

JED-0553

RELEASE NOTES C14

FEBRUARY 2025

650 SERIES IP COMMUNICATION SYSTEM

SOFTWARE RELEASE CYCLE 14

The Jacques 650 series IP Communication System software suite FEBRUARY 2025 release affects the following software modules:

- JELinux
- Jacques Call Control Protocol (JCCP) Server
- Intercom Report Server (IRS)
- Jacques Announcement Scheduler (JAS)
- Roles and Permissions (Users)
- Mass Notification System (MNS)
- Digital Audio Recorder (DAR)
- JEVNT (Event Controller)
- SIPPROXY
- VANN
- J650UI
- JUDI
- HLI

The following sections of this document provide a detailed list of features and improvements to Jacques 650 series IP communication system software modules since the last release.

Major features include:

- Updates to JEM-4 performance and reliability
- Improvements to SIPVPN usability
- Improvements to SIPPROXY reliability
- iptables support
- SSL cipher and protocol support
- Inbuilt text editor for advanced users

JEM-4 VERSION 0.00.42

Introducing Jacques new generation product JEM-4 for effortless integration into your existing Jacques system. This breakthrough allows the seamless replacement of aged intercoms with JEM-4 devices, eliminating the need for a full system upgrade. Our new generation JEM-4 devices are designed to be compatible with all versions of the JELinux system. This ensures a smooth transition and operational harmony across your existing Jacques infrastructure.

List of available devices:

- VSL-4XXX series
- IPM-4360 (with gooseneck or handset options)
- SCS-4150 (IP smart ceiling speaker)
- SSS-4100 (IP smart surface speaker)
- IMC-4000 (master console with gooseneck or handset options, replaces SMI)
- UAI-4000
- JIB-4000
- JEX-4001

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
4230, 7436, 7569	Improved detection and reliability of devices when components are disconnected	jem4-audio-swu
4295	Improved quality of audio tones used by JEM-4 intercoms	jem4-audio-swu
4373	Improvement to background music reliability during self test	jem4-audio-swu
6465	Gooseneck microphone connection noise removal improvement	jem4-audio-swu
6772	Improvement to menu reaction time for IPM-4360	jem4-audio-swu
6869, 7019, 7708, 7719	Improved functionality, flexibility and reliability of JEM-4 buttons	jem4-audio-swu
6871	Reduced delay on ATSM noise played from JEM-4 endpoints	jem4-audio-swu
7232, 7712	Significantly improved the functionality and usability of the JEM-4 web interface.	jem4-audio-swu
7241, 7467, 7514	Improved network capabilities	jem4-audio-swu
7275, 7508	Improved the LED capabilities of IP smart speaker range	jem4-audio-swu
7431, 7516	Improved reliability of devices to function for extended periods of time	jem4-audio-swu
7513	Intercoms will now send their call statistics to jccpsvr, event code 2015	jem4-audio-swu
7515, 7704, 7716, 7717, 7726	Improved usability, audio quality and reliability of handsets when used with IPM-4360 and IMC-4000 devices	jem4-audio-swu

JELINUX V8

JELinux is the operating system used on Jacques 650 series intercom controllers and servers. This section lists the new features and improvements made to JELinux packages since the previous release.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
5807	Added page for iptables port settings to be changed, allowing for system flexibility of ports used. Refer to JED-0505 rev2.0 section 6.7.2 for more information.	syscfg, webapps-webcfg
7449	A text editor has been added to the Controller > Advanced for advanced users. Refer to JED-0505 rev2.0 section 6.8.2 for more information	syscfg, webapps-webcfg
6639	Ability to select SSL protocols and ciphers for added security. Refer to JED-0505 rev2.0 section 6.7.1 for more information	syscfg, webapps-webcfg

