

**JED-0494**  
**RELEASE NOTES C7**  
**OCTOBER 2020**

## **650 SERIES IP COMMUNICATION SYSTEM SOFTWARE RELEASE**

The Jacques 650 series IP Communication System software suite OCTOBER 2020 release consists of the following software modules:

- JELinux
- Jacques Call Control Protocol (JCCP) Server
- Jacques 650 User Interface (J650UI)
- JEM-2 intercom firmware
- JEM-3 intercom firmware
- Digital Audio Recorder (DAR)
- Report Server
- Voice Annunciator (VANN)
- Event Controller (JEVNT)
- SIPPROXY
- Jacques Announcement Schedule (JAS)

This software release cycle C7 has significant new features and improvements, including:

- Support for handling alarms on IPM Master station
- Introduces optional support for Intercom Detection via Audible Tone to assist visually impaired people
- Many improvements to JCCP Server, including configurable resend timeouts for JEM-2 devices, better handling of large PA calls and the processing of the redis call retention and online status feature
- Support for playing announcements to flexibly defined dynamic groups
- Various bug fixes and improvements

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.

## JELINUX VERSION 7.97.21

JELinux software module is the operating system at the core of the Jacques IP communications system. This section details the improvements added to JELinux software package since the release of V7.97.

### IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
3875	RAID support on latest x11 platform of JSC-5L hardware. Refer JCN-0377 rev1.1	core.jrp, boot.jrp
3800	Tested and documented disabling Arcfour Encryption on V7 platform. Refer JCN-0401 rev1.0	-
4018	Verified Latency design limitation of Jacques server. Refer JED-0118 rev4.4	-

## JCCPSERVER VERSION 7.97.21

The Jacques Call Control Protocol (JCCP) software module is specifically designed for initiating and terminating calls between Jacques intercoms. This section details new features and improvements added to JCCPSERVER software package since the release of V7.97.

### NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
3459, 3958	Introduces support for handling alarms on IPM Master station. Refer JCN-0395 (IPM Alarms Configuration) rev1.1	jccpserver.jrp j2m797-21.bin
3606	Introduces optional support for Intercom Detection via Audible Tone to assist visually impaired people. Refer JCN-0394 (Intercom Detection via Audible Tone) rev1.0	jccpserver.jrp j2m797-24.bin

### IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1942, 3902	Extra logging that may help in debugging cases where endpoints get stuck in a call state	jccpserver.jrp
3121	Devices going offline will give correct offline reason in device_state table	jccpserver.jrp
3428	Devices can now be monitored if their gproxy goes offline	jccpserver.jrp
3521	Implemented configurable JEM-2 JCCP command resend timeouts which addresses an issue experienced at large sites, where a group call causes many endpoints to reset. Refer JCN-0397 (JEM-2 JCCP Resend Timeouts) rev1.0	jccpserver.jrp, j2m797-24.bin
3733	NCV intercoms no longer require feature-accept-darmonitor=0 when configured for threshold monitoring. Refer JCN-0321 rev 1.6	iccpserver.jrp
3775	Unique RTP ports will now be assigned to each conversation that use both DAR for threshold monitoring and DAR for recording	jccpserver.jrp
3796	Acknowledge alarm events in Report Server now list the tag of the device that acknowledged the alarm	jccpserver.jrp, reportserver.jrp
3813	JCCPServer will no longer crash if it receives NULL tone node from JEM-2 device	jccpserver.jrp
3843	Large dynamic PA calls no longer cause JCCPServer to crash	jccpserver.jrp
3902, 4140	Jccpserver receives a tone notify confirmation when the endpoint handler is in the "portal state" The "portal state" is used to send heartbeat messages, whilst the server is waiting to receive a tone notify and bad timing can mean that the sending/receiving of the messages overlap.	jccpserver.jrp, redis.jrp

