Echoflex Solutions Release Note
ElahoAccess Interface

Product Line: ElahoAccess Interface

Description: Version 3.3.4 Firmware

Access Interface Components

Firmware	**3.3.4.950**
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 *ElahoAccess Interface Installation Guide*, the ElahoAccess Mobile App integrated help system, and the *ElahoAccess Configuring Device Actions Quick Guide*.

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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Firmware Upgrade Instructions

The ElahoAccess 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 ea_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 side edge of the unit.

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

3. Remove the 24 VDC power from the ElahoAccess Interface.
4. Wait five seconds, and then restore 24 VDC power. Both the yellow and the blue LED's will flash to indicated the update is in process.

Note: *This process may take up to 10 minutes to complete.*

5. When the update is complete, the blue LED will remain in a solid state. Remove the microSD card from the interface.

Key Enhancements in v3.3.4

- Incorporates improvements from newer Echo Protocol versions

Key Enhancements in v3.3.1

- Bug fixes

Key Enhancements in v3.0.0

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

- You may now configure the Elaho BACnet Interface
- Bug fixes

Issues Corrected in v3.3.4

None: Incorporates improvements from newer Echo Protocol versions

Known Issues Remaining in v3.3.4

EAI-34482   ElahoAccess device names longer than 7 characters are not supported

EAI-34088   Sometimes not all devices show up in the device configuration page initially when using Bluetooth

Workaround: Exit configuration page and return

Issues Corrected in Echo Protocol v3.3.4

EC-47203   Implement Echo Bus communication efficiency reporting

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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

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

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