

HomeSeer Thinking Cleaner plug-in version 3.0

Installation.

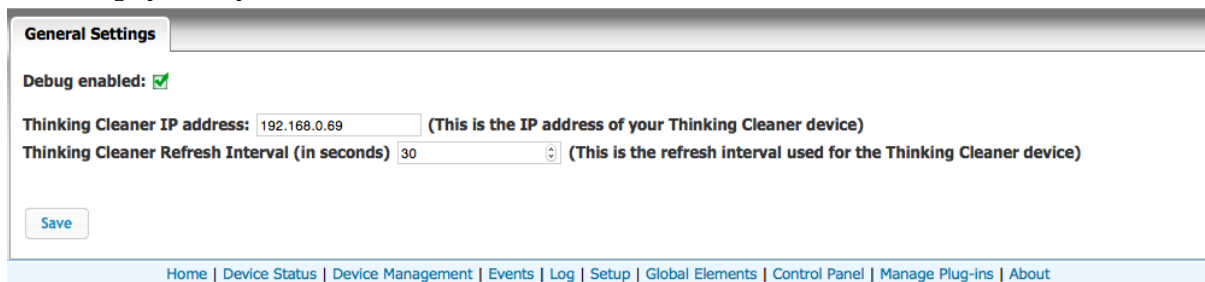
A prerequisite is that you have installed and configured at least one Thinking Cleaner device on your iRobot Roomba. Remember the IP address of the Thinking Cleaner device, you need it to configure the plugin.

More information on the Thinking Cleaner device for the Roomba can be found at : <http://www.thinkingcleaner.com>

Install the Thinking Cleaner plug-in from the HS3 updater and enable the plug-in
This plugin has multi instance support, so you can control multiple devices from Homeseer

Configuration.

After installation you need to configure the plug-in and enable the plugin.
The config options speak for themselves I think.



The screenshot shows the 'General Settings' window for the Thinking Cleaner plugin. It includes a 'Debug enabled' checkbox which is checked. Below that, there are two input fields: 'Thinking Cleaner IP address' with the value '192.168.0.69' and 'Thinking Cleaner Refresh Interval (In seconds)' with the value '30'. Both fields have explanatory text in parentheses. A 'Save' button is located at the bottom left of the settings area. At the bottom of the window, there is a navigation bar with links: Home, Device Status, Device Management, Events, Log, Setup, Global Elements, Control Panel, Manage Plug-ins, and About.

After configuration, please restart Homeseer to make sure all devices are created and configured correctly

After the plug-in has been configured and restarted a new Thinking Cleaner device will automatically be created after the first poll has occurred.

<input type="checkbox"/>	 Status: On homebase: Trickle Charging Model: R500/600 Battery charge: 100 % Total cleaning distance: 3,51 KM Total cleaning time: 3 hours 14 minutes Last cleaning took: 0 hours 1 minutes	Woonkamer	Thinking-Cleaner	Thinking Cleaner	Yesterday 22:46:24	<input type="button" value="Clean"/>	<input type="button" value="Dock"/>	<input type="button" value="Spot"/>	<input type="button" value="Find Me"/>	<input type="button" value="Power Off"/>
--------------------------	--	-----------	------------------	------------------	--------------------	--------------------------------------	-------------------------------------	-------------------------------------	--	--

The device displays the information of the Thinking Cleaner and you can use the following buttons to start actions on the Thinking Cleaner device.

- Clean
- Dock
- Spot
- Find Me
- Power Off

The information is updated based on the refresh interval you have set in the configuration.

Device Values

The Homeseer device value is set to a value based on the status of the Thinking Cleaner device. See the list of statuses and assigned device values below:

- 1 = "On homebase: Not Charging"
- 2 = "On homebase: Reconditioning Charging"
- 3 = "On homebase: Full Charging"
- 4 = "On homebase: Trickle Charging"
- 5 = "On homebase: Waiting"
- 6 = "Plugged in: Not Charging"
- 7 = "Plugged in: Reconditioning Charging"
- 8 = "Plugged in: Full Charging"
- 9 = "Plugged in: Trickle Charging"
- 10 = "Plugged in: Waiting"
- 11 = "Stopped"
- 12 = "Cleaning"
- 13 = "Stopped with cleaning"
- 14 = "Spot cleaning"
- 15 = "Max cleaning"
- 16 = "Delayed cleaning will start soon .."
- 17 = "Searching homebase"
- 18 = "Roomba picked up"
- 19 = "Remote control driving"
- 20 = "Waiting for command"
- 21 = "Off"
- 22 = "Error"
- 23 = "Find me!"
- 99 = "Unknown state"

Events

You can use events to control you thermostats. See example below.

Example 1. Run a device action based on your own condition.

The screenshot shows a configuration window for an event. At the top, the 'Event Name' is 'Start cleaning', the 'Type' is 'Thinking Cleaner', and the 'Group Reassign' is 'Thinking Cleaner'. The event is triggered by the condition 'IF The time is sunrise which is at 8:38:27'. The action is 'THEN Control a Device' set to 'Woonkamer Thinking-Cleaner' with the action 'Clean'. There is a field for 'After Waiting' set to 0 Days, 0 Hours, 0 Minutes, and 0 Seconds. The interface includes various control icons like play, checkmark, and delete.

Example 2. Trigger an event based on the devicevalue (= Thinking Cleaner status)

The screenshot shows a configuration window for an event. The 'Event Name' is 'Trigger based on Thinking Cleaner value', the 'Type' is 'Thinking Cleaner', and the 'Group Reassign' is 'Thinking Cleaner'. The event is triggered by the condition 'IF This device had its value set to...' for the device 'Woonkamer Thinking-Cleaner' 'is set to' 'a custom value or value range of' '17 to 0'. The action is 'THEN Speak Something' with the text 'Text to be spoken: Roomba is searching for homebase'. The interface includes various control icons like play, checkmark, and delete.

Release *history*.

Plug-in version 3.x is tested with Homeseer 3 version 3.0.0.149 and later.

Version 3.0 → 20 January 2015 (HomeSeer V3 only)

Initial version

- Support for the Thinking Cleaner in combination with the Roomba 500/600 series
- Based on version 1.7 of the Thinking Cleaner API

Still a problem

- none

Future plans

- Adding more devices for use with HSTouch
-

Please report all issues with this version to me.

Sent an email with the description of the problem to Rien.duPre@me.com

Debugging will be much easier and faster if you also can supply me with the homeseer log (with the plug-in debug set to on).