Handcrafted drivers and extensions built for the Crestron Home platform by Wired Media Solutions - chdrivers.com

Driver – Colorbeam GATEway Platform TCP
version 1.001.0036

Driver

This release note is for the Crestron driver Platform_Colorbeam_GATEway_TCP.

Notes and Recommendations

We recommend configuring the Colorbeam GATEway before beginning the installation process. See https://info.cb-na.com/guide/Processor/configure-cbna-processor.html for Colorbeam's guide on configuring a GATEway.

System Requirements and Dependencies

We recommend using Crestron Home v3.006.0132 or newer. Drivers that require licensing from WMS will need our licensing extension installed and configured for use, even in trial instances. Please view our quickstart available at the following link for more information on licensing.
https://chdrivers.com/pages/quickstart

Installation/Upgrade Instructions

- Configure the GATEway for your installation
  - See https://info.cb-na.com/guide/Processor/configure-cbna-processor.html for help configuring a Colorbeam GATEway

- Ensure the WMS License Manager is installed

- Install the Colorbeam platform driver
  - Enter a name for the GATEway, this will be the name displayed for the folder with the discovered configuration.
  - Enter the GATEway's ip address in the Ip address field.
  - Leave the default port value of 3333.
  - Leave the authentication required box unchecked, as this device does not require authentication.

- At the second prompt, please enter a unique id for the GATEway. This is used to distinguish between multiple GATEways in a single installation.

Enter a descriptive name for GATEway

Please enter TCP/IP settings:

TCP/IP settings	Value
IP Address / Host Name	
IP Port	3333

Requires Authentication: ☐

OK   Cancel

- Each instance of a GATEway platform driver will create one console command:
  - CBP<unique id>: Will print to the Crestron console a list of discovered loads from the GATEway configuration
  - If you've forgotten the unique id, reference the Location panel in Installer Settings tab of the Crestron Home Setup App or issue "hidhelp all" to the console and scroll to locate the prefixes CBP and CBR.

Colorbeam Settings ✕

About | Control | Installer Settings | Connections | Advanced

ⓘ **Location**
Enter a unique location, 20 characters or fewer, for this Colorbeam GATEway.

DefaultId

ⓘ **Console Commands**
If you would like to print the current list of discovered loads from the GATEway, issue the command CBP[unique_id] to the Crestron console. The [unique_id] is the unique location entered during setup.

- Use your favorite web browser (We recommend Google Chrome) to navigate to https://<processor_ip>/wms/index.html
  - Select Colorbeam GATEway from the side menu
  - Select REQUEST TRIAL or provide a License Key
  - Licenses are available at https://chdrivers.com

- This driver will automatically reach out to the GATEway and download the current configuration.
  - Once the configuration has been retrieved, a folder with the same name you gave the GATEway will appear above the driver. This folder will contain all of the discovered rooms and keypads.
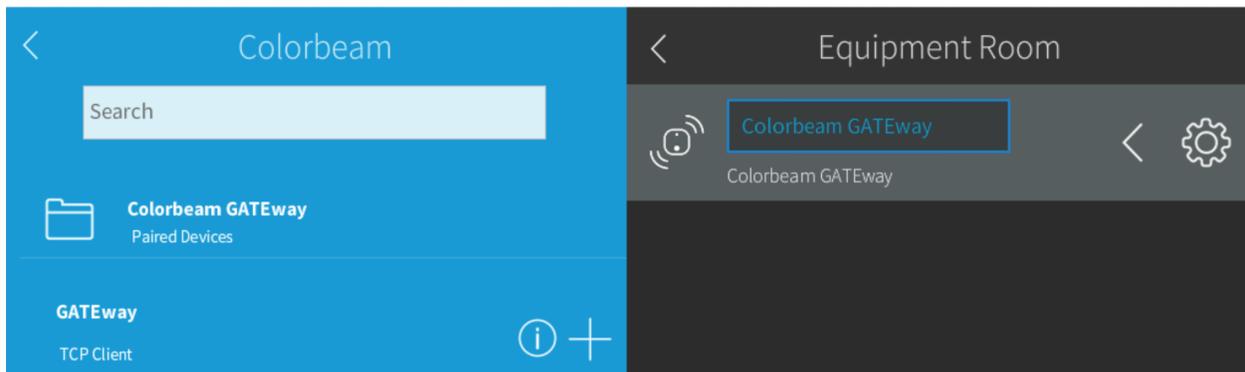
- Programmable Events have three triggers

