Rachio Smart Watering

The Rachio Smart Watering driver enables Control4 to integrate with Rachio products.

Configuration

Prerequisites

1. Customer must have an account at https://app.rach.io or via mobile application.
2. Devices should already be added to the Rachio account.
3. Obtain the Rachio API Key*:
   - At https://app.rach.io, select "Account Settings". then click on "GET API KEY".
   - Through the Rachio mobile app, select the "Profile" icon and then click on "API Key Copy".

* The most updated instructions for finding the Rachio API key can be found at https://support.rachio.com/en_us/public-api-documentation-S1UydL1Fv

Initial configuration

1. In the **Properties** tab, enter the API key in the `API Key` textbox and click *Set*.
2. Go to **Actions** and select **Test API Access / Update Rachio User ID**.
3. Go back to the **Properties** tab.

If the API Key is valid, the `API Status` property will display **Last API request was successful** and the `User ID` property will be populated.

Smart Hose Timer Configuration

Add Smart Hose Timer Bindings

1. In the **Actions** tab, click 'Add Smart Hose Timer Bindings'. Connection bindings are generated for each device in the customer's Rachio account.
2. Add a **Rachio Smart Hose Timer** device driver to the project.
3. In the Composer Pro **Connections** pane, find the Rachio Smart Watering driver.
4. Drag one of the Proxy connection bindings to the corresponding **Rachio Smart Hose Timer** device.
5. Repeat to create and connect devices for all Rachio Smart Hose Timers in the customer's account.

Add Smart Hose Timer Devices

In the **Actions** tab, click **Add Smart Hose Timer Devices**.

One device driver will be added in the current room for each Smart Hose Timer present in the customer's account. Connections are automatically established between the new devices and the corresponding bindings from the Rachio Smart Watering driver.

Devices can be moved to other rooms in the project, as appropriate.

If new Smart Hose Timers are added to the customer's Rachio account, select **Add Smart Hose Timer Bindings** action again followed by this action to add the new devices.

Smart Hose Timer Usage

See the documentation with the **Rachio Smart Hose Timer** driver to learn the different ways to use the Smart Hose Timer including Navigator and keypad button connections.

Hub Status

The Rachio Smart Hose Timer relies on a hub to execute commands and report status to the Rachio cloud. You can manually check the status of hubs using an action.

1. In the **Actions** tab, select **Check Smart Hose Timer Hub Status**.
2. In the **Properties** tab, click the dropdown for `Hub Status`.

The status of each hub registered in the customer's account is shown with the serial number and then **Online** or **Offline** for status.

The `Hub Status Last Updated` property indicates the last time hub status was checked either manually or programmatically.

Properties

- `Cloud Status` : Indicates if the license is activated, expired, or if updates are available.

- `Automatic Updates` : If 'On', automatically installed updates when they become available.
- `Driver Version` - Numeric version of the driver.
- `Debug Mode` : When 'On', print debug messages to the 'Lua' tab, and also log to the Control4 debug log.
- `API Key` - The customer's Rachio API Key.
- `API Status` - The status of the last API request Possible values include **Last API request was successful** or **Last API request had an error. Response code:** .
- `Main API Limit` - The `Main API Limit` displays calls remaining for the Irrigation Controller and User Rachio API. Rachio limits integrations to 1,700 requests per day per API type.
- `Smart Hose API Limit` - The `Smart Hose API Limit` displays calls remaining for the Smart Hose Timer Rachio API. Rachio limits integrations to 1,700 requests per day per API type.
- `User ID` - The Rachio user ID. This is used in API calls to identify the user account.
- `Hub Status` - A list of the Smart Hose Timer hubs in the customer's account and their corresponding status. Hubs are listed with their serial number and corresponding status of **Online** or **Offline**.
- `Hub Status Last Updated` - The time and date the last hub status was recorded.

Programming

Events

- "When a Rachio Hub goes offline"
- "When a Rachio Hub comes back online"

Commands

- "Check Hub Status": Useful for scheduling periodic checks of the hub status, which will then fire the above events.

Variables

These variables can be used to send a notification when API requests remaining gets low. Under normal usage the API requests should not be exhausted.

- `MAIN_API_REQUESTS_REMAINING` : API calls remaining for the Irrigation Controller and User Rachio API. Rachio limits integrations to 1,700 requests per day per API type.
- `SMART_HOSE_API_REQUESTS_REMAINING` : API calls remaining for the Smart Hose Timer Rachio API. Rachio limits integrations to 1,700 requests per day per API type.

Events

- "When MAIN_API_REQUESTS_REMAINING changes"
- "When SMART_HOSE_REQUESTS_REMAINING changes"

Conditionals

- "If MAIN_API_REQUESTS_REMAINING is < 100"
- "If SMART_HOSE_REQUESTS_REMAINING is < 100"

Support

We hope you have a trouble-free experience with this driver. If you encounter problems, please contact Driver Central support as a first step. If they're unable to resolve your problem they will escalate the problem to Blessing Innovations LLC.

If there are additional features you would like to see in this driver, please submit them by creating an issue at https://gitlab.com/dblessing/c4-rachio-smart-watering/-/issues.