0.6.7
Grandstream	GXP2124	1.0.6.7
Grandstream	GXP2130	1.0.3.9
Grandstream	GXP2140	1.0.3.9
Grandstream	GXP2160	1.0.3.9
Grandstream	GXP2200	1.0.3.25
Grandstream	GXV3140	1.0.7.3
Grandstream	GXV3175	1.0.3.22
Mitel (Aastra)	6730i	2.6.0.2019-SIP
Mitel (Aastra)	6731i	2.6.0.2019-SIP
Mitel (Aastra)	6735i	3.2.2.7137-SIP
Mitel (Aastra)	6737i	3.2.2.7137-SIP
Mitel (Aastra)	6739i	3.2.2.2088-SIP
Mitel (Aastra)	6753i	2.6.0.2019-SIP
Mitel (Aastra)	6755i	2.6.0.2019-SIP
Mitel (Aastra)	6757i	2.6.0.2019-SIP
Mitel (Aastra)	9143i	2.6.0.2019-SIP
Mitel (Aastra)	9480i	2.6.0.2019-SIP
Panasonic	KX-TGP550T04	12.17
Panasonic	KX-UT123	01.061
Panasonic	KX-UT123NE	01.221
Panasonic	KX-UT136	01.061
Polycom	SoundPoint IP 330SIP*	3.3.5.0247
Polycom	SoundPoint IP 331SIP*	3.3.5.0247
Polycom	SoundPoint IP 335SIP*	3.3.5.0247
Polycom	SoundPoint IP 450SIP*	3.3.5.0247
Polycom	SoundPoint IP 550SIP*	3.3.5.0247
Polycom	SoundPoint IP 650SIP*	3.3.5.0247
Polycom	SoundPoint IP 670SIP*	3.3.5.0247
Polycom	SoundStation IP 5000*	3.3.5.0247
Polycom	SoundStation IP 6000*	3.3.5.0247
Polycom	VVX 1500*	3.3.5.0247
Polycom	VVX 300/310	4.1.7.1210
Polycom	VVX 400/410	4.1.7.1210
snom	300	8.4.35
snom	320	8.4.35
snom	360	8.4.35
snom	370	8.4.35
snom	710	8.7.3.15
snom	720	8.7.3.15
snom	760	8.7.3.15
snom	821	8.4.35
snom	870	8.4.35
snom	m9	9.4.7
snom	MeetingPoint	8.4.35
snom	PA1	8.4.35
Spectralink	KIRK Wireless Server 300	PCS14C_
Spectralink	KIRK Wireless Server 6000	PCS14C_
Yealink	SIP-T19P	31.72.0.1

Vendor	Model	Software Version
Yealink	SIP-T20P	9.72.0.1
Yealink	SIP-T21P	34.72.0.1
Yealink	SIP-T22P	7.72.0.1
Yealink	SIP-T26P	6.72.0.1
Yealink	SIP-T28P	2.72.0.1
Yealink	SIP-T32G	32.70.0.130
Yealink	SIP-T38G	38.70.0.125
Yealink	SIP-T41P	36.72.0.1
Yealink	SIP-T42G	29.72.0.1
Yealink	SIP-T46G	28.72.0.1
Yealink	VP530	23.70.0.40
Yealink	W52P	25.30.0.20

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.

Please Note: In the model's list the Polycom phones with (*) sign are also presented as **Polycom-xx-Pre-3.3.0** due to backward incompatibility of UC Software 3.1.1 configuration. It is recommended to use **Pre-3.3.0** models with Application SIP software 3.2.2.0477.

