



Control4 Smart Home
OS 3.2.3 Release Notes



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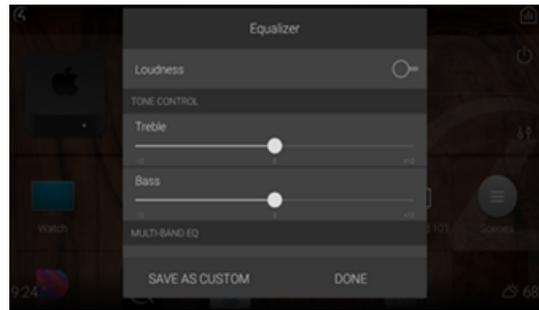
1 Introduction

Control4 Smart Home OS 3.2.3 is now available. This release brings an amazing set of tools that make installs much easier and give you more configuration capabilities for your customer.

There is also an opportunity to participate in a public beta for managing multiple displays; see the below notes on Public Beta for MultiDisplay Manager for details.

2 EQ Controls

OS 3.2.3 adds Equalizer Controls to Navigator! The user can now adjust the sound to suit their taste. When using supported audio hardware, the user can adjust loudness, bass, treble, and multi-band EQ.



2.1 Supported Hardware

The following devices have built-in EQ Controls. Ensure the latest driver has been applied.

- Control4 EA Controller analog audio outputs
- Triad AMS8, AMS24
- Triad AMS8v2, AMS16v2
- Triad One

2.2 Features in the Customer Interface

- **Loudness:** Boosts low and high frequencies to compensate for the ear's sensitivity at low volume.
- **Tone Control:** Bass and Treble sliders adjust low and high frequencies, respectively.
- **Multi-Band EQ:** Sliders adjust the gain of particular frequency bands.
- **EQ Presets:** Save and recall presets on the fly. For example, the user can load a preset for each genre of music. To recall a preset, press the Presets button and select your preset. To save a preset, press the Save as Custom button, select a slot to save it in, and enter a name.

2.3 Enabling the EQ Interface for Customers

In each room, EQ Controls are disabled by default to prevent an inexperienced user from inadvertently degrading their audio experience.

Important: The availability of EQ controls depends on the room's Audio Volume binding. The Audio Volume binding must be connected to a supported device for the EQ controls to be available in the Navigator interface.

To enable the equalizer, open Composer and go to the room level where one of these devices reside. Select the Navigator tab. The new Equalizer Settings section is in that tab. Select the Show EQ in Navigator option. Apply the setting to multiple rooms at once using the Apply To button.

On mobile devices and touch screens, the EQ feature can be accessed by a small icon (shown) when music is playing through one of the supported devices. The EQ button is available on the room's Active Media Tile as well as the Now Playing page.

3 Composer Pro Features and Enhancements

3.1 Enhanced Remote Connections

The new Enhanced Remote Connection is a more reliable connection path and populates a remote system address much faster than before, almost immediately for most users. When using Composer Pro 3.2.3, this functionality supports systems back to OS 3.0.

The Enhanced pathway is the default connection type for all remote connections. As part of the connection process, Composer dialogs show it is making an Enhanced Remote Connection. While connected via an Enhanced Connection, the Composer App title bar shows the system name followed by "(Remote-Enhanced)." Enhanced Remote Connections meet the following requirements:

- User is an authorized user with a Composer access on my.control4.com
- Dealer is the dealer of record for the system
- Systems previously saved under Remote Connections have no stored credentials, or they are dealer credentials (see Customer Account Credentials under Legacy Connection Fallback, below)
- The system must allow for Remote Service (the customer manages this through a toggle on from T4, mobile app, or customer.control4.com)

3.1.1 Legacy Remote Connection Fallback

There are two cases where Composer cannot make an Enhanced Connection (see below). In these cases, Composer automatically falls back to the Legacy method. While connected via a Legacy connection, the Composer App title bar shows the system name followed by "(Remote-Legacy)." Composer uses the Legacy method as described below.

- Customer Account Credentials: When the user credentials are from a customer.control4.com account, the system goes to the Legacy connection. For example, to get support for a configuration issue, you add a temporary account under the customer.control4.com account and provide it to a tech expert in another dealership.
- Control4 OS Patch is missing: In rare instances, systems connected to the Control4 cloud have been updated through a patching process. If you run into this issue, first verify that you are not using a customer.control4.com account. After confirming you are

using dealer credentials, send the Account Name or MAC Address of the primary controller to Technical Support.

