

DCL22.2 Release Notes



MOTOROLA SOLUTIONS

New Features

Jira Epic [CONSOLE-56413](#) - Documentation for: VS_DISPATCH-2095

Description	DCL22.2 Release New Features	
	Feature Name	Feature Description
	Public Auxio support (SDM3000 protocol)	The AXS Dispatch console supports Public Aux I/Os by accessing and controlling auxio servers (SDM3000 & MC Edge w/SDM3000 clear protocol) and displaying the status of the auxio's inputs and outputs on the dispatch position graphical user interface (GUI).
	Add/Remove indicators and controls on a radio resource	The indicators and controls on the radio resources are now configurable by the AXS UI admin.
	Momentary Key Override	The Momentary Key Override feature allows a dispatcher to do a general transmit using a key other than the ASTRO 25 conventional resource's default key. Up to eight momentary key override "choices" may be placed on a dispatch position, each representing a different key.
	Headset sidetone	Enabling/Disabling sidetone is now a supported option for analog headsets connected to the headset jackbox for the AXS console.
	Mute on PTT	The Mute on PTT feature mutes the target speaker when the dispatcher initiates a PTT. It prevents unwanted background noise from interfering with the dispatcher when transmitting. This is configurable on a per speaker basis.
	Activity Log - Log items to disk	When enabled in the UI configuration file, the information listed in the activity log is stored in a file on the AXS Cluster. This information can only be retrieved by someone with a UI Admin Role. The retention period is approximately 24 hours but is also impacted by the call load at the site. When the file fills up or the retention period expires, new data overwrites old data beginning with the oldest data. All data associated with a call is logged to the file, regardless of what portion of the data is actually shown in the activity log window.
Executive Summary	None	

Known Problems

Issue [CONSOLE-61565](#) - Analog footswitch configured for two PTTs does not trigger audio (propagated - DCL22.2)

Acronyms	PTT - Press-to-PTT CCHub - Command Central Hub
Abstract	When Motorola Analog Footswitch is connected to RJ-45 port of CCHub and configured in PCT to have PTT on the left switch, pressing the the left switch does not cause console to transmit audio.
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When left switch configured as PTT is pressed the general transmit activates on AXS UI but no actual audio is being transmitted.
Description	None

Workaround	<p>1) Configure Motorola Analog footswitch in PCT to behave in the same way as for legacy consoles:</p> <p>FOOTSWITCH_PTT mapped as PTT</p> <p>FOOTSWITCH_MONITOR mapped as MONITOR</p> <p>or:</p> <p>2) Connect and configure USB Kinesis footswitch</p>
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61522](#) - Inbound key failure blocks outbound key failure report to UEM. (propagated - DCL22.2)

Acronyms	UEM - Unified event manager
Abstract	When TG does not have secure keys provisioned, AXS console does not report key failure events when inbound call is performed followed by outbound.
System Types Affected	None
User Symptoms	Key failure will be displayed on the client but not in the UEM
Description	None
Workaround	<p>There is no workaround.</p> <p>This issue occurs only when inbound call is performed followed by outbound on the same resource with missing secure keys.</p> <p>AXS consoles reports key failure events to UEM as expected when only outbound call is performed on the resource without secure keys.</p>
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61498](#) - [Crypto] Crypto allow to upload ADP and DES in AES only mode (propagated - DCL22.2)

Acronyms	N/A
Abstract	<p>Crypto allow to upload ADP and DES in AES only mode with no warning.</p> <p>There is no warning that user use unsupported keys.</p> <p>If all keys (DES, AES, ADP) are loaded with AES Only any keys don't work.</p>
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	<p>If user try to use unsupported keys, there is no warning about it.</p> <p>If all keys (DES, AES, ADP) are loaded with AES Only any keys don't work.</p>
Description	There should be warning information that unsupported keys are used.
Workaround	N/A

Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61488](#) - AXS:CCHUB: The user notification did not show up when there is new OS available (propagated - DCL22.2)

Acronyms	CCHub - CommandCentral Hub RHEL - Red Hat Enterprise Linux
Abstract	Lack of notification when automated downloading of .iso image (with new RHEL) is finished
System Types Affected	None
User Symptoms	There is no notification that new system version (RHEL) is ready to be installed. When process of automated downloading of the new iso with RHEL completes then system notification should pop up on the taskbar (next to the clock)
Description	After fix notification will appear as expected.
Workaround	No special workaround is required. User cchubadmin (default privileged user) may run upgrade system any time despite notification appeared or not.
Engineering Details	Downloading of the new .iso can be triggered automatically (by service running in RHEL) or manually be cchubadmin (by launching upgrade script). Due to some small differences in code flow, when automatic download is finished there is no information passed to cchub-notifier service which handles displaying notifications.
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61435](#) - [AXS-UI] Dropdowns on function buttons not expanding upward when button is at the bottom of folder (propagated - DCL22.2)

