

# Converting a MAX! Cube to CUL/CUN to use with Home Assistant

swifty #1 September 1, 2020, 2:55pm

I have recently managed to successfully flash my Max! EQ3 Cube with a a-culfw firmware. Once running the new firmware, I expose my EQ3 radiator thermostats to Home Assistant via homegear and the built in component.

This guide will talk through the steps involved - but please heed the warnings, I take no responsibility if you break your kit! 😊

- Note that flashing the Max Cube is a one way deal, there isn't currently any way to restore the default firmware.  
Having said that, my cube forgot its configuration often (a common issue) - so it was mostly paper weight anyway.
- The firmware I link to on Google Drive is an edited version of the latest a-culfw and compiled by me to remove the credit restrictions.  
If you are uncomfortable with this, simply use the prebuilt firmware from the official github page: <https://github.com/heliflieger/a-culfw> (the Mediafire link in the readme)  
Otherwise - the firmware with no credits is here; <https://drive.google.com/file/d/1y1L2Tt1iHgdyodw9M-Yxvy0niRtOXEQ2/view?usp=sharing>
- As I note in the guide, pairing with HomeGear will fail if the device was not unpaired before flashing the cube. The fix is to factory reset the device, but save yourself some hassle and unpair everything before proceeding 😊

Ok - so on to the good stuff 😊

First, download and install ATMEL SAM-BA 2.x (I used 2.18) from here:-

<http://ww1.microchip.com/downloads/en/DeviceDoc/SAM-BA%20v2.18%20for%20Windows.exe>

Next, either grab the creditless firmware or use the official firmware with credit restrictions mentioned above.

Lastly, grab Tera Term and install it on your PC: <https://osdn.net/projects/ttssh2/releases/>

Now, pop open your Cube - this should be fairly easy, just prise a small screwdriver at the notches in the bottom and it should pop right off.

Next you want to take a look at the board and find the two contacts on the board marked J1 - you need to use a paper-clip, or a small bit of wire to short these contacts together.

With the contacts shorted, plug in the USB for the Cube and apply power - count to 5 and remove the power again.

Your cube has now lost it's mind (literally) - the firmware is gone, and it's ready to accept a new one. Remove whatever you used to short the J1 contacts, so that they are no longer connected.

Connect the USB cable back to the cube, and hook it up to your PC that has SAM-BA installed.

If using Windows, wait a moment for it to install the newly detected device - you should see a new COM port in device manager.

Now, start the SAM-BA software and pick your newly added COM port.

Pick your chip type - at91sam7x256-ek

Press the connect button, then click on the 'Flash' tab.

Find the section 'Send File Name' and point it at the bootloader\_CUBE.bin file.

Press Send File, and wait with excitement...

Once completed, you'll be prompted with a question asking if you want to lock the flash - Answer 'No' to this.

In the scripts drop down, ensure you have 'Boot from Flash (GPNVM2)' selected, and press execute. Close the ATMEL software and disconnect the USB.

At this point you have the new bootloader flashed to your Cube and it should be ready to accept the a-culfw firmware.

## Flashing the a-culfw Firmware

The bootloader is activated by pressing the button located on the bottom of the cube while applying power.

So, press the button and insert the USB cable again - now release the button.

The D1 LED on the cube should be flashing 4x a second if the Cube successfully entered the bootloader, and you should see another new device appear in device manager.

Start Tera Term and pick File -> New Connection -> Serial - Pick the COM port labelled 'AT91 USB to Serial Converter', and press OK.

Select File -> Transfer -> XMODEM -> Send and pick the CUBE\_BL.bin file.

It should take less than a minute to flash the firmware - once completed the Cube will reboot and the light flashes 1x per second.

Well done - you now have a CUL/CUN device 😊

The unit can be used via USB (I've not tested this) as a CUL, or in the same fashion as the original cube (using the network connection) acting as a CUN device.

## HomeGear

Home Gear will act as a layer between the Cube and HomeMatic component for Home Assistant, and will be used to setup the devices you add to the cube.

You have a number of options here :-

A) There is an official image on dockerhub <https://hub.docker.com/r/homegear/homegear/>

I had a quick play with this, but couldn't get homegear to load any of the modules - there seemed to be a permission issue inside the container, but I'm no docker expert so I gave up on that and just installed directly.

B) Install on a Linux machine natively (this is what I did as I have a Linux server running 24x7)

Follow the guidance at [www.homegear.eu](http://www.homegear.eu) on how to install.

C) [@AndrejDelany](#) has kindly put together a preview Hassio add-on for Raspberry Pi - see [Converting a MAX! Cube to CUL/CUN to use with Home Assistant](#)

Once you have Home Gear installed you will need to configure it to talk to the cube - to do this, inspect your router/DHCP server and find out what IP has been issued to your Cube.

When you have determined the Cube IP go to your HomeGear install and edit the file `/etc/homegear/families/max.conf`

Add the following to the config (or uncomment the sample data and edit appropriately)

```
[CUNX]
id = Max-CUNX
default = true
deviceType = cunx
host = <CUBE_IP_ADDRESS>
port = 2323
responseDelay = 40
```

This is the config I use for connecting the the Cube via the network connection, if you are going down the USB route, you should use the CUL sample instead - but as previously mentioned, I haven't tested this option.

Now restart HomeGear so that the new configuration takes effect.

We can use the homegear cli to add a user for HomeAssistant - execute 'homegear -r' on your homegear server.

Type: `users create <USERNAME> "<PASSWORD>" "1"`

(Include those quotes around password and 1...)

At this point it is worth hitting `http://<HOMEGEAR_IP>:2001` to make sure you are greeted by the HomeGear RPC Server page, if you are then carry on 😊

Now you need to link your devices to the Cube using homegear - for this I used HomeMatic Manager

(<https://github.com/hobbyquaker/homematic-manager/releases>)

So I'll talk through the process for using that, but there are a number of clients you can use to manage HomeGear.

Unfortunately the HomeMatic Manager software is in German, and I couldn't see any way to switch to English, so i'll include exact steps for the english speakers.

Start up HomeMatic Manager - you should be greeted with a connection screen - input your HomeGear server IP in to the 'CCU Adresse' field and press 'Speichern und Neustarten'.

Note - you may get an error message when the app restarts (I did) but if it shows the IP of HomeGear with a green tick next to the row of tabs, then it should work OK.

Now we need to add the devices you own so they are paired to the cube - to do this, on the 'Geräte' tab press the '+' at the bottom of the window.

Next press 'Aniermodus Aktivieren' - this enables pairing mode on the cube, now go to your Max! device and put it to pairing mode as well.

I use the Max! Radiator thermostats, which are put into pairing mode by pressing the adjustment wheel for a few seconds.

After a few seconds of being in pairing mode, your device you show as detected in HomeMatic Manager.

I found it helps to dismiss the pairing screen once a device is paired and right click it on the list, then choose 'Umbenennen' then enter a name for the device and press 'Speichern'.

Now repeat the process for all of your devices...

