

Echoflex Solutions Release Note

Elaho Zone Controllers–Gen 2

Product Line: Elaho Zone Controllers–Gen 2

Description: Version v3.3.0 Firmware

Zone Controllers–Gen 2 Components

Zone Controller–Gen 2 Firmware	3.3.0.418
Echo Protocol	3.3.0.418
PHY	18.3

Effective Date: 2019-12-12

Purpose

This is the initial release of the firmware for the Elaho Forward-Phase Dimmer. This firmware is used in the following Elaho Zone Controllers–Gen 2:

- Elaho 0–10V Controller–Gen 2
- Elaho Phase-Adaptive Dimmer–Gen 2
- Elaho Forward-Phase Dimmer–Gen 2
- Elaho Relay Controller–Gen 2
- Elaho SmartSpace Controller–Gen 2

For any questions relating to the contents of this release or the behavior of this firmware, 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.

Documentation

Current documentation includes the following items:

- *Elaho 0–10V Controller–Gen 2 Installation Guide*
- *Elaho Phase-Adaptive Dimmer–Gen 2 Installation Guide*
- *Elaho Forward-Phase Dimmer–Gen 2 Installation Guide*
- *Elaho Relay Controller–Gen 2 Installation Guide*
- *Elaho SmartSpace–Gen 2 Controller 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.

Echoflex Solutions Release Note

Zone Controllers–Gen 2 v3.3.0

Compatibility

This release is interoperable with the following hardware and software:

Product	Earliest Device Compatibility	Optimal Feature Compatibility
ElahoAccess Application	v1.0.0	v3.3.0
Elaho Expansion Bridge	v1.0.0	v3.3.1
Elaho BACnet Interface	v3.0.0	v3.3.1
Elaho Integration Interface	v3.3.1	v3.3.1
ElahoTouch Mk2	v3.0.1	v3.0.1
Elaho DMX Scene Controller	v1.0.0	v2.1.0
Elaho Echoflex Interface	v1.0.0	v1.1.0
Elaho Contact Input Interface	v1.0.0	v2.0.0
Elaho Contact Output Interface	v1.0.0	v2.0.0
Elaho Demand Response Interface	v2.0.0	v2.0.0
Elaho Responsive Controls	v1.0.0	v3.1.1
Elaho Dual Tech Occupancy and Vacancy Sensors	v1.0.0	v1.1.1
Elaho Dual Tech Switch-mount Occupancy Sensor	v1.0.0	v1.1.1
Elaho Room Controller - Gen2	v1.0.0	v1.0.0
Elaho Room Controller	v3.0.0	v3.0.0
Elaho Zone Controllers - Gen2	v1.0.0	v3.3.0
Elaho Zone Controllers	v3.0.0	v3.0.0
Elaho Inspire Stations	v3.0.0	v3.1.0
Elaho Keyswitch Stations	v3.2.0	v3.2.0
Elaho TimeClock	v1.0.0	v2.0.0
Elaho Preset Stations	v3.0.0	v3.1.0
Elaho Relay Panels	v1.0.0	v3.1.1

Incompatibility

Zone Controllers–Gen 2 v3.3.0 are not compatible with the following:

- Elaho Preset Stations previous to version 2.0.0

Echoflex Solutions Release Note

Zone Controllers–Gen 2 v3.3.0

Key Enhancements in v3.3.0

- Initial release of Elaho Forward-Phase Dimmer–Gen 2

Key Enhancements in v1.0.0

Initial features in Elaho Zone Controllers–Gen 2 include:

- Ability to respond to Demand Response triggers
- Field upgradable using micro SD
- Support for custom configuration using ElahoAccess
- Single- and dual-zone options (Phase-adaptive Dimmers and Forward-phase Dimmers are single-zone only)
- 120–277V AC power input with 20A fully-rated relay for use with general purpose, tungsten, fluorescent and LED loads (Relay Controllers, 0–10V Controllers, SmartSpace Controllers)
- 600-watt 120V or 277V Phase-adaptive Dimmer
- 0–10V dimming for direct connection to dimming ballasts and LED drivers (compatible models only)
- 24 VDC for occupancy sensor power (SmartSpace Controller only)
- Accepts contact closure trigger for occupancy status (SmartSpace Controller only)
- Plug and Play: ready-to-go out of the box; no software or external programming required
- Supports Elaho Control Stations and Responsive Controls
- EchoConnect: Two-wire topology-free system gives you the freedom to put station where you need them:
 - Up to 16 stations and sensors
 - Up to 16 power controllers or panels
 - Up to 500 meters (1,640 feet) of control wire per system (Belden 8471 or equivalent)

Installation Instructions

Elaho Zone Controllers–Gen 2 ship with the current version of firmware installed and will not require an update before use.

For existing controllers, you can update the firmware by using ETC UpdaterAator software and a microSD card. You can download UpdaterAator from the ETC website at etconnect.com, or you can access UpdaterAator from ETC Concert software.

1. Get the firmware update file using UpdaterAator.
2. Save the firmware update file to the root directory of a microSD card.
3. Ensure that power is supplied to the controller.
4. Insert the microSD card in the SD slot on the side of the Zone Controllers–Gen 2 enclosure.
 - The **Dim Mode** LED will illuminate amber in a triple-blink pattern while the firmware is updating, and then will return to its previous state when the update is complete.
 - If the LED illuminates red in a double-blink pattern, an error has occurred. Ensure that the firmware file has not been renamed and is located at the root directory on the microSD card, and then attempt the firmware update again. If the LED continues the double-blink pattern, contact Echoflex Solutions Technical Services using the information at the bottom of page 1.
5. When the LED returns to its previous state, remove the microSD card.

Echoflex Solutions Release Note

Zone Controllers–Gen 2 v3.3.0

Issues Corrected in v3.3.0

EPCG2-46611 Preset fade time edits using the mobile app are not saved in zone controller config pages

Known Issues Remaining in v3.3.0

EPCG2-47077 Phase-adaptive dimmer does not change to Reverse Phase with defaults restoration while running Forward Phase

EPCG2-47080 If microSD card isn't found after rebooting to upgrade, controller may require a button push to reboot into normal operation

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 v3.3.0

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-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-45338 Bus ID does not re-arbitrate if self powered device loses and later regains bus connectivity while remaining powered

Workaround: Power cycle the device after reconnecting to 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 EchoAccess 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