Control4 Smart Home
OS 3.3.0 Release Notes

Contents

To view the online version of this document, go to ctrl4.co/releasenotes.

1 Introduction

The Control4 Smart Home OS 3.3.0 release supports the new CORE series controllers, adds colorized lighting support for our dealers and homeowners, and includes time-saving changes for partners by making setup easier and faster in Composer Pro.

2 CORE Controllers

The CORE controllers are a direct replacement for the current EA series controllers that exceed the capabilities of the previous EA controllers by offering the following enhancements:

- New quad core processors for increased speed and future feature releases

- A single CORE 1 model with both PoE and AC power options built in

- Greater flexibility with more audio outputs across all models

- Advanced audio controls and new DSP engine (CORE 5 only)

- Fanless hardware design that includes a heat sink chassis to run cooler and more reliably

- Onboard Z-Wave chip will be supported in a future release. (CORE 3 and CORE 5 only)

- Upgraded HDMI 2.0 output supports 4K @ 60Hz

- Added a second USB 3.0 port to the CORE 5

- Installer-friendly rack and wall mounting options. (Rack ears included with CORE 3 and CORE 5)

> **Note**: The Z-Wave dongle (which was created and supported for EA controllers) is not supported on CORE controllers. Systems will need an EA controller or CA-1 to maintain Z-Wave support until the onboard Z-Wave chip on CORE controllers is activated.

Learn more about the CORE controllers here.

3 Color and Tunable White Lighting

A native color wheel for color and tunable white lighting is available with OS 3.3.0. An updated lighting proxy and new agent support both color and tunable white lighting. Homeowners can easily set the mood of their home (or any space where color/tunable

lighting is used) by changing the color of light. Color settings can be saved as presets and recalled in one click. Color and tunable white can also be used in lighting scenes created by either the partner or user.

3.1 Color Agent

Color presets are created and managed in the new Color agent, which is automatically added to every OS 3.3.0 system. The Color agent comes with pre-populated presets that can be edited or deleted. Presets can be created by both partners and customers. The agent allows the installer to export their favorite presets and import them into any project. Additionally, the order of presets is consistent across all interfaces, including Composer.

The color/tunable lighting presets are global and available to any color light in the project, if the light fixture can create that color. The Color agent identifies if a preset was created by a customer, partner, or is a part of the default list.
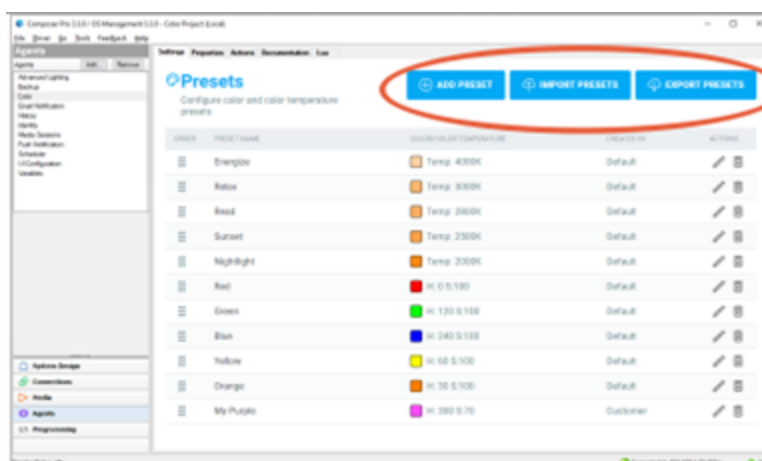
3.2 Color in Advanced Lighting Scenes

The Advanced Lighting agent has been updated to incorporate color into lighting scenes. A load in a scene can be adjusted with both color and brightness at the same time or brightness and color separately. This adds a great deal of flexibility when creating scenes to keep color consistent as a scene transitions. Colors and temperatures can be picked from the list of presets or from the color wheel.
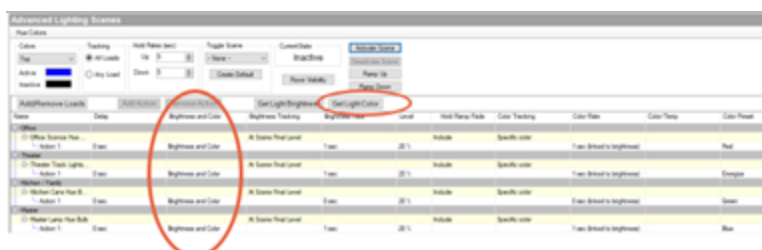
3.3 Color Spaces