- TIP! - If your device doesn't appear to be pairing, it is worth taking a look at the HomeGear log - if the device already thinks it is paired, then the log will tell you and reject pairing with the device.  
The Max devices can be factory reset using a combination of button presses which should allow it to re-pair - check the manual for your specific device.

## Home Assistant Configuration

Now all your devices are added in HomeGear, we can finally get them into HomeAssistant - you should also see them listed if you hit the HomeGear server again at `http://<HOMEGEAR_IP>:2001`

Add the following to your Home Assistant configuration.yaml:-

```
homematic:
  local_ip: <HOME_ASSISTANT_IP>
  local_port: 36845
  interfaces:
    wireless:
      host: <HOMEGEAR_IP>
      port: 2001
      callback_ip: <HOME_ASSISTANT_IP>
      callback_port: 36845
      resolvable_names: json
```

username: <HOMEGEAR\_USER>

password: <HOMEGEAR\_PASS>

Restart Home Assistant once added - you should now magically see a bunch of homematic devices appear which correlate with your HomeGear devices.

Note, my device friendly names didn't pull through from HomeGear to HA - I've not looked into this yet, but I simply used the serial numbers to determine which device was which (since the serial is displayed next to the friendly name I assigned in HomeMatic Manager).

Then I added a friendly name using the UI in Home Assistant.

I hope this guide helps someone, please let me know if this works for you, or if I've missed anything from the guide!

10 Likes

---

[HomeMatic and MAX! integration](#)

---

[Hassio and cun/cul and homegear](#)

---

[Homematic and Eq3 Max! Cube](#)

---

[Valve position on Max! Cube Thermostat](#)

---

[MaxCube loosing configuration](#)

---

[Homematic and Eq3 Max! Cube](#)

---

[Homegear update](#)

---

**badgerhome** (Badgerhome) #2 October 20, 2018, 1:21pm

I'm not familiar with EQ-3 but I've been looking for a radiator TRV solution for my home. I've been tempted by the Tado valves but they have mixed reviews.

Does this flashing of firmware on the cube expose both sensors and a method to control / set the temperature of the radiator valves from home assistant?

Well done of the comprehensive write up! I'd be more than happy to give this a go if I can finally control my radiators from HA!

Thanks

---

**swifty** #3 October 20, 2018, 2:14pm

I only use the Max! TRVs but they also make door/window sensors, wall thermostats and few other things, all of which work with HomeGear.

With the setup above I can read the current settings and send new ones (eg new target temperature) to the TRVs from Home Assistant.

---

**badgerhome** (Badgerhome) #4 October 20, 2018, 2:21pm

Awesome thank you.

I notice there's two different TRVs which ones do you use? I'm not too sure what the differences are between them but my radiators are all vertical mount valves

---

**AndrejDelany** #5 October 20, 2018, 2:37pm

Great, thank for the tutorial! Do you think there is an easy way to install HomeGear on HassIO to avoid using another machine?

---

**swifty** #6 October 20, 2018, 2:39pm

I use the Max EQ-3 basic ([https://m.reichelt.com/gb/en/max-basic-heating-controller-max-ht-basic-p161419.html?CTYPE=0&MWSTFREE=0&PROVID=2788&gclid=CjwKCAjwpKveBRAwEiwAo4Pqm7ZvZp7X6UJ2aICITAE5T9AZXT79ocFQZIKLFkhWT0RdbVWOp3gBxxoCgskQAvD\\_BwE&r=1](https://m.reichelt.com/gb/en/max-basic-heating-controller-max-ht-basic-p161419.html?CTYPE=0&MWSTFREE=0&PROVID=2788&gclid=CjwKCAjwpKveBRAwEiwAo4Pqm7ZvZp7X6UJ2aICITAE5T9AZXT79ocFQZIKLFkhWT0RdbVWOp3gBxxoCgskQAvD_BwE&r=1))

Be careful when searching around, as I believe they do one that looks very similar but uses Bluetooth (no cube connection).

I think the larger squarish looking one has built in scheduling on the TRV itself, but this isn't required if using Cube / Home Assistant, since you can create schedules there...

---

**swifty** #7 October 20, 2018, 2:42pm

The only hassio add-on I could find for HomeGear appeared to be for Raspberry Pi - but I think its no longer maintained.

I use Hassio in a VM so that was no good for me anyway.

If you are using RPi I guess it should work OK though : [Homegear Add-on for Hassio](#)

---

## **Eq3 Max! Cube and thermostat integration via Mqtt and Max Home Automation**

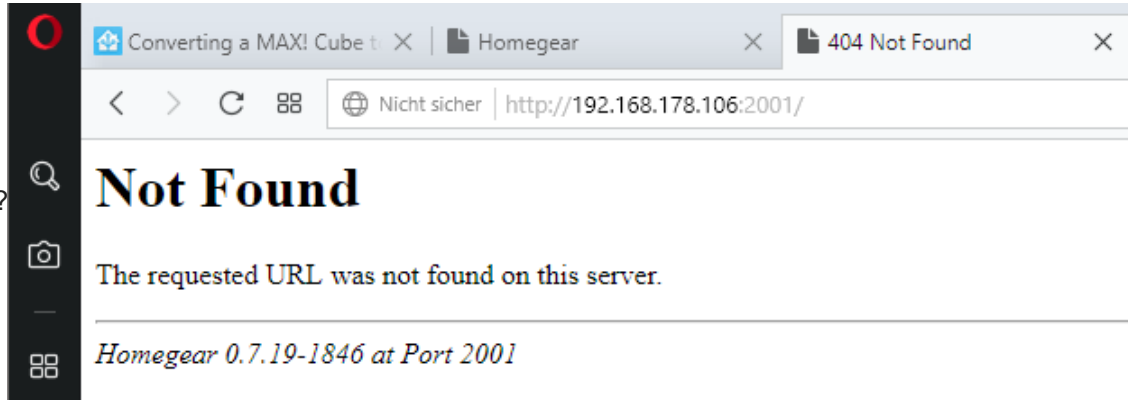
---

**AndrejDelany** #9 October 21, 2018, 2:58pm

I started to install homegear before flashing the cube, just to make sure, my installation works. Seems like Homematic Manager connects correctly to Homegear and after adding the homematic configuration to the configuration.yaml I get no error in HomeAssistant as well.

But when opening homegear:2001 in a browser, i get a server response, but an error. Is this correct, or should

there be an UI?



You say: "At this point it is worth hitting `http://<HOMEGEAR_IP>:2001` to make sure you are greeted by the HomeGear RPC Server page". Is this page what you meant with that?

Another problem: HomeAssistant doesn't care, if the provided homegear credentials in the configuration.yaml are valid or not. In homegear, I'm always getting the following log when starting home assistant. Is this the same output you get?

```
10/21/18 14:56:21.306 Info: Client with IP ::ffff:192.168.178.106 is calling "init".
10/21/18 14:56:21.306 Info: Adding server "http://192.168.178.106".
10/21/18 14:56:21.307 Info: Calling init methods on server "http://192.168.178.106".
```

(Please note, both home assistant as homegear run on the same IP)

swifty #10 October 21, 2018, 9:53pm

I'm not sure why you get URL not found... it certainly looks like it's Homegear that is listening on that port and responding by looking at the page footer...