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:

Vendor	Model	Software Version
Aastra	6757iCT(57iCT)	2.6.0.2019-SIP
Aastra	9480iCT(35iCT)	2.6.0.2019-SIP
Mitel (Aastra)	6730i	2.6.0.2019-SIP
Mitel (Aastra)	6731i	2.6.0.2019-SIP
Mitel (Aastra)	6735i	3.2.2.7137-SIP
Mitel (Aastra)	6737i	3.2.2.7137-SIP
Mitel (Aastra)	6739i	3.2.2.2088-SIP
Mitel (Aastra)	6755i	2.6.0.2019-SIP
Mitel (Aastra)	6757i	2.6.0.2019-SIP
Mitel (Aastra)	9143i	2.6.0.2019-SIP
Mitel (Aastra)	9480i	2.6.0.2019-SIP
snom	320	8.4.35
snom	360	8.4.35
snom	370	8.4.35
snom	710	8.7.3.15
snom	720	8.7.3.15
snom	760	8.7.3.15
snom	821	8.4.35
snom	870	8.4.35

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 Epygi Softwares

- **QuadroISDN** or **QuadroFXO** gateways used in the shared mode should have SW 5.1.12 or higher to achieve maximum feature functionality with the Quadro4Li SW 5.3.72.

- **QuadroFXS 16** gateway should have SW 5.2.1 or higher for PnP configuration with the Quadro4Li SW 5.3.72.

- **QuadroMFXS 26** gateway should have SW 5.2.6 or higher for PnP configuration with the Quadro4Li SW 5.3.72.

- **ActiveX Control** SW 5.7.0 or higher should be used with **3PCC** functions with the Quadro4Li SW 5.3.72.

- **Auto Dialer** SW 1.0.11 or higher should be used with Quadro4Li SW 5.3.72.

- **Desktop Communication Console (DCC)** SW 1.13 or higher should be used with the Quadro4Li SW 5.3.72.

- **QX-Quadro Configuration Console (QCC)** SW 2.1 or higher should be used with the Quadro4Li SW 5.3.72.

- **HotCall Add-In** SW 2.3 or higher should be used with the Quadro4Li SW 5.3.72.

- **HotKeyCall** SW 1.10 or higher should be used with the Quadro4Li SW 5.3.72.

- To use Quadro4Li SW 5.3.72 with a **3PCC** or **Click2Dial** application the **3pcc/Click2Dial Login Allowed** checkbox should be enabled for each extension(s) using this feature.

- **Epygi Media Streamer (EMS)** SW 2.4 or higher should be used with the Quadro4Li SW 5.3.72.

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 SW release.

Release	New Features
5.3.72	Added programmable keys configuration support for Cisco SPA IP phones: 303, 501, 509 and 525.
	Added PnP and auto configuration support for the new Grandstream GXP2130 IP phone.
	Added Receptionist support for Grandstream GXP2140 IP phone.
5.3.63	Added PnP and auto configuration support for the new Yealink T19P, T21P, T41P, T42G IP phones.
	Added auto configuration support for the new Fanvil F52/F52P, C58/C58P IP phones.
	Added PnP and auto configuration support for the new Grandstream 2140, 2160 IP phones.
5.3.62	
5.3.61	Added support for the new **iQall** application.