In previous versions of Control4 OS, you could only control color through red, green, and blue (RGB) sliders. With OS 3.3.0, RGB sliders are no longer used. You can now select the desired color using a color wheel (X,Y color selector), and the software figures out what levels of red, green, blue, and white are needed to reach that color. The color wheel selector allows you to shift your thinking from RGB to hue and saturation (X,Y

color). For the largest selection of color and the most accurate color selection, use the color wheel (X,Y color) selector in the Color agent.

If you have an RGB value that you want to use, you can convert the RGB values to a hue and saturation using either the control panel or the Color agent. See this Smart Skill for further instructions.
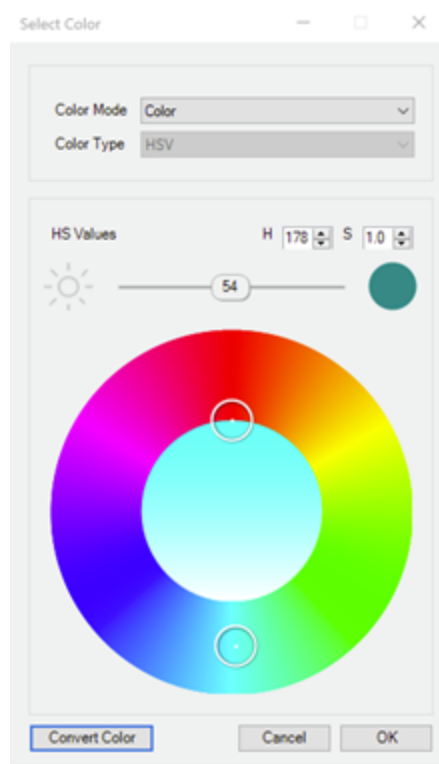
A key desire for color in lighting is that the color remains consistent as light is dimmed or brightened. A key element to achieving this is separating color and brightness. Using a color preset only captures the color; it does not capture the brightness. To capture both color and brightness, create a scene in Advanced Lighting agent.

3.4 Color Capable Drivers

Color lighting drivers using multiple light sliders in the UI created prior to OS 3.3.0 are still usable in OS 3.3.0 but they cannot be updated to get access to the new color wheel. You must add a new OS 3.3.0 version of that driver to get color wheel access. Similarly, the new color drivers will not work in an OS older than OS 3.3.0

Automated replacement for old drivers to OS 3.3.0 versions is not feasible with all the partner color lighting drivers that exist.

3.5 Color Oriented Smart Skills

A wide range of Smart Skills have been created to help you learn how to use all the new features of color in OS 3.3.0. Watch them here.

4 Composer Pro and Composer Express Updates

Composer Pro and Composer Express have been updated to support CORE controllers. In addition, a handful of useful and time-saving features for partners are included in Composer Pro 3.3.0.

4.1 Migration Wizard Supports CORE Controllers

The Migration Wizard in Composer Pro has been updated to support CORE controllers. The Migration Wizard lets partners pick the physical connections to move to the new CORE controller; back up the project; migrate the project to the new controller with its drivers, connections, Zigbee mesh, and all programming; and update registration to the new controller.

Since controllers can support a different number of connections, all connections migrate in sequential order starting at the first available option. For example, if a single IR connection on an EA-3 is connected to IR Output 3, this connection maps to a CORE 3 to IR Output 1 (the first available connection).

See the Migration Wizard documentation for detailed instructions.