3.2 Driver Search

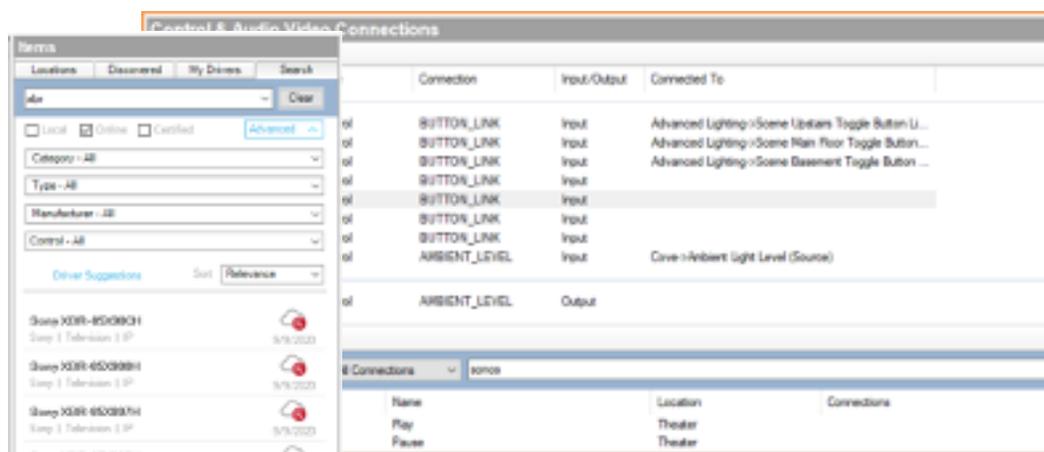
Driver Search is much improved, and the user interface is updated. Partial word searches are optimized so that a few letters deliver search results, a common use case for product model numbers.

The UI now has filtering options under a section of the driver search panel that can be closed (default) or left open. Location and certification display with icons. Manufacturer, Type, Control Method, and Date stamp are shown to help find the correct driver. A blue box is placed around the search field if a filter or term is active.

3.3 Connection Filters

To reduce the time partners spend making AV and Lighting connections, we added Connection Filters to the bottom right pane in the Connections view. Use these to limit the displayed connections by:

- Room
 - Connection status (Not Connected, Connected, All)
 - Device name, connection name, or location by entering search terms into the text box
- A blue box appears around the filter while it is active. The Filters react automatically as you move between devices and across connections. Filters remain until cleared.



3.4 Feedback Menu

This new menu in the menu bar allows you to provide direct feedback to product managers, as well as view suggestions from other partners and upvote the ones you want most. This is not a bug reporting system, but a system so you can provide:

- Ideas to make Composer faster and easier to use
- Ways to make drivers work better or increase their functionality
- New drivers suggestions

3.5 Productivity Folder

Installing Composer Pro 3.2.3 downloads new drivers and populates them in a new folder in the My Drivers window. This folder contains a list of Productivity drivers that can have value in every project. The drivers simplify programming, offer shortcuts, and provide a better experience for end users.

The Productivity folder also includes subfolders that contain the Experience Buttons for AV, and relay-controlled devices.

For more information on these productivity drivers, see [KB Article 2211: Drivers That Should Be in Every Control4 Project](#).

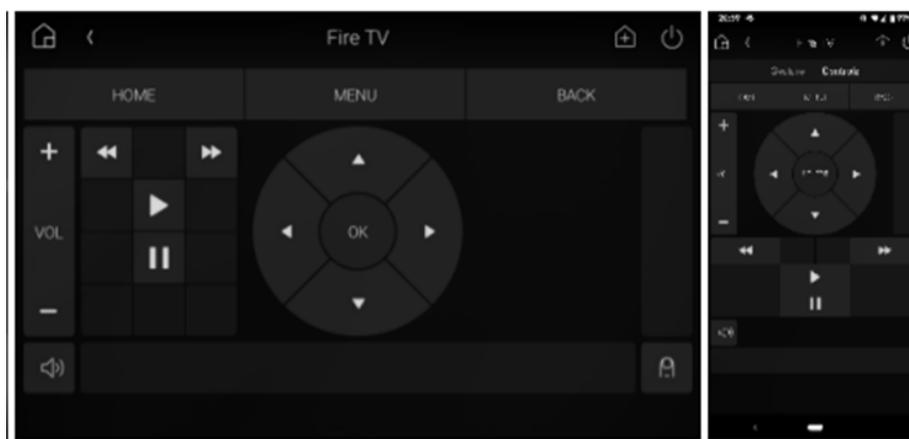
3.6 Lighting Keypad Widget

The Lighting Default screen for a project now shows a visual preview of the button style (traditional or contemporary), with font size, alignment, and color. The sample engraving preview image automatically updates as you make changes in the Lighting Keypad Widget.