Acronyms	N/A
Abstract	Dropdowns on function buttons not expanding upward when button is at the bottom of folder
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When function button is at the bottom of the folder and User open dropdown, then dropdown expands downward and most items are invisible. It also overlaps other application screen area.
Description	When function button is at the bottom of the folder then dropdown should expand upwards. Currently it expands downward and most items are invisible. It also overlaps other application screen area.
Workaround	Function button can be moved in other place that has a space for dropdown items below button.
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61426](#) - [AXS UI] After opening the resource settings for second rsc, assigned buttons for previous resource are still visible (propagated - DCL22.2)

Acronyms	N/A
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Abstract	After opening the resource settings for second rsc, assigned buttons for previous resource are still visible
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When user open the resource settings for first resource, than open the resource settings for second resource, assigned buttons for previous resource are still visible
Description	When user open the resource settings for first resource, than open the resource settings for second resource, assigned buttons for previous resource shouldn't be visible
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61351](#) - [AXS UI] interlock is not affiliated after delete and add back. (propagated - DCL22.2)

Acronyms	n/a
Abstract	When user deassign previously assigned AuxIO resource item and reassign it again then this particular AuxIO resource item stops working.
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	After deassigning AuxIO resource and assigning it again AXS user is not able to use this particular AuxIO resource.
Description	If user decide to deassign any type of resource and assign it again then this resource should work normally. Deassigning and reassigning previously configured resource should not cause any problems with using it.
Workaround	Reload the configuration
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61323](#) - Patch label not visible (propagated - DCL22.2)

Acronyms	N/A
Abstract	Wrong color of label with Patch group when resource is not affiliated and added to Patch
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When resource is not affiliated and added to Patch, label with Patch group number is black and not visible.
Description	Patch group label should be visible for user
Workaround	N/A
Engineering Details	None
Customer Case Number	None

RFC Number	None
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Issue [CONSOLE-61242](#) - [AXS UI] Layout not preserved when opening config from not full screen browser window (propagated - DCL22.2)

Acronyms	N/A
Abstract	Layout not preserved when opening config from not full screen browser window
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When User changes browser window to a smaller window (not full screen) and loads configuration, the layout saved by Admin is not preserved.
Description	When User changes browser window to a smaller window (not full screen) and loads configuration, the layout saved by Admin should be preserved.
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61236](#) - [CCHub] Red entry of DNS record in summary window (propagated - DCL22.2)

Acronyms	not available, DNS
Abstract	Summary window contains information about DNS record. This value was taken from /etc/hosts. Since we use DNS then it should be updated or removed. There is issue only with display information. Any functionality related to DNS is not impacted
System Types Affected	None
User Symptoms	User see in summary window red info about "not available" DNS record.
Description	Need investigate how to handle it. First approach - get real info about DNS from DNS service (if possible) Second approach - remove this line from summary window.
Workaround	None and not needed.
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61176](#) - [AXS GUI] Voice Selective Call issue after Patch transmit (propagated - DCL22.2)

Acronyms	N/A
Abstract	Voice Selective Call is waiting for transmission after Patch transmit end
System Types Affected	AXS consoles on ASTRO 25 systems

User Symptoms	Voice Selective Call is still active and waiting for transmission after Patch transmit end
Description	Voice Selective Call should be finished
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61175](#) - Aux I/O button is displayed in unknown state in AXS UI Admin mode (propagated - DCL22.2)

Acronyms	N/A
Abstract	Aux I/O chiclet button is displayed in unknown state in AXS UI Admin mode
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When user add Aux I/O chiclet button on the talk resource, the button is in unknown state
Description	When user add Aux I/O chiclet button on the talk resource, the button should be in deactivated state
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61173](#) - Panel for Talk resource buttons configuration is narrowed by one column (propagated - DCL22.2)

Acronyms	N/A
Abstract	Panel for Talk resource buttons configuration is narrowed by one column
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When user add many buttons to the Talk resource, Assigned Buttons panel is narrowed by one column
Description	When user add any amount of buttons, the Assigned Buttons panel should always has 4 columns
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61172](#) - Aux I/O button configuration is saved after cancelling the configuration (propagated - DCL22.2)

Acronyms	N/A
Abstract	Aux I/O button configuration is saved after cancelling the configuration
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When user configure Aux I/O button and click 'cancel' button, the changes are saved instead of be canceled
Description	When user configure Aux I/O button and click 'cancel' button, the changes should be canceled
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-61171](#) - Incorrect tooltips for Aux I/O button (propagated - DCL22.2)

