

Release Notes

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Version History

Version 4.2.5 (cbe5e81)

Equipment

- ULTRIX-FR1, ULTRIX-NS-FR1
- ULTRIX-FR2, ULTRIX-NS-FR2
- ULTRIX-FR5 & UCCI (See app notes for proper upgrade procedure)
- ULTRICORE
- ULTRICORE-BCS
- ULTRICORE-OE

Features & Enhancements

- Ultrix users can now reboot the frame using local front panel controls
- General improvements and bug fixes to support large distributed system performance

Bug Fixes

- [Bug 70314](#) - Layout editor – Text issues when creating a PIP with UMD set to Static
- [Bug 70698](#) - FR1/FR2 only - Cannot create Video/Audio sender on UltrixIP card from Dashboard

Known Issues

- Offline Editor – 4.2.5 does not support downloading a database from one Ultrix frame into the Offline Editor then uploading the same database to a different Ultrix frame.

Application Notes

- Systems must be running on SW version 3.42 or higher to upgrade to version 4.1.0 (or 4.1.1). Systems operating on SW versions prior to 3.42 must perform an interim upgrade to 3.42 before fully upgrading to 4.1.0 (or 4.1.1).
- ULTRIX-FR5 Upgrades:
 - UCCI Controls Cards must be upgraded before upgrading the Ultrix-FR5 frame. See *Ultrix-FR5 UCC 4v10 Upgrade Procedure Application Note* for instructions.
 - During the version 4.1.0 (or 4.1.1) upgrade process, users may be prompted by Dashboard to reboot up to 6-8 times. This is normal and expected behavior for this update.*
 - ***Caution:** When powering cycling the frame, users must wait approx. 30 seconds before re-powering to allow the frame time to completely power down and reset.

- UCCI Card Support*
 - Dual UCCI Cards must be upgraded one at a time. Only one UCCI card should be connected to the frame during the upgrade. See FR5 Dual Controller Migration Application Note for instructions.
 - Note: FR-5 units with dual UCCIs will use single IP address
 - UCCI presence/status is reported in the frame UI.

Version 4.2.1 (098ef2c)

Equipment

- ULTRIX-FR1, ULTRIX-NS-FR1
- ULTRIX-FR2, ULTRIX-NS-FR2
- ULTRIX-FR5 & UCCI (See app notes for proper upgrade procedure)
- ULTRICORE
- ULTRICORE-BCS
- ULTRICORE-OE

Features

- Bug fixes and improvements to the customer experience

Bug Fixes

- [Bug 69399](#) -- UHD from non-Ross devices/SDP redundancy improvements. When creating redundant UHD session, both streams are added to the same eth interface
- [Bug 69358](#) -- UHD from non-Ross devices/SDP redundancy improvements. Video receiver not playing out UHD video from Xpression
- [Bug 69450](#) -- Ultrix-IP - Remove and recreate when sender not defined
- [Bug 69637](#) -- Ultrix-IP - Fix issue with Marvell gearbox driver
- [Bug 69702](#) -- Extend allowed Ultrix-IP range
- [Bug 69885](#) -- Fix to SDP parsing of group info
- [Bug 69746](#) -- Strip unprintable chars from UMD Labels
- [Bug 52883](#) -- Changing fan speeds on the HW Configuration Dashboard page indicates failed.
- [Bug 69736](#) -- Trap and log malformed OGP-JSON causes unhandled exception in node.js
- [Bug 69254](#) -- Require frame-frame database import through Offline Editor
- [Bug 69455](#) -- Ultricore-BCS - System utilization at 97%
- [Bug 69796](#) -- Add missing JDK installer component for TLX feature
- [Bug 68470](#) -- Fix for reboot vs power cycle issue
- [Bug 69810](#) -- Fix for Frame Sync / audio off by 1 or 2 frames

Application Notes

- Systems must be running on SW version 3.42 or higher to upgrade to version 4.1.0 (or 4.1.1). Systems operating on SW versions prior to 3.42 must perform an interim upgrade to 3.42 before fully upgrading to 4.1.0 (or 4.1.1).

