650 SERIES IP COMMUNICATION SYSTEM

SOFTWARE RELEASE CYCLE 15

The Jacques 650 series IP Communication System software suite AUGUST 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
- QButton notifications on PC
- Improvements to iptables page
- Jacques tunnel solution
- Local audio control for J650UI cproxy device

JEM-4 VERSION 0.00.44

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

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7816	JEM-4 devices support on-edge echo cancellation for calls between JEM-4 devices. Refer to JCN-0435 rev1.5 for more information	jem4-audio-swu
7815, 7937, 7944	JEM-4 devices support audio encryption for calls between JEM-4 devices. Refer to JCN-0435 rev1.5 for more information.	jem4-audio-swu, jccpserver

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2327, 5255, 7839, 7849, 7875, 7879	Basic ONVIF support for JEM-4 intercoms to allow for future compliance as Profile S devices	jem4-audio-swu
3150, 7703, 7722	Improvements to the usability of the JEM-4 web configuration	jem4-audio-swu
6935, 7524	Improvements to volume controls	jem4-audio-swu
7493	Improvements to security hardness	jem4-audio-swu
7709, 7739, 7797	Improvements to stability of devices when provided unexpected configuration details	jem4-audio-swu, jccpserver
7713, 7724, 7927	Improvements to tones and chimes played by devices	jem4-audio-swu
7715, 7805, 7820	Improvements to DHCP configuration	jem4-audio-swu
7730	IMC-4000 will display as IMC within JELinux device_state database	jem4-audio-swu
7779	Improvements to JIB-4000 LED usage	jem4-audio-swu
7785, 7850, 7914	Improvements to NTP functionality	jem4-audio-swu
7821	Improvements to IPM-4360 display	jem4-audio-swu
7870	IMC-4000 now supports HLI soft buttons for PTT usage	jem4-audio-swu

JELINUX V8.05.73

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
7169, 7792	Installing packages has been improved, allowing for multiple packages to be uploaded at once, or for a network drive to supply packages to systems. Refer to JCN-0445 rev1.0 for more information	syscfg, webapps-webcfg,
7519, 7695, 7687, 7657, 7658, 7892	Improvements to the iptables page, including allowing for custom port rules and SSL protocols. Refer to JED-0526 rev1.4 sections 4 and 5	syscfg, webapps-webcfg,

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
5577	Improvements to tcpdump logging process	syscfg, webapps-webcfg
6973, 7622, 7672	Improvements to JEM-3 upgrade process	syscfg, webapps-webcfg, jem3prog
7206, 7542	Improvements to the backup restoration process	syscfg, webapps-webcfg
7585, 7843	Scheduled backups can now be edited	syscfg, webapps-webcfg
7242, 7541, 7604	Improvements to activation of features, allowing for a simpler process by support to enable additions	syscfg, webapps-webcfg
7756, 7692, 7746, 7757, 7946	Improvements to high availability functionality	syscfg, webapps-webcfg, ucarp-webcfg
7701, 8017	Improvements to taking backups	syscfg, webapps-webcfg
7710	Improvements to usability of JELinux within J650UI browser	syscfg, webapps-webcfg, webapps-users, webapps-jas, webapps-irs
2604, 7725	Improvements to the JELinux dashboard	syscfg, webapps-webcfg
7755, 7788, 7800	Improvements to system upgrade process	syscfg, webapps-webcfg
7769, 7919	Improvements to security and hardness of JELinux system	syscfg

JCCPSERVER VERSION 8.00.78

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.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7631	Improvements to group calls and announcements with connected HLIs. Refer to JCN-0443 rev1.0 for more information.	jccpserver
7570	Endpoint devices can be configured to disable the microphone on connected calls, allowing for devices with self testing microphones not to be used for calls. Refer to JCN-0446 rev1.0 for more information.	jccpserver

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7535	Add server-side support for JEM-4 SDP negotiation	jccpserver
7567, 7896	Added new models to JCCPServer	jccpserver
7738	Call queues are now unaffected by DAR restarting	jccpserver
7727, 7791, 7918	Updated server, model and device settings pages	webapps-webcfg, jccpserver
7662, 7841	Improvements to Device Management, including device detail export functionality	webapps-webcfg, jccpserver
7747, 7753, 7754	Improvements to SIP client usage on Virtual tags page	webapps-webcfg, jccpserver
7830	Minor bug fixes to JCCPServer serial number page	jccpserver
7833, 7899, 7974	Improved JEM-4 models to ensure usage is similar to JEM-2 when in emulation mode	jccpserver, jem4-audio-swu
8059	Improved handling of syntax when configuring membership on the Virtual tags page	jccpserver
7999	Expressions can now be used for auto-divert-time setting so only selected devices will divert when the time is matched	jccpserver

