

# Release Note QuadroE1T1 4.1.19, Edition 2

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## 1 Introduction

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The following release notes describe hardware and software requirements to use the

**QuadroE1T1 software 4.1.19 Date: March 26, 2008**

Enhancements, bug fixes and known issues incorporated in this software will also be listed.

Date: April 7, 2008

## 2 Requirements

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### 2.1 Hardware requirements

The software can be used on all QuadroE1T1 models:

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

### 2.2 Software requirements

Software upgrade can be made without issues from software versions higher than **2.4.23**.

### 3 New Features History

The table below indicates a high-level list of new features that have been added beginning with the most recent QuadroE1T1 release.

Release	New Features
4.1.19	The Pause/Digit duration is configurable (in dtmfduration.cgi hidden page).
	The G729/G729a codec type selection is GUI configurable (in codecsconfig.cgi hidden page).
4.1.11	SIP Address Resetting function in the Extensions Management for restoring the default SIP settings of extensions
	Possibility to change static, running logos, links and browser mini logo logo (accessible at loadlogo.cgi hidden page)
	Added ISDN PRI timeslot selection in call routing
	Added - jittercfg.cgi hidden page to manually configure jitter buffer settings
	Added - dependence for SIP registration and E1/T1 link status. Need to select "Monitoring SIP registration for E1/T1 link" checkbox from generalconfig.cgi hidden page to activate this feature.
	Added call close reason in call statistic record
3.2.4	
3.2.1	Interdigit service for E1/T1 CAS
3.1.15	"Backup & Automatically download all config & voice data" feature via E-MAIL, FTP, TFTP.
	E1/T1 settings to legible configuration file for editing.
	Hold music options.
	CallBack feature for E1/T1 CAS/CCS signaling.
	Support for keypad buttons #, *, A, B, C, D for E1/T1 CAS signaling.
	"On Channel Selection" option in CAS signalling wizard for "Voice Establishment Procedure".
	Alternative Disconnection Mode checkbox for E1/T1 CAS User/Network mode.
System Remote Logging.	
3.1.7	SNMP support for event monitoring.
	Centralized Management.
	E1/T1 FGD (Feature Group-D) signaling type.
	Diagnostic call loopback mode for E1/T1.
	TOS for SIP.

Release	New Features	
	Voice transcoding on QuadroE1T1.	
	No Answer Disconnect Timer For E1/T1 CCS Network mode.	
	Implemented mapping of ISDN release reason to SIP response and SIP response to ISDN release reason.	
	r2settings.cgi hidden page to customize E1 CAS R2 Compelled settings.	
<b>3.1.7</b>	Activity timeout in call routing rule for Call Type SIP, H323, IP-PSTN.	
	Implemented E1 CAS R2 MF in Network mode.	
<b>3.0.49</b>	Collect Call service for E1 CAS R2 Brazil.	
	E1 CAS R2 for country Mexico.	
	B groups partly enabled for E1 CAS R2	
	The r2tones.cgi hidden page moved to E1 R2 Advanced settings page to be able to change the following parameters:	ANI Request transmit { from A1 to A15}
	ANI Request receive { from A1 to A15}	
<b>3.0.49</b>	"Generate Progress Tone to PSTN/PBX " checkbox for ISDN PRI.	
	Display Name recognition for PRI 5ess switch type when it is being delivered in the Facility Message.	
	Capability of forcing its own list of preferred codecs for inbound calls.	
	Several AAA combinations for accounting.	
	Increased SIP username field length from 20 to 32.	

## 4 Changed Features History

The following table provides a high-level list of new features that have been changed beginning with the most recent QuadroE1T1 release.

Release	Changed Features
4.1.19	
4.1.11	Two new IP-PSTN providers in the "VoIP Carrier Wizard" list (AGN and Netlogic)
3.2.4	Added country specific advanced Answer/Busy signal(s) for E1 CAS R2 Compelled signalling
3.2.1	DSP capture simplified.
3.1.15	Removed Overlap Mode functionality for ISDN Switch Types 5ESS, DMS100.
	Echo Tail default value changed from 128 to 64.
3.1.7	E1 CAS R2 default settings for Paraguay, Peru, Uruguay, Venezuela.
3.0.49	Channel Selection Ordering for E1/T1 CAS outgoing calls.
	ISDN PRI Network mode for sending Dial tone in Overlap mode.
	For ISDN service do not send STATUS message when PROGRESS message is coming after ALERT message.
	Changed ISDN PRI DMS100 Switch type functionality.