4.2 New Remote Connection Screens

The remote connection screen has been updated to make it easier for partners to connect to any customer system managed by their dealership. The new connection screen has three tabs and is "sticky" so the last tab that was used is in focus when the partner comes back. The new Remote Connection Screen is optimized for three primary use cases :

• Find and connect to any customer system through the Lookup screen. Partners can look up any customer they have rights to access based on user access settings on my.control4.com. A search field makes it easy to find accounts or even customers on a specific version of the C4 OS.

• Right-click on any system to save as a Favorite. When a partner is authorized as a user in multiple dealerships, they can change accounts by pressing the Edit button to change their credentials.

• The Recent tab allows partners to see the previous ten (10) remote connection sessions for fast access when supporting an install. The list updates automatically.

4.3 Lighting Defaults Style "Apply To..."

Prior to Composer Pro 3.3.0, inconsistency in lighting button text size, alignment, and finish could be tedious and time-consuming to fix--each light needed review and changes. With the introduction of the Contemporary lighting style, new options, including color, are also available. Composer Pro 3.3.0 includes an Apply To... option at the project level on the Lighting Defaults tab that offers partners a fast and easy way to update all (or part) of the lights in a project. The Apply To... feature also checks all labels to make sure the characters fit. If the label is too long, you can preview and edit the label as part of the process.
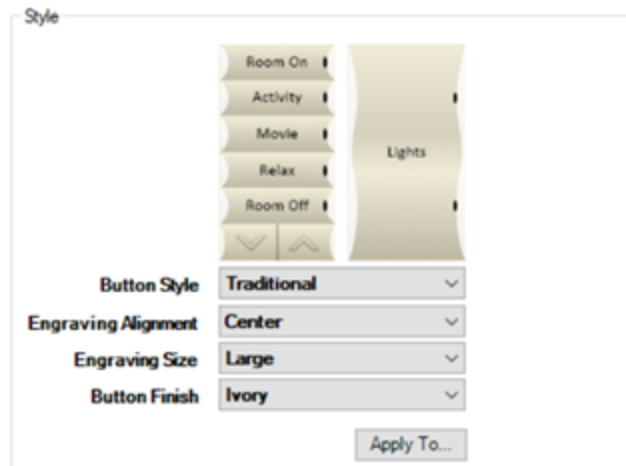
4.4 Connection Filter Supports Lighting Scenes

After the Connection Filter was released in Composer 3.2.3, we immediately received feedback that we missed supporting Lighting Scenes filtered to a room. The Connection Filter has been updated to support Lighting Scenes based on the visibility of the scene.
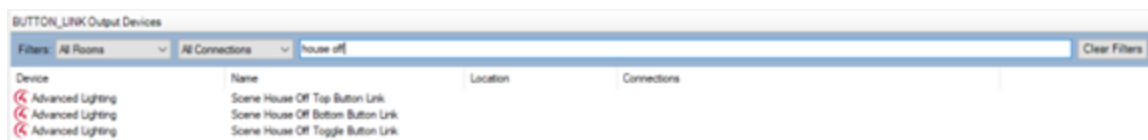
4.5 Brightness Presets and Button Connections on Lighting Dimmer Drivers

Included in all dimmable lights' properties is a new feature to configure Brightness Presets for the load connected to the dimmer. On each preset, you can configure the brightness level, ramp rate, and the status LED colors for the active and inactive states. After configuring the Brightness Preset, a BUTTON_LINK connection is created that can connect the Brightness Preset to a keypad button. The keypad button's status LED follows the Brightness Preset's configured status LED colors with no additional programming required.

4.6 Hot Keys for Tree View on System Design

Shortcut keys have been added to enhance navigating through a long list of items in the Tree View on the System Design and Connections views.

- To Collapse Rooms, use the **Ctrl+R** shortcut.

- To Collapse Devices, use the **Ctrl+D** shortcut.

- Want to Expand All items in the list? Use **Ctrl+E**.

4.7 Dialog Window Size Saved and Restored on Future Use

Previously, Composer always opened small dialog windows, wasting time to resize each time a dialog was opened. Composer Pro 3.3.0 saves dialog window sizes and positions when each window is closed, and the dialog appears in the same size and position the next time it's opened.