I get this when I browse to port 2001 on my Homegear server:-

name	Family	ID	Serial Number	Type	Interface	Firmware
	MAXI	1	MEQ1441150	BC-RT-TRX-CyN	Max-CUNX	1.0
	MAXI	2	OEQ0944859	BC-RT-TRX-CyN	Max-CUNX	1.1

I wonder if the page is only alive when you have at least 1 backend (CUL/CUN etc...) configured / connected ?

As for the username/password - I believe these are only actually needed when using the json method of retrieving friendly names for the devices in Homegear.

I included it as this is what I have in my config, but as I note the friendly names don't retrieve for me (I just set them in HA instead).

I've not had time yet to take a look at why this isn't working - but it's low priority for me as everything works ok otherwise 😊

---

**mornsen** (mat) #11 October 22, 2018, 3:30pm

Hello,  
great write up!

One question though - what is the advantage of using the Cube as CUL/CUN device ?

Is it just to remove the send limits or are there further benefits?

---

**swifty** #12 October 22, 2018, 4:03pm

For me, I was having issues with the cube forgetting the configuration when paired with HA (this seems to be a common issue with it related to frequent polling).

With the new firmware this issue shouldn't be present anymore - I believe it also allows the Cube to pair with other extra devices (that use the correct frequency) but I've not looked into this much.

I mainly just wanted a stable heating system that didn't forget all its settings every week 😊

---

**Klagio** (Klagio) #13 October 22, 2018, 5:48pm

AndrejDelany:

If someone else needs it, place the following files in a subfolder of your HassIO addons share.

Hi, I am trying to do as you advice but need some help.

Irun HASSIO 0.80.3 and added this addon



**yeah/hassio-addons**

Homegear as a Hassio add-on. Contribute to yeah/hassio-addons development by creating an account on GitHub.

Homegear.

But it does not install (clicking on install does nothing).

Trying now to follow your instructions: first file name is "Dockerfile", correct?

And where shall I save the 2 files, not sure how to access HASSIO addon folders (I just have config, share, ssl, addons, backup)

Below the log

18-10-22 17:35:22 INFO (MainThread) [hassio.addons.addon] Create Home Assistant add-on dat

---

**Klagio** (Klagio) #15 October 22, 2018, 5:59pm

swifty:

With the new firmware this issue shouldn't be present anymore

Did you make some test? Since is irreversible firmware flash wish to see others experiences 😊

---

**AndrejDelany** #16 October 22, 2018, 6:00pm

Yes, exactly this error message I got when I tried to install the HassIO HomeGear addon from the repo you mentioned. Unfortunately there are some minor problems with my solution from above, e.g. the HTTP server does not start correctly.

But I am working on a new version of the HassIO HomeGear addon. If I've got everything working, I will post a tutorial here.

2 Likes

---

**swifty** #18 October 22, 2018, 6:30pm

I've been running the flashed cube for a few weeks now connected to HA.

Many restarts of HA and everything is still working OK - that's more than I ever got with the original firmware.

The configuration loss seems to be a bug in the original firmware, so should no longer be present with a-culfw AFAIK.

---

**Klagio** (Klagio) #19 October 23, 2018, 7:57am

swifty:

The configuration loss seems to be a bug in the original firmware,

yes I sort of fixed it changing the poll interval to 600 seconds, so far it works,

---

**Klagio** (Klagio) #20 October 22, 2018, 6:55pm

swifty:

I've been running the flashed cube



how does the pairing process work? From HASS you click something?

---

**swifty** #21 October 22, 2018, 7:39pm

See in the guide above - pairing happens via HomeGear, there are a number of apps that can be used to control HomeGear, I used Homematic manager.

The homematic manager app tells HomeGear to put the cube to pairing mode, the actual pairing process then works the same as the original firmware.

---

**AndrejDelany** #22 October 27, 2018, 6:15pm

~~So, I finally managed to setup HomeGear as HassIO Addon. Before publishing it in a repo for easy installation, I would like to give a preview for testing:~~

~~<https://www65.zippyshare.com/v/kH9XGnpR/file.html>~~

~~Please create a Directory "Homegear" in your HassIO's addons share and copy the 5 files in there. Afterwards you can install from the "Add-on Store" inside HassIO (see [https://developers.home-assistant.io/docs/en/hassio\\_addon\\_tutorial.html](https://developers.home-assistant.io/docs/en/hassio_addon_tutorial.html)).~~

~~If it works for you or not, please give me feedback.~~

Please see here for new instructions on how to run HomeGear on HassOS on RaspberryPi:

### Converting a MAX! Cube to CUL/CUN to use with Home Assistant

Yes, you are absolutely right. I made a new version of the HassIO HomeGear addon which mounts this folder out. It is installable from a repository. Node-BLUE is included and working great. So I will leave influxdb inside as well. If you'd like to share your version of the addon, maybe we can merge the best of both in one addon.

2 Likes

---

**Coedy** (Peter Ebenezer ) #23 October 23, 2018, 2:56pm

Watching this closely.

I'm currently looking at incorporating TRV control into HA and am torn between this, Thermal Actuators controlled by Sonoffs (with automation to close them off when a room temp is hit) or EnerGenies...

---

**badgerhome** (Badgerhome) #24 October 23, 2018, 3:54pm

Can this be used without Hassio and just Home Assistant?

---

**AndrejDelany** #25 October 23, 2018, 4:13pm

If you only use HomeAssistant without HassIO, please follow the guide in the first post.

1 Like

---

**AndrejDelany** #26 October 25, 2018, 8:17pm

So, i've everything up and running! Thanks for the tutorial! Once I got HomeGear running, it worked like a charm.

There are two things I'm working on right now, maybe someone has a hint:

- ~~I have rooms with two radiator thermostats. How can I make HomeAssistant automatically set the temperature of the first thermostat, if I change it manually for the second?~~ Solved, see [Converting a MAX! Cube to CUL/CUN to use with Home Assistant](#)
- ~~Seems like my MAX! Eco Taster does not pair. Someone experiencing the same?~~ Worked after resetting the Eco Taster.

1 Like

---

**swifty** #27 October 23, 2018, 6:37pm

Great so glad to hear you got it all working.

For adjusting the thermostats, what do you use for automations? - built in HA automations or Node Red?

It would be extremely simple with Node Red... But I don't have experience of built in HA automations much, so not sure on that front.

I just finished up connecting a flow that turns on the heating when at least 2 room are > 1 degree less than the Max! Setpoint for that room.

Once I have the kinks ironed out I'll post it here.

---

**swifty** #28 October 23, 2018, 6:52pm

I've mentioned this in the OP for anyone arriving and wanting to try this out.

