650 SERIES IP COMMUNICATION SYSTEM SOFTWARE RELEASE

The Jacques 650 series IP Communication System software suite November 2018 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
- Event Controller
- SIPPROXY
- Jacques Announcement Scheduler (JAS)
- HLI Development Kit (HLIDEVKIT)

This software release C4 includes many updates, including:

- New product launch of Jacques IP Smart Ceiling Speaker SCS-150+ & SCS-150C+
- Retaining calls after Jacques server failover
- Monitoring HA server status on J650UI
- Integration to Milestone XProtect Corporate solution
- User level password protection for JAS and Report Server
- Pro-slaves support to Hybrid solution
- Various bug fixes and features

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

JELINUX VERSION 7.95

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 V7.94

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
256	Add support for DNS address in NTP server field in JELinux web interface	webconfig.jrp, ntp.jrp
257	Add support for DNS address in JELinux web interface. Refer JCN-0306 rev2.2	webconfig.jrp, core.jrp
1854	VMXNET3 network interface support in JELinux kernel	boot.jrp

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1515	Enhanced the handling of TFTP (intercom) firmware upgrade on High Availability (UCARP) systems when intercoms are on multiple subnets. Refer ECN-151	ucarp.jrp
2006	Enhance webconfig so that it strips all non-printable characters from filenames before generating output files such as a jebackup archive	webconfig.jrp
2124	Fixed support for missing host_ecda_key on 64bit systems	core.jrp
2166	Fixed validation of Host Name characters in webconfig, now only allows alphanumeric and '_', '-' characters	webconfig.jrp
2208	Removed all references to actual site data in webconfig Help pages	webconfig.jrp, wcfevent.jrp, tftpd.jrp, vann.jrp, jccpserver, sipproxy.jrp

JCCPSERVER VERSION 7.95

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 V7.94.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1828	Implemented redis server database for prevention of calls after Jacques server failover. Supports 64-bit system only. Refer JCN-0385 rev1.0	jccpserver.jrp, redis.jrp, ucarp.jrp
2292	Support for new product IP Ceiling Speakers SCS-150+ and SCS-150C+. Refer JED-0449 rev1.0 and JCN-0387 rev1.0	jccpserver.jrp redis.jrp for 64-bit system

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1958	Successfully resets the ATSM analyser if the endpoint goes offline between the background and foreground samples. Previously, it was causing problems in clearing mic alarms	jccpserver.jrp redis.jrp for 64-bit system
2011	Fixed relay trigger when IPM is ringing and connected. Refer to document JCN-0327 rev2.3	jccpserver.jrp redis.jrp for 64-bit system
2017	Fixed 'open-door-allowed=never' feature on VMS. Refer JCN-0327 rev2.3	jccpserver.jrp redis.jrp for 64-bit system

2026	Offline devices in NCV not showing red cross on GUI. Previously, the jccpserver did not recompute the offline/online state of static call booths during server startup.	jccpserver.jrp redis.jrp for 64-bit system
2212	J650UI can now successfully disconnect NCV call if the call is connected via button-E	jccpserver.jrp redis.jrp for 64-bit system

It is mandatory to install redis.jrp on a new V7.95 64-bit system or when upgrading jccpserver to V7.95. Failing to do so will cause jccpserver to enter zombie mode causing whole system down. For more information, refer ECN-152.

When upgrading jccpserver V7.92 or below to V7.95, it is mandatory to install tool.jrp and redis.jrp.

JEM-2 VERSION 7.95

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 V7.94.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1549	Added support for Pro-Slaves to the 650 hybrid solution	j2m795-0.bin

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2193	Fixed JEM-2 memory corruption. Previously, if the server sent an unhandled line as its first message ack_response_multipoint would be un-initialised and cause memory corruption.	j2m795-0.bin

JEM-3 VERSION 7.95

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 V7.94.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2095	Added support for VSA-76K Clean room intercom to work as a master station. Refer to JED-0367 rev1.5 and JCN-0383 rev1.0	j650slave.jrp

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2108	Speed up httpvideo by designating the parent process to handle screenshot reception and delegating data processing to a child process.	httpvideo.jrp
2129	Fixed open door display on VMS when a call is made to a bridge tag.	j650video.tx27.jrp

DAR VERSION 7.95

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 list of improvements added to DAR software since the release of version V7.94.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
753	Fixed monitor calls with zero time record duration when model ARI-8 is used	dar.jrp
1177	All system generated files now display correct company details	dar.jrp, jccpserver.jrp redis.jrp for 64-bit system
1704	Fixed error when multiple DAR servers cause monitor calls to not record. Requires model_setting: 'DAR-NOCALL|feature-accept-darmonitor|0' for recording DAR server.	dar.jrp jccpserver.jrp, redis.jrp for 64-bit system
1951	Decibels are labelled correctly on DAR web config	dar.jrp
1997	Fixed 'Compute Answering Tag' feature causing audio loss when VSL calls HLI with cproxy that has DAR gproxy.	dar.jrp
2016	Fixed monitor audio loss issue when 'Compute Answering Tag' feature enabled.	dar.jrp

EVENT CONTROLLER VERSION 7.95

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 V7.94.

NEW FEATURES

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
2314	Supports HLI with Milestone XProtect 2016 and above. Refer JED-0426 rev1.0 and JED-0411 rev1.2	jevent.jrp

JAS VERSION 7.95

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 V7.94.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1971	Added password protection to JAS. Refer JCN-0381 rev1.0 'JCN-0382 rev1.0	core.jrp
1995	JAS interval bell repeat period fixed for period=0	jas.jrp
1996	Fixed issue with JAS breaking if Databases don't match. Introduced a 'Repair Database' feature.	jas.jrp
2012	Fixed issue with JAS leaving mp3 files in temp directory when uploading audio.	jas.jrp
2134	Issue fixed where JAS audio manager cannot calculate end time if mp3 filename includes an open bracket with no closing bracket.	jas.jrp
2402	Fixed issue with adding announcements to schedules. Problem occurs when the announcement file size shows 0 length in /var/state/announcements. Enhanced 'Repair Database' to re-create announcement files.	jas.jrp

J650UI VERSION 8.22

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.

IMPROVEMENTS

REF#	DETAIL	AFFECTED SOFTWARE PACKAGES
1408	Fixed J650UI 'rename configuration' by changing its function to 'copy configuration'	J650UI-media-setup application
1779	Add support for monitoring HA server status on J650UI Refer JCN-0380 rev1.0	J650UI-media-setup application
2342	Fixed issue where mic alarm is not cleared if jccpserver is restarted.	J650UI-media-setup application

NOTE

Voice Annunciator (VANN) V7.95, Sipproxy V7.95 and Report server V7.95 software packages of 650 series IP Communication System do not include any updates since release C2.

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