Release	New Features
	Added support for **Mobile Toggling.** This is a licensed feature and allows to switch the active call from the desk phone to an **iPhone/Android** running the **iQall** application and vice versa, without disconnecting the call in progress.
	Added PnP and auto configuration support for the new Akuvox SP-R53P IP phone.
	Added support for failover to the next DNS SRV path when making SIP calls. The **SIP DNS SRV Failover Timeout** can be configured in the hidden menu generalconfig.cgi.
	Added PnP and auto configuration support for the new Grandstream GXP2200 IP phone.
	New **Ignore Empty Channel Identification in CALL PROCEEDING Msg** checkbox in the ISDN trunk advanced settings.
	Class of Service (CoS). Each extension can be assigned a CoS that will allow the use of Call Routing entries with the matching CoS assigned.
	Added PnP and auto configuration support for new IP phones: Polycom VVX 300/310, 400/410, Aastra 6735i, Yealink T46G and Grandstream GXP2200.
	The **call back number** can be configured for Call Park extensions after the park timeout expires.
	Added possibility to paste copied IP addresses, instead of typing it manually.
	Added authorization details for all **SIP request** messages.
	Auto provisioning improvement of Cisco SPAxxx phones in case of 3rd party DHCPs.
	New **Overall Calling Time Limit** feature. This feature allows a total call duration for all calls to be configured over a specific time frame for each Call Routing entry. Once the total duration has been reached, the entry can be disabled, allowing calls to use the next available route.
	Added **RTP Channel** option in the Attendant Ringing Announcement.
	An option in the **generalconfig.cgi** hidden page was added to remove the **Diversion** header from SIP Invite messages sent out from the Quadro. If an incoming call is being forwarded back to the PSTN, the Quadro will add the **Diversion** header into the outgoing SIP Invite. However, many ITSPs do not support this and reject the call if the **Diversion** header is present.
	Added PnP and auto configuration support for the new Aastra 6737i and Yealink W52P IP phones.
5.3.20	A new warning in the security audit for the case when the filtering on the routing rule is enabled, but the Source Call Type is set to anything but PBX.
	New **Automatic Fax Receiving** Mode.
	A new feature code ***84** for manually configuring and switching no answer call forwarding on the phone handset.
	New **URL** functionality in IP phones advance settings.
	Yealink IP phone configuration support enhanced to auto-detect the phone firmware and to provide the proper configuration.
	The injected DTMF duration and pause is now configurable from GUI in the hidden menu **fxocfg.cgi**.
	Added support for the new **Desktop Communication Console (DCC)** application (with a license key).
	The **Caller ID Based Services** are improved by adding the presence state of the extension for use with the DCC application.
	Extension watching permission in the **Extensions Management→Edit entry** page. The watching is enabled by default for all local PBX extensions.

Release	New Features
5.3.10	The maximum number of active calls in Find Me/Follow Me FM/FM is now configurable. If the number is set to **1** then only one active call will be possible and the next call will go to voice mail. If that number is >1 then the next call will ring the FM/FM phones which are not on a call.
	Added option for the **Auto Attendant Customized Scenario** to download the generated script in **VXML** format.
	Added capability to activate **Voicemail profile** based on **Caller ID** and **Presence** state.
	Added PnP and auto configuration support for the new snom 720, snom 760, Yealink T32G, Yealink T38G, Yealink VP530 IP phones.
	The **ZeroOut redirection** in the Call Queue settings is modified with a new option to redirect the call to the Voice Mail of the extension, or to another destination.
	Added **Collect call** feature for calls to ISDN PRI/BRI.
	LDAP support for Yealink IP phones.
	The **Call Park** feature has been expanded with a Directed Call Park method. This allows users to define the call park extension they wish to park the call on. There are two methods available: • Hold the current call, and then dial the call park extension number. • Assign the call park extension to a key on the phone and then, just press the key during an active call.
	New **Call Intercept** feature. A new feature code has been added allowing users to dial ***94** followed by the extension number to intercept an inbound call on another extension.
	IP Phone Key Assignment Templates are now available to define a set of extensions mapped to keys on IP phones. These templates can be used for multiple IP phones to streamline installation and configuration of multiple phones.
	The FM/FM announcement message is now customizable. Users can remove the message, use the default, define a new recording or use music on hold.
	Added the option to review and modify the system default FM/FM welcome message like other universal extension messages using the admin ***75** feature code on the phone.
	Added the option to review and modify the user's personal FM/FM welcome message like other personal greeting messages using the extensions ***0** feature code on the phone.
	Added support for **P-Asserted-Identity** header field defined in RFC 3325. This is important to retain original caller information even after a call is transferred within the office.
	Statistics gathered from the FM/FM have been improved for greater visibility of call flow.
	Added auto configuration support for the new snom m9, Panasonic KX-TGP550T04, KX-UT123-B, KX-UT136-B, AudioCodes 320HD and 310HD IP phones.
	A new option to use RTP streaming channel for playing **Hold Music** is added to the **Universal Extension Recordings** configuration page. This allows using an external RTP as default Hold Music for all extensions.
	Intercom settings are improved. Now it will be possible to define whether the phone should make a sound when Intercom is activated. The default is silence.
	Added support for **T.38 faxing** on IP lines for use on devices such as an **ATA** for faxing.