Thanks for your efforts 😊

1 Like

---

**AndrejDelany** #29 October 23, 2018, 7:01pm

Currently I'm only using build-in automation. I will have a look at Node Red tomorrow, I haven't tried it yet. If you've an idea how to quick-solve this problem, I'd be very happy 😊

---

**swifty** #30 October 23, 2018, 7:55pm

I think using built in automation, you need something like;

```
- alias: 'Match Thermostats'
trigger:
platform: state
entity_id: climate.def54321
action:
service: climate.set_temperature
data_template:
entity_id: climate.abc12345
value: {% state_attr('climate.def54321', 'temperature') %}
```

I believe this should set device climate.abc12345 to the value of climate.def54321 when it changes... But I've not tested as I'm not using built in automation.

---

**Klagio** (Klagio) #32 October 24, 2018, 8:17am

swiftly:

I think using built in automation, you need something like;

like this the automation triggers with a change in state (def)?

---

**swiftly** #33 October 24, 2018, 12:14pm

Yes - I'd think so (as I say, I've not tested), but from what I can tell looking at the automation docs - that should push the temperature value of 'def' to 'abc' each time the state of 'def' is changed.

---

**lubeda** (LuBeDa) #34 October 24, 2018, 3:51pm

Well, i will give it a try.

On the first view i think that influxdb and node-blue is not nessacery in the container and i am also not shure if the /var/lib/homegear directory must also be published to outside of the container.

Greetings from germany  
Ludger

---

**AndrejDelany** #35 October 24, 2018, 6:57pm

The /var/lib/homegear is stored outside the container, but not visible for the user. It is stored in /data, this is the default directory for persistent data for HassIO addons. Is there a reason to make it user editable / visible?

To be honest, I have no idea what influxdb is used for, but it is part of the official homegear docker container. Can you explain what this is used for?

**danielperna84** #36 October 24, 2018, 7:47pm

swifty:

As for the username/password - I believe these are only actually needed when using the json method of retrieving friendly names for the devices in Homegear.

I haven't used Homegear in a while, but the `resolvenames: json` setting is targeted at people that use the HomeMatic CCU2/3, which exposes a JSON-RPC API. When I was using Homegear it did not have the JSON-RPC API like the CCU.

It should be possible though to set this to `resolvenames: metadata` (and remove username + password), which then would use the names you set within your manager software (that type of software stores the names in the metadata).

1 Like

---

**AndrejDelany** #37 October 24, 2018, 8:03pm

In my case, the problem starts earlier. When entering names in Homematic Manager, they aren't even stored in homegear. The names are not displayed on the status website of homegear, neither are they displayed in a second instance of Homematic manager in a different machine.

---

**swifty** #38 October 24, 2018, 8:04pm

Thanks for the tip - I'll try the metadata option out 😊

---

**danielperna84** #39 October 24, 2018, 9:04pm

If you can verify my statement please consider updating your initial post. From a technical perspective (Homegear from 2017) `resolvenames` is a non-functional configuration in terms of resolving names. 😞

---

**badgerhome** (Badgerhome) #40 October 24, 2018, 11:17pm

Thanks for sharing this and your awesome guide! I have ordered, had delivered, flashed and setup a cube and X1 radiator valve since your first post. I'm also using HomeGear natively on a Linux server.

Seems to be working well so far, looking forward to testing it over the coming weeks.

Out of interest what are you using to control your boiler?

Thanks again for sharing!!

---

**swifty** #41 October 25, 2018, 12:12am

Glad it was of use 😊

I'm using a Shelly 1 flashed with Tasmota firmware to control my boiler - the relay on the shell closes the thermostat circuit on the boiler so that it knows heat is required.

I then just set my traditional timeclock to 'ON' 24/7 - since the boiler only fires when the shelly circuit closes.

---

**badgerhome** (Badgerhome) #42 October 25, 2018, 2:48pm

Awesome, thank you.

Do you know if these can be exposed to HA? <https://www.eq-3.com/products/max/max-house-solution/max-wall-thermostat.html>

Do you know if they will still update the current temperature of the radiator valves with the temperature of the wireless wall thermostat? Or does the firmware break that link?

Thanks

---

**swifty** #43 October 25, 2018, 3:45pm

Yes, the wall thermostat should pair OK with homegear.

I have the same unit, but it's sat in a drawer now, since I just use HA to adjust the setpoints instead.

I'd suspect that the wall thermostat wouldn't update the radiator valves by default with the new firmware, but you could easily get it working using automations or node red.

ie. when wall thermostat changed, set radiator x, y and z to the wall thermostat value.

---

**badgerhome** (Badgerhome) #44 October 25, 2018, 4:11pm

I meant update the "current" temp to the sensor value in the wall unit. Can you update the "current" temp of the radiator valve as well as target temp?

---

**lubeda** (LuBeDa) #45 October 25, 2018, 4:43pm

I don't know the internals of homegear, but I think that /var/lib/homegear contains data that should be backed up like the paired devices...

For the influxdb I think it is used for node blue, but I don't know it exactly.

So I made a version without influxdb and it seems to work, at least for 22 hours, it also survived a restart of the homegear container.

I will start to move all my MAX!-component to homegear.

---

**Klagio** (Klagio) #46 October 25, 2018, 6:24pm

You happy of the switch? Did the valves report temperature values (with the HASS Max component most of the time not)

**Klagio** (Klagio) #47 October 25, 2018, 6:42pm

AndrejDelany:

Please create a Directory "Homegear" in your HassIO's addons share and copy the 5 files in there. Afterwards you can install from the "Add-on Store" inside HassIO (see [https://developers.home-assistant.io/docs/en/hassio\\_addon\\_tutorial.html](https://developers.home-assistant.io/docs/en/hassio_addon_tutorial.html) ).

If it works for you or not, please give me feedback.

I copied the five files in the directory \ubuntu\addons\Homegear when I go to the addon store I do find HOMEGEAR SGR addon, when I click INSTALL, nothing happens.

I run HASSIO on a Ubuntu NUC.

In the log

```
18-10-25 18:41:56 INFO (SyncWorker_11) [hassio.docker.addon] Start build local/amd64-add
18-10-25 18:41:56 ERROR (MainThread) [aiohttp.server] Error handling request
Traceback (most recent call last):
  File "/usr/local/lib/python3.7/site-packages/aiohttp/web_protocol.py", line 390, in st
    resp = await self._request_handler(request)
  File "/usr/local/lib/python3.7/site-packages/aiohttp/web_app.py", line 366, in _handle
    resp = await handler(request)
  File "/usr/local/lib/python3.7/site-packages/aiohttp/web_middlewares.py", line 106, in
    return await handler(request)
  File "/usr/local/lib/python3.7/site-packages/hassio/api/security.py", line 137, in tok
    return await handler(request)
  File "/usr/local/lib/python3.7/site-packages/hassio/api/utils.py", line 32, in wrap_ap
    answer = await method(api, *args, **kwargs)
  File "/usr/local/lib/python3.7/site-packages/hassio/addons/addon.py", line 692, in ins
    if not await self.instance.install(self.last_version):
  File "/usr/local/lib/python3.7/site-packages/hassio/utils/__init__.py", line 33, in wr
    return await method(api, *args, **kwargs)
  File "/usr/local/lib/python3.7/concurrent/futures/thread.py", line 57, in run
    result = self.fn(*self.args, **self.kwargs)
  File "/usr/local/lib/python3.7/site-packages/hassio/docker/addon.py", line 307, in _in
    return self._build(tag)
  File "/usr/local/lib/python3.7/site-packages/hassio/docker/addon.py", line 321, in _bu
    **build_env.get_docker_args(tag))
```

**AndrejDelany** #48 October 25, 2018, 8:09pm

Yes, you are absolutely right. I made a new version of the HassIO HomeGear addon which mounts this folder out. It is installable from a repository. Node-BLUE is included and working great. So I will leave influxdb inside as well.