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
5232	Improved consistency between messages within WEBCFG	syscfg, webapps-webcfg
5465	Improved usability of VANN so that it cannot be changed within JAS	syscfg, webapps-webcfg, webapps-jas, vann, wcfgevent
5712, 6662, 7311, 7625, 7638,	Improvements to device management, including displaying additional device information when selected and a dedicated edit button	syscfg, webapps-webcfg, jccpserver mysql-webcfg
6237	Alert message added to start of cloning process	syscfg, webapps-webcfg
6380, 7281, 7284, 7305, 7308, 7394, 7421, 7546, 7547	Visual improvements and typo corrections for a variety of pages	syscfg, webapps-webcfg
6448	Improved reliability of upgrade/clone process	Syscfg
6630	Minor adjustment to high availability page to display VIP in a more obvious location	syscfg, webapps-webcfg, ucarp
6660, 7355, 7391, 7424, 7675	Improvements to the virtual tag page	syscfg, webapps-webcfg, jccpserver
6809, 7418, 7462	Improvements to the backup scheduling process	syscfg, webapps-webcfg
6878, 7365, 7366, 7367, 7368, 7369, 7383, 7434, 7471, 7477	Improvements to the ADAM configuration within Event Controller	syscfg, webapps-webcfg, jevent
7029	Increased the length allowed for the email server on the Settings page	syscfg, webapps-webcfg
7180	Users will be re-directed to the login page when login time expires	syscfg, webapps-webcfg, nginx-webcfg
7206, 7427, 7456, 7543, 7653,	Improvements to downloading and restoring backups	syscfg, webapps-webcfg
7266, 7379, 7417	Improvements to the Logging page	syscfg, webapps-webcfg
7292	Deleted files will now be visibly deleted from all relevant pages	syscfg, webapps-webcfg, dar

7326, 7327, 7329, 7440	Improvements to the package installation process	syscfg, webapps-webcfg
7331, 7332, 7359, 7439	Improvements to the JCCPServer > Models page	syscfg, webapps-webcfg, jccpserver, mysql-webcfg
7334, 7353	Improvements to the VIVI web application	syscfg, webapps-webcfg, vivi-webcfg
7341	tcpdump service is now installed by default for support purposes	syscfg, webapps-webcfg
7343, 7348	Included an "Optimise timeout adjustments" option within JCCPServer > Server Settings. This optimises the timeout settings for all devices in the system, ensuring devices will be functional on a large variety of networks. Recommended and enabled by default	syscfg, webapps-webcfg, jccpserver
7344, 7346, 7347	Improvements to a variety of models within JCCPServer to ensure optimisation without having to add custom settings	syscfg, webapps-webcfg, jccpserver
7349	JCCPControl jccpserver log level can now be changed	syscfg, webapps-webcfg, jccpcontrol
7360, 7387, 7438, 7549, 7646	Improvements to the JCCPServer > Server Settings page	syscfg, webapps-webcfg, jccpserver, mysql-webcfg
7425	Improvements to the health tiles on the dashboard to allow them to be clicked, navigating to the device management page of the same filter	syscfg, webapps-webcfg
7433	PermitSSH and TestSSH buttons added to Host and Network page, allowing for passwordless access between known hosts	syscfg, webapps-webcfg
7444	Improvements to the DHCP page	syscfg, webapps-webcfg, dhcpd-webcfg
7445	DAR and Event Controller pages now have a status button to change status of custom files	syscfg, webapps-webcfg, jevent, dar
7464, 7502	Improvements to the MySQL database entry	syscfg, webapps-webcfg, jccpserver mysql-webcfg
7480	Improvements to JCCPServer logging configuration	syscfg, webapps-webcfg, jccpserver
7489, 7490	Improvements to the NTP page	syscfg, webapps-webcfg
7550, 7601	Improvements to the Host and Network page	syscfg, webapps-webcfg
7598	Upgrade support for JEM-3 custom models	syscfg, webapps-webcfg, jem3prog
7600, 7666, 7492	Improvements to security and hardness of JELinux	syscfg, webapps-webcfg

JCCPSERVER VERSION 8.00.66

The Jacques Call Control Protocol (JCCP) software module is the application that manages intercom endpoints and controls call. This section details new features and improvements added to JCCPSERVER software package since previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7296	JEM-4 models are now natively included in JCCPServer, allowing these can be easily configured separate from existing JEM-2 devices.	jccpserver
7498, 7553, 7624, 7642, 7654	Improvements to bridges, including remoting and different tones for masters within a bridge. Note that the configuration for remoting bridges has been changed. Refer to JCN-0317 rev3.1 for the updated configuration.	jccpserver
7699	JEM-3 VMS improvements to diverting when in remote mode with divert-if-private setting is enabled	jccpserver

DAR VERSION 8.00.54

Digital Audio Recorder (DAR) software module acts as a digital processor to perform audio echo cancellation, call recording, threshold alarm monitoring, covert monitoring, and background music streaming. This section lists the new features and improvements made to DAR software since the previous release.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7075	Significantly improved the usability of SIPVPN recording, allowing for certificates to be created and renewed within JELinux. Refer to JED-0554 rev1.0	dar, syscfg, webapps-webcfg, sipvpn-client, sipvpn-dar-server, vtun-webcfg

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7396	Improved SIP recording. Removed DAR restart on reboot	dar, syscfg, webapps-webcfg