Release	New Features
5.3.10	The **VoIP carrier wizard** is improved which allows creating the outbound routing rules not only by prefix but also by **7** and **10** digit pattern.
	A new warning in the security audit for the case when the filtering on the routing rule is enabled, but the Source Call Type is set to anything but PBX.
	A new **MS Exchange Server** option has been added in the **Use External Voice Mail** settings for extension. This allows keeping recorded voice messages into one universal inbox.
	Added PnP and auto configuration support for Grandstream GXP1400,1405,1450, 2100 and 2110 IP phones.
	Added auto configuration support for the new Polycom KIRK Wireless server 6000 IP phone.
	Security enhancement. A new security check has been added to prevent an external **3PCC** or **Click2Dial** application from using any of the Quadro features unless specifically authorized from the user's extension settings. The new option (**3pcc/Click2Dial Login Allowed**) is displayed when doing an edit on the extension and is disabled by default. **Please note:** If the Quadro extension is currently being used with some **3PCC** or **Click2Dial** application, then this option will need to be enabled after the firmware update or the feature will no longer work. Epygi applications that use 3PCC, such as **HotCall** and **HotKeyCall**, do not rely on this setting to be enabled to work.
	Auto Attendant Customized builder to create **Interactive Voice Response (IVR)** scenarios from the Quadro GUI.
	Support for the new **Auto Dialer** application (with a license key).
	Added **TDVC** and **H.263+** codecs support.
	Language pack support for Polycom IP phones. Polycom phones change the GUI to the installed custom language.
	Local Admin password management enhanced. The local 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.
	The **Administrator password** for phones is added as an item in the security audit.
	Added auto configuration support for Cisco SPA303, SPA501G, SPA509G, SPA525G2 IP phones.
	Added PnP and auto configuration support for the new Grandstream GXP2120 and GXV3175 IP phones.
	Added PnP support for the new Grandstream GXV3140 video phone.
	Added PnP and auto configuration support for Yealink VP-2009P video phone .
	Added the **falsealertmsg.cgi** hidden page to make timeout for false **ALERT** message configurable. So that Quadro4Li may send to ISDN false **ALERT** message after some timeout (defined in timeout value) if ISDN side does not receive any ringing from Quadro4Li's high level applications.

4 Changed Features History

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

Release	Changed Features
5.3.72	Recommended firmware versions for Grandstream GXP 1400, 1405, 1450, 2100, 2110, 2120, 2124 have been changed from 1.0.4.9 to 1.0.6.7.
	Aastra IP phones (6730i,6731i,6735i,6737i,6739i,6753i,6755i,6757i,9143i and 9480i) have been renamed to Mitel (Aastra) 6730i, 6731i, 6735i, 6737i, 6739i, 6753i, 6755i, 6757i, 9143i and 9480i.
	Polycom KIRK Wireless Server 300, KIRK Wireless Server 6000 stations have been renamed to Spectralink KIRK Wireless Server 300 and Spectralink KIRK Wireless Server 6000 accordingly. Please Note: Quadro4Li doesn't support the KWS's redundancy feature for these stations.
	The max number of Line appearance for SPA525G2 is changed from 2 to 10.
	New parameters have been added to Aastra IP phones templates.
	Recommended firmware versions for Grandstream GXP2140, GXP2160 have been changed from 1.0.2.9 to 1.0.3.9.
	Changed the behavior for Polycom phone display in case of incoming calls to watched extensions. Show or not the call appearance/caller's ID on incoming calls to watched extensions is configurable now.
	The User Name is changed to User Name/DID Number in the SIP Registration Settings for extension. Beside the registration user name on the SIP server, DID number from ITSP is supported also.
5.3.63	The SMTP Host field in System Mail Settings has been extended to 48 characters long.
5.3.62	
5.3.61	Changed the Access List function for Call Park extensions to be similar to Call Pickup. If a password is set for the Call Park extension, when the parked call is answered the system will prompt for a password only if the user's extension is not listed in the access list.
	The method for using VLANs to configure the IP phones has been enhanced to allow the phones to be switched from the VLAN to the LAN or WAN without having to do a factory reset on the phone, which is currently required. The enhancement will not affect currently configured IP Phones using the VLAN.
	New parameters have been added to Yealink IP phones templates.
	Possibility to pass PIN description to the CDR downloaded file.
	For Time Limited Call routing entries the weekly/monthly start day has been added.
	Quadro LOGO is changed.
	Line appearance is set to 4 for KX-UT133/KX-UT136 phones.
	Added display names after extension numbers in the Many Extension Ringing groups, allowing users to easily find the desired extension.
	Added display names after extension numbers in the Auto Attendant Create Scenario page, allowing users to easily find the desired extension.
	The Grandstream GXP2124 phone is added to the phone model list for the Receptionist Configuration Wizard.
	Added VoIPVoice.it as a new carrier to the VoIP Carrier Wizard list.

