

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

The Jacques 650 series IP Communication System software suite in December 2016 release consists of following software modules:

- JELinux
- Jacques Call Control Protocol (JCCP) Server
- Jacques 650 User Interface (J650UI)
- JEM-2 intercoms firmware
- JEM-3 intercoms firmware
- Digital Audio Recorder (DAR)
- Report Server
- Voice Annunciator
- Event Controller
- SIPPROXY
- Jacques Announcement Scheduler (JAS)
- JEM IP Configurator

This major software release C1 includes many updates and new features, including:

- Change of Jacques default multicast address.
- Redesigned the PC master Graphical User Interface (GUI).
- Introduction of V8 JELinux for J650UI package.
- Cell to Cell communication feature that allows two intercoms to be paired up via Jacques PC Master J650UI or JAS to communicate for pre-defined duration.
- A new utility, JEM IP Configurator for assigning IP addresses to JEM-2 and JEM-3 devices.
- Various bug fixes and features.

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

## JELINUX VERSION 7.92

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 V7.89.

### NEW FEATURES

REF#	DETAIL
283	Added support for anti-ping nodes. This feature can be used to achieve local network upon disconnection of the local server from the main network. For information on configuration, request for JCN-0368.
804	Improved safety when changing shell/ssh password on JEM-3. For information on configuration, please request for JCN-0365.

### IMPROVEMENTS

REF#	DETAIL
1191	Updated copyright notice on JELinux boot up.

## JCCPSERVER VERSION 7.92

The Jacques Call Control Protocol (JCCP) software module is specifically designed for initialling and terminating calls between Jacques intercoms. This section details the new features and improvements added to JCCPSERVER software package since the release of V7.86.

### NEW FEATURES

REF#	DETAIL
1003	Dial-child button setting is now available as a model_setting.
1053	Established a timer for callbooth calls with a predefined duration of the call.
1054	Introduce "callbooth" calls so that the J650UI can initiate "callbooth" calls which have dynamically defined durations.
1056	Added support for flexible playing of announcements at the start and end of a cell to cell call.

### IMPROVEMENTS

REF#	DETAIL
726	Fixed error where JCCPserver ran out of sockets for text messages error.
885	Fixed VSL-37x series ATSM failures.
895	VSL-354QS+ model has now been referenced to jccpmod.ini.
967	Propagate auxstream channel changes to members of groups.
968	Distribute auxstream channel change messages to interested HLLs. This information is now also seen on the individual intercom aux channel sliders.
1012	All Jacques standard products have now been included in jccpmod.ini
1179	New multicast address ranges for both bridge/group calls and background entertainment streaming to prevent conflict with customer addresses.
1252	Improved cell to cell setup start and end announcements, when multiple channels are enabled and connected at the same time
1293	Fixed issue where Call button does not appear while switching intrude calls.

## IMPACT OF UPGRADING JCCPSERVER TO V7.92

When upgrading from the previous jccpserver to V7.92, note that Jacques default multicast base IP will be changed from 239.192.0.10 to **224.0.3.0**. This change was due to Jacques original multicast address clashing with some brands of managed layer 3 switches such as Allied Telesis. Sites which do not want to change the multicast address to the new address, an explicit server\_setting entry must be created before the jccpserver software upgrade:

```
resource-allocator-mc-base | 239.192.0.10
```

Please request for ECN-138 for more details.

## J650UI VERSION 8.16.6

Jacques 650 User Interface (J650UI) is a Graphical User Interface (GUI) software module developed by Jacques for its GUI-based PC master solution. It allows the users to interact with Jacques intercom devices through graphical icons and visual indicators available on screen. This section details new features and improvements added to the first V8 software of Jacques J650UI application.

