Echoflex Solutions Release Note
Elaho TimeClock

Product Line:	Elaho TimeClock
Description:	Version 3.3.5 Software

Elaho TimeClock Components	
Elaho TimeClock Software	3.3.5.955
Echo Protocol	3.3.4.952

Effective Date: 2021-09-02

Purpose

This release of software corrects a software defect that affected open and close timed events.

For any questions relating to the contents of this release or the behavior of this software, please contact Echoflex Solutions using the information at the bottom of this page.

Availability

This software is currently available in new shipping units.

Documentation

Current documentation for the Elaho TimeClock includes the *TimeClock Configuration Manual.*

Please keep this release note with your configuration manual for descriptions of the newest features, changes, and bug fixes. Manuals are in portable document format (pdf) and are available for download at echoflexsolutions.com

Additional support documentation can be found at support.etcconnect.com.

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Compatibility

For questions regarding compatibility, please contact Echoflex Solutions Technical Services.

Compatible Elaho Products

This release is interoperable with the following Elaho hardware and software/firmware:

Product	Earliest Device Compatibility	Optimal Feature Compatibility
ElahoAccess App-iOS	v1.0.0	v3.3.1
ElahoAccess App-Android	v1.0.0	v3.3.0
ElahoAccess Interface	v1.0.0	v3.3.4
Elaho Expansion Bridge	v1.0.0	v3.3.5
Elaho BACnet Interface	v3.0.0	v3.3.5
Elaho Integration Interface	v3.3.1	v3.3.5
ElahoTouch	v3.0.0	v3.1.1
Elaho DMX Scene Controller	v1.0.0	v3.3.4
Elaho-Echoflex Interface	v1.0.0	v3.3.4
Elaho Contact Input Interface	v1.0.0	v3.3.4
Elaho Contact Output Interface	v1.0.0	v3.3.4
Elaho Demand Response Interface	v2.0.0	v3.3.4
Elaho Responsive Controls	v1.0.0	v3.3.4
Elaho Dual Tech Occupancy and Vacancy Sensors	v1.0.0	v3.3.4
Elaho Dual Tech Switch-mount Occupancy Sensor	v1.0.0	v3.3.4
Elaho Room Controller - Gen2	v1.0.0	v3.3.4
Elaho Zone Controllers - Gen2	v1.0.0	v3.3.4
Elaho Inspire Stations	v3.0.0	v3.3.4
Elaho Keyswitch Stations	v3.2.0	v3.3.4
Elaho TimeClock	v1.0.0	v3.3.5
Elaho Preset Stations	v3.0.0	v3.3.4
Elaho Relay Panels	v1.0.0	v3.1.2

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Key Enhancements in v3.3.5

- Bug fix

Key Enhancements in v3.3.4

- Incorporates improvements from newer Echo Protocol versions

Key Enhancements in v2.0.0

- Support for Open and Close time of day events
- Added support for viewing and issuing schedule Holds from EchoAccess
- Bug fixes

Key Enhancements in v1.0.0

- Initial release

Installation Instructions

This software is installed on new Elaho TimeClock as they are shipped from the factory and do not require update before use. The TimeClock is not field-upgradable.

Issues Corrected in v3.3.5

ETCLOCK-43137   Open and Close Events may be played based on previous day's schedule

Known Issues Remaining in v3.3.5

ETCLOCK-43134   Simultaneous events in more than nine spaces may cause some actions to be missed

ETCLOCK-43128   On bus with many communication checksum errors, timeclock can freeze

ETCLOCK-43124   Timeclock Hold toggle button can't toggle hold off when timed hold initiated from timeclock itself

ETCLOCK-37614   "All Spaces" hold causes hold status to change for Non-event spaces

ETCLOCK-37411   Holds persist through "Restore Defaults"

Workaround: Push the Hold button on the Timeclock to clear the condition

ETCLOCK-37367   An active Timed Hold can remain when all events are removed during the hold time

ETCLOCK-37100   Timed Holds expiring during already active Flickwarn results in another Host Flickwarn

ETCLOCK-36446   Sequences ignore timed holds

ETCLOCK-30340   There is no indication of failure to successfully record a preset

Issues Corrected in Echo Protocol v3.3.4

EC-47203   Implement Echo Bus communication efficiency reporting

Issues Corrected in Echo Protocol v3.3.1

EC-47110   Active status indication can occasionally blink off on busy EchoConnect bus

Issues Corrected in Echo Protocol v3.3.0

EC-45338   Bus ID does not re-arbitrate if self powered device loses and later regains bus connectivity while remaining powered

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Issues Corrected in Echo Protocol v3.2.0