**stefangries/hassio-addons**

Addons for HomeAssistant's HassIO. Contribute to stefangries/hassio-addons development by creating an account on GitHub.

If you'd like to share your version of the addon, maybe we can merge the best of both in one addon.

---

**swifty** #49 October 25, 2018, 8:11pm

Oh sorry - I misunderstood.

So, I dug the wall stat out of the drawer this evening and paired it with homegear.

Good news - the devices can be linked as per the original MAX functionality, so the wall stat can control multiple radiators, and also reports its value to the radiator valve.

To achieve this, pair the wall stat in homematic manager as per the procedure for the radiator valves.

Then select the 'Verknüpfungen' tab, and press the '+' button at the bottom.

In the new window under sender, select the serial of your wall stat, then select the valve(s) under 'Empfänger' - then press 'Anlegen'

The devices are now linked 😊

4 Likes

---

**AndrejDelany** #50 October 25, 2018, 8:15pm

Have you verified that other addons install correctly?

I have tested this on a standard HassIO on HassOS install (see <https://www.home-assistant.io/hassio/installation/>) on a RaspberryPi 3. As this device is ARM based, I'm not quiet sure, if this addon will run on x86 as well.

---

**AndrejDelany** #51 October 25, 2018, 8:19pm

Yes, those "Verknüpfungen" work well. With those, it's easy to link Thermostat <-> Thermostat, Wallthermostat -> Thermostat and WindowContact -> Thermostat. Has anyone found out, how to link EcoTaster with Thermostats?

---

**badgerhome** (Badgerhome) #52 October 25, 2018, 8:30pm

Thank you for confirming! Very useful information. I now have a big decision to make about whether I keep my Nest setup or ditch it and use the generic thermostat component with a sonoff or similar.

Such a shame the Nest API doesn't allow read/write of the "current temperature" or it would be perfect.

---

**Klagio** (Klagio) #53 October 25, 2018, 9:38pm

AndrejDelany:

Have you verified that other addons install correctly?

I have tested this on a standard HassIO on HassOS install (see <https://www.home-assistant.io/hassio/installation/>) on a RaspberryPi 3. As this device is ARM based, I'm not quiet sure, if this addon will run on x86 as well.

yes all addons works, just this not

---

**Klagio** (Klagio) #54 October 25, 2018, 9:48pm

Adding yours gives this. Sorry I don't know much about docker

```
18-10-25 21:46:14 INFO (SyncWorker_15) [hassio.docker.addon] Start build 89330960/amd64-addon-rpi-homegear:0.2
18-10-25 21:46:45 ERROR (SyncWorker_15) [hassio.docker.addon] Can't build 89330960/amd64-addon-rpi-homegear:0.2: The command '/bin/sh -c apt-get update && apt-get -y install apt-transport-https wget ca-certificates apt-utils gnupg' returned a non-zero code: 1
```

---

**Klagio** (Klagio) #55 October 26, 2018, 10:22am

swifty:

When you have determined the Cube IP go to your HomeGear install and edit the file  
`/etc/homegear/families/max.conf`

Hi!

In case of a HASSIO installation, where do you find this file?

---

**lubeda** (LuBeDa) #56 October 26, 2018, 1:36pm

Yes, this addon will not work onx86 because of the Docker Base image

FROM resin/**rpi**-raspbian:stretch

In the official Add-ons [hass.io](https://www.home-assistant.io) will try to use the right baseimage by using this in the Dockerfile instead:

```
ARG BUILD_FROM
FROM $BUILD_FROM
```

Which did not work in my case 😞

---

**swifty** #57 October 26, 2018, 2:18pm



Would be great to get an x86 build of the addon going since I guess there are a number of people running hassio on VM's / other tin that are not Rpi.

Anyone up to the challenge ? 😊

I may have a look myself, but free time is lacking recently!

---

**Klagio** (Klagio) #58 October 26, 2018, 2:43pm

swiftly:

Would be great to get an x86 build of the addon going since I guess there are a number of people running hassio on VM's / other tin that are not Rpi.

Anyone up to the challenge ? 😊

I may have a look myself, but free time is lacking recently!

### COPIED FROM ANOTHER POST

There is no official add-on but you can create your own easily.

1. Install samba addon (for ease)
2. In the addons dir create a new folder "Homegear"
3. In the Homegear dir create a file "config.json", and paste this into in and save:

```
{
  "name": "Homegear",
  "version": "latest",
  "slug": "homegear",
  "image": "homegear/homegear",
  "description": "Homegear",
  "url": "https://hub.docker.com/r/homegear/homegear/",
  "startup": "before",
  "boot": "auto",
  "ports": {
    "2001/tcp": 2001,
    "2002/tcp": 2002,
    "2003/tcp": 2003
  },
  "environment": {
  },
  "arch": ["amd64"],
  "options": {
  },
  "schema": {
  }
}
```

You may need to change arch if on RPi - I am on x86  
Save the file, open hassio store and you should see local addon.  
Install it and start it...

Works for me at <http://hassio.local:2001>

1 Like

---

**Klagio** (Klagio) #59 October 26, 2018, 2:46pm

I followed this guide and the addon seems installed. I do not know how to test it since I didn't flash the MAX Cube yet.

I can click on NODE-BLUE but it asks for a user and password, which I do not know

---

**swifty** #60 October 26, 2018, 3:36pm

Nice find, might check this out when I get the time 😊

---

**AndrejDelany** #61 October 26, 2018, 4:08pm

Does this add on store the data outside the container or does it reset on every rebuild?

---

**Klagio** (Klagio) #62 October 26, 2018, 4:23pm

I have no idea, better ask the creator of the post [@hijinx](#)

#### **Hass.io with additional docker container (for Homegear)**

There is no official add-on but you can create your own easily. Install samba addon (for ease) In the addons dir create a new folder "Homegear" In the Homegear dir create a file "config.json", and paste this into it and save: { "name": "Homegear", "version": "latest", "slug": "homegear", "image": "homegear/homegear", "description": "Homegear", "url": "https://hub.docker.com/r/homegear/homegear/", "startup": "before", "boot": "auto", "p...