## 5 Fixed issues

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Issues fixed since version 4.1.11.

<b>A problem with "Generate Progress Tone to IP" checkbox</b>		<b>13516</b>
D:	When the "Generate Progress Tone to IP" checkbox is selected then during the call from the E1 to the IP network, the calling party may hear progress tone in the background.	
C:		
<b>Blocked ISDN L2/L3 connection</b>		<b>14163</b>
D:	No Incoming/outgoings calls are possible.	
C:		
<b>An occasional noise might be heard on units with hardware type of 0307</b>		<b>14035</b>
D:	Under some unknown circumstances there might be a noise in the E1/T1 outgoing calls.	
C:		
<b>E1 CAS R2 outgoing call problem in Mexico</b>		<b>14276</b>
D:		
C:		
<b>A SIP problem with unknown (0x0F) symbol in the Display Name</b>		<b>13788</b>
D:	Incoming calls from the PSTN to SIP with unknown symbol fail.	
C:		
<b>The Single URL field under Filtering rules is too small</b>		<b>14241</b>
D:	The field does not allow you to enter DNS URL for some providers. For example, it is too small for the "teleprime.dnsalias.com" URL.	
C:	The field needs to be larger to support longer URL names.	

## 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.

<b>Problem with Out of Band DTMF functionality</b>		<b>10047</b>
D:	Scenario: <ol style="list-style-type: none"> <li>1. Out of Band DTMF is enabled on the Quadro auto attendant,</li> <li>2. A call originates from the PBX/PSTN and tries to make an IP call.</li> </ol>	
C:	DTMF digits might be lost.	
Fix:	Select "Short DTMF pulse suppression" checkbox on codecsconfig.cgi hidden page.	
<b>Unable to transparently send Caller ID from PSTN to H.323</b>		<b>9349</b>
D:	Scenario: PSTN user calls to QuadroE1T1 and makes a call via H323 to some destination.	
C:	Quadro sends to destination the Attendant H323 user registration name.	
Fix:	No fix.	
<b>Recommendation to restart the Quadro after Interface Type change for any trunk</b>		<b>12795</b>
D:	Scenario: <ol style="list-style-type: none"> <li>1. Go to Telephony – E1/T1 Settings, select any Trunk to edit</li> <li>2. Change the Interface type from "User" to "Network" or vice versa</li> </ol>	
C:	In very rare cases all trunks may become unusable until Quadro is rebooted.	
Fix:	Restart the Quadro after interface change. Under investigation, will be fixed in the future releases.	
<b>Changing the Metric for a Call Routing entry does not have an impact</b>		<b>13304</b>
D:	Changes to the value for Metric do not affect the routing rule priority.	
C:		
Fix:	Under investigation, will be fixed in the future releases.	
<b>The "H323 Registration Event" doesn't generated</b>		<b>11399</b>
D:	In the System Events-Event Settings page, the action for "H323 Registration Event" event is set to "Display notification".	
C:	But after H323 user registration there is no event generated and displayed on the System Events.	
Fix:	Under investigation, will be fixed in the future releases.	
<b>The feature code *77 for call routing management does not work on the FXS line</b>		<b>13336</b>
D:	Dialing *77 from the FXS line causes an alert tone that prevents enabling/disabling the routing rules.	
C:		
Fix:	Under investigation, will be fixed in the future releases.	
<b>The memory size assigned to Auto Attendant for custom voice messages is small and not adjustable</b>		<b>13342</b>
D:	The total allowed space is about 300 KB for all custom voice messages (Welcome Message, Recurring Attendant Prompt, Ringing Announcement), which is rather small and there is no possibility to change this space or to see the memory status for the Auto Attendant.	
C:		
Fix:	Under investigation, will be fixed in the future releases.	

## 7 Upgrading Instructions

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### 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 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 some data is lost during upgrade:
  - Call statistics
  - Transfer statistics for the network
  - The event log