



# Release Notes for QFXS24 6.2.23, Edition 1

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## 1 Introduction

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This Release Notes describes hardware and firmware requirements to use with the

**QFXS24 firmware 6.2.23 Date: August 23, 2018**

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

Date: August 23, 2018

## 2 Requirements

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### 2.1 Hardware Requirements

- The firmware (FW) can be used on QXFXS24 models only.
- The model name is written on the front plate of the unit; the unit number is on the bottom label.

### 2.2 Firmware Requirements

**Attention:** The firmware upgrade to **6.2.23** can **ONLY** be done from 6.0.2 and higher versions.

### 2.3 Interaction with Other Epygi Software Releases

To achieve maximum compatibility with **QXFXS24 FW 6.2.23**, use the latest SW and FW versions for other Epygi products.

- When QXFXS24 configured as an FXS expansion device with QX IP PBXs, such as the **QX20**, **QX50**, **QX200**, **QX500**, **QX2000**, **QX3000**, **QXISDN4+** or **ecQX**, the QX IP PBXs should run 6.2.23 or higher FW version.
- **QX-Quadro Configuration Console (QCC)** SW 2.3 or higher should be used with QXFXS24 FW 6.2.23.
- **Bulk User Extensions Importer** version 1.1 or higher should be used.

## 3 New Features

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The table below indicates a high-level list of new features that have been added beginning with the most recent QXFXS24 FW release.

Release	New Features
6.2.23	
6.2.22	Added support for the <b>Use Session Progress</b> option instead of <b>Ringling</b> for the external calls.
6.2.18	Added support for the new <b>ecMon</b> service. ecMon is a cloud-based monitoring service. It is a WEB application platform allowing centralized monitoring for ecQXs, QX IP PBXs and QX Gateways. It is a great tool for centralized monitoring and managing all active devices.
	Added support allowing to configure <b>MTU</b> size on LAN and VLAN interfaces.
	Added support to provide QX users with e-mail, sms and event notifications in case of calls (emergency calls, etc.) completed through the respective call routing rules.
	Added new failover reason – Other. The system will use next matching routing pattern(s) in case of Server Failure Responses (5xx messages) and Global Failure Responses (6xx messages).
	Added support for <b>SNMP v3</b> .
	Added support for <b>TLSv1.1</b> and <b>TLSv1.2</b> .

Release	New Features
	<p>Security enhancements: Users will be redirected to HTTPS for the QX Login and Logout pages. This will allow to encrypt the traffic between user's device (PC, smartphone, etc.) and the QX.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• Check and reconfigure <b>Port Forwarding</b> settings on the router, if the QX is located behind router to make sure that there is also Port Forwarding for HTTPS.</li> <li>• If you have already configured <b>Port Forwardings</b> to access the devices located on the QX LAN side, then check the entered address link to be HTTP (instead of HTTPS) or reconfigure the Port Forwarding to HTTPS.</li> </ul>
6.2.1	<p>Added <b>Bulk Import</b> support allowing to create and update the settings for multiple <b>user</b> type extensions.</p> <p>Added support to automatically archive <b>Call History</b>.</p> <p>Added the <b>SSH FTP (SFTP)</b> support, which allows to send the configuration backup files to an FTP server using the secure FTP connection.</p> <p>The <b>Client Code Identification</b> option can be activated and used by other billing systems as well as it is done for RADIUS server.</p> <p>Added support allowing to <b>Restrict Simultaneous Calls</b> for "SIP" call types.</p> <p>Added support for the <b>SIP Registration Transport</b> UDP/TCP/TLS options in the Extension's <b>SIP Registration</b>.</p> <p>General improvements and enhancements in the <b>SIP TLS certificate</b>.</p> <p>GUI improvements and enhancements in the <b>Extensions Management</b> page.</p> <p>GUI enhancements on the <b>Menu</b> bar:</p> <ul style="list-style-type: none"> <li>• Added device's current Date/Time.</li> <li>• Added device's hostname.</li> </ul>
6.1.40	<p>Added support for <b>Hot Line</b> service on the analog phones attached to QXFXS24.</p>
6.1.20	<p>Added support allowing the QXFXS24 to act as an <b>OpenVPN</b> client.</p> <p>The GUI is enhanced to allow quicker access to the extension's <b>Admin</b> and <b>User</b> settings.</p> <p>Added support for the <b>SIP Registration Transport</b> UDP/TCP/TLS options in the Extension's <b>SIP Registration</b>.</p>
6.1.17	<p>Added a new <b>Search</b> option in the QXFXS24 <b>Online Help</b>.</p>
6.1.10	
6.1.6	
6.1.5	<p><b>VLAN</b> support has been added for QXFXS24 GW.</p>
6.0.13	
6.0.9	
6.0.8	
6.0.2	

## 4 Changed Features

The table below provides a high-level list of changed features that have been changed beginning with the most recent QXFXS24 FW release.