---

**Klagio** (Klagio) #63 October 26, 2018, 7:16pm

swifty:

There is an official image on dockerhub <https://hub.docker.com/r/homegear/homegear/>

I had a quick play with this, but couldn't get homegear to load any of the modules - there seemed to be a permission issue inside the container, but I'm no docker expert so I gave up on that and just installed directly

Worried about this

---

**lubeda** (LuBeDa) #64 October 27, 2018, 5:24am

For the logindata you must take a look at the logfile. The password is dynamically generated during first start

---

**swifty** #66 October 31, 2018, 9:07pm

Have you managed to get config writing outside of the docker container for your addon ?

I have cloned the setup from your github but tweaked a few parts as mentioned above so that it works on x86. However I'm not seeing any of the folders get created in my Hassio /config or /share... looking at start.sh it should at least be creating the directories on startup...

---

**AndrejDelany** #67 October 31, 2018, 10:15pm

Yes, my linked addon from GitHub stores all data outside the container. It is rebuild and restart safe. As I don't know what you changed, I cannot say what the reason is, that it does not work for you. Maybe the container doesn't even start Correctly?

---

**swifty** #68 October 31, 2018, 10:32pm

The addon seems to be starting OK - I can access the webserver on port 2001 and the log output looks good. It just doesn't seem to map the directories for some reason.

I've uploaded the addon files here : [https://drive.google.com/file/d/10oPj8Uv-DDWnsJ5ld1W5eSu3J0z\\_yp3a/view?usp=sharing](https://drive.google.com/file/d/10oPj8Uv-DDWnsJ5ld1W5eSu3J0z_yp3a/view?usp=sharing)

But the change was basically to remove the rpi qemu reference and point at debian:stretch as the source on the dockerfile.

---

**weber114** (Brian Weber Haagensen) #69 November 3, 2018, 2:04pm

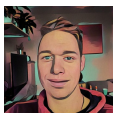
I can't see the max cube in homegear. I can see the max cuns ip adresse and put it in the max.conf but i can't see it in homegear and i can't pair my thermostats

---

**kreativmonkey** (Sebastian) #70 November 13, 2018, 2:34pm

**@swifty** , that is a really greate tutorial to flash the MAX! cube to CUL. I use MAX! devices for 3 years and for two years i flashed my MAX! Cube. Scince this, the system runs really create and solid!

This summer i changed my setup from homegear with installed homeassistant and deconz to **hass.io** on my raspberrypi. The homegear addon for **hass.io** is no longer supported and can't be installed. This week i worked on the old Plugin to get it run on the new setup. I Changed the homegear version to the nightly 0.8 and use debian instead of raspbian. Now it works great for me.



#### **kreativmonkey/hassio-addons**

Hassio add-ons for my home automation. Contribute to kreativmonkey/hassio-addons development by creating an account on GitHub.

1 Like

---

**swifty** #71 November 13, 2018, 7:22pm

**@kreativmonkey** Very nice - would be great if we could have a homegear addon that supports all platforms.

I'm not so familiar with the internals of addon creation, do you know is it possible to have some logic in the dockerfile & start script that handles different platforms? or is the only option to have separate addons per platform?

**@weber114** Sorry for the delay... was busy and meant to come back to your message but forgot! - Have you solved your issue?

---

**weber114** (Brian Weber Haagensen) #72 November 14, 2018, 12:00pm

No sadly i can't connect to any of my devices.  
They are not showing up in homegear.

---

**swifty** #73 November 14, 2018, 12:48pm

Ok - please give us some detail on where you have got to in the guide, and what exactly you are seeing.

- Does homematic manager connect to homegear correctly?
- Can you get through the pairing process successfully using homematic manager?

---

**weber114** (Brian Weber Haagensen) #74 November 14, 2018, 1:39pm

It's connecting to the homegear server. And i am able to start pairing mode. But nothing shows up.

---

**weber114** (Brian Weber Haagensen) #75 November 14, 2018, 1:40pm

I'm not sure i am setting the configuration file up correctly. I sit possible to see if homegear detects the CUL?

---

**weber114** (Brian Weber Haagensen) #76 November 14, 2018, 1:45pm

```
11/14/18 11:20:23.269 Could not connect to socket. Error: No such file or directory
11/14/18 11:51:09.970 Could not connect to socket. Error: No such file or directory
11/14/18 11:51:12.001 Could not connect to socket. Error: No such file or directory
11/14/18 11:59:48.588 Could not connect to socket. Error: No such file or directory
11/14/18 11:59:50.612 Could not connect to socket. Error: No such file or directory
11/14/18 12:58:01.006 Could not connect to socket. Error: No such file or directory
11/14/18 12:58:03.142 Could not connect to socket. Error: No such file or directory
```

This is from the homegear-management.err

---

**swifty** #77 November 14, 2018, 1:57pm

How are you running homegear ? - docker, local install, hassio etc...?

And what platform are you running.

I would guess from that log that the homegear instance cannot talk to the cube, so you'll need to give us some information on your setup (IPs, config file entries etc...)

---

**weber114** (Brian Weber Haagensen) #78 November 14, 2018, 2:21pm

I running a NanoCUL plugged in the USB on a raspberry running homegear.

---

**weber114** (Brian Weber Haagensen) #79 November 14, 2018, 2:26pm

*\_This is from my max.conf file*

---

----- MAX! -----

---

```
#####  
##### General Settings #####  
#####
```

[General]

moduleEnabled = true

**The MAX! address of Homegear. It is recommended to change this to a random 3 byte hexadecimal**

**value starting with 0xFD (e. g. 0xFD43AB). Only change this, when no MAX! devices**

**are paired to Homegear as existing pairings will not work anymore!**

centralAddress = 0xFD35AB

```
#####  
##### CUL #####  
#####
```

**The device family this interface is for**

#[CUL]

**Specify an unique id here to identify this device in Homegear**

id = MAX-NANOCUL

## When default is set to “true” Homegear will assign this device to new peers.

default = true

### Options: cul, coc, cc1100

deviceType = cul

device = /dev/ttyACM0

### Should be “40” for MAX!

responseDelay = 40

---

**swifty** #80 November 14, 2018, 2:54pm

weber114:

I running a NanoCUL plugged in the USB on a raspberry running homegear.

This thread is for converting a Max cube into a CUL / CUN so you may be better off starting a new thread to keep things clean.

I haven't connecting via serial over USB (as per the guide i'm using the IP connectivity to the cube).

Have you confirmed the NanoCUL is actually detected at /dev/ttyAMA0, or maybe it's a permission issue accessing the port ?

---

**weber114** (Brian Weber Haagensen) #81 November 14, 2018, 3:07pm

I start with CUBE. Couldn't get that working, so bought a nanocul. How can i check that its detected at /dev/ttyAMA0 ? i can try with the Cube, if that is better.

---

**swifty** #82 November 14, 2018, 3:15pm

If you have the cube then you could go with that, start the guide from the top and follow each step precisely.

There are various checks in the guide to make sure things are working correctly - let us know which step you get to when things start to go wrong... then hopefully we can figure out what the problem is.

If you want to stick with the nanoCUL it is probably worth posting on the homegear forum, as I have no experience using the serial connections with homegear...

---

**quasar66** (Quasar66) #83 November 14, 2018, 4:16pm

Thank you very much for the guide.