Because setting Lighting Defaults is an often-overlooked step, when you add the first Gen 3 keypad or lighting device to the project, Composer Pro pops up the Keypad Widget where you edit or verify the default settings for the project.

4 Dynamic AV Buttons

By popular demand (see *Feedback Menu*, above), driver creators can now select the device controls that should be visible to the user on the graphical interface. This addition to DriverWorks allows a driver to declare the transport controls, button bar buttons, and dashboard buttons (shown in the Active Media tile) that it supports using driver capabilities.



4.1 Updated Drivers

The following drivers from Snap One have already been updated for OS 3.2.3. This update removes the Channel Up/Down, Skip Forward, Skip Back, Record, Stop, Red, Green, Yellow, Blue and Eject buttons:

- Apple TV IP [IR] (Gen 1-3 [IP])

- Apple TV IP (Gen 4 & 4K)
- Amazon Fire TV
- Roku

5 Automatic Updates for Touch Screens and TV Interfaces

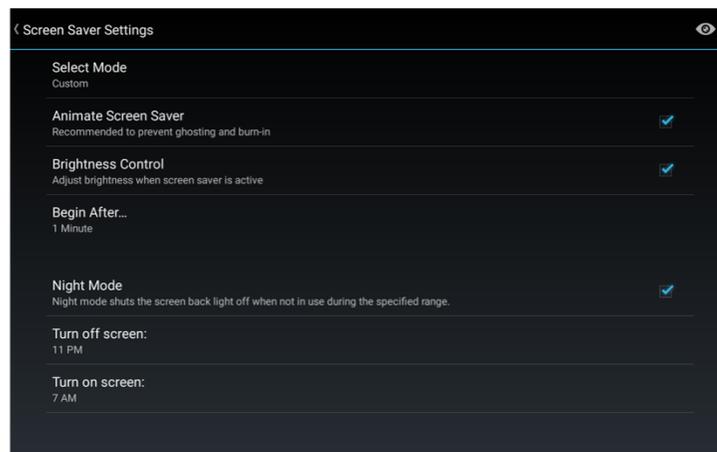
These updates are delivered to Touch Screens on OS 3.1.3+ and TV Interfaces on OS 3.2.0+, which is when automatic update support was introduced.

5.1 Night Mode for Touch Screens

Night Mode gives users a new option to turn off their Touch Screen's backlight during specified hours. While enabled, the screen behaves as if it has a blank screen saver, immediately waking up once touched. This conserves energy, reduces light pollution during nighttime hours, and extends the life of the touch screen. This feature is backwards compatible to OS 3.1.3 and was automatically pushed to all T3 and T4 touchscreens on 22 September. Implementation differs by model.

T3 touchscreens have this feature disabled by default.

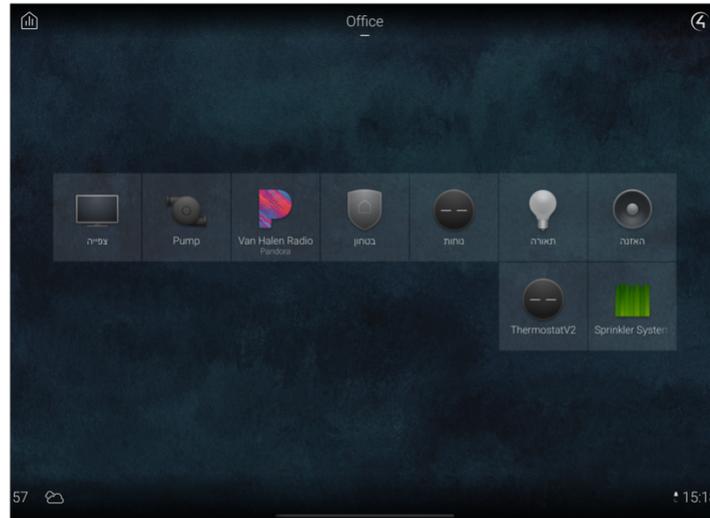
T4 touchscreens have this feature enabled by default, with a default schedule of 12 AM – 6 AM. This ensures the panel does not suffer from ghosting or image crosstalk before they can be replaced through the T4 Replacement Program (being announced later this year).