4.8 Backup Options and Backup Agent consistency

The options presented in the Back Up and Back Up As menu options and the Backup Agent have been cleaned up and clarified.

- Project Data is the default option for Back Up, and it's always selected. Project Data includes drivers, connections, meshes (Zigbee and Z-Wave), and all programming.

- Optional items can be selected and include personal info (passwords, favorites), media artwork (album/movie art, channel/station logos), announcements (audio files), wallpaper (backgrounds, photos), and screen saver images.

Note: Screen saver images are only supported from Composer > File > Back Up. Include them when on-site and never over remote connections.

Note: A project restored from the Backup agent includes the entire project; selection options or a subset of the project are no longer supported.

5 Unsupported Zigbee Configurations in OS 3.3.0

With the release of OS 3.3.0, two legacy Zigbee configurations are no longer supported. Unsupported configurations include:

- Splitting Zigbee processes across two physical controllers (ZServer and ZAP Coordinator)

- A Zigbee mesh with a ZAP Coordinator and additional ZAPs running on the same mesh (multi-ZAP configurations).

This change is necessary for maximum compatibility with future software and hardware releases.

5.1 Systems with Unsupported Configurations can be Updated to OS 3.3.0

Existing systems on CA, EA, or HC-800 controllers can be updated to OS 3.3.0 with unsupported Zigbee configurations.

NOTE: These systems will continue to function as they did in OS 3.2.4.

Systems running unsupported Zigbee configurations will see a warning notice on the project's Zigbee Configuration tab that an unsupported Zigbee configuration is present. This warning includes a link to an article with instructions to correct the unsupported configuration. These configurations are being marked as unsupported because they will not be supported on future OS releases or new controller hardware with Zigbee support. Systems with supported Zigbee configurations, or systems that are modified to conform, will not see the warning message.

The following is a screenshot of the Zigbee Configuration tab showing:

Name	**IP Address**	**Controller Status**	**Zigbee Server**	**Zigbee Status**	**Channel**	**ZAP Status**
Brad's Office->EA-3	192.168.0.109		Enabled	Running	24	
Brad's Office->EA-3	192.168.0.109					Coordinator
Brad's Office->EA-5	192.168.0.116					ZAP
TV Room->EA-1	192.168.0.102		Enabled	Running	23	
Brad's Office->CA-1	192.168.0.112					Coordinator

5.2 Modifying Systems on OS 3.3.0 with Unsupported Zigbee Configs

Systems that are upgraded to OS 3.3.0 and include a deprecated Zigbee configuration can only be modified to bring the system to a supported configuration. If the system has a split-mesh controller, partners can unify the processes onto a single-mesh controller--ZServer and ZAP Coordinator running on the same physical hardware. If the system has multiple ZAPs configured on a mesh, remove additional controllers running as ZAPs.

5.3 Creating New Zigbee Networks in OS 3.3.0

Beginning with OS 3.3.0, Composer will require all new Zigbee network configurations to run on a Zigbee Mesh Controller—a single CORE, EA, CA-1, or HC-800 controller. Composer prevents a partner from creating an unsupported Zigbee configuration. As with previous OS releases, additional mesh controllers can be added to scale Zigbee networks to more than 70 nodes or enable nodes in different locations on a property.

> Note: Because the CA-10 controller does not include a Zigbee radio, the CA-10 cannot be configured as a mesh controller.

5.4 Backward Compatibility - Using Composer Pro 3.3.0 with OS 3.0.0 through OS 3.2.4

To support older OS releases, Composer will continue to show the old Zigbee options if the system is running OS 3.0.0 through 3.2.4.

6 Firmware Changes

Device	SKU(s)	Firmware Version
Gen3 Adaptive phase, Keypad Dimmer, Forward Phase Dimmer	C4-APD120 C4-KD120 C4-FPD120	5.0.9.d461fa2
Gen3 Switch, Speed Fan, and 0-10V Dimmer	C4-SW120277 C4-4SF120 C4-TV120277	5.0.9.d461fa2
Gen3i Dimmer	C4-SAPD240	5.0.8.80a9300
Gen3i Switch	C4-SSW240	5.0.1.113cb99
Gen3i Dual Channel Dimmer	C4-SDAPD240	5.0.5f726e1f
Gen3i Dual Channel Switch	C4-SDSW240	5.0.1.a4b2345
System Remote Control SR-260	C4-SR260	2.2.50.85a3e94
8-Channel 0-10V Module V2	C4-DIN-8TV-E-V2	3.1.54

7 Life Cycle Changes

The USB Stick Install Creator is no longer supported and is available for partner use "As-Is." The USB Stick Install Creator does not support CA or CORE Controllers and will not be updated further.

