Release Note QuadroFXO 5.1.16, Edition 1

1 Introduction

The Release Note describes the hardware and software requirements to use the

QuadroFXO software 5.1.16 Date: January 25, 2011

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

Date: March 22, 2011

2 Requirements

2.1 Hardware requirements

- The software can be used on all QuadroFXO models.

- The model name is written on the back plate of the unit.

2.2 Software requirements

- A software upgrade can be made without issues from software versions higher than **3.0.6**

2.3 Interaction with other Quadro SW releases

It is recommended to use the QuadroFXO running SW 5.1.16 with Quadro IP PBX (Quadro2x/4x/16x/32x/8L) in the shared mode only if Quadro IP PBX is running a SW version 5.1.17 or higher.

3 New Features History

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

Release	New Features
5.1.16	
5.1.13	The Quadro Call Statistics (CDR) can be automatically sent via email or uploaded to an FTP or TFTP server.
	Virtual extensions can be optioned to provide a simulated ring back. The VE can be assigned to a receptionist phone and this option will now give him/her the option to answer the call before it goes to voice mail.
	Zero-out on Auto Attendant
	The Automatic Call Back option has been expanded to include callback to SIP callers. Previously, this feature was specific to PSTN callers.
	TLS/SSIP support added to send and receive encrypted SIP messages from designated peers
	The Unconditional Call Forwarding option has been enhanced so that enabling/disabling the feature from the handset can include the designated caller Ids.
	Load balancing for the FXO lines (including FXO gateways)
	Easier for extensions to forward their calls to external numbers without compromising the security of Call Routing entries that have the PBX filtering option enabled.
	An option to "Discard Non-Numeric Symbols" is added in the Call Routing Wizard to delete extra characters that might be received in the caller id.
	Possibility to append the called number to the caller id using the format <dialednum:range>. This will allow the user to appropriately answer a call based on the number that was dialed.
	Ability to download "packages" of CGI's in legible format
	Ability to remotely access the Auto Attendant and use the admin login menu (*75) to update the AA greeting messages. Previously this login was only accessible from an extension.
5.0.18	Capability to choose desired GUI theme on login

	New Auto Attendant or extension adding process simplified
	Ability to remove the Display name of the calls passing through the Routing Table
5.0.11	Ability to record voice messages referenced from the Auto Attendant Interactive Voice Response menu from the phone handset. When needed, the recordings can then be easily updated with current messages.
	Support for MS OCS and MS Exchange configuration with Quadro
	Added silent VM recording option in the Voice Mail Settings
	Added Custom Profiles for Voice Mail Settings
	DHCP Advanced Settings added
	A new checkbox called "Check with 3PCC" is added in Call Routing Wizard. When checking it will allow 3PCC application to place a hook on calls done through that rule
	Local authentication parameters are shown in Details column of Call Statistics
	"Check/Update Now" option is added in Automatic Firmware Update page
	Added SNMP status and configuration
	The results of system configuration backup & download are reflected in the system events
	Possibility to hide/show disabled records in the call routing table
	Caller ID can be used to define the call destination in call routing table
	The "Deny reinvites" option is added for ITSPs that do not support this option.
	Call forwarding configuration through custom Auto Attendant
	G729/G729a codec type selection is GUI configurable
	Changed the Auto Attendant custom scenario to allow multiple WAV files to be uploaded all at once in a single compressed ZIP file.
	Added possibility to change the original display name in the Caller ID
	Changed the Subscription limitations and made it configurable from generalconfig.cgi hidden page.
	FXO diagnostics have been added to automatically adjust to the best echo cancellation settings
4.1.31	
4.1.7	Flexible Numbering Plan for extensions
	Voice mail capability for virtual extensions
	Initial VM Setup via Phone
	SMS and E-mail notification about the call forwarding

