

Echoflex Solutions Release Note

Elaho Expansion Bridge, BACnet and Integration Interfaces

Product Line:

Elaho Expansion Bridge, BACnet and Integration Interfaces

Description:

Version 3.3.4 Firmware

Expansion Bridge, BACnet and Integration Interface Components

Firmware	3.3.4.951
Echo Protocol	3.3.4.950

Effective Date:

2021-04-29

Purpose

This release incorporates improvements from newer Echo Protocol versions.

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.

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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	v3.3.4
Elaho BACnet Interface	v3.0.0	v3.3.4
Elaho Integration Interface	v3.3.1	v3.3.4
ElahoTouch	v3.0.0	v3.1.0
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	v3.3.4
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 4.2.2 and later
- Unison Paradigm LightDesigner Software - version 4.2.2 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 v3.3.4

- Incorporates improvements from newer Echo Protocol versions

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 v3.3.4

None: Incorporates improvements from newer Echo Protocol versions

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Known Issues Remaining in v3.3.4

- EAI-33660 Mobile app does not show multiple presets active from a late joining output product
- EEB-47106 get: message responses do not include termination characters for non-subscribers
- EEB-47104 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 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 v3.3.4

- EC-47203 Implement Echo Bus communication efficiency reporting

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 Multispace 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 Multispace 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

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Known Issues Remaining in Echo Protocol v3.3.4 (cont.)

- 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