7.1 Upgrade Path

To upgrade to OS 3.3.0, current Control4 systems must be OS 2.10.0 or higher.

8 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
Wednesday, September 22, 2021	3.2.3.606460-res	Maintenance Release – Commercial for Restaurants and Sports Bars (public beta), EQ Controls, Driver Search, Connection Filters, Feedback Menu, Productivity Folder, Lighting Keypad Widget, Dynamic AV Buttons, Night Mode, and Hebrew Language.
Thursday, December 2, 2021	3.2.4.612716-res	Maintenance Release – MultiDisplay Manager Release and defect fixes
Wednesday, June 8, 2022	3.3.0.628678-res	Full Release – Core Controllers, Color Lighting, Remote Connection Screen, and Zigbee Configuration Change

9 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
Germany	+49 69 9675 9797
Australia	+61 18 0099 0548
China	+86 400 8428136

For support in regions covered by a distribution partner, contact your distributor.

10 Legal Notices

This document is confidential and is only made available to authorized Control4 Dealers who have agreed to terms of confidentiality under the Control4 Non-Disclosure Agreement. These terms must be maintained and pertain to information found in this document.

Information in this document, including URL and other Internet website references, is subject to change without notice and is provided for informational purposes only. The entire risk of the use or results of the use of this document remains with the user, and Control4 makes no warranties, either express or implied. Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Control4.

Control4 may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document. Except as expressly provided in any written license agreement from Control4, the furnishing of this document does not give you any license to patents, trademarks, copyrights, or other intellectual property.

This document is for reference purposes only, and it is provided only as advice to Dealers. Each system setup is unique and customized to a specific customer's needs. It is the Dealer's responsibility to make sure the system is compatible before making any changes and installing any updates. In addition, it is the Dealers responsibility to get the customer's permission before accessing the customer's system and making any changes or installing any updates.

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.

Disclaimer

Control4 makes no representations or warranties with respect to this publication, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Control4 reserves the right to make changes to any and all parts of this publication at any time, without any obligation to notify any person or entity of such changes.

Licenses

GNU

GNU GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION (Section 3.b.)

You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange. The complete text for this license is available on the Control4 website.

Gracenote

Gracenote®, Gracenote logo and logotype, and the "Powered by Gracenote" logo are either a registered trademark or a trademark of Gracenote, Inc. in the United States and/or other countries. Music and DVD recognition technology and related data are provided by Gracenote—Gracenote is the industry standard in Music and DVD recognition technology and related content delivery. For more information visit www.gracenote.com.

Spread

This product uses software developed by Spread Concepts LLC for use in the Spread toolkit. For more information about Spread see http://www.spread.org.

Libertas

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

Copyright (c) 2006, One Laptop per Child and Marvell Corporation. All rights reserved.

Redistribution—Redistribution and use in binary form, without modification, are permitted provided that the following conditions are met:

* Redistributions must reproduce the above copyright notice and the following disclaimer in the documentation and/or other materials provided with the distribution.

* Neither the name of Marvell Corporation nor the names of its suppliers may be used to endorse or promote products derived from this software without specific prior written permission.

* No reverse engineering, decompilation, or disassembly of this software is permitted.

Copyright

Z-Wave

The Z-Wave trademark and logo are owned by Sigma Designs, Inc.

Contact Information

Control4 Corporation
11734 S. Election Road
Salt Lake City, UT 84020 USA
http://www.control4.com

Part Number: DOC-00506, Rev. A (OS 3.3.0) DH
Control4 Smart Home OS 3.3.0 Release Notes