  - When all of the loads power off

  - When all of the loads power on

  - When some of the loads power on (only fires on the initial transition from either All Off or All On)
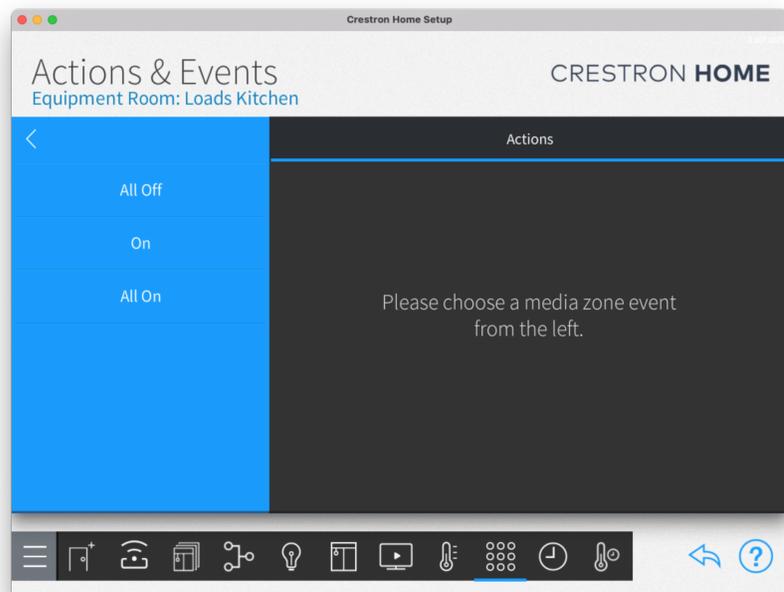
- Actions will appear based on the configured loads (i.e. If no RGB bulbs are present, no quick action will be available for Set RGB).
  - Set Load Level will update the intensity of a load (no color adjustments)
  - Set RGB, Set RGBW, and Set Variable White will allow full manipulation of a load's color and intensity
  - The Integration Id corresponds to the Id defined in the GATEway configuration.
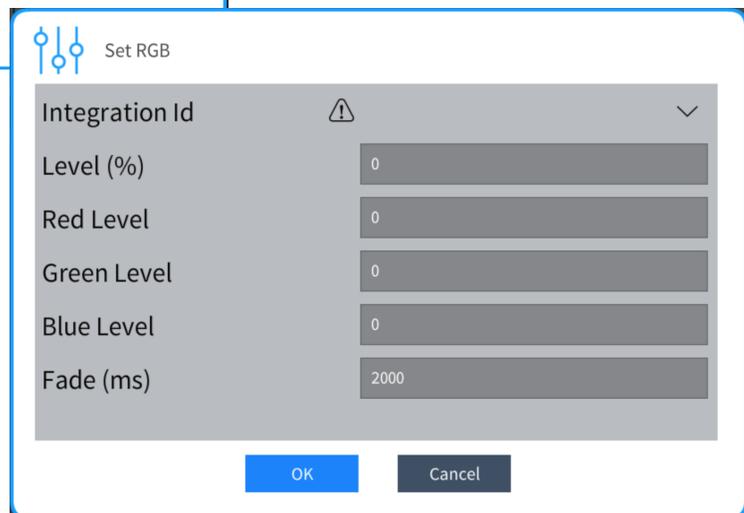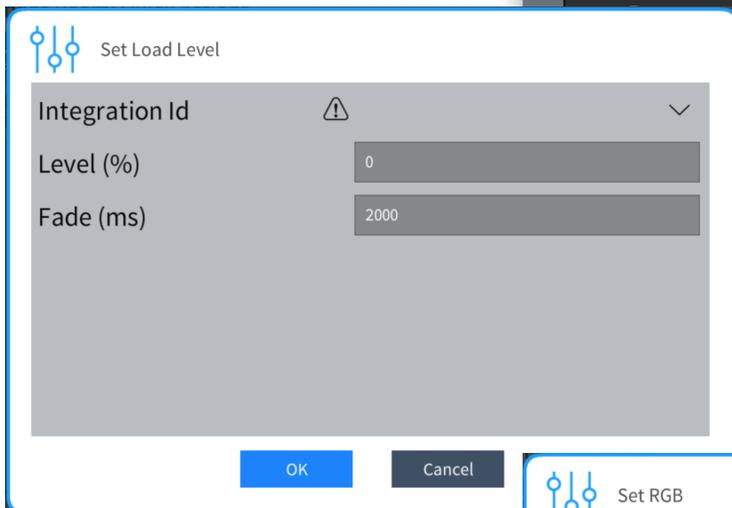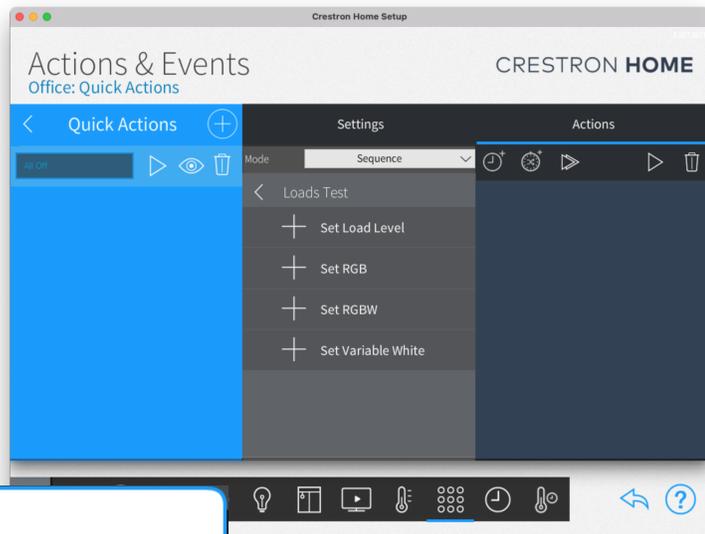
End-User Experience

