Echoflex Solutions Release Note
Elaho Expansion Bridge, BACnet and Integration Interfaces

Product Line: Elaho Expansion Bridge, BACnet and Integration Interfaces

Description: Version 3.3.6 Firmware

Expansion Bridge, BACnet and Integration Interface Components

Software	**3.3.6.961**
Echo Protocol	**3.3.6.961**

Effective Date: 2021-10-14

Purpose

This release of software corrects an issue with Paradigm triggered record of presets in specific spaces.

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

Availability

This firmware is currently available in new shipping units. New versions of firmware can be obtained by contacting Echoflex Solutions Technical Services. Reference *Firmware Upgrade Instructions on page 3* for details.

Documentation

Current documentation includes the *Elaho Expansion Bridge Installation Guide*, *Elaho BACnet Interface Installation Guide*, *Elaho BACnet PICS Reference Guide*, *Elaho Integration Interface Installation Guide*, the ElahoAccess App integrated help system, and the Unison Paradigm LightDesigner Configuration Software integrated help system.

Please keep this release note with your installation guide for descriptions of the newest features, changes, and bug fixes. Echoflex Solutions manuals are available 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	v3.3.6
Elaho BACnet Interface	v3.0.0	v3.3.6
Elaho Integration Interface	v3.3.1	v3.3.6
ElahoTouch	v3.0.0	v3.1.1
Elaho DMX Scene Controller	v1.0.0	v3.3.4
Elaho-Echoflex Interface**	v1.0.0	v3.3.5
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
*One Expansion Bridge per system.		
**Reference the Controllable Only section on the following page.		

**Controllable Only

This release of firmware is compatible for control but will not configure the following products:

- **Elaho Relay Panel / Relay Panel Feedthrough**- version 1.0.0 and later
- **Elaho-Echoflex Interface** - version 1.0.0 and later

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Compatible Paradigm Products

The most recent version of Paradigm software is required for use with this Elaho Expansion Bridge firmware:

- **Unison Paradigm Architectural Control Processor** - version 4.2.6 and later
- **Unison Paradigm LightDesigner Software** - version 4.2.6 and later

Note: *Reference the individual product release notes for the most recent versions and features.*

Firmware Upgrade Instructions

The Interface ships with the current version of firmware installed and will not require an update before use. Existing hardware can be field upgraded using a microSD card. New firmware is available through UpdaterAtor software.

1. To update the firmware, you must first prepare a compatible microSD card with the firmware update file. The firmware update file, labeled eeb_fw.efw, must reside on the root of the media.

Note: *Compatible cards include SDHC microSD media up to 32GB, formatted to FAT32. SDXC is not compatible.*

2. Insert the compatible microSD media into the card slot receptacle on the bottom of the unit.

Note: *The microSD card must be installed into the card slot with notched edge directed right.*

3. Use the navigation buttons to navigate and select "Update Firmware" from the menu. A message will prompt, "Insert Media and do not remove until complete. Reboot Now."
4. Press the ✓ (enter) button to begin the firmware update process. The unit will update and reboot when the process is complete.
5. Use the navigation buttons to navigate to the "About" menu to confirm the new installed firmware version.

Key Enhancements in v3.3.6

- Echo Protocol bug fix

Key Enhancements in v3.3.5

- Improved Echo Protocol communications

Key Enhancements in v3.3.4

- Incorporates improvements from newer Echo Protocol versions

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Key Enhancements in v3.3.1
- Initial release of the Integration Interface
- Bug fixes

Key Enhancements in v3.0.0

Using the ElahoAccess App, the following new features are supported:

- Access to configure the BACnet Interface
- Bug fixes

Issues Corrected in v3.3.6

None. Echo Protocol bug fix only.

Known Issues Remaining in v3.3.6

EEB-47106	EII:get message responses do not include termination characters for non-subscribers
EEB-47104	EII: Subscribers are not notified when 'space off' become false
EEB-47089	EII occasionally reports long running relay panel/DMX scene control sequence momentarily stopping and restarting
EEB-47088	EII: Space off is reported true for spaces with no online output products
EEB-47082	Enabling syslog doesn't take effect without a device restart
EEB-47060	Station indication may lag across multiple segments of an EEB
EEB-47057	EBI accepts multistate present value 19 and above, should reject writes
EEB-47054	Sending a wink command twice locks Wink Command Received onto UI, must reboot to clear
EEB-43629	After rapid space or zone slider movements, values can sometimes appear to bounce back to a previous value for a couple seconds
EEB-43464	Device retains cached zone levels for output devices that go offline
EEB-42951	Space color control can take several seconds to update after control
EEB-37978	OFF not indicated immediately when pressed with a panel product (EACP, ERP) Sequence in "Bounce" mode is currently active

Issues Corrected in Echo Protocol v3.3.6

EC-47215	Presets recorded from Paradigm through EEB always include Space 1

Known Issues Remaining in Echo Protocol v3.3.6

EC-47174	Two hosts with the same color temperature zone patched can result in alternating color temperature indication
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.

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Known Issues Remaining in Echo Protocol v3.3.6 (cont.)

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