

Echoflex Solutions Release Note

Elaho Occupancy and Vacancy Sensors

Product Line: Elaho Occupancy and Vacancy Sensors

Description: Version 3.3.4 Firmware

Occupancy and Vacancy Sensors Components	
Firmware	3.3.4.950
Echo Protocol	3.3.4.950

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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 firmware, please contact Echoflex Solutions using the information at the bottom of this page.

Availability

This firmware is currently available in new shipping units. Elaho Occupancy and Vacancy Sensors are each labeled with the application version number (e.g., v3.3.4) for visual indication of the installed Echo Protocol version.

Documentation

Current documentation for the Elaho Occupancy and Vacancy Sensors includes the following items:

- *Elaho Occupancy Sensor Installation Guide*
- *Elaho Vacancy Sensor Installation Guide*
- ElahoAccess Mobile App integrated help
- *ElahoAccess Application Quick Guide*

Please keep this release note with your installation guide 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](https://www.echoflexsolutions.com).

Additional support documentation can be found at support.etconnect.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

Installation Instructions

The Elaho Occupancy and Vacancy Sensors ship with the current version of firmware installed and will not require an update before use. The sensors are not field-upgradable.

Key Enhancements in v3.3.4

- Incorporates improvements from newer Echo Protocol versions.

Key Enhancements in v3.1.1

- Bug fixes

Key Enhancements in v3.1.0

- Support for Multi Space control features, configurable in the ElahoAccess Mobile App
- Bug fixes

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Key Enhancements in v3.0.0

- Support of Elaho Vacancy Sensor
- Support of Auto On / Auto Off functionality for the Elaho Occupancy Sensor

Key Enhancements in v2.0.0

- Support for custom configuration using ElahoAccess

Initial Features in v1.0.0

- Passive infrared sensing technology
- Three versions available:
 - Large room: 2000 sq. ft. coverage, up to 12 ft ceiling height
 - Small room: 500 sq. ft. coverage, up to 12 ft ceiling height
 - High Ceiling: 2000 sq. ft. coverage, up to 40 ft ceiling height
- Walk-thru mode for coverage verification
- Field-installed coverage masks
- Supports manual-on/auto-off (default) and auto-on/off modes
- Activate or deactivate any system function
- Powered by EchoConnect; auxiliary power is not required
- Each sensor counts as one station on the EchoConnect bus
- Available in white and black
- Can be mounted to any standard electrical box, ceiling or ceiling tile

Issues Corrected in v3.3.4

None: Incorporates improvements from newer Echo Protocol versions

Known Issues Remaining in v3.3.4

- EOSENSOR-40482 Initiating a hold using Timeclock UI sets space occupancy sensors to occupied and restarts their vacancy timer
- EOSENSOR-33324 Walk test function is incorrectly allowed during 60s PIR boot calibration
- EOSENSOR-28298 16 Occ sensors triggering simultaneously can cause missed messages

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

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

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

- 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