- Room view with keypads and loads installed
  - Clicking on a keypad tile will take you to the keypad view
  - Clicking on a room tile will take you to the room view
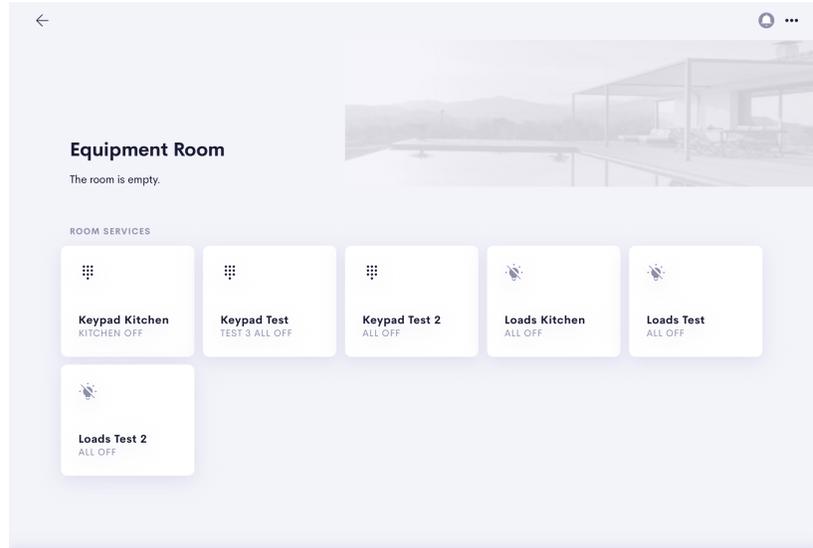
- Keypad view
  - Displays up to 9 keypad buttons with their respective text from the GATEway configuration

