

JED-0460
RELEASE NOTES C5
JUNE 2019

650 SERIES IP COMMUNICATION SYSTEM SOFTWARE RELEASE

The Jacques 650 series IP Communication System software suite June 2019 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 Scheduler (JAS)
- HLI Development Kit (HLIDEVKIT)

This software release cycle C5 has many new features, including:

- Distributed DAR recording using VPN tunnel solution
- Improved performance of server to re-establish calls during failover
- Allows captured RTPDevice data as AEC reference. This addition allows the separation of the source of BGM and the processing of the AEC for enhanced covert monitoring
- Ability to setup ucarp virtual_id in JELinux webconfig
- Improved AEC performance for JEM-3 devices
- Call control panel is now available on Map page of j650UI
- 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 7.96

JELinux software module is the operating system at the core of the Jacques IP communications system. This section details the new features and improvements added to JELinux software package since the release of V7.95.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1365	New option for GPS - NTP time Sync on standalone 650 System	ntp.jrp
2397	Ability to setup ucarp virtual_id in JELinux webconfig. Ref: JED-0298 & JED-0196	webconfig.jrp, ucarp.jrp

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2846	JELinux virtual machine image now finds partitions during boot when changing the bus from IDE to SCSI (LCI Logic Parallel) on VMWare	boot.jrp, core.jrp, webconfig.jrp

JCCPSERVER VERSION 7.96

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 V7.95.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
293	Auto-end-hold timer solution to enhance VES to support ending a call if the "end call" button is pressed during a held call	jccpserver.jrp

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1274	Improved reliability of 'Remote on device startup'	jccpserver.jrp
2214	Fixed issue where tag_membership entry with empty tag_regexp causes jccpserver to crash by enhancing TagTreeNode::getCanAnswer to avoid infinite recursion	Jccpserver.jrp
2390	Fixed issue where heartbeats not sent to device whilst waiting for tone notify response	jccpserver.jrp
2407	Fixed issue where server_settings: endpointstream-port seems to have no effect	jccpserver.jrp
2436	Improved performance of server to re-establish calls when a node goes offline	jccpserver.jrp
2486	Ability to change callbooth setting on J650UI when booth is enabled. Previously, it was showing an error message.	jccpserver.jrp
2499	Fixed record output locking where DAR would stop calls from working when they get to a certain number of online intercoms.	jccpserver.jrp
2690	Fixed issue where volume changes on monitor calls were ignored on J650UI and HLI	jccpserver.jrp
2720	Improved reliability of calls being re-established on jccpserver restart for redis enabled systems	jccpserver.jrp
2819	Fixed issue where if multiple users on the same Windows PC used J650UI it would crash jccpserver	jccpserver.jrp

If a cproxy is set to handle calls while it's HLI is offline, and the HLI is required for recording, the cproxy will not record calls (REF#2886). This issue is scheduled to be fixed in future release cycle, however workaround for this can be found in ECN-0156.

It is mandatory to install redis.jrp on a new V7.96 64-bit system or when upgrading jccpserver to V7.96. Failing to do so will cause jccpserver to enter zombie mode causing whole system to be down. For more information, refer ECN-152.

When upgrading jccpserver V7.92 or below to V7.96, it is mandatory to install tool.jrp and redis.jrp (on 64bit systems).

JEM-2 VERSION 7.96

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 new features and improvements added to the JEM-2 software version since the release of version V7.95.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2445	Fixed issue where UAI does not show indicator LED when monitoring	j2m796-0.bin, jccpserver.jrp
2691	Fixed issue where audio stops when monitoring a 550 slave for an extended time	j2m796-0.bin
2697	Fixed issue with 550 hybrid devices being dropped from 650 group calls	j2m796-0.bin
2146	Fixed issue where Cell to Cell calls would lose audio or drop from the call	j2m796-0.bin, dar.jrp

It was found that JEM-2 devices were not getting DHCP addresses from Allied Telesis switches (REF#1906). This can be solved by enabling "spanning-tree autoedge" within the Allied Telesis switch.