Release	Changed Features
6.2.23	
6.2.22	Major <b>Security</b> Enhancements.
	GUI Enhancements for the following pages: <ul style="list-style-type: none"> <li>• Extensions Management</li> <li>• NAT Traversal</li> <li>• VoIP Carrier Wizard</li> </ul>
6.2.18	Major <b>Security</b> Enhancements.
	<b>Network</b> and <b>Broadcast</b> IP addresses will not be included into <b>Usable Host IP Range</b> . These IPs will be reserved for network purposes.
	The <b>Call Quality Warning</b> in the System Events has been modernized to show information about the callee, caller and call date/time.
	GUI Enhancements for the following pages: <ul style="list-style-type: none"> <li>• Admin Settings of the user extensions</li> <li>• User Settings of the extensions</li> <li>• Call History</li> </ul>
	The default <b>MTU</b> size for VLAN interfaces has been decreased from <b>1500</b> to <b>1432</b> bytes.
6.2.1	Added support to exclude/include different <b>CDR parameters</b> in generated CDR reports for the Call History.
	Added support to display <b>SRTP</b> parameters in the Call History.
	Added support for the following symbols "<", ">" in the password field for <b>E-mail Settings</b> .
	The backup configuration filename format has been updated and will include the installed firmware version of the QX: <b>config_[Hostname]_[Firmware Version]_[Date/Time].bin</b>
	The timezone database has been updated on QX Gateways: <ul style="list-style-type: none"> <li>• The current local time has been corrected for Israel, Venezuela, Shri Lanka, Apia, Samoa and Fiji.</li> <li>• Added new timezone Nukualofa, Tonga (GMT+14).</li> </ul>
	New <b>Date/Time</b> pickers have been implemented for all applicable GUI pages, allowing to select or define the date/time options easier and conveniently.
	The <b>Network Capture</b> page has been moved to <b>Maintenance</b> → <b>Diagnostics</b> → <b>Network Capture</b> page.
	GUI Enhancements for <b>Call Routing Table</b> .
	Added support to allow/deny access to the <b>Diagnostics</b> and <b>Reboot</b> pages for QX localadmin.
6.1.40	
6.1.20	The <b>General Operation Mode</b> has been updated. Added the " <b>Manual mode</b> " option allowing to configure the QXFXS24 automatically to the specified QX IP PBX and use it as the FXS expansion device.
	Added <b>MO=1</b> parameter in the <b>SMS Settings</b> .
	Added support for the following symbols "<", ">" in the password field for <b>E-mail Settings</b> .
	Added support to download extension's <b>Call History</b> for Successful, Missed and Unsuccessful Outgoing calls.

Release	Changed Features
	Added support to exclude/include different <b>CDR parameters</b> in generated CDR reports for the <b>Call History</b> .
	Added support to display <b>SRTP</b> parameters in the <b>Call History</b> .
	Added support to allow/deny access to the <b>Diagnostics</b> and <b>Reboot</b> pages for QX localadmin.
6.1.17	The maximum <b>Number of Call Records To Download</b> is increased to <b>10000</b> in the <b>Status→Call History→Automatic Backup</b> .
	The maximum length of <b>Connection Name</b> field for <b>PPTP</b> and <b>L2TP</b> has been increased up to <b>64</b> symbols. Support for the following symbols "@", "-", ":", "_" is added.
6.1.10	Added support in <b>Extensions Multiple Editing</b> for the following fields: <b>Password</b> and <b>Confirm password</b> from General Settings page and <b>Authentication User Name</b> from SIP Advanced settings.
	The old password will not be required when change the <b>Phone Access Password</b> for Administrator.
	The <b>LAN IP Address</b> of the backup configuration displayed in the shell window, while restoring previously backed up configuration file.
	<b>Loadlogo.cgi</b> hidden page (for updating company details) has been renamed (changed) to <b>uploadlogo.cgi</b>
6.1.6	
6.1.5	<b>External Dial Tone</b> isn't generated to caller while dialing <b>9</b> from analog phones connected to QXFXS24 GW.
6.0.13	
6.0.9	
6.0.8	
6.0.2	

## 5 Fixed Issues

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Issues fixed since version 6.2.22:

T: Title  
D: Description

20328	T:	Using some special symbols in the admin GUI changed password may cause problem with accessing GUI management.
	D:	
20325	T:	The QX Security Diagnostics show nothing in the security reports regarding the admin's GUI and phone passwords weakness.
	D:	

## 6 Known Issues

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T: Title  
D: Description  
C: Consequences

Fix: How to avoid the situation, or what to do in case the situation has occurred

15847	T:	When using feature codes starting with * (*0, *1 and other) on analog phones attached to QXFXS24, user will need to press the pound sign (#) to accelerate the connection or wait for the dial timeout
	D:	The dial timeout is configurable, four seconds by default.
	C:	No consequences.
	Fix:	Will be fixed in future release.
	T:	New voice mail ringing indication does not work for the analog phones attached to QXFXS24
	D:	
	C:	No consequences.
	Fix:	Workaround: Use tone or lamp indication instead. Will be fixed in future release.

## 7 General Hints

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### 7.1 Technical Advisory

Some system information (**Call History** and **Pending Events**) may be lost when QXFXS24 is powered down. You may maximum lose the portion of the above-mentioned system information, which occurred during last hour before the QX is powered down. It's recommended to enable **Call History – Archiving** to minimize the loss of Call History.

### 7.2 Firmware Update

It is recommended to execute the update by downloading the firmware first to a PC located in the LAN side of the QXFXS24 and perform the firmware update from the LAN side. This is to ensure that the Internet connection will not affect the upgrade process.

**Attention:** It is recommended to back up the configuration for **emergency purposes** prior to upgrading the firmware. You can do that from **Maintenance→Backup/Restore→Backup and download current Configuration** page. The current configuration will remain after the firmware update. Moreover, all custom messages and call history will be saved during the upgrade.

To perform the manual firmware update:

1. Go to the **Maintenance→Firmware→Manual Firmware Update** page.
2. Click the **Download Configuration** link to back up the current configuration, if needed.
3. Click **Choose File** button to browse for **image.bin** file.
4. Click **Save** to start uploading the file.
5. Click **Yes** to proceed the firmware upgrade.

**Note:** The update process takes about **5** minutes. Normal operation will be stopped during that time.

### 7.3 Limitations and Restrictions

- The **Network Capture** size is limited to **24** MB. This will put a limitation on the duration of captured file.
- The **Call Capture** duration is limited to **160** seconds.
- The capture duration is limited to **160** seconds in **DSP Capture** hidden page.