EC-46663	16 occupancy sensors in the same space on a single Echo segment can cause missed Grace Restore
EC-46662	Occupancy devices sharing same ID on different EEB segments can cause missed Grace Restore
EC-46278	Grace Restore affects spaces it shouldn't in multi-space output products
EC-46206	Multiple Occupancy/Vacancy sensors in same space can cause missed vacancy actions in some situations
EC-46019	Within 30s of grace restore, the first zone/space action does not play
EC-45866	Group occupancy and vacancy actions can fail across ports of an EEB when 10 or more occupancy devices are in group
EC-45842	Occupancy/Vacancy sensors in same space on different EEB segments can impede all echo communication
EC-45656	DMX Scene Controller zone levels change after a preset record
EC-45520	Sequence status and Off status not indicated correctly when deactivating or issuing Off commands
EC-45333	Some Echo output products could erroneously restore from recent vacancy state
EC-45131	Output products can play off when asked to play a preset higher than their available presets
EC-45125	Space Off timing not honored when deactivating sequence in loop or single-shot mode in ERP/EACP/DMXSC
EC-45098	Active sequence can cause space level indication to change
EC-44677	Contact input can incorrectly play occupied look if contact opened between 30 and 59 seconds after power on
EC-44167	Incorrect indication for spaces combined via another combined space
EC-44126	Longer Than Expected Bus Lockout Activation With Late-Joining Output Devices in Lockout
EC-43700	Space Toggle toggles zones to 0% if any zone in a space is 100%
EC-42978	Adding late-joining unlocked output product to locked space temporarily shows incorrect unlocked status
EC-42559	Sequence controls in v3.1.0 stations (or mobile app v2.2.0) or newer does not indicate "On" and cannot deactivate sequences in older EACP, ERP, and CEM3 systems
EC-40980	Two output products with different presets active can result in preset status that occasionally flickers
EC-40328	Late Joining hosts do not acquire space combine status
EC-37977	Both OFF and sequence appear as active simultaneously after a preset deactivation during bounce sequence
EC-35960	Station indication can be wrong due to manual control that causes occupancy grace restore across EEB interfaces
EC-35153	Stations incorrectly still show active space combine status if a new output controller is added to bus after combine
EC-34376	It can take up to 60 seconds for a newly added output device to properly participate in Space Combine

Issues Corrected in Echo Protocol v3.1.0

EC-42778	Lockout status in mobile app incorrectly changes status on space combine
EC-42327	Preset and Sequence indications flicker when they are both active
EC-41792	Adding a late joining product should not affect active station lockout status
EC-41181	DIP switch for "amber LED disable" doesn't work for 1 button Inspire station in zone mode
EC-41175	Station in custom config mode does not use amber LEDs for "false" states by default
EC-35931	Stations in combined space with no host send commands but don't indicate
EC-26735	Late joining hosts with different presets active also report OFF

Issues Corrected in Echo Protocol v3.0.7

| EC-40067 | Fade Time Disable DIP and Double-tap were both using 0 second fade time, Double-tap is user configurable and defaults to 500ms |

Issues Corrected in Echo Protocol v3.0.6

| EC-33601 | Space combine indicator performance is poor, can take 3-5 seconds to show correct status |
| EC-28220 | Space Combine is NOT honored locally for local activations |

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Issues Corrected in Echo Protocol v3.0.5

EC-35082   Restore Grace restores arch levels, but doesn't restore preset status

Issues Corrected in Echo Protocol v3.0.1

EC-35152   Hosts booting into existing system do not acquire space combine and apply it to themselves

EC-35083   Occ sensor grace restore "last look" only works if occupancy event is a preset action

EC-33262   Direct level sets using override time take 100 ms longer than configured time

EC-29598   Preset actions from host front panel do not work when spaces are combined

Issues Corrected in Echo Protocol v3.0.0

EC-33617   Echo Output devices do not restore last look during Occ sensor grace period

EC-30422   Stations and devices set to Space 16 ignore space scoped actions (Preset, Off, Flickwarn, etc)

EC-28099   Lockout indicator response is inconsistent and too long when spaces combined

EC-29598   Controllers Indicate Active Presets for Non-enabled Spaces

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Known Issues Remaining in Echo Protocol v3.3.4

EC-47116	Space Toggle button on Inspire station not affected by level of ET channel not patched to zone
EC-47111	Zone/Preset/Sequence status can "flutter" very occasionally due to a receiving host timer rollover
EC-47077	Multi-space off button occasionally flashes on when sequence is still playing
EC-47074	Off actions using timing from an active preset rather than the 2 second standard
EC-47070	Mobile app shows sequences active for sequences 2-4, not just 1
EC-47063	Multi-space hosts maintain preset status in previously-patched spaces
EC-46888	Late joining occupancy sensor controls will assert their configured occupancy action even if associated group was already in occupied state
EC-45629	Hold event configured with fade time for "set to color" actions fades intensity on hold
EC-45596	Differing space/zone levels across bridge segments causes station indication to bounce between values
EC-45462	"Uncombine All" may not uncombine all combined spaces on full Echo bus.
EC-45202	Editing spaces affected by a Demand Response input momentarily sets spaces to false during true condition
EC-44495	Products with Power on behavior can show active zone levels and activated Off status at same time
EC-44432	Manual control from non native space does not trigger occupancy when occupancy action is multi-space
EC-44154	Occupancy groups, vacancy inhibit, and photo inhibit do not support all spaces of a multi-space action
EC-43350	Accessing the Config page on multiple simultaneous mobile app connections causes duplicate devices to be listed
EC-43262	Vacancy action Preset activate can be missed after a grace restore has been triggered due to support for older Occupancy sensors
EC-43138	On occasion large batches of patch config messages can fail to transmit correctly resulting in skipped addresses
EC-43020	When two presets are active in the same space, preset indication toggles between both presets
EC-42572	Unable to toggle sequence off from combined space that does not possess a sequence enabled output product
EC-42401	Space Combine Toggle won't uncombine spaces without any host output products
EC-38851	Late joining bridge results in oscillating mismatched Zone values if different segments have different values for same zones
EC-38839	Late joining bridge results in oscillating mismatched statuses if different segments have different status for same spaces
EC-38694	Zone status does not zero out after last output product for that zone changes to new space
EC-35126	Space toggle when Zones are not at full sets Zones to 0 rather than all at full
EC-34543	Sequence indicator toggles state rapidly when output device with sequence active late joins Echo bus with output device that has inactive sequence
EC-28417	Station activity during sync period following connection of late joining output product incorrectly does not cause LED chase