JCCPSERVER VERSION 7.97.81

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 the release of version V7.97.70.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7631	Group calls and announcements to group calls events can be disabled so they are no longer receives by connected HLIs. Refer to JCN-0443 rev1.0 for more information.	jccpserver

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7999	Expressions can now be used for auto-divert-time setting so only selected devices will divert when the time is matched	jccpserver
8042	Improved handling of redis with device alarm states on jccpserver restart	jccpserver

JEM-2 VERSION 7.97.80

JEM-2 firmware is used on all JEM-2 based audio intercoms including IPM-3X0, VSL-3XX, XXI-3X1 and HPU-5E2X models. This section details changes made to the JEM-2 firmware since the release of version V7.97.70.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
5096	Devices will now correctly use firmware-tftp-server setting to upgrade when using a third party DHCP server	j2m797-80.bin

When upgrading JEM-2 devices to V7.97.42 or greater it is important that ELI devices are not upgraded as they are no longer supported. For more information, refer to ECN-169.

JEM3 VERSION 7.97.79

JEM3 firmware is used on JEM3 based video intercom models including VMS-750, VES-741, VES-75K as well as the audio models VSL-74K and VSA-76K. This section details changes made to the JEM3 software since the last release version V7.97.47

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
4897	VMS-750 devices are now able to divert calls to bridges that contain themselves	jem3rf2files-7.97.79

DAR VERSION 8.00.60

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.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7693	Improved handling of SIPVPN certificates for high availability systems	syscfg, webapps-webcfg, sipvpn-dar-server, sipvpn-client-server

DAR VERSION 7.97.78

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 release of V7.97.77

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7466	Improvements to the handling of covert monitor streams in scenarios where the streams are restarted	dar

EVENT CONTROLLER VERSION 8.05.51

Jacques Event Controller software provides simplified interfaces for the integration of external systems and products into the IP communications system. This section details new features and improvements added to Event Controller software since the previous release.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7767, 7768, 7781	Improvements to event controller ADAM configuration	syscfg, webapps-webcfg, jevent

SIPPROXY VERSION 8.05.45

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
7752	Improvements to editing capabilities within opensips trunks header	syscfg, webapps-webcfg, opensips-webcfg
7994, 8003	Improvements to integration with third party SIP PA speakers	syscfg, webapps-webcfg, sipproxy, jccpserver

J650UI VERSION 8.24.55

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.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
6236	Local volume and audio channel controls have been added to J650UI. For information on enabling this feature, refer to JED-0431 rev2.2 section 10.13	j650ui
7261	JCCPServer logging has been added to J650UI, allowing for logging to be sent to the local PC. Refer to JED-0431 rev2.2 section 2.2	j650ui

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
7656	Improvements to device state for remoted devices on endpoints page	j650ui
7729	Improvements to the handling of daylight savings within J650UI JAS browser	j650ui, webapps-jas
7887	J650UI map pages can now be configured without being connected to JCCPServer	j650ui

IRS VERSION 8.06.52

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
7596	Live events call accounting table now includes detailed description of events	webapps-irs
7599, 7650, 7733	Report specifications improved to show export method, allow for editing, increased report period options and test run functionality	webapps-irs
7637, 7481	Improvements to several event codes	webapps-irs

JAS VERSION 8.00.52

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
7500	Minor bug fixes to the calendar page	webapps-jas
7868	Improvements to the handling of JAS during the upgrade process	webapps-jas
7659, 8044	Improvements to usability of JAS within J650UI browser	webapps-jas
7856	Improvements to JAS V7 database backup restoration	webapps-jas

ROLES AND PERMISSIONS VERSION 8.00.51

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
7651, 7652	Improvements to tooltips on permissions pages	webapps-users
7676	Improvements to the handling of user database during the upgrade process	webapps-users
7694	Full stops can now be added to usernames	webapps-users
7795	Improvements to user log exporting	webapps-users

MNS VERSION 8.00.17

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.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
6879	MNS application for Windows PC – display of Qbutton and emergency display message in app. Refer to JCN-0444 rev1.0 for more information.	syscfg, webapps-mns

CONTACT DETAILS

Ph: +61 7 3846 8400
Email: info@jacques.com.au
Website: www.jacques.com.au

ABN: 48 074 448 712