JEM-3 VERSION 7.96

JEM-3 software package has been designed for intercoms belonging to Jacques Video Intercom system. This section details new features and improvements added to JEM-3 software since the release of version V7.95.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2133	Improved echo and feedback issues with jem3 intercoms. Ref: ECN-154	jem3rf2files-7.96.jrp
1166	JEM-3 VMS-750H volume slider now works when using handset	jem3rf2files-7.96.jrp
2371	VMS-750 no longer displays hold button if feature-forbid-hold is enabled	jem3rf2files-7.96.jrp, jccpserver.jrp
2470	VSA-76K model now shows when upgrading firmware	jem3prog.jrp
2421	VMS-750 screen will no longer freeze when forwarding an outbound call	jem3rf2files-7.96.jrp
2565	Handset volume is now consistent between calls as well as switching between using the handset and not using it	jem3rf2files-7.96.jrp

Note that if JEM3 devices are upgraded to V7.96 or greater, please refer to ECN-154 for audio level corrections.

DAR VERSION 7.96

Digital Audio Recorder (DAR) software module acts as a digital processor to perform audio echo cancellation, SIP recording, analog recording and threshold monitoring, covert monitoring and background music streaming. This section details the list of improvements added to DAR software since the release of version V7.95.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2021	Allows captured RTPDevice data as AEC reference. This addition allows the separation of the source of BGM and the processing of the AEC for enhanced covert monitoring	dar.jrp
2326	Distributed DAR recording using VPN Tunnel solution Ref: JED-0457	dar.jrp,vtun.jrp,openvpn.jrp, sipvpn_dar_server.jrp sipvpn_client.jrp

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1925	DAR no longer resets due to corrupt aecstate files	dar.jrp
2590	DAR no longer stops recording on high availability failover. Ref: ECN-155	dar.jrp
2613	DAR no longer freezes from calls being created on server shutdown	dar.jrp

EVENT CONTROLLER VERSION 7.96

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 V7.95.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2866	Add support for buttonselftest and mobilephonedetected in [tag-alarm-trigger-name]	jevent.jrp

Conditional operators in Event Controller scripts were previously not documented properly (REF#2439). Please refer to JED-0125

JAS VERSION 7.96

Jacques Announcement Scheduler (JAS) software module is a public address and bell scheduling interface that runs on the Jacques system controller. This section details list of improvements added to JAS software since the release of version V7.95.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2498	JAS Help Documentation now links to Jacques support portal	jas.jrp
2572	Upgrading JAS from V7.66 to V7.95 should not cause database connection to be lost	jas.jrp

SIPPROXY VERSION 7.94

Session Initiation Protocol (SIP) is a signalling or communications protocol that can establish, modify, and terminate multimedia sessions/calls or conferences such as Internet telephony calls. SIP is normally implemented over standard TCP/IP networks.

This section details new features and improvements added to SIPPROXY software since the last release version V7.95

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2393	Fixed SIPProxy crash when an inbound call is made with no tag_capability	sipproxy.jrp

J650UI VERSION 8.23

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 V8.20.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
961	Call, Isolate, Monitor, Remote, Remote Other, Forward and Hold can now all be performed on the Map page	J650UI-media-setup application
1105	Alarm Audio can now be deleted or turned off once configured.	J650UI-media-setup application
1869	Images can now be added to a Map page.	J650UI-media-setup application
1779	Status icons now available for monitoring HA servers in Map page. Ref: JCN-0380	J650UI-media-setup application

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1615	Action, Schedules and Preference settings for Report Server can now be edited when running in J650UI	J650UI-media-setup application
1369	When "Select via Icon Only" feature is selected, small icons should no longer become corrupt images	J650UI-media-setup application
1692	Fixed issue where J650UI VAM threshold alarms do not show if the background colour is white	J650UI-media-setup application
2216	Creating and removing duplicate cell to cell call booths should no longer J650UI to crash on call	J650UI-media-setup application
2410	Use of Visual Audio Monitor label is now consistent	J650UI-media-setup application
2428	Audio alarms that were previously uploaded to J650UI can now be reused	J650UI-media-setup application
2466	Map page endpoints can now be moved when "Select Via Icon Only" is enabled	J650UI-media-setup application
2816	Moving a UAI monitor icon while editing the Map page will no longer cause J650UI to crash	J650UI-media-setup application

HLISDK DEV KIT 7.96

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 V7.95.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2574	x64 jccpdll.dll can now be run. Ref: JED-0425	Hldevkit-V7.96.zip

NOTE

Voice Annunciator (VANN) V7.96, Sipprox V7.96 and Report Server V7.96 software packages of 650 series IP Communication System do not include any updates since release cycle 4.

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