3902	Introduces separate thread for receiving JCCP messages and improved Acking	jccpsvr.jrp
4140	Fixes dial-failed which is out of sequence tone notify and ack	jccpsvr.jrp
4140	Fixes FAILED ASSERT message on hybrid call create	jccpsvr.jrp
4157	Fixes out of sequence 550 controller gpoutput/gpinput messages	jccpsvr.jrp
4277	Add logging to syslog via jelogrotate. Syslog logging via localhost reduces load on jccpsvr. Refer to JCN-0402 (Syslog Logging on Jccpsvr)	jccpsvr.jrp, jelogrotate.jrp, redis.jrp
4314	HLI support for jemoption-jccp-resends which addresses an issue where PA calls causes HLI to disconnect	jccpsvr.jrp, redis.jrp, jccpdll.dll

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*It is mandatory to install redis.jrp V7.97.21 on a new V7.97.21 64-bit system or when upgrading jccpsvr to V7.97.21. Failing to do so will bring the system down. For more information, refer ECN-152.*

*When upgrading jccpsvr V7.92 or below to V7.96 or higher, it is mandatory to install toosl.jrp and redis.jrp (on 64-bit systems).*

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## JEM-2 VERSION 7.97.24

JEM-2 software package has been designed for intercoms belonging to Jacques Audio Intercom system, Help Point unit system and public address system. This section details improvements added to the JEM-2 software version since the release of version V7.97.

### IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
3870	JEM-2 tones are now loaded in correct order on IPM and SMI devices	jccpsvr.jrp, j2m797-24.bin
4479	JEM-2 with relay modules and J550C controllers will no longer constantly reset due to lack of ELI support	j2m797-24.bin

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*When upgrading JEM-2 devices to V7.97.24, it is important that ELI devices are not upgraded as they are no longer supported. For more information, refer to ECN-169.*

*Due to an issue found with JEM-2 V7.97.21, the firmware has been updated to V7.97.24 to resolve this issue.*

*Refer ref# 3459, 3958, 3606, 352 in JCCPSERVER section above for more updates in JEM-2 firmware.*

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## DAR VERSION 7.97.21

Digital Audio Recorder (DAR) software module acts as a digital processor to perform audio echo cancellation, SIP recording, analog recording, threshold monitor, covert monitoring and background music streaming. This section details the list of improvements added to DAR software since the release of version V7.97.

### IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
4364	Monitoring a device with all record channels occupied will no longer cause DAR to crash	dar.jrp

## EVENT CONTROLLER VERSION 7.97.21

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 added to Event Controller software since the last release of version V7.97.

### NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
4250	Event Controller can now create dynamic group tags. Refer to JCN-0403 (Event Controller – Dynamic group announcement) rev1.0	jevent.jrp, jccpsvr.jrp

### IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
3809	Added IAV support for bridge tags and queued calls	jevent.jrp, jccpsvr.jrp

## J650UI VERSION 8.24.11

The Jacques J650UI is a graphical interface designed to run on 32bit and 64bit Windows platforms. 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 improvements added to J650UI software since the last release version V8.24.

### IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
4314	Implemented support for jemoption-jccp-resends which addresses an issue where PA calls causes HLI to disconnect	J650UI-media-setup application
3782	Improvements to clearing and acknowledgement of alarms to support IPM alarms	J650UI-media-setup application

## HLISDK DEV KIT 7.97.21

The HLISDK Dev Kit is used to enable integration of Jacques products to existing server systems. This section details a list of improvements added to HLISDK Dev Kit since the release of version V7.97.

### IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
3755	Jccpdll.dll now supports Address Space Layout Randomization, Data Execution Prevention and Buffer Overflow Protection	Hldevkit-V7.97.21.zip

### NOTE

Voice Annunciator (VANN) V7.97.21, Sipproxy V7.97.21, Jacques Announcement Scheduler (JAS) V7.97.21, ReportServer V7.97.21 and JEM-3 V7.97.21 software packages of 650 series IP Communication System do not include any updates since release cycle 6.

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