I've just finished re-re-re-configuring the cube before my wife gets home (close one this time!). I'll do this tomorrow and hope fully it will work. It's also good to know that we can keep the old functionality of wall thermostat + radiator pairs since i got a couple of them...

I'll update tomorrow with the (hopefully) good news...

One question though... what's the downside of no-credits firmware? More battery usage probably... Anything else?

---

**swifty** #84 November 14, 2018, 5:06pm

Yes - I guess battery life is probably impacted a little, but probably negligible since the thermostats only send when they need to anyway (ie. when the valve position changes).

Also if you have LOTS of RF devices, I guess your airwaves could be busier and temporarily block signals, but again probably not an issue for most people.

---

**AndrejDelany** #85 November 15, 2018, 8:22am

I'm using Homegear (in Docker on HassOS), but with a Cube für MAX! and a nanoCUL for HomeMatic. For the nanoCUL I'm using a responseDelay of 95. By the way, the adress of my USB nanoCUL is /dev/ttyUSB0 and not /dev/ttyACM0. Maybe, you should check this.

---

**AndrejDelany** #86 November 15, 2018, 8:26am

Cool, looks promising 😊

I can see that in config.json the devices are hardwired. I think there is the possibility to detect the devices automatically via the auto\_uart config to integrate them into Docker. So you wouldn't be limited to the two variants.

---

**quasar66** (Quasar66) #87 November 15, 2018, 8:30am

You can use something like this <https://gist.github.com/vladbabii/cc1bbcd6b61485caefece5f04370eb7e> to set it to a fixed /dev/something location. Just list your usb devices and find the correct vendor id and device id and replace them. Also if you set SYMLINK+="cul" then the device will be /dev/cul .

The RUN+="bin/x-hass-restart-zwave-replug" can be removed or can be set to a script that does something is the usb hickups or you remove/replace the script (for zwave i restart the home assistant after 10 seconds, for other sticks / adapter i use service restart and so on...) This was added because usb can hiccup and remove/re-add the usb connections randomly without physically removing them...

---

**quasar66** (Quasar66) #88 November 15, 2018, 12:15pm

Success! I have thermostat+ 1 to 3 radiators in various rooms. When i change a thermostat the radiators get updated instantly!

And you don't actually need the homematic binding, just use mqtt!

- <https://www.home-assistant.io/components/climate.mqtt/>

You can edit `/etc/homegear/mqtt.conf` and set your broker, then, in home assistant add to the climate component at least the thermostats (in my case changing thermostat values also triggers the radiators)

```
# modes:
# 0 - auto
# 1 - manual
# 2 - party
# 3 - boost

- platform: mqtt
  name: Office Thermostat
  retain: false
  send_it_off: true
  current_temperature_topic: service/homegear/8347/plain/1/1/ACTUAL_TEMPERATURE
  temperature_state_topic: service/homegear/8347/plain/1/1/SET_TEMPERATURE
  temperature_command_topic: service/homegear/8347/set/1/1/SET_TEMPERATURE
  min_temp: 10
  max_temp: 30
  temp_step: 0.5
  modes: ["auto","manual","party","boost"]
  mode_state_topic: service/homegear/8347/plain/1/1/CONTROL_MODE
  mode_state_template: >-
    {% set values = { '0':'auto', '1':'manual', '3':'boost' } %}
    {{ values[value] if value in values.keys() else 'off' }}
```

I don't use party mode so i hide it...

Works very well. Also I disabled node-blue since it was causing very high cpu usage on idle in homegear.

Now I only need to make **mode\_command\_template** to work with

```
# mode_command_topic: service/homegear/8347/set/3/1/CONTROL_MODE
# mode_command_template: >-
#   {% set values = { 'auto':'0', 'manual':'1', 'boost':'3' } %}
#   {{ values[value] if value in values.keys() else '0' }}
```

details in this thread - [Need help with value\\_template for MQTT HVAC](#)

---

**quasar66** (Quasar66) #89 November 15, 2018, 12:15pm

Mqtt binary sensor template for battery level

```
- platform: mqtt
  unique_id: heating_battlow_office_thermostat
  name: Office Thermostat Low Battery
  state_topic: service/homegear/8347/plain/1/0/LOWBAT
  payload_on: true
  payload_off: false
  device_class: battery
```

- [https://www.home-assistant.io/components/binary\\_sensor/](https://www.home-assistant.io/components/binary_sensor/)



---

**AndrejDelany** #90 November 15, 2018, 12:34pm

What is the advantage of using MQTT instead of the Homematic Binding when connecting Homegear to HomeAssistant?

---

**quasar66** (Quasar66) #91 November 15, 2018, 12:42pm

One less binding to worry about/upgrade/test... decoupling components since mqtt is an easy standard... I can update only parts of the home automation system... For example, I had a (old version of) home assistant + cube plugin in a container that handled heating and pushed everything to mqtt, now i replaced that container with a home gear one... When something breaks or needs upgrade it's usually a "slave" that needs working on so I can turn off a part of the home automation and everything else works... And if something breaks i can just turn off a part of the system, not everything...

I run everything in my home on mqtt, so it's easier for me...

---

**swifty** #92 November 15, 2018, 1:19pm

Thanks for the feedback, I'd heard of MQTT support in homegear, but not investigated it at all.

Might switch my setup to this, since I'm using MQTT for most other things - as you say, one less thing to test at update time 😊

I'm interested to know if anyone found a good (efficient) way to send automatic schedules to the thermostats via homegear?

I'd like some 'day temperatures' for some of my thermostats for rooms that are unoccupied during the day, but also to revert to the previous manual temperature at night.

One way I thought of was to store the manual temperature in a number entity then use that to revert back at night... but it feels messy...

I wondered if I could make use of the auto mode during the day and then switch to manual mode at night - but I've not yet tested if the previous manual temperature is remembered when you switch from auto...

---

**AndrejDelany** #93 November 15, 2018, 1:34pm

If you use MAX! Thermostats, I would recommend to use HomeMatic Manager so store the time tables of temperatures directly on the thermostats, as this is way more robust than using Homegear / HomeAssistant for those schedules.

---

**swifty** #94 November 15, 2018, 1:43pm

Indeed, thats what I was thinking, but it seems setting these values for each thermostat is very clunky in homematic manager (unless i've missed something).

---

**quasar66** (Quasar66) #95 November 15, 2018, 1:47pm

After issuing many commands via alexa / web interface / physical devices, i got this in the homegear logs

```
... Module MAX: CUNX "Max-CUNX": Warning: Too short packet received: ...
```

When you get a lot of these messages, the integration will stop working. I restarted homegear to fix everything...

I will monitor things for the next couple of days to see if it happens again...

---

**swiftly** #96 November 15, 2018, 1:59pm

Does that message end with 'LOVF' ? - If so, you have run out of airtime credits.

(Though that shouldn't happen if you use the no credits firmware)

I haven't spotted that issue before, but I haven't inspected the logs recently since everything seems to be working.

