# 650 SERIES IP COMMUNICATION SYSTEM

## SOFTWARE RELEASE CYCLE 8

The Jacques 650 series IP Communication System software suite DECEMBER 2021 release affects 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)

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 (V7)

JELinux is the operating system used on Jacques 650 series intercom controllers and servers. This section lists changes made to JELinux packages since version 7.97.21

## NEW FEATURES

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|---|---|---|
| 4140 | *syscfg attribute* now supports use of quotes to enclose values that include spaces. | core |
| 4140 | *customservice* can run *tcpdump* as a service to capture network traffic and save to multilog. Used by support only. | core customservice daemontools jelogrotate |

## JCCPSERVER VERSION 7.97.42

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 V7.97.21.

## NEW FEATURES

| | | |
|---|---|---|
| 3963 | Support for ending a ringing bridge call, if any of the answerers end the call (i.e, pressing "Decline" ends call for all members of a bridge. Refer JCN-0407 (Enable Decline Call for VMS Bridges) rev1.0 | jccpserver |

## IMPROVEMENTS

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|---|---|---|
| 3902 | Fixed issue where intercoms could not originate calls due to resources not being released | jccpserver |
| 4207 | Jccpserver will no longer crash when DUMMYSLAVE is used | jccpserver |
| 4463 | IPM devices cannot be monitored by default. Refer JCN-0406. | jccpserver |
| 4618 | Improve handling of on-hold calls to prevent endpoint getting stuck in a call | jccpserver |

*When upgrading jccpserver V7.92 or below to V7.96 or higher, it is mandatory to install tools.jrp and redis.jrp (on 64-bit systems). To re-enable the ability for IPM devices to be monitored, refer to JCN-0406 (Allow IPM to be Monitored).*

## JEM-2 VERSION 7.97.42

JEM2 firmware is used on all JEM2 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 V7.97.21.

## IMPROVEMENTS

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|---|---|---|
| 4479 | Restore serial protocol operation. Earlier they were non operational and caused the device to reset | j2m797-42.bin |
| 4677 | JEM-2 no longer crashes when pressing the AUX button while being monitored | j2m797-42.bin |

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

## DAR VERSION 7.97.42

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 changes made to DAR software since the release of version V7.97.21.

### NEW FEATURES

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|---|---|---|
| 4669, 5107 | Introduce darscope logging, which allows for packet monitoring of the DAR stream. Used by our support team only. | dar, darscope |

### IMPROVEMENTS

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|---|---|---|
| 4835 | Modification to prevent massive increase in CPU usage when using darscope logging | dar |
| 5107 | Loss of audio no longer occurs due to JEM-2 packet backlog | dar |

## JEM3 VERSION 7.97.42

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 V7.97.21

### IMPROVEMENTS

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|---|---|---|
| 4412 | Endpoints no longer reset after short calls | jem3rf2files-7.97.42.jel.x86_64.jrp |

## SIPPROXY 7.97.42

SIPPROXY is an additional feature that allows calls between Jacques 650 intercoms and SIP phones. This section details the changes made to SIPPROXY since the release of version V7.97.21.

### IMPROVEMENTS

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|---|---|---|
| 4828 | Reduced sip registration time-out time to prevent multiple instances of the same device being registered | sipproxy |
| 5095 | Fixed false call reconnection after sipproxy hangs up call | sipproxy |

*If you are using sipproxy, it is strongly recommended to upgrade sipproxy to this version.*

# EVENT CONTROLLER VERSION 7.97.42

Jacques Event Controller is an additional feature that provides interfaces for the integration of external systems and products into the IP communications system. This section details changes made to Event Controller software since the last release, version V7.97.21.

## IMPROVEMENTS

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|------|--------|----------------------------|
| 5210 | Creating multiple announcements in quick succession will no longer cause event controller to lock up | jevent |

# REPORTSERVER VERSION 7.97.42

Report Server software module is used to keep track of all events that occur on the Jacques system controller. This section details the list of features added to Report Server since the release of version V7.97.21.

## IMPROVEMENTS

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|------|--------|----------------------------|
| 3541 | Fix output of eventcode 2015, Call Statistics. Previously the payload type was reported as the number of packets | reportserver |

# J650UI VERSION 8.24.28

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 improvements added to J650UI software since the last release version V8.24.11.

## IMPROVEMENTS

| REF# | DETAIL | AFFECTED SOFTWARE PACKAGES |
|------|--------|----------------------------|
| 4894 | Updated current suite of j650ui icons so that backgrounds are transparent. Refer JED-0431 (J650UI Configuration Reference Manual) rev1.5 | J650UI-media-setup application |
| 1868 | Name of back to normal button for static emergency announcements can be changed. Refer JED-0431 (J650UI Configuration Reference Manual) rev1.5 | J650UI-media-setup application |
| 1868 | Colour of active and non-active emergency announcements can be changed. Refer JED-0431 (J650UI Configuration Reference Manual) rev1.5 | J650UI-media-setup application |

# SOFTWARE NOT AFFECTED BY RELEASE CYCLE 8

The following software applications do not have any changes since release cycle 7.

- Voice Annunciator (VANN) V7.97.42,
- Jacques Announcement Scheduler (JAS) V7.97.42
- HLI Development kit (JCCPDLL.DLL) V7.97.42

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