Release	Changed Features
	Improvement on **Caller ID Based Services** page. Now user is able to navigate to the appropriate setting by clicking the links on the **ON/OFF** status of the service.
	When configuring an IP phone in the **IP Line** settings, it is now possible to paste a copied MAC address for the IP phone.
	Changed the behavior when making changes to parameters that require the IP phone to be rebooted to take effect. The system will prompt to reboot the IP phones after changing the **SRTP** policy, IP phones template, transport type, and the registration username and password.
	The **IP Lines Settings** table is now scrollable. Disabled IP lines are hidden from the list by default.
	Improved the way **Day/Time settings** are shown on the Call Routing GUI. When there is no rule with Time of Day set, the DT column and the DT description in the glossary are removed from the bottom of the page. Also, the Call Routing Table's brief view will now show an icon of a clock in the DT column.
	The **VLAN Settings** page has been moved from **DHCP Settings for the VLAN Interface** as a submenu to the **Network** in the main menu.
	Added **Use RTP proxy** mode in Call routing for PBX type calls.
	snom PA1 template enhancement: **Intercom Policy** has been added for snom PA1. Its default value is set to **off**.
	Distinctive Ring tones have been changed for Yealink phones.
	snom 7xx phones (720 & 760) have been upgraded to FW version 8.7.3.15.
	Recommended FW version for Yealink T3X and VP530 phones is updated to public Version 70 (3x.70.0.100/23.70.0.40 accordingly).
	New FW recommendations for Aastra, Grandstream, Cisco and Yealink IP phones.
	Added **Speed dial** based services for Polycom.
	Added **Park**, **DirPckUp**, **Bargeln** soft keys on Polycom UCSoftware.3.3.1 or higher.
	Language Pack update for Aastra, Alcatel, Grandstream GXP2000 and Polycom (FW 3.3.1.F) IP phones.
	Voice mail **Specific Profile** selection is simplified using the drop-down list of the created profiles.
	Aastra IP phone template enhancements: Added **Callers List Script** field, **Call Waiting/ Hold Reminder/Stutter Tones** and **Password protected "Options"** checkboxes.
	Restored the **Edit Watch Access List** link in the extension settings.
	Yealink T2x phones default settings updated.
	Added **voipvoice.it** as a new carrier to the VoIP Carrier Wizard list.
5.3.10	IP line capacity increased: **16** lines by default, additional **8** with license key.
	All preconfigured functions have been removed from Aastras' Programmable Keys Configuration.
	Improved the voice message played when collecting the user logs using feature code ***82**.
	Improved the voice message played when user marks the call using feature code ***81**.
	Added the option to delete the uploaded **Global speed dialing directory**.
	Added **Kebu.it** as a new carrier to the VoIP Carrier Wizard list.
	The name of **Login/Call Relay** column in the Extensions Management is changed to **External Access**, which indicates whether the GUI login, 3pcc/Click2Dial login or Call Relay options are enabled on the extension.
	New FW recommendations for snom phones.
	Some of the system voice messages are improved.

