

Echoflex Solutions Release Note

Elaho-Echoflex Interface

Product Line: Elaho-Echoflex Interface
Description: Version 3.3.4 firmware

Elaho-Echoflex Interface Components

Elaho-Echoflex Interface Firmware	3.3.4.953
Echo Protocol	3.3.4.952
Radio firmware	902_1013

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 using the information at the bottom of this page.

Availability

This firmware is currently available in all shipping units and can be upgraded in the field using microSD media. New versions of firmware can be downloaded from ETC UpdaterAtoR software. See [Installation Instructions on page 1](#) for details.

Documentation

Current documentation for the Elaho-Echoflex Interface includes the ElahoAccess App integrated help system.

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.

Echoflex Solutions Release Note

Elaho-Echoflex Interface v3.3.4

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
Echoflex wireless devices	902 MHz radios	902 MHz radios
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

*The ElahoAccess App cannot configure the Elaho-Echoflex Interface.

Echoflex Solutions Release Note

Elaho-Echoflex Interface v3.3.4

Key Enhancements in v3.3.4

- Incorporates improvements from newer Echo Protocol versions

Key Enhancements in v1.1.2

- Bug fix

Key Enhancements in v1.1.1

- Updated radio firmware
- Bug fixes

Initial Features in v1.1.0

- Supports 35 linked wireless devices
- Configuration settings for occupancy auto-on versus manual-on
- Bug fixes

Firmware Installation Instructions

The Elaho-Echoflex 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 for the Elaho-Echoflex Interface is available through ETC UpdaterAtoR software.

Update Firmware

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

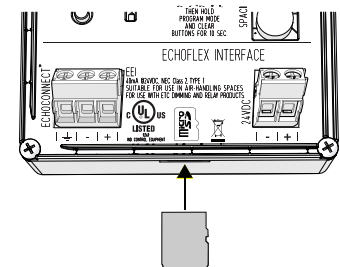


Note: *Compatible cards include SDHC microSD media up to 32 GB, formatted to FAT32. SDXC is not compatible.*

2. Insert the compatible microSD media into the microSD card slot located on the bottom edge of the Elaho-Echoflex Interface.



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



3. Cycle power to the unit. The INPUT STATUS, LEARN/TEACH, and PROGRAM MODE LEDs flash to indicate the update process has begun. After several seconds, the OUTPUT STATUS LEDs illuminate to indicate the progress of the update.



Note: *Do not remove the microSD media until the LEDs are no longer flashing.*

When the process is complete, the LEDs stop flashing and the unit restores to normal operation. View the current version information for the device using the ElahoAccess App. See the ElahoAccess App integrated help system for details.

Echoflex Solutions Release Note

Elaho-Echoflex Interface v3.3.4

Issues Corrected in v3.3.4

None: Incorporates improvements from newer Echo Protocol versions

Known Issues Remaining in v3.3.4

- EEL-38466 EEL wink only winks device outputs associated with wireless outputs
- EEL-34687 Wireless control input is lost when Echo bus is down or disconnected

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

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

Echoflex Solutions Release Note

Elaho-Echoflex Interface v3.3.4

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

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

Echoflex Solutions Release Note

Elaho-Echoflex Interface v3.3.4

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

- 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