5.2 Language Support Changes

The OS 3 user interface now supports languages that read from right to left. Hebrew is the first language OS 3 supports.

Note: Language support is not currently available for the Neeo remote.



6 Driver Developer SDK Updates

The DriverWorks SDK now includes instructions to help driver developers implement dynamic transport controls and adds support for Navigator EQ functionality to third-party amplifier drivers. Find the updated SDK at <https://github.com/control4/docs-driverworks>.

7 Public Beta for MultiDisplay Manager

Over the past nine months, our commercial team has engineered a comprehensive solution to integrate a multi-display deployment with a simple, single-page user interface. This intuitive and interactive solution can be deployed in commercial, hospitality, retail, and residential sites. As you can imagine, the hardware configuration possibilities are nearly limitless.

We ran the new endpoint, agent, and UI through our suite of testing and validation procedures, both internally and through our external beta program. The MultiDisplay Manager is now at a stage where it can be shared with a much broader audience to provide us with the data and feedback we need to polish this feature and make it available for consumer integration.

Today we are announcing the public beta for the MultiDisplay Manager and would love to have your participation to help us bring this exciting new feature functionality across the finish line. To participate in the MultiDisplay public beta, visit <https://ctrl4.co/mdmbeta> for all instructions, release materials, and support.

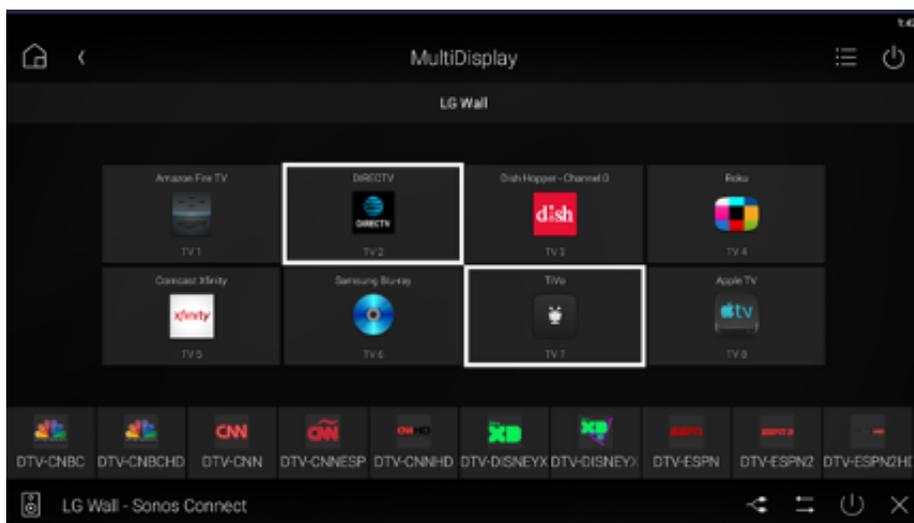
7.1 Support for Multiple Displays and Audio Zones

This release adds native support and easy integration for advanced audio/video scenarios common to commercial, retail, and hospitality sites with multiple displays in a room, and separate zones of audio.

The user interface for the MultiDisplay Manager provides a single-page with multi-display controls. This allows the user to select a different source for each display and select multiple displays to show the same source.

Audio-breakouts through the Multi-Display Manager allow the user to select video sources, and independently select a different audio source.

Due to the interface requirements to display all the available controls, the MultiDisplay Manager is only available on Control4 touchscreens and the Control4 OS 3 apps for Android tablets and iPads.

