

Global Knowledge

CCHD AMX Control Software Revision Notice

| Revision | Submitted Date | Author | Comments |
|----------|----------------|----------|--------------------------|
| 1.0.36 | 15/03/2013 | P Gorman | Production Release |
| 1.0.42 | 28/05/2013 | P Gorman | Performance Optimisation |
| 1.1.45 | 01/11/2013 | P Gorman | Phase 2 Enhancements |
| 1.2.4 | 16/05/2014 | P Gorman | Phase 3 |

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Revision 1.0.36

Revision Numbers

- MRC System Engine 1.0.36 (Stable)
- Global Knowledge Release Package Release 14

New Features

- Picture Mute functions for the projectors added to devices page
- Full Implementation of RMS Asset Management Reporting
- Front Projector now switches on in teacher mode at lesson start
- Added variable PIR Time out for Lighting to Setup page in Admin Mode.

Fixes

- **Far End Camera control** - Camera movement is controlled by tapping the direction you wish to move the camera only. Press and hold functionality removed due to stability problems. Local camera control is not affected by this change.
- Start lesson button now displays when there is a next lesson registered
- Amplifier volume control is now smoother and quicker.
- Fixed problem where when using the start lesson button the class sets up for teacher mode.
- Added a shorter Pulse time to far end camera control to improve sensitivity.

Revision 1.0.42

Revision Numbers

- MRC System Engine 1.0.42 (Stable)
- Global Knowledge Release Package Release 17
- NEC Projector Module Revision 8

New Features

- Offline notification indicator added to site list to notify when system goes offline
- Projectors can be switched off during lesson. In teacher mode all projectors are switched on to get around HDMI sync issue but front projector can now be switched off. In student mode all projectors are switched on but the rear projector is shut down immediately after warm up.
- Help/Fault Reporting buttons replaced with support contact number subpage.

Fixes

- The desk layout for students and trainer. (The cables run through trunking set into the floor and is so please Reset to Resident PC input after lesson ends)
- Removed 3 min loop for Site list update
- Site List updates when user pressing the site list button
- Changes to reduce load on global event listener which could cause system to lock up and drop offline.
- System lesson information is broadcasted every minute and is no longer requested by individual systems.
- Various other performance improvements
- Forced call hang up function for when not in lesson has been removed. Video Call should be maintained in the event of the AMX locking up or losing connection with RMS.
- Projector: Increased polling time to 2 seconds
- Projector: Improved Picture Mute feedback

Revision 1.1.45

Revision Numbers

- MRC System Engine 1.1.45 (Stable)
- Global Knowledge Release Package Release 20
- NEC Projector Module Revision 8

New Features

- **Single Room dialing** - This will enable a single room to dial into a Virtual Room (used to connect to external parties).
- **End Lesson during recurring meeting** - Functionality allowing the rooms to be powered down when trainer has finished for the day. Caveat: This will not change the scheduling and suspends the current meeting.
- **Extend Lesson during recurring meeting** - Functionality allowing the rooms to be extended beyond their current schedule. Caveat: This will create a new meeting, meaning the call will be re-established.
- **Projector Power Saving** - When a projector is in picture mute, after 1 hour the system will auto-power off the projector (message allowing trainer to extend for another hour).
- **Projector Control** - During scheduled calls, we will be able to power on and off projectors without the system reverting to the "correct" status.
- **Virtual Room layout control** - the layout of the virtual rooms will now be controllable via the touch panels for instructors.
- **Far-end camera control for off-net systems** - via the Virtual Rooms, trainers will now be able to control the far-end camera of connected systems.
- **Centrally manage Admin PIN** – The Admin PIN is now managed by a controller allow the admin PIN to be changed by the system administrator.

Fixes

- **Projectors start up with the correct templates** - Removes Workaround for EDID Problem which has now been resolved with a hardware change.

Revision 1.2.4

Revision Numbers

- CCHD System Engine 1.2.4
- Global Knowledge (Flatout) User Interface v2.0
- Migrated to Git.

New Features

- **New User Interface** – New lighter and ‘flat’ interface. The site list is permanently located on the left hand side of the UI to provide easy access to site controls. Site control menu changes to reflect the sites available functionality. New login screen with site map. New setup pages to organise new setting parameters. Top bar now displays red when the system is in override mode and orange when connecting to a gateway. Smoother list control. New site list filters for Mobile Units and All Sites (Admin Only). All gesture controlled pages have been removed and replaced with drawers.
- **Gateway Failover** – The system automatically tries to connect to the primary master controller (Gateway). If the primary gateway is not found then it tries the secondary gateway but then always tries the primary.
- **URL Table management** – URL entries can now be managed from the setting page on the touch panel.
- **New Codec Module (Skinny Latte)** – A new Netlinx Codec module has been built to reduce the load on the CCHD system. Only the required features for the CCHD environment are included in the module. As this is a custom module additional features have been added that were not available in the Duet module.
- **IR Control** – The remote control sensors on the front of the Codec and the Cameras can now be enabled/disabled from the settings menu. There are aggressively forced off when the system is in normal operation. Enabling the IR Sensors sets the system in to override scheduling mode.
- **Backlight Compensation** – This has been added to the Camera Preset drawer.
- **Auto Answer** – Auto answer can now be enabled/disabled from the settings page.
- **Auto Answer Mic Off** – This can be enable/disabled from the settings page.
- **Non Scheduled Calls** – Non schedule calls are dropped when a CCHD call is scheduled.
- **Mic On when CCHD calls established** – Mic Mute is switch off when a CCHD call is established.
- **Default Presentation Mechanism** – The Codec is now the default presentation mechanism instead of Bridglit.
- **External CCHD Calling** – External sites can now be schedule in a CCHD classes for point to point and multisite classes. Far end camera control is available for point to point calls. This is available through the RMS Pages.
- **Device Registration** – This has now been simplified and the annoying startup sequence has been removed.
- **Mobile Units** – Software tailored to incorporate mobile units.
- **RMS Server URI** – RMS Server is now represented as a URI rather than a static IP.
- **RMS Notification: Gateway 2 active** – RMS now reports when gateway 2 is being used by the AMX Controller.
- **RMS Notification: Override Mode** - RMS now reports which mode of operation is in. Normal, Override, Override: Teacher, Override: Student and Override: Offline



- **Leeds Room 3** – Independent Electric Screen Control
- **Leeds Room 4** - Rear electric screen drops at the beginning of a lesson by default.

Fixes

No Major Fixes in this release