- ULTRIX-FR5 Upgrades:
 - UCCI Controls Cards must be upgraded before upgrading the Ultrix-FR5 frame. See *Ultrix-FR5 UCC 4v10 Upgrade Procedure Application Note* for instructions.
 - During the version 4.1.0 (or 4.1.1) upgrade process, users may be prompted by Dashboard to reboot up to 6-8 times. This is normal and expected behavior for this update.*
 - ***Caution:** When powering cycling the frame, users must wait approx. 30 seconds before re-powering to allow the frame time to completely power down and reset.
- UCCI Card Support*
 - Dual UCCI Cards must be upgraded one at a time. Only one UCCI card should be connected to the frame during the upgrade. See FR5 Dual Controller Migration Application Note for instructions.
 - Note: FR-5 units with dual UCCIs will use single IP address
 - UCCI presence/status is reported in the frame UI.

Version 4.2.0 (af2f977)

Equipment

- ULTRIX-FR1, ULTRIX-NS-FR1
- ULTRIX-FR2, ULTRIX-NS-FR2
- ULTRIX-FR5 & UCCI (See app notes for proper upgrade procedure)
- ULTRICORE
- ULTRICORE-BCS

Features

- Release of the Ultrix-SFP-IO module support in Ultrix routers
- Release of Ultrisync-UHD 12G frame sync license for Ultrix I/O modules
- Release of the Ultricore-TLX Tielines software license for Ultricore-BCS

Enhancements

- Includes menu option to request logs be generated
- Logs now saved on reboot
- Additional logging of network port states

Bug Fixes

- [Bug 69280](#) Ultritouch MV soft panel fails to show MV head and thumbnail selection
- [Bug 61105](#) Fiber SFPs listed HDBNC as connector in status
- [Bug 62203](#) Audio bypass on SFP input does not work
- [Bug 62572](#) Inconsistent Ultriscape font size
- [Bug 65179](#) Audio delay stops updating in Dashboard GUI
- [Bug 66599](#) - Sending wrong 352 packet in 2160p 29.97
- [Bug 68025](#) Ultricore-BCS - NMOS not working as expected (Video and Audio streams not sending)
- [Bug 68081](#) 1RU New Style Import database not working
- [Bug 68202](#) UltrixIP - Gateway configuration not working

- [Bug 68308](#) Ultriscape - Dragging items (audio bars) slowly in layout editor causes mouse pointer to get out of sync with audio bars
- [Bug 68554](#) FR-5 Upgrade failures - Increases drive strength of CPLD communication lines to improve upgrade experience
- [Bug 68555](#) Label change notifications not sent to third party module
- [Bug 68556](#) Ultriscape - Layout/Head Selection PIP Source is showing incorrect source
- [Bug 68662](#) Intermittent ENET loss (FR-5)
- [Bug 68809](#) Ultriscape - Changing SRC in Matrix panel for PIPs affects a different PIP
- [Bug 69280](#) - Ultritouch MV panel not showing thumbnails and source/destination level with unassigned I/O port is inaccessible.
- [Bug 69387](#) - Group/Category/Pushbutton soft panels failed to display salvo list UI

Known Issues

- Systems with Ultrix IP cards require power cycle after upgrade
- Ultriscape Audio Metering
 - Ultriscape “Logical Audio Meter mode” must be used to enable pip audio meters to the monitor audio levels of sources arriving via IP Video and Audio streams
 - When an Ultriscape multiviewer pip set to follow a destination that is not local to the Ultrix frame on which the multiviewer head is hosted (i.e. the followed output is on a different frame), pip audio meter levels for the followed output are not available.