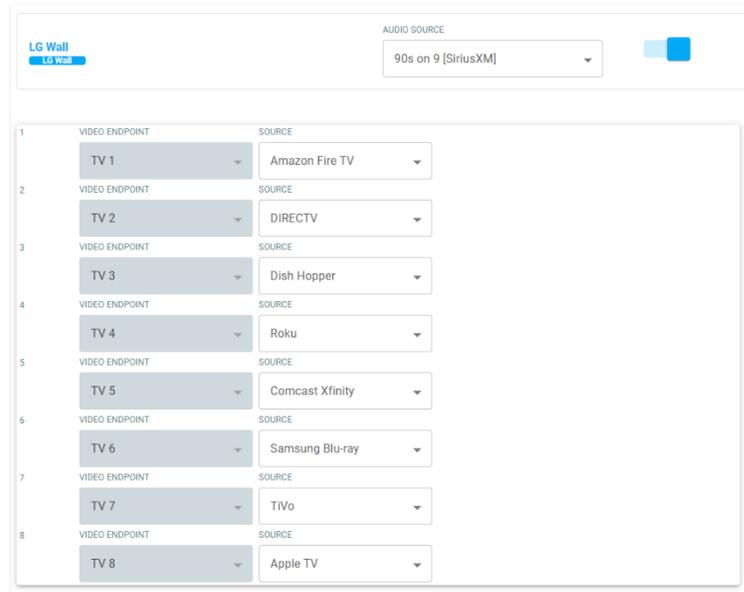


7.2 MultiDisplay Manager Presets

The MultiDisplay Manager agent, in Composer Pro, can assign default audio and video sources for each display. These default sources are not user-accessible and must be changed by the partner--only set default sources if the initial configuration will never change.

Instead, using the MultiDisplay user interface, make the desired video and audio selections, then save that configuration as a Preset, which can be recalled, edited, or removed by the user as needed. Users can also create Presets spontaneously.

Favorite the presets for each of the common configurations to the room to provide the user with single-button, multi-display control.



8 Defects Addressed

Lighting

[LIGHT-1574] - Director crashes when pushing buttons on a wired keypad while TCP connection to gateway_v1 is being established.

[LIGHT-1479] - Centralized Lighting BEG network config corrupted if set to static IP address after updating to 3.2.2

[LIGHT-1446] - Centralized Lighting modules show offline after power outage.

[LIGHT-1415] - Centralized Lighting has a loss of control on modules after prolonged network loss

[LIGHT-1414] - Centralized Lighting modules take up to 2 minutes to come online and respond

[LIGHT-1229] - After 9-4-9 on wired keypad lose functionality of ambient mode

[LIGHT-1217] - Ambient Light: When follower is reset, it does not update light level until source's level is changed

[LIGHT-1100] - After updating, the toggle led colors for blinds seems to be defaulting to the closed color.

Embedded Communications

[EMCOMM -1199] - Old firmware is getting stuck with the error: "Retrieving firmware version from Legacy Device at <IP>" and not moving on to update other devices

Note: OS 3.2.3 fixes the issue on the Audio Matrix Switches (AMS) and Matrixed Amps going into an offline state preventing the centralized modules from updating firmware. EMCOMM-1199

Embedded Lighting

[EL-7702] - Centralized Lighting BEGv1 MAC address corruption after update to OS 3.2.2 and subsequent 9 tap of the device

[EL-7653] - Centralized Lighting Bus Ethernet Gateways are falling offline and will not come back online after updating to 3.2.2

[EL-2255] - Centralized Lighting APD/FPD modules won't go the level set in all cases.

Partner Configuration

[DC-4903] - Composer 3.2.2 drivers are slow to load in Australia

[DC-4888] - In Driver Manager if you select all drivers and choose Update, it crashes.

[DC-4868] - Detective suite no longer shows variable names in 3.2.2

[DC-4774] - Error Code: (403) Sub Code: (0) when attempting to back up the project to the cloud

[DC-4742] - Cannot start the terminal via network connections on a controller that has been ID'd via IP address.

[DC-4731] - System with multiple Zigbee meshes not showing correct Zigbee status when one mesh is offline.

[DC-4700] - Remote account list does not populate column data for accounts listed that require the scroll bar to view.

[DC-4661] - Centralized Lighting modules are showing offline, but they are working correctly.

[DC-4451] - Composer Pro is missing a period on "Unable to authenticate" message

[DC-4450] - Composer Pro has a grammar error on "Unable to authenticate" message

[DC-3783] - Composer Pro terminal receives a - "Device Not Online" during an SSH session while System Manager is able to SSH into the device.

[DC-3455] - Composer cloud management download crash

[DC-3266] - Device type "others" cannot be added to the My Drivers list

[DC-3194] - Network IP tree view not sorting IP addresses properly

[DC-2824] - Composer Pro is unable to terminal to primary controller if ID'd via IP address

[DC-2251] - Composer Pro: Prevent text from overlapping in the driver search pane.

Cloud Services

[CS-10072] - The raproxyd service is not recovering from loss of authentication - no remote connectivity possible

Core Services

[CORE-6739] - Failing to load favorites after updating to 3.2.2

[CORE-6685] - Update stuck in a loop with high CPU utilization

[CORE-6363] - Controller stuck on update

User Interfaces

[CI-17804] - Erratic behavior when undocked and panel goes into screensaver mode.