### NEW FEATURES

REF#	DETAIL
219	Completely revised icon system in J650UI. New graphics designed and a system implemented to allow detailed customisation of endpoint display.
230	When the channel for a given tag is changed, any sliders displaying the channel on the J650UI will automatically update.
361	CCTV streams associated with 3 <sup>rd</sup> party cameras may now be displayed directly on J650UI interface in addition to JEM-3 camera streams.
582	Expanded video receive capability on J650UI. Multiple camera streams from JEM-3 slave intercoms can now be displayed directly on the J650UI interface.
899	Password Protection for Call Monitoring is now available.
903	Option to include Volume and Channel sliders in J650UI interface.
904	Improve hiding of endpoint icon paraphernalia.
962	Non-Contact Visits (NCV) feature is now built into standard J650UI.
1048	Introduced a Time Stamp column on Alarm Table of the J650UI.
1062	Enhance J650UI username password for exiting the GUI different from the admin password.
1063	Cell to Cell communication feature is now build into standard J650UI.
1078	Optional hiding of alarms time stamp column.
1207	NCV Call booth controls now display the tag descriptors of the intercoms.

### IMPROVEMENTS

REF#	DETAIL
501	Navigation buttons too small, text not centered when many buttons required. Button size increased, the text is centered correctly.
502	Video receive not working on JEM-3, CCTV is working OK. Both jem-3 and CCTV video now display correctly.
505	Home icon does not work in video receive page. Touching home button now returns user to the Home page.
744	V8 J650UI volume control has incorrect colours. Volume control is correct colour now, white knob on white background with graduations in black.
774	Correct behaviour of J650UI Edit GUI pages. Edit GUI page is now fully functional.

775	J650UI not responding with correct resolution on reboot. Edit GUI page now working correctly.
795	PDF format of report server reports is supported.
795	V8 J650UI JELinux does not support PDF. PDF is now displayed with zoom controls.
799	J650UI Report Server page header buttons issues. All headings and buttons are now centered in report server and are correct.
801	Report Server PDF zoom state is now retained and does not require resetting constantly.
802	J650UI Report Server PDF zoom page has messy Logout page view. Selecting logout produces the message prompt and is a cleaner look.
803	J650UI Report Server Browser Print button displays incorrect preview. When Print is selected, print preview page displays the PDF.
813	J650UI aspect ratio of video receive window is incorrect and has been fixed.
829	Improved J650UI lookout as per Jacques colour standardisation.
838	Improved handling of call when intercom is disconnected from jccpserver.
865	Video receive windows are now located consistently within their respective pages.
870	Custom file is now created successfully as .zip format file without any error.
891	J650UI now displays leading 0s on tags. e.g. 003, 0003.
901	J650UI crashed when Print selected. The page is now printed correctly, GUI does not crash.
902	The font used throughout the GUI is now changed from Times Roman to the standard font.
905	J650UI active button area too small. The mouseover active area has been increased from text only to full button size.
906	J650UI font and justification not consistent. All navigation Headings are now CAPS and centered.
910	J650UI 64bit does not overwrite previously installed versions of J650UI 32bit in Windows is now fixed.
931	J650UI Windows version, 'Hide Taskbar' feature only partially working. The GUI will be Full Screen and both left and right Windows keys not functional.
947	J650UI uses grayscale icons for offline/remote/isolate - even if a state-specific icon exists is now fixed.
980	Automatic Map switching has been improved and is more reliable.
980	When the priority is changed for the same endpoint with a higher number, then icon colour changes to emergency colour when connected.
986	J650UI NCV booth has REC icon removed.
987	J650UI when an icon changes state it moves slightly. After saving and selecting an endpoint, the icon does not move anymore.
993	Icon selectable area too big causing overlap. This was resolved with the "Select via Icon only" feature, where only the endpoint icon will react to mouse clicks.
1021	Audio Alarms did not work and users could not choose wave files that are already in media directory. Changing from gstreamer to Windows System Play Sound function to play audio files solved this issue.
1031	When "Hide Endpoint Labels" feature is enabled, the descriptor would be displayed correctly when an endpoint is right-clicked.
1041	The un-remote button is not greyed out on Bridge tag fixed.
1085	An incorrect font was visible for both the "Installing custom package" and "Create Custom Zip Package" dialog boxes. This has been rectified.
1092	Clearing alarm from the icon is not in sync with the Alarms page. A more robust method for calculating alarms was introduced to solve this issue.
1151	Crashes using Intercom Camera Feature now fixed.