Release	Changed Features
	New FW recommendations for snom, Grandstream and Polycom phones.
	Added information regarding video codec's under the Details in the call statistics
	Added **P-asserted identity** header in all SIP messages that contain **P-preferred identity** or **Remote-party-ID.**
	Changed the SIP parser for proper processing of From: field in header if URI scheme is included.
	The **SIP IDS** configuration options are available in the **SIP IDS** settings page.
	The **3pcc/Click2Dial Login Allowed** checkbox is available when editing multiple extensions at the same time.
	The **Skype** service is added in the VoIP Carrier list.

5 Fixed Issues

Issues fixed since version 5.3.63:

T: Title
D: Description

18797	T:	An issue when configuring both No Answer call forwarding and Find Me/Follow Me services on the same extension
	D:	If the No Answer call forwarding (NACF) service has been configured at first on the selected extension then FM/FM service, the NACF wouldn't work.
18626	T:	A problem with Yealink T38G phone in the Receptionist Phone Configuration Wizard
	D:	When selecting the Yealink T38G IP phone model to be used by the receptionist, the drop down menu for all 6 expansion modules is showing blank.
18412	T:	DSS key doesn't work correctly as Call Park on Yealink T38G phone
	D:	The DSS programmable key doesn't work correctly when configured for Call park in IP line settings for Yealink T38G phone: It doesn't light up when the call is parked; It doesn't allow call parking without pressing the HOLD button before.
18021	T:	VLAN DHCP continues to function even after VLAN interface is disabled
	D:	
17282	T:	An issue with Intercom service on snom 8xx phones
	D:	When the snom 8xx phone series (tested with snom models 821, 870 running FW version's 8.4.32, 8.4.33) have watched extensions configured and the status of the watched extension has changed (e.g. the watching phone receives or makes a call), immediately the next intercom call to the snom phone does not activate the intercom but continuously rings the phone. The issue has been fixed in recommended snom FW version 8.4.35.

6 Known Issues

T: Title
D: Description
C: Consequences
Fix: How to avoid the situation, or what to do in case the situation has occurred.

19200	T:	iQall toggling doesn't work when you talk on desk phone and want to toggle to mobile
	D:	
	C:	
	Fix:	Will be fixed in the future releases.
19167	T:	AudioCodes 310HD and 320HD IP phones are forced to make only secure calls by default, even though Quadro4Li's default SRTP settings for attached extension is "Make unsecure calls, accept anything"
	D:	
	C:	The outgoing calls cannot be established.
	Fix:	Go to the **Codec Settings** for the extension attached to that phone, select **Make and accept only unsecure calls** option in the **Secure RTP Settings** and reset the phone to factory defaults. Will be fixed in the future releases.
18839	T:	It's not possible to park a call twice to the same call park extension by using programmable key on Yealink T32G and T38G
	D:	Upon successful call park/pickup the second attempt to park the call, using the park ext. programmable key fails. The problem is happening only if we park the call to the same park extension (by pressing Call Park key).
	C:	
	Fix:	Workaround: Park the call to a different call park extension. Will be fixed in the future releases.
18759	T:	The STUN service doesn't work when the firewall level is set to "High".
	D:	When the firewall level is set to **High** Quadro doesn't release STUN packets, because firewall prohibits them to be created and sent.
	C:	
	Fix:	To make STUN service working need to add the STUN server IP address in the **SIP access** filtering rule. Will be fixed in the future releases.
18707	T:	An issue with extension watching on Fanvil C62 phone
	D:	If a programmable key is configured to watch an extension you cannot pickup the call addressed to that extension by pressing the key.
	C:	
	Fix:	Will be fixed in the future releases.
18651	T:	GXP2200, GXV3175 and GXV3140 IP phones are forced to make secure calls by default, even though in phone Web GUI the SRTP Mode is configured as "Enabled but not forced"
	D:	
	C:	The outgoing calls cannot be established.
	Fix:	Go to the Codec Settings for the extension attached to that phone, select **Make and accept only unsecure calls** option in the **Secure RTP Settings** and reset the phone to factory defaults. Will be fixed in the future releases.
18638	T:	When opening the Call Statistics, sometimes it doesn't show CDR records at once but shows an empty page
	D:	Only after refreshing the page it shows the CDRs.