Application Notes

- Systems running SW version 3.42 or higher can upgrade to version 4.X.X.
Systems operating on SW versions older than 3.42 must first upgrade to 3.42 before upgrading to 4.X.X.
- ULTRIX-FR5 Upgrades:
 - **IMPORTANT:** UCCI Control Cards running a SW version less than 4.1.0 must be upgraded **before upgrading the Ultrix-FR5 frame.**
See *Ultrix-FR5 UCC 4v10 Upgrade Procedure Application Note* for instructions.
 - During upgrades from version 3.42 to version 4.X.X users may be prompted by Dashboard to reboot 6-8 times. This is normal and expected behavior for this update.*
 - ***Caution:** When power cycling the frame, allow time for the frame to completely power down (approx. 30 seconds) before re-powering. This will ensure the system has completely reset.
- Dual UCCI Card Support*
 - Dual UCCI Cards must be upgraded one at a time. Only one UCCI card should be connected to the frame during the upgrade.
 - See FR5 Dual Controller Migration Application Note for instructions.

Version 4.1.0 (5883)

Ross Connectivity group is transitioning to a Semantic version naming scheme with this release. The version number will indicate Major, Minor and Patch in the numbering scheme.

Equipment

- ULTRIX-FR1, ULTRIX-NS-FR1
- ULTRIX-FR2, ULTRIX-NS-FR2
- ULTRIX-FR5 & UCCI (See app notes for proper upgrade procedure)
- ULTRICORE
- ULTRICORE-BCS

Features

- UCCI and UCCI redundancy support in the ULTRIX-FR5
- ULTRICORE-BCS redundancy
- Ultrix IP-IO support in ULTRIX-NS-FR1 and ULTRIX-NS-FR2

Bug Fixes

- Version 4v10 is now universal for both Ultrix Legacy and New Style frames.
- ULTRIX-FR5 Flex slot support
- Expanded protocol connection options

Known Issues

- Current Ultricore-OE build is broken

Application Notes

- Systems must be running on SW version 3.42 or higher to upgrade to version 4.1.0. Systems operating on SW versions prior to 3.42 must perform an interim upgrade to 3.42 before fully upgrading to 4.1.0.
- ULTRIX-FR5 Upgrades:
 - UCCI Controls Cards must be upgraded before upgrading the Ultrix-FR5 frame. See *Ultrix-FR5 UCC 4v10 Upgrade Procedure Application Note* for instructions.
 - During the version 4.10 upgrade process, users may be prompted by Dashboard to reboot up to 6-8 times. This is normal and expected behavior for this update.*
 - ***Caution:** When powering cycling the frame, users must wait approx. 60 seconds before re-powering to allow the frame time to completely power down and reset.
- UCCI Card Support*
 - Dual UCCI Cards must be upgraded one at a time. Only one UCCI card should be connected to the frame during the upgrade. See FR5 Dual Controller Migration Application Note for instructions.
 - Note: FR-5 units with dual UCCIs will use single IP address
 - UCCI presence/status is reported in the frame UI.

- ULTRICORE-BCS: Redundant Controller Support
 - Two BCS units can be “paired” to provide redundancy support
 - Paired units are assigned separate shared “system” IP address which is used for client control
 - Redundant units synchronize via private network link over ENET2
 - Each BCS unit remains visible to Dashboard at its IP address for configuration and status monitoring

Version 4v06 (5656)

Features

- First release for Ultrix New Style firmware. New Style replaces the Legacy Ultrix FR1 and FR2 routers.
- Supports Ultrix HDB-IO module in the New Style frame.
- Supports New Style fan module and increased cooling capacity.
- Provides an upgrade path for future integration of Ultrix I/O formats in FR1 and FR-2 Frames.

Bug Fixes

- Updated tuning values to improve test margins through MFG test.

Application Notes

- 4v05 is not compatible for legacy FR1 and FR2 routers.
- 4v05 supports Ultrix HDB-IO only.

Version 4v05 (5473)

Features

- First release for Ultrix New Style firmware. New Style replaces the Legacy Ultrix FR1 and FR2 routers.
- Supports Ultrix HDB-IO module in the New Style frame.
- Supports New Style fan module and increased cooling capacity.
- Provides an upgrade path for future integration of Ultrix I/O formats in FR1 and FR-2 Frames.

Bug Fixes

- First Release.

Application Notes

- 4v05 is not compatible for legacy FR1 and FR2 routers.

- 4v05 supports Ultrix HDB-IO only.