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1204	The windows installer now places files in sub-folders of “Jacques Technologies”.
1212	The issue with Monitor password does not work if monitored via call booth controls now fixed.
1216	Call Other button is not enabled correctly for systems that use older style NCV configurations.
1223	End announcement is not played if a call is disconnected from the GUI – Cell to Cell has been fixed.

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## IMPACT OF UPGRADING FROM V7 TO V8 J650UI

1. When upgrading from V7 J650UI to V8 J650UI, all the endpoint colours will change as per the below new advanced icon state system.



2. If the J650UI is installed on a Jacques JELinux operating system platform, upgrade from V7 J650UI JRP package to V8 J650UI YRP package is **NOT** possible. A new installation of V8 JELinux is required.
3. Upgrade on a previous windows based J650UI install will store the application data to a sub-folder “Jacques Technologies” so it won’t pick up any existing J650UI custom files. The solution is to create and save custom package before upgrading the application by navigating to **Settings → Configuration → Create custom package**. Once all the existing custom packages are created and saved, upgrade the application and install the saved custom file by navigating to **Settings → Configuration → Install custom package**. Another solution is to navigate to the old J650UI Application Data folder “Jacques Electronics” and copy all the custom files into the new “Jacques Technologies” folder.

## JEM-2 VERSION 7.92

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 the improvements added to the JEM-2 software version since the release of version V7.88.

### IMPROVEMENTS

REF#	DETAIL
171	Fixed JEM2 intercom hiss/buzzing fault when a monitor call is made to it.
708	Fixed addressing of the first intercom if the starting address is 9 on the concentrator
1150	JEM2 now correctly handles NIC overflow. The previous version may have experienced recoverable resets.

## JEM-3 VERSION 7.92

JEM-3 software package has been designed for intercoms belonging to Jacques Video Intercom system. This section details improvement added to JEM-3 software since the release of version V7.85.

### IMPROVEMENTS

REF#	DETAIL
773	VES-741 Pixelated Video Stream issue investigated, and video bitrate can now be adjusted via tag_device_settings to improve quality.
792	Implemented ability to adjust JEM-3 (particularly VES-75K and VSA-76K) mic gain and preamp settings via HeidiSQL.
1077	Fixed issue where VMS-750 stops working after jccpserver restart.

## DAR VERSION 7.92

Digital Audio Recorder (DAR) software module acts as a digital processor to perform audio echo cancellation, sip recording, analog recording, threshold monitoring, covert monitoring and background music streaming. This section details the new features and improvements added to DAR software since the release of version V7.88.

### ENHANCEMENTS & NEW FEATURES

REF#	DETAIL
1157	Added support for single recording of cell to cell call events.

### IMPROVEMENTS

REF#	DETAIL
1029	Fixed issue with zero length recordings of JEM-3 devices.

### IMPACT OF UPGRADING DAR TO V7.92

1. When upgrading from previous DAR to V7.92, please be aware that Jacques default RTP streaming multicast address has been changed from 224.0.0.10 to **224.0.2.0**. If DAR is used for background streaming, change in server\_setting and dar.backgroundmusic.ini file is required. Please request for ECN-138 for instructions on changing the multicast address ja

## REPORT SERVER VERSION 7.92

Jacques Report Server software package has been designed to provide detailed and accurate reporting of live activities across the Jacques IP Communication System. This section details the new features added to the REPORT SERVER software since the release of version V7.89.

### NEW FEATURES

REF#	DETAIL
1253	Introduced new call event 1164 for supporting detailed logging of cell to cell call events.