DAR VERSION 7.97.77

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7548	Improved SIP recording. First call after DAR restart will now be recorded in full	dar, exosip, opensips

SIPPROXY VERSION 8.05.40

SIPPROXY is an additional feature that allows calls between Jacques 650 intercoms and SIP phones. This section details the improvements made to SIPPROXY since the previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7335	Improved digest authentication in SIP trunk to support more realm names	syscfg, webapps-webcfg, sipproxy, opensips-webcfg
7388	SIPPROXY will now send BYE message when JEM-2 endpoints end calls	syscfg, webapps-webcfg, sipproxy
7411, 7628	Improvements to UAC registrants for SIP trunk	syscfg, webapps-webcfg, opensips-webcfg
7488	Multicast SIP clients can now mix with regular PA calls, allowing for SIP speakers and Jacques endpoints to play PA announcements at the same time	syscfg, webapps-webcfg, sipproxy
7620	Improvements to the SIPPROXY page	syscfg, webapps-webcfg, sipproxy

J650UI VERSION 8.24.48

The Jacques J650UI is a graphical interface designed to run on Windows. It may be used to instigate and receive calls from all devices in the system and displays maps and icons, representing intercoms deployed on site. Alarms, NCV, Cell to Cell, and Conference calling capabilities are also possible. This section details the improvements made to J650UI since the previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7271	Self signed certificate used by JELinux will auto regenerate to ensure J650UI won't lose connection	j650ui, syscfg
7381	Improvements to Select All functionality for PA announcements	j650ui

IRS VERSION 8.06.50

IRS software module is used to keep track of all events that occur on the Jacques system controller. This section details improvements added to IRS since the previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
6026, 7481	Improvements to event codes for IRS reports	webapps-irs
6729, 7192, 7509, 7510, 7595	Improvements to Live Events	webapps-irs
7453	Improvements to IRS running on high availability systems	webapps-irs, ucarp-webcfg
7551	Added XLS format for exported reports	webapps-irs
7659	Improved usability of IRS within J650UI browser	webapps-irs

JAS VERSION 8.00.49

Jacques Announcement Scheduler (JAS) software module is a public address and bell scheduling interface that run on the Jacques system controller. This section details improvements added to JAS software since the previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
6222	Improved selection of auto and manual channels for JAS cell to cell	webapps-jas
6874, 6875, 7336, 7339	Improvements to the Qbutton page	webapps-jas
7191, 7375, 7420, 7442, 7495	Improvements to the usability and reliability of JAS	webapps-jas
7472	Announcements and QButtons now support SIP multicast for SIP speakers	syscfg, webapps-webcfg, jccpserver, mysql-webcfg, webapps-jas, sipproxy
7659	Improved usability of JAS within J650UI browser	webapps-jas

ROLES AND PERMISSIONS VERSION 8.00.49

Roles and permissions software module controls the user functionality of the Jacques system controller. This section details improvements added to roles and permissions software since the previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
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6847	Added more permissions for QButtons	webapps-users
7506, 7507, 7352	Improvements to visual consistency between user pages	webapps-users
7389	Improvements to restoring users from a backup	webapps-users

MNS VERSION 8.00.15

MNS (mass notification system) allows for messages to trigger event controller functions and events in the system to send messages. This section details improvements added to MNS since the previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
6879, 7317, 7318	Improvements to notifications within MNS	webapps-mns
7378	Improvements to dynamic content when creating templates	webapps-mns
7579, 7618	Improvements to the Telegram page	webapps-mns

JUDI VERSION 8.00.10

JUDI (Jacques User Design Interface) application assists users to create functionality & visuals on Jacques devices with a screen. This section details improvements added to JUDI since the previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7094	SAS-4100 LED can be configured within JUDI	webapps-judi
7277	Improvements to communication between JUDI and JEM-4 devices	webapps-judi
7316, 7357	Improvements to text within the JUDI application	webapps-judi

VANN VERSION 8.04.38

The Jacques Voice Annunciator (VANN) software is an optional component of the JELinux Web Interface. VANN allows the recording, storage and playback of announcements. This section details improvements added to MNS since the previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7393	Improvements to tooltips within the Voice Annunciator > Announcements page	syscfg, webapps-webcfg, vann, wcfgevent

HLI DEV KIT 8.04.35

The HLI Dev Kit is used to enable integration of Jacques products to server systems. This section details a list of improvements added to HLISDK Dev Kit since the previous release

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
6797, 7476	Improvements to the Lenel OnGuard integration	jccrpc

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