

Firmware and System Manager V1.11

i You can only run matching versions of System Manager and AHM firmware e.g. System Manager V1.02 will not connect to a unit running V1.00 without prior update.

i The System Manager application includes firmware files for the AHM unit. Refer to www.allen-heath.com for the latest version of the package.

V1.11 December 2021

Maintenance release.

Fixes

- ID753 IP Controllers could erroneously display information about the Shift function when not in Shift mode.
- ID1013, ID1014 Issues with remote Embedded Recalls between units.
- ID931 Accessing socket settings for a DX012 in the Assign screen could crash AHM System Manager.
- ID942 Recall Scope for AEC Sound Reinforcement output assignments, levels and mutes was not set correctly.
- ID1070 Removing the AEC module could sometimes cause System Manager to crash.
- ID926 GPI controls could stop working after a power cycle.
- ID914 The effective range of Digital Trim was erroneously limited to -24dB to +18dB.
- ID812 A DX expander connected to a GX4816 could fail to auto update firmware.

Several other fixes and improvements, including support of latest DX164-W, DX32, AR2412, AR84 and AB168 hardware following component changes.

V1.10 July 2021

Feature release.

New features

- Support of AEC expansion module (M-AHM-64-A)
- External control and IP control:
 - TCP / UDP messages from SoftKey / GPI
 - Custom IP strings can be entered as ASCII or decimal
 - Custom External Control strings can be entered as decimal
 - External Control TCP protocol additions
 - Preamp Gain, Pad and 48V
 - Digital Trim
 - Get Source Selector state
 - Get Last Recalled Preset
 - Get channel name and colour

- Static LED / GPO function
- Notch filters added to PEQ
- Option to store audio files and Custom Control Config as part of the AHM Config.
- Embedded Preset recalls:
 - Option to track embedded recalls
 - Enter target unit by IP address
- Support of latest AHM-64 and GX4816 hardware following component changes
- DNS settings added to Network setup

Improvements

- Priority Inputs
 - Ducking now affects Zone to Zone as well as Input to Zone
 - Gain reduction meter added
- Use of System Manager restricted to Admin user
- Several Help improvements including a contextual Help button
- More accurate real time clock
- JP1 On warning added to AHM System Manager

Fixes

- ID658 An active ANC at the moment of restoring a Config could result in the Zone output level not recalled correctly.
- ID786 The I/O Port Network Bridge state was accidentally stored and recalled in Presets and Configs.
- ID735 A Preset recall assigned to an IP Controller in Offline mode could crash AHM System Manager if the Preset name was too long.
- ID63 SLink sockets did not have valid / invalid indication in the input source window.
- ID445 I/O Port inputs and outputs did not have valid / invalid indication in the Assign screen.
- ID604 Adding multiple Control Groups to a channel could cause audio artefacts.
- ID696 Sample rate options were missing for DX32 digital outputs.
- ID652, 655, 735 Several issues related to offline connection of IP Controllers.
- ID674, 718 Several issues related to IP Controllers and Source Selector.
- ID641 IP Controllers would not update correctly after an Input Stereos configuration change.
- ID649 Under certain circumstances, Presets could show incorrect Recall Scope parameters and cause errors in the Logs.
- ID622 The TLS secure port would stop responding after 30 connection/disconnection events.
- ID623 Lost TCP connections would cause other TCP and TLS sockets to stop responding.
- ID677 The Monitor Point indication at the bottom of the screen would sometimes not update correctly after a Zones Configuration change.
- ID747 A jumper reset would not reset the TCP External Control security settings.

ID743 Changes to Subnet mask or Gateway settings would not apply unless IP address or DHCP settings were also changed.

ID722 Channel names were not displayed in the Assign / Direct Out screen.

Several other fixes and improvements.

Known Issues

ID52, 812 A DX expander connected to a GX4816 might be labelled in the System Manager software as 'DX4' and fail to auto update firmware.

ID914 The effective range of Digital Trim is erroneously limited to +18dB although the control correctly operates to +24dB.

V1.03 March 2021

Maintenance release.

New features

- Support of latest DX168 hardware following component changes.

Fixes

ID754 On some units, the Real-Time Clock would not remember date and time.

ID702 The Last Recalled Preset would not update with the recall of the Startup Preset.

ID664 Recalling a Preset would sometimes cause the level of a Zone to drop to the minimum level set in the ANC.

ID726 Wrong level displayed on IP controllers when duplicate channels are assigned.

ID634 Input Stereo configuration changes could apply the incorrect On level in Source Selectors.

ID631 Speaker Processing would sometimes display an incorrect state after a Zone Stereo configuration change.

ID627 Audio clicks could be heard on the monitor output when moving between some processing blocks.

ID374 Hot-plugging a dSnake AB168 or AR84 expander connected to an AR2412 could result in the AB168 / AR84 expander not working correctly.

ID710 The IP6 'View' button was not displayed in the IP Controller setup and simulator.

Several other fixes and improvements.

Known Issues

ID52 A DX expander connected to a GX4816 might be labelled in the System Manager software as 'DX4'.

ID658 Active ANC at the moment of restoring a Config might result in the Zone output levels not recalled correctly. Recalling the Config a second time corrects the levels.

V1.02 September 2020

Maintenance release.

Fixes

- ID671 Speaker Processing settings were incorrectly stored in Zone Libraries.
- ID675 IP Controllers assigned to a Source Selector could sometimes get multiple controls linked.
- ID635 Sometimes output levels were not recalled correctly after a Config restore, if the stereo settings were changed.
- ID647 Clicking on the Control Group names or Crosspoint Zone destination names in the Assign screen, while holding down Shift+Ctrl / Shift+cmd, could cause System Manager to crash.
- ID691 Zone selection would not work for certain level sensing functions.
- ID611, 676 Fixes to Monitor point behaviour.
- ID667, 647, 608 Several fixes to block assignments in the Assign screen.
- ID603, 615, 636 Input and Control Group names would not update correctly in some screens.
- ID89, 701, 703 Several fixes to gate and compressor sidechain related to stereo configuration.

Several other fixes and improvements.

V1.00 July 2020

This was the first public release of AHM-64 firmware and System Manager software.

System Manager system requirements

Minimum system requirements:

- Resolution 1280x960
- 250MB free disk space
- 2GB RAM (4GB recommended)
- 2GHz Dual Core processor