## JAS VERSION 7.92

Jacques Announcement Scheduler (JAS) software module is a public address and bell scheduling interface that runs on a Jacques system controller. This section details new features and improvements added to JAS software since the release of version V7.66.

### NEW FEATURES

REF#	DETAIL
1049	JAS now supports scheduling cell to cell call feature
1206	Scheduling announcement and cell to cell support is now optional. By default, announcement is enabled.
1217	Scheduling cell to cell call dropdown list is now configurable for scenarios where only specific intercoms in the system are allowed for schedule calls.

## IMPROVEMENTS

REF#	DETAIL
1193	Fixed error where double-clicking on a Schedule causes an error message. If a schedule is already open prior to a new build, selecting another schedule by double-clicking on it will produce errors.
1194	Build button removed but text still refers to it and text error in Calls section. Fixed.
1205	Updated JAS help page to include scheduling cell to cell calls in the quick setup guide.
1215	Improved removing schedule in a range on the calendar page.
1240	When MySQL is running in memory, jas database will not be deleted on reboot.

## IMPACT OF UPGRADING JAS TO V7.92

1. When upgrading JAS from the previous version to V7.92, the “Build Schedule” button text will be changed to “Add Announcement” button.
2. Help page quick setup guide will include steps for adding a call to a schedule. Note that schedule call feature is not enabled by default and only available on request. Please contact Sales for more details.

## JEM IP CONFIGURATOR VERSION 1.03.1

JEM IP Configurator is an application allowing IP configuration of Jacques devices without prior knowledge of the current IP address or serial number. The application is designed to assign and change IP addresses, subnet mask, gateway address of JEM-2 and JEM-3 devices from static to DHCP and vice versa. This section details features of the very first release of Jacques Jem IP Configurator.

## FEATURES

REF#	DETAIL
149	Jem IP Configurator allows setting static IPs on JEM2 intercoms.
400	The application allows version displayed in the help function.
440	Allows setting static IPs on JEM3 intercoms provided.opendhcp server is running.
441	The windows installer created by Jem IP Configurator is optimized to take up less space.
445	Allows contiguous IP addressing by loading basic subnet, jccpserver, and gateway from the previous write.
591	Allows serial numbers to be sorted in increasing order.
617	Compatible with Windows 7 and Windows 10 platform.
854	Compatible with intercoms previously programmed using Jacques QTJCCPTESTER.
1322	Introducing lost jem mode to locate Jem2 device connected to the network that has no IP address and the DHCP server services on the system controller is not running.



## KNOWN ISSUES

This section includes the known issues of Jacques 650 series IP communications system which will be addressed in future release.

REF#	DETAIL
440	When programming JEM3 devices using Jem IP Configurator, an opendhcp server is required.
809	When a server is disconnected and VMS-750 that has a static IP is rebooted and reconnected to the server after several minutes will delete the route for multicast.
963	J650UI touchscreen monitor is inactive if the J650UI server is powered on with monitor off.
982	JEM2 does not notify jccpserver when volume changed via button on JEM2 device.
1107	JAS schedule time cannot be set for 00:00 or 24:00 which means an announcement cannot play exactly at midnight. The closest value that could be entered is 23:59.
1166	VMS-750H volume sliders does not work when using the handset. Volume could be adjusted in the database.
1214	On JAS calendar page, changing date/range option within schedule pop up box after dragging the box does not change the size of the dialog box.
1262	J650UI crashes when JAS page is kept idle for more than five minutes.
1283	Volume of tones on VMS when turned up to extreme causes distortion.
1347	Monitor call audio stream is lost after cell to cell call is disconnected.
1348	Copying audio monitor on the J650UI grid page does not work.
1351	J650UI button checkbox does not change colour.
1352	J650UI audio alarms cannot be disabled.
1369	In Select via icon only J650UI feature, icon looks corrupted in all states except the online state.
1371	Touch is not available for J650UI on JELinux platform after saving changes and requires J650UI restart.

## CONTACT DETAILS

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