Acronyms	N/A
Abstract	Incorrect tooltips for Aux I/O button
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When user opens the Aux I/O chiclets configuration, input fields contain incorrect tooltips
Description	When user opens the Aux I/O chiclets configuration, input fields should contain correct tooltips (Activated, Deactivated or Unknown)
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-60983](#) - RHEL 8.6 Freeze on Boot. Suspicion: McAfee AAC module cause tainted status of the kernel (propagated - DCL22.2)

Acronyms	Universal Serial Bus (USB) CommandCentral Hub (CCHUB)
Abstract	McAfee software destabilizes the kernel and in rare cases causes a hang. McAfee Endpoint Threat Protection provides a content-based Exploit Prevention capability. It identifies and blocks the execution of suspicious files, websites, and potentially unwanted programs for a higher level of protection.
System Types Affected	The CCHUB system delivered with standard configurations. No ad hoc changes applied.
User Symptoms	In rare cases, a user may experience a hang of the operating system during its reboot or upgrade.
Description	A user can see kernel call trace messages related to McAfee arbitrary access control and McAfee file access kernel modules. In rare cases, a user may experience a hang of the operating system during its reboot. This reboot can be initiated by the user or by the operating system during its update process.

Workaround	In rare cases, when the operating system does not respond to either keyboard or mouse input, the user needs to perform a power cycling. To do this, make sure that a USB flash drive is not connected to one of the usb ports. Press and hold the computer power on/off button on the front panel for about 6 seconds until the computer shuts down and the power on/off button turns off. Then press the power on/off button again. The computer will turn on and start loading the operating system. The power on/off button should be green.
Engineering Details	<p>Please follow the link https://jira.mot-solutions.com/browse/CONSOLE-59694 to see the details about this known issue.</p> <p>On boot messages:</p> <p>mfe_acc_100709134: loading out-of-tree module taints kernel. mfe_acc_100709134: module verification failed: signature and/or required key missing - tainting kernel</p> <p>On reboot messages:</p> <p>Call traces in modules: mfe_aac and mfe_fileaccess</p>
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-60981](#) - [AXS UI] Configuration layout not preserved (propagated - DCL22.2)

Acronyms	N/A
Abstract	User layout is not preserved when opening configuration
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	In some rare scenario when user open configuration in Dispatch mode, he may not get the same resources layout then he configured in Admin Mode.
Description	When user open configuration in Dispatch mode, he should get the same resources layout as he configured in Admin Mode.
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-60978](#) - HPE Gen10 DL20 | DIMM / POST Error (propagated - DCL22.2)

Acronyms	n/a
Abstract	Some DL20 servers have observed intermittent issues during its initial POST These errors typically occur during the memory initialization phase of the initial POST.
System Types Affected	None
User Symptoms	DIMM Error during firmware upgrade.
Description	None
Workaround	The fix for this issue is included in latest new firmware ISO. Please check the RRR for latest version.
Engineering Details	None

Customer Case Number	None
RFC Number	None

Issue [CONSOLE-60974](#) - AXS Helium: Analog Headset Volume Level (propagated - DCL22.2)

Acronyms	audio volume level
Abstract	In some cases audio volume level is too low on analog headsets.
System Types Affected	None
User Symptoms	In very rare cases the volume knob of the HSJB needs to be at the full volume position to have a comfortable listening level for received audio through the headset, not giving dispatchers headroom to increase the headset volume.
Description	The volume knob of the HSJB does not need to be at the full volume position to have a comfortable listening level for received audio through the headset.
Workaround	1) right click on desktop and open terminal 2) type "pactl list sinks" and find sink number for headset 3) type "pactl set-sink-volume # 100%" where # is a sink number from 2) 4) restart chromium browser
Engineering Details	<p>Pulseaudio can't control hardware audio volume level for devices consisting of more than 2 audio channels. From pulseaudio source code:</p> <pre> /* FIXME: In some places code like this is used: * * e->masks[alsa_channel_ids[p]][e->n_channels-1] * * The definition of e->masks is * * pa_channel_position_mask_t masks[SND_MIXER_SCHN_LAST + 1][2]; * * Since the array size is fixed at 2, we obviously * don't support elements with more than two * channels... */ pa_log_warn("Volume element %s has %u channels. That's too much! I can't handle that!", e->alsa_name, e->n_channels); </pre> <p>Analog headsets connected to cchub from pulseaudio perspective is single 4 channels output device. Since pulseaudio cannot control volume level for headsets at hardware level, it tries to adjust volume at software level, and for some cases the volume level is too low. To avoid this situation rhel sets software volume level for headsets at 100%(volume is not adjusted by pulseaudio), alsa still can control hardware volume level.</p>
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-60957](#) - AXS: CCSI: Supervisor user is not taking over instant transmit from non-supervisor user (propagated - DCL22.2)