	C:	
	Fix:	Will be fixed in the future releases.
18556	T:	PPTP fails connecting to Windows 8/8.1 when MSCHAPv2 Encryption type is something else than NO MPPE
	D:	
	C:	
	Fix:	Will be fixed in the future releases.
18372, 17709	T:	A problem with configuring programmable keys in IP line Advanced Settings page for Grandstream GXP2124, GXP 2140 and GXP2160 phones
	D:	If the Programmable Keys configuration page for GXP2124, GXP2140 and GXP2160 phones has all six **Line keys** configured with some functions the phones becomes none functional: the dial tone is lost, the keys and buttons on phone keypad stop working.
	C:	
	Fix:	Do not use all six line keys when configuring programmable keys. Keep at least two line keys unused to be able to make/receive calls. Or use **Multi-Purpose Keys** instead. Will be fixed in some future FW versions for the mentioned phones.
18186	T:	A fake error message when pressing successful calls tab in the Call Statistics
	D:	When pressing this tab just after a successful call termination, sometimes the following error is displayed: **Log file seems to be corrupted. Please clear all records.**
	C:	
	Fix:	Pressing this tab once more will resolve the problem. Will be fixed in the future releases.
18112	T:	**Watching does not work properly configured on Akuvox SP-R53P phone**
	D:	If a programmable key is configured to watch an extension, it allows only calling to that extension. You cannot pickup the call addressed to that extension by pressing that key.
	C:	
	Fix:	Will be fixed in the future releases.
17555	T:	**Using Call Intercept to directly answer an incoming ACD call fails**
	D:	When ACD calls to an extension of an agent and Call Intercept is used from another extension to answer the call with the feature code (*94 + extension number), the caller hears nothing and the incoming call continues ringing. Hanging up the call from caller to **direct pickup**, leaves an active call.
	C:	
	Fix:	Will be fixed in the future releases.
17404	T:	**Calls which are done using Call Relay (*2) on the auto attendant are not shown in Call History**
	D:	Only the call to attendant is shown in the call history. The call leg after call relay is missing in the call history in case if the external caller is terminating the call first.
	C:	
	Fix:	Use feature code *1 instead of *2 for call relay. Will be fixed in the future releases.
16753	T:	**An issue with duplicated keys on snom 370 phones**
	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:	
	Fix:	Should be fixed by snom in the future firmware versions.
16683	T:	**Find Me/Follow Me does not work for incoming Secure RTP call**
	D:	Though the call came with SRTP option the FM/FM is making unsecure calls.
	C:	As a result the call is not established.
	Fix:	Will be fixed in the future releases.
16635	T:	**Shared Mailbox watching does not work when using Allow access to Shared Mailbox for enabled extensions option in Many Extension Ringing configuration**
	D:	Extension has Many Extension Ringing enabled with a few extensions configured for Shared Mailbox.
	C:	However, in the IP Line settings, the **Shared VMail Ext. xxx** option is not listed in the drop down list for **Advanced→Programmable Keys** Configuration.
	Fix:	Use the **Shared Mailbox: Edit Voice Mailbox Access List** link in the Voice Mailbox Settings for extension. Will be fixed in the future releases.
16533	T:	**A problem with incoming Secure RTP call in a specific scenario**
	D:	When incoming Secure RTP call is connecting to the destination via Call Routing table, Quadro4Li always tries to connect it as an unsecure call and the call is being dropped due to the media parameters incompatibility.
	C:	
	Fix:	Will be fixed in the future releases.
16037	T:	**After changing Quadro4Li LAN IP configuration (IP address or subnet mask) IP phones lose registration and become unusable**
	D:	
	C:	
	Fix:	After changing Quadro4Li LAN IP configuration first reboot the unit then reboot the IP phones. Will be fixed in the future release.
15942	T:	**It is not possible to pick up (via pickup group) the call to extension with FM/FM enabled**
	D:	
	C:	
	Fix:	Will be fixed in the future releases.
14909	T:	**Paging and intercom services do not work on the Grandstream BT100 IP phone**
	D:	
	C:	
	Fix:	Currently BT100 has no support for paging/intercom.
14797	T:	**Call Interception does not work on Grandstream GXP2000 configured as a receptionist, when extensions are watched on expansion module**
	D:	
	C:	
	Fix:	Use basic seven keys instead of expansion module. Will be fixed in the future releases.
13802	T:	**An issue with configuring Aastra IP phones as local extensions for Quadro4Li**
	D:	After changing the Quadro4Li's LAN IP address, the Aastra 480i, 9133i and 55i phones with 1.4.1.2000 firmware are not registering after restart.
	C:	