- Room view
  - Displays the loads in each room defined in the GATEway configuration
  - Each load will have a power toggle and a slider for intensity
  - An Adjust Scene navigation button will appear at the bottom of the loads if any load is tunable white, rgb, or rgbw.
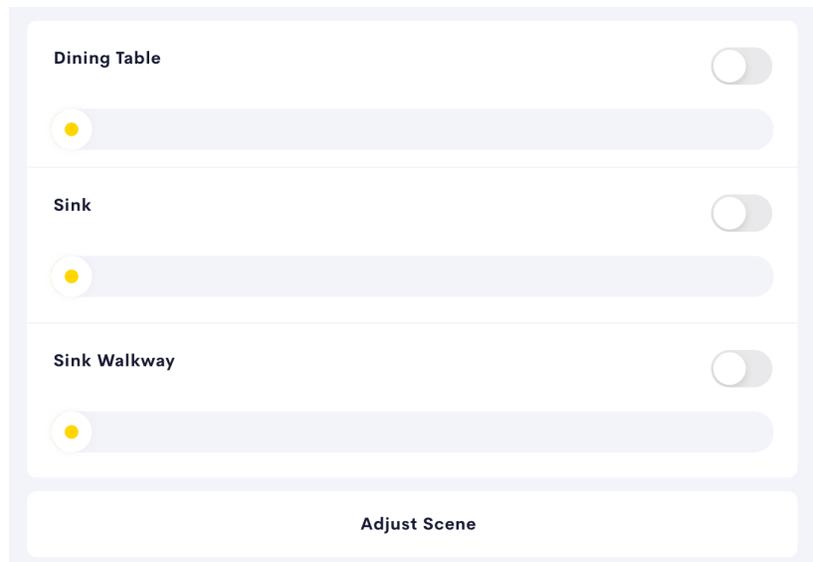
- Adjust Scene subscreen
  - This page will populate individually adjustable sliders for each attribute available to each load
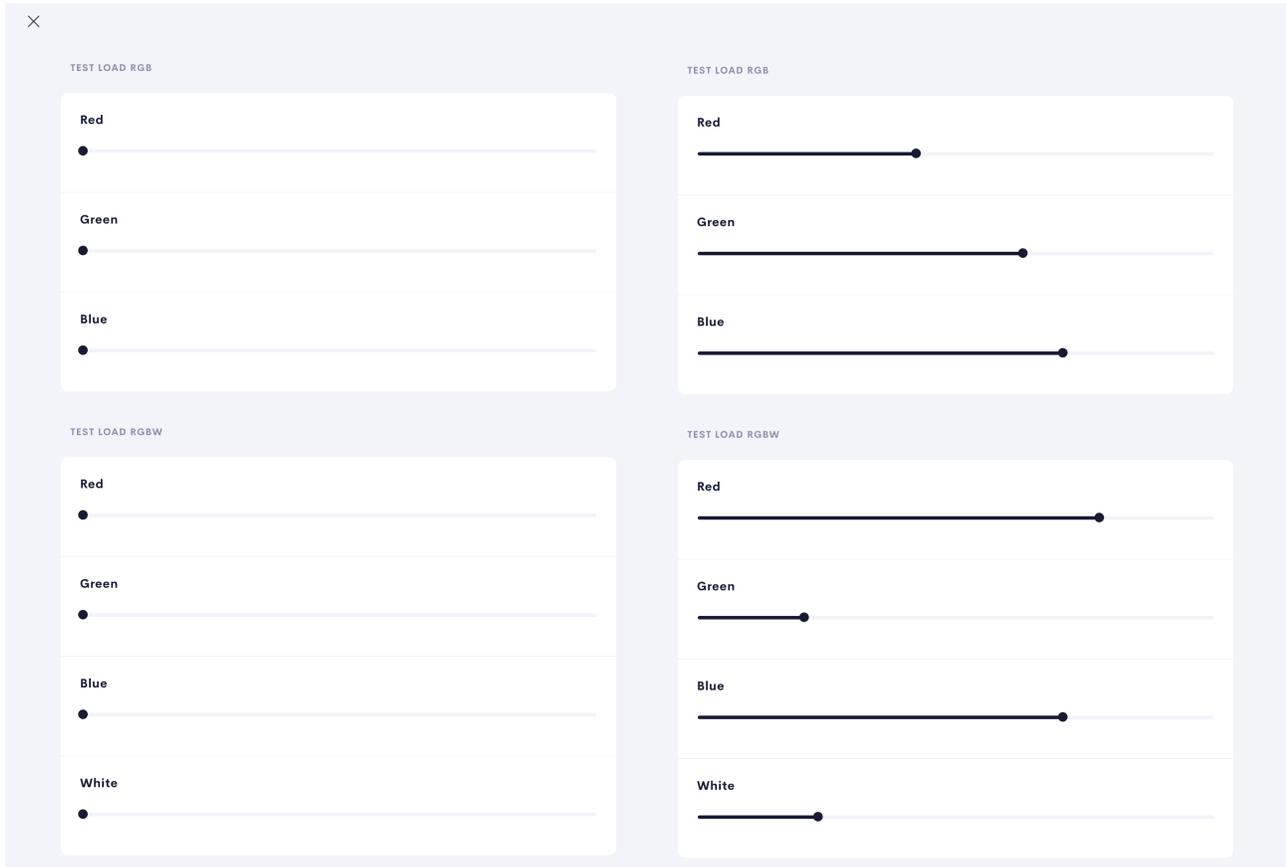
Limitations/Known Issues

- We've seen instances where data entered within the Colobeam GATEway does not properly allow for controls through their APIs. This may include certain ID's of keypads, keypad buttons and fixtures. For example, if a keypad with 5 buttons was created and then 10 more were added, we've seen those ID's not be available for external controls.
- Feedback is incredibly slow coming back from the GATEway. There is no known way to improve that and we feel it's more important to have true feedback so scenes reflect properly.
- If configuration changes are made to the GATEway, you'll need to restart Crestron Home for the driver to pull in the changes.
  - We are currently working on a console command to refresh the configuration, so that in the future, no program restart will be needed.
- Changing the unique id will require a reboot.

Supported Features

- Individual load manipulation
- Virtual Keypad button presses and feedback for up to 9 buttons per keypad
- Programmable Events/Operations
- Reads configuration from the GATEway, and automatically imports all defined loads and keypads
- Supports full feedback

Test Environment

This has been thoroughly tested using the following hardware/software:

- Crestron Home v3.006.0132
- Crestron Home v3.007.0071

Supported Models

Supported processors:

- Crestron CP4-R
- Crestron MC4-R
- Colorbeam GATEway (1-universe, rectangular)

Contact Information

For further assistance, please visit WMS CH Drivers at chdrivers.com for up-to-date information and contact details.

Version History

1.001.0036   6/30/2021

Changes since Last Version

New Features
- Initial release

Licensing and Copyright Information

Certain Crestron products contain open-source software. For specific information, please visit
www.crestron.com/opensource

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