Acronyms	n/a
Abstract	Supervisor user take over feature is not supported for DCL22.2
System Types Affected	None
User Symptoms	Supervisor user take over feature is not supported for DCL22.2
Description	None
Workaround	There is no workaround

Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-60955](#) - General Transmit breaks ongoing momentary override transmission (propagated - DCL22.2)

Acronyms	N/A
Abstract	General Transmit breaks ongoing Momentary Override
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	When user is having Momentary Override transmission and presses General Transmit, Momentary Override transmission stops.
Description	Pressing General Transmit when Momentary Override is ongoing should log an error on status bar and shouldn't stop Momentary Override.
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-60949](#) - [AXS UI] Cant select CKR cause dropdown shows no results (propagated - DCL22.2)

Acronyms	N/A
Abstract	User is not able to select CKR on the resource
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	In some rare scenarios when CKR controls are partially hidden, user is not able to select CKR on the resource cause the CKR controls don't show any results on the dropdown.
Description	User should be able to select CKR on the resource.
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-60944](#) - [SIT] AXS GUI status bar shows "Unknown message Received" / "Invalid talk resource identifier" message while loading Conv / Trunking profiles (propagated - DCL22.2)

Acronyms	N/A
Abstract	Unexpected message on appears on Status Bar

System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	User can see unexpected message on Status Bar and hear unexpected 'beep'
Description	When opening AXS UI configuration containing Trunking or Conventional, user shouldn't be presented with "Unknown message received"/"Invalid talk resource identifier" message on Status Bar
Workaround	N/A
Engineering Details	None
Customer Case Number	None
RFC Number	None

Issue [CONSOLE-60936](#) - [Hardware issue][CCHub Mainboard] Audio Noise Issue on Motorola Analog Gooseneck Mic (propagated - DCL22.2)

Acronyms	LLR - Local Logging Recorder CCHub - CommandCentral Hub
Abstract	Noticeable noise when using analog gooseneck microphone with an LLR port on the CCHub
System Types Affected	AXS consoles on ASTRO 25 systems
User Symptoms	Noise level when using a Motorola Analog Gooseneck Microphone with the LLR ports is higher than with other ports and devices. It is noticeable, and might be disruptive for some users.
Description	The noise level should be lower.
Workaround	Sirocco microphone can be used without issues.
Engineering Details	None
Customer Case Number	None
RFC Number	None

ASTRO Box Release product Software Versions for AXS DCL22.2 release (A2019.2, A2020.1, A2021.1)			
Applicable Release	ART / Product	Software Version	KC Number
A2019.2	UNC	UNC-Astro-07.19.03.58-00	KC877L0AT000190210
A2019.2	UNCDS	UNCDS-Astro-07.19.03.58-00	KC877L0AT000190260
A2020.X/A2021.1	UNC	UNC-Astro-07.20.03.84-00	KC877L0AT000200106
A2020.X/A2021.1	UNCDS	UNCDS-Astro-07.20.03.84-00	KC877L0AT000200156
A2020.x/A2021.1	ZDS	ZDS-Astro-07.21.01.25-00	KC877V0AV000200108
A2019.2	ZDS	ZDS-Astro-07.19.02.91-00	KC877V0AV000190104
A2020.x/A2021.1	UCS	UCS-Astro-07.19.06.40-00	KC877V0AS000200107
A2019.2	UCS	UCS-Astro-07.19.02.51-73	KC877V0AS000190210
A2020.x/A2021.1	TNCT	R26.64.00	-
A2019.2	TNCT	R24.134.00	-

A2020.x/A2021.1	UEM	AUEM-20.01.13.40	KC877V0AW000200113
A2019.2	UEM	AUEM-19.02.10.36	KC877V0AW000190213
A2020.x/A2021.1	DC Plugin	ADC_R11.00.89	KC877C04C000200115
A2019.2	DC Plugin	ADC_R10.00.101	KC877C04C000190213

Jira issues 'New Features' based on JQL:issuekey=CONSOLE-56413

Jira issues 'Issue Updates' based on JQL:

Jira issues 'Known Problems' based on JQL:project = "Astro and Dimetra Console" AND (Product in (AXS_HELIUM, CentOS) OR product = EMPTY) AND issuetype = Defect AND "Fix Release" = DCL22.2 AND (resolution in (Postponed) OR resolution is EMPTY) AND "Are Release Notes Required" != No