	Fix:	They must be factory reset to register again. Will be fixed in the future FW versions for Aastra phones.
13471	T:	**An issue with configuring IP phones as local extensions for Quadro4Li**
	D:	PnP and auto configuration of IP phones is impossible with the modified **HTTP Server Port** on the Quadro4Li.
	C:	
	Fix:	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.
13380	T:	**Aastra IP phone is not ringing when it is used in many extensions ringing list**
	D:	Scenario: 1. **Many Extension Ringing** is enabled on a virtual extension with an Aastra phone in the list. 2. **Distinctive Ringing** is enabled on that virtual extension with Nickname that contains space.
	C:	When a call with no Caller ID comes to that extension, the Aastra phone in many extensions ringing list does not ring.
	Fix:	The problem is solved if there is a Caller ID available on the incoming call or if the Nickname does not contain spaces. This problem is limited to Aastra IP phones only.
12190	T:	**Some of the voice mail services could be unavailable if external Voice Mail is in use for extension**
	D:	In this scenario some of the features, for example **ZeroOut** and entering the VMS directly with option **1** will not work.
	C:	
	Fix:	This is normal, as those features are the Quadro4Li's internal VMS system features. If external VMS system is used, user gets the features of that external system.
11519	T:	**An issue with distinctive ringing on the snom and Aastra IP phones**
	D:	Snom and Aastra phones ring only once if the distinctive ringing is enabled with the **winter** ringing pattern.
	C:	
	Fix:	Use other ringing patterns for distinctive ringing on snom and Aastra IP phones.
	T:	**Aastra, snom, Grandstream and Thomson IP phones may disconnect if you press "Mute" button for a long time (60 min)**
	D:	
	C:	
	Fix:	Will be fixed in the future releases.

7 Upgrading Instructions

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 Quadro4Li and will cause the IP phone registration failure on the Quadro4Li.

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 Quadro4Li and perform the firmware update from the LAN side. This is to ensure that the Internet connection will not affect the upgrade process. In general, the configuration of a system will remain after the software update. 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.

- Pending events
- Transfer statistics for the network interfaces
- DHCP leases

The following steps describe how to correctly perform the firmware update:

1. 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**).
2. Perform the Firmware Update.
3. Restore the configuration that was saved in Step 1 (**System→Configuration Management→Upload and Restore all config and voice data**).

   This is necessary to restore the extension custom voice messages and the custom Auto Attendant messages.

7.3 Limitations and Restrictions

- The memory used by **Network Capture** hidden page is limited to 3 MB. This will put a limitation on the duration of captured file.
- The capture duration is limited to 320 seconds in **DSP Capture** hidden page.
- The **Call Capture** duration is limited to 160 seconds.
- In case if **voice mail recording codec** is other than **PCMU**, the maximum length of VM sent by email is limited to three minutes.
- The number of **VMs in the mailbox** for one extension is limited to **300**.
- **Use Session Timer** in IP Line Settings is deselected by default.