	Access to extension voice mailbox from outside by-pass the auto attendant
3.1.10	
3.1.7	"Backup & Automatically download all config & voice data" via E-MAIL, FTP, TFTP
	System Remote Logging
3.1.4	Sharing mode enable with Quadro IP PBXs

4 Changed Features History

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

Release	Changed Features
5.1.16	The number of possible entries in the Local AAA table is increased to 1000
	Added a new "Wait For Next Ring Before Accept" option in the hidden fxoconfig.cgi for preventing the call glaring problem
5.1.13	Added new VoIP carriers to the VoIP Carrier Wizard list
	The expiration date for trial keys are shown under the Features menu
	The Call Routing Management option for the Auto Attendant has been changed from *7 to *77. This option allows entries in the Call Routing Table to be remotely enabled/disabled.
	Possibility to multi-edit the some of the extension's Voice Mailbox Settings
	The timeout for automatic Call Back feature is changed. To activate automatic Call Back the PSTN callers should disconnect the call not after the two rings as previously, but just after one.
	The Automatic Firmware Update moved to the Firmware Update page
5.0.18	In the System-> IP routing Configuration the name of "VPN Routes" changed to "PPTP/L2TP Routes
5.0.11	Added status info in 3PCC settings
	Added scrollbars in the tables for Call Routing and Extension Management pages
4.1.31	
4.1.7	G.723 is activated by additional feature key
	Two new IP-PSTN providers in the "VoIP Carrier Wizard" list (AGN and Netlogic)
	Backup and Restore configuration procedure changed.
	Download and Upload Legible configuration procedure changed.
3.1.10	NZ DTMF twist value is corrected
3.1.7	Management GUI redesigned according to current functionality.

3.0.10	The default settings are changed to minimize the configuration efforts when QuadroFXO is placed in Quadro2x/4x/16x LAN
	By default the LAN IP address of the system is 172.28.0.1

5 Fixed Issues

Issues fixed since version 5.1.13

Call glaring problem in case of FXO calls to Auto Attendant	16087
D:	
C:	

6 Known Issues

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

Instant Call Back does not work for incoming calls from PSTN to Quadro IP PBX when QuadroFXO acts as an FXO expansion device 10924	
D:	The Instant Call Back service will not work if the incoming PSTN call has been addressed to the expanded FXO lines on the QuadroFXO.
C:	The reason is that the call from the QuadroFXO to the Quadro IP-PBX is a SIP call, which is not supported for Call Back service.
Fix:	Under investigation, will be fixed in future releases.
The Call Forwarding to the PSTN doesn't go through the QuadroFXO lines in default configuration using sharing mode 11248	
D:	Scenario: 1. The QuadroFXO is configured with the Quadro IP PBX in the sharing mode, 2. Call Forwarding is configured for extension on the Quadro IP PBX, 3. FXO lines on the Quadro IP PBX are either busy, not connected to CO PSTN lines or disabled.
C:	When calling to that extension, the call forwarding service to the PSTN doesn't work. The system plays an error "Check your external line". It is the same for all types of call forwarding, also for call forwarding with "pstn" option.
Fix:	Use option "Auto" and local call routing when configuring call forwarding to PSTN network. Under investigation, will be fixed in future releases.
The Port Forwarding service configured in the Filtering Rules - Incoming Traffic/Port Forwarding may stop functioning after working for a while	
D:	
C:	
Fix:	Reboot the Quadro to resolve this issue. Will be fixed in the next releases.

7 Upgrading Instructions

7.1 General hints

- It is recommended to execute the update by downloading the software first to a PC located in the LAN side of the unit and perform the firmware update from the LAN side. This is to make sure that arising problems with the Internet connection do not affect the upgrade process.
- Additionally it is recommended to make a backup of the configuration before upgrading and download this configuration to the PC used to manage the system.

Remember that the following data is lost during an 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 scenarios**
  Workaround – backup and download all configuration and voice data to a PC.
- **Transfer statistics for the network**
- **The Event log**
- **DHCP leases**