[CI-17526] - Certain listen sources do not work from the on-screen navigator in OS 3.2.2

[CI-16868] - Fetching room experiences during a lighting dim command yields inconsistent "active" status

[CI-16856] - Black Bar covering Hebrew Fonts

[CI-16588] - T3 touch screen receiving the error "Control4 isn't responding. Do you want to close it?"

Audio & Video

[AV-7782] - Crash when an audio source is chosen due to a corrupted Triad AMS 24 driver.

[AV-7745] - Adding duplicate channels through cable TV stops the adding process

[AV-7678] - No HDMI audio HC-800 on 3.2.2

[AV-7548] - Intercom port conflict with IOserver (port 20000)

[AV-7533] - When using digital input of controller and another session is changed / started, both rooms play the new content

[AV-7532] - Loss of control on an AMS device

[AV-7514] - Sony CX777ES 232: Disc selection from My Movies not working in OS 3.x

[AV-5516] - AMS24 driver fails to update to 126 (from 124) -- or it updated and isn't showing correct info.

[AV-4966] - "Audio In 1" shows as a connection for the UI device portion of the EA-5 driver

9 Firmware Changes

Device	SKU(s)	Firmware Version
Centralized Lighting 0-10V CLV2	C4-DIN-8TV-E-V2	3.1.30
RS485 GatewayV1	C4-DIN-8TV-E-V2	4.0.105

Note: OS 3.2.3 fixes the issue on the Audio Matrix Switches (AMS) and Matrixed Amps going into an offline state preventing the centralized modules from updating firmware. EMCOMM-1199

10 Life Cycle Changes

No new life cycle changes with OS 3.2.3

10.1 Upgrade Path

To upgrade to OS 3.2.3, current Control4 systems must be OS 2.10.0 or higher.

11 Software Product Release Versions

Control4 software releases (since 3.x)		
Release 3.0.x		
Tuesday, May 22, 2019	3.0.0.562835-res	Initial Release – New user experience and Composer enhancements.
Friday, June 11, 2019	3.0.0.563304 -res	Maintenance Release that supersedes the previous 3.0.0.562835-res version
Release 3.1.x		
Wednesday, September 11, 2019	3.1.0.566775-res	Initial Release – CA-10, Google Assistant, Composer Pro version independence, Intercom Anywhere expansion, OSD lighting, Sessions, pinch and zoom on Android
Tuesday, September 17, 2019	3.1.1.569774-res	Maintenance Release – Security update with default password removal. OSD room change.
Wednesday, March 4, 2020	3.1.2.571828-res	Maintenance Release – Faster camera snapshots, and defect fixes.
Wednesday, May 27, 2020	3.1.3.574826-res	Maintenance Release – Access agent, Composer package management structure changes, component updates for OSD and T3, and defect fixes.
Release 3.2.x		
Tuesday, October 13, 2020	3.2.0.586513-res	Full Release – Video doorbell, Control4 OS 3 Mobile App with Intercom, History View, SR-260 volume feedback, Driver add Driver SDK
Monday, December 7, 2020	3.2.1.589103	Maintenance Release – Support for the T4 touchscreens and defect fixes.
Wednesday, March 24, 2021	3.2.1.593279-res	Maintenance Release – T4 touch screen backlight adjustment
Tuesday, May 25, 2021	3.2.2.598005-res	Maintenance Release – OvrC Pro on controllers, Ambient Light Sensor source and followers, Centralized Lighting and Gateway security, Zigbee Health, Device Logs, Access Agent support for thermostat schedule and presets
	3.2.3.xxxxxx-res	Maintenance Release – Commercial for Restaurants and Sports Bars, EQ Controls, Driver Search, Connection Filters, Feedback Menu, Productivity Folder, Lighting Keypad Widget, Dynamic AV
Release 3.2.x		
		Buttons, Night Mode, ad Hebrew Language.

12 Technical Support Contact Information

If you encounter any issues during or following the update, or if you have any questions, please contact Control4 Technical Support for assistance.

USA	(888) 400-4072
UK	+44 1347 300001
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About Control4

Control4, a leading provider of the operating system for the smart home, delivers intelligent control of consumer electronics products, appliances and networking systems through an easy-to-use and intuitive software interface. Founded in 2003, the company delivers affordable automation and control of lighting, music, video, HVAC, security, and energy management systems to the broad market through more than 1,600 custom integrators, retail outlets, and distributors in over 65 countries. Control4 is the platform of choice for major consumer electronics companies, hotels, businesses and utilities that require an intelligent, open and affordable control solution. For more information, visit www.control4.com.

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Spread

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Libertas

Libertas Firmware copyright statement for Touch Screens 6/26/09

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