---

**AndrejDelany** #97 November 15, 2018, 2:00pm

No, I'm afraid it's really time-consuming. But it is possible to apply a configuration directly to several thermostats or to copy a configuration to another thermostat and then only adjust it.

---

**AndrejDelany** #98 November 15, 2018, 2:01pm

I know that error. With me, however, it goes away after some time (a few hours?) also again by itself - without restart.

---

**quasar66** (Quasar66) #99 November 15, 2018, 4:58pm

I'm using the no-credits firmware...

---

**swiftly** #100 November 15, 2018, 5:11pm

Interesting, is your log entry ending 'LOVF' ? - If it isn't, then i don't think that is the credits problem...

If it is, you shouldn't be seeing it with that firmware 🤔

---

**kreativmonkey** (Sebastian) #103 November 16, 2018, 6:35am

Thanks for you comment. I will think about this and some other improvements like builds for other systems than RaspberryPi. I will have a look on theas features and update the Package.

---

**kreativmonkey** (Sebastian) #104 November 16, 2018, 7:48am

**@swifty** , i look for a switch to the alpine repo that is used by [hass.io](https://hass.io). I dont know how complicated it is to get homegear run in alpine linux. If that is not a big deal i think it is possible to build this addon on all platforms that supported by [hass.io](https://hass.io).

---

**quasar66** (Quasar66) #105 November 16, 2018, 8:06am

```
homegear.log:11/15/18 19:05:25.139 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 19:05:25.140 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 19:21:53.877 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 19:23:11.421 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 21:28:15.775 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 21:29:18.205 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 21:30:28.811 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 21:32:15.836 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 21:42:50.550 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 22:21:34.613 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/15/18 22:22:57.111 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/16/18 01:21:34.433 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/16/18 01:21:37.901 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/16/18 01:27:11.114 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/16/18 01:29:01.360 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/16/18 01:37:47.810 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/16/18 05:07:06.349 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/16/18 05:07:48.465 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
homegear.log:11/16/18 05:08:59.319 Module MAX: CUNX "Max-CUNX": Warning: Too short packet
```

No LOVF... Maybe I should connect the cube via usb instead of ip?

---

**swifty** #106 November 16, 2018, 10:55am

Ok no LOVF so the error is not credit limiting afaik.

I searched and found some other reports of this (it's an issue in culfw), and someone noted some changes they made to help - i'll see if i have any logs of the issue tonight and try out compiling a new firmware with the changes they mention.

---

**quasar66** (Quasar66) #107 November 16, 2018, 12:26pm

Thank you. Let me know if I can help in any way.

**weber114** (Brian Weber Haagensen) #108 November 18, 2018, 3:23pm

My hassio won't read config.json in the repository. Is there something i can do?

---

**Klagio** (Klagio) #109 November 18, 2018, 3:32pm

You have a NUC?

I do and can't install the addon

---

**weber114** (Brian Weber Haagensen) #110 November 18, 2018, 3:53pm

No raspberry 3b

---

**kreativmonkey** (Sebastian) #111 November 19, 2018, 2:30pm

Sorry for the trouble. There was a wrong comma at the end of the config.json file. After few tests you should be able to install the add on. I want to create some automatic tests for further releases. There are now two Add-Ons, one for RaspberryPi and one for the other platforms currently not tested. Please let me know if there are more issues. Best on this thread: <https://github.com/kreativmonkey/hassio-addons>

Thanks

---

**weber114** (Brian Weber Haagensen) #112 November 19, 2018, 6:39pm

It still don't work. But its showing up in dashboard but it isn't installed.

---

**kreativmonkey** (Sebastian) #113 November 19, 2018, 9:34pm

Try to remove the Repository and add it against. If you installed a previous version, you must delete it first. In my case i must connect via ssh and remove it with:

```
ad uninstall --name 441b9bcc_homegear-rpi
```

I have test the installation on an RaspberryPi 2b and 3b+.

---

**weber114** (Brian Weber Haagensen) #114 November 20, 2018, 7:37pm

that worked. How to i found out on what dev the nanoCUL is connectet. I really need help here... Thanks

---

**kreativmonkey** (Sebastian) #115 November 20, 2018, 10:13pm

disconnect you nanoCUL first, than connect to your [hass.io](https://hass.io) with ssh

```
ssh [email protected]<hassio ip> -p 22222
```

after connecting type login plugin your nanoCUL and type dmesg now you should see something like that:

```
[111207.346002] usb 1-1.2: USB disconnect, device number 4  
[111211.738648] usb 1-1.2: new full-speed USB device number 6 using dwc_otg  
[111211.910604] usb 1-1.2: New USB device found, idVendor=03eb, idProduct=6119  
[111211.911971] usb 1-1.2: New USB device strings: Mfr=0, Product=1, SerialNumber=0  
[111211.914515] usb 1-1.2: Product: AT91USBSerial1  
[111211.924130] cdc_acm 1-1.2:1.0: ttyACM0: USB ACM device
```

the last line show you that the CUL is on ttyACM0.

---

**weber114** (Brian Weber Haagensen) #116 November 21, 2018, 5:33pm

I'am not able to login via port 22222. But when i plugin nanoCUL and press hardware in [HASS.io](https://hass.io) it show that its connected on ttyUSB0. Which i put in the max.conf. But when i scan for my max thermostats and put them in parring mode. Nothing shows up. What am i doing wrong?

---

**weber114** (Brian Weber Haagensen) #117 November 22, 2018, 10:52am

I am not able to connect to the RPC consol. It says that the requestet URL is not found on this server. So i can't see if anything is showing up in homegear. Please help. Thanks

---

**kreativmonkey** (Sebastian) #118 November 22, 2018, 3:12pm

Pleas try the new version 0.70.4, proubably this should fix the issue.

---

**weber114** (Brian Weber Haagensen) #119 November 23, 2018, 3:00pm

I am now able to open RPC. But not the administration.

---

**kreativmonkey** (Sebastian) #120 November 23, 2018, 9:07pm

Current support in this thread: [Homegear Add-on for Hassio](#) please!

---

**ibruceuk** #121 November 27, 2018, 9:08am

[@swifty](#) - Did you experience the cube rebooting at all? I've flashed both your (no credit) version and the latest from GitHub and the cube seems to reboot randomly - it does seem to be when it is asked to transmit/acknowledge data.

I'm not using Home Assistant but this seems to occur without any connection to FHEM just Max radio traffic...

I wonder if previous versions of a-culfw are more stable? Do you have a previous version with the no credit mod?

---

[swifty](#) #122 November 27, 2018, 9:00pm

No, I can't say I've spotted the unit rebooting itself.

Have you tried a different USB power brick or cable ? - I have noticed the cube behaves oddly if there isn't quite enough power.

---

[ibruceuk](#) #123 December 5, 2018, 10:55pm

Yeah that solved it!

Using a 2amp power brick and it seems stable... The battery light actually means something it seems as now with a 2amp power brick it isn't lit up at all where it did used to be!

---

[Nuick](#) #124 December 31, 2018, 1:20pm

Hello everyone. First of all, thank you very much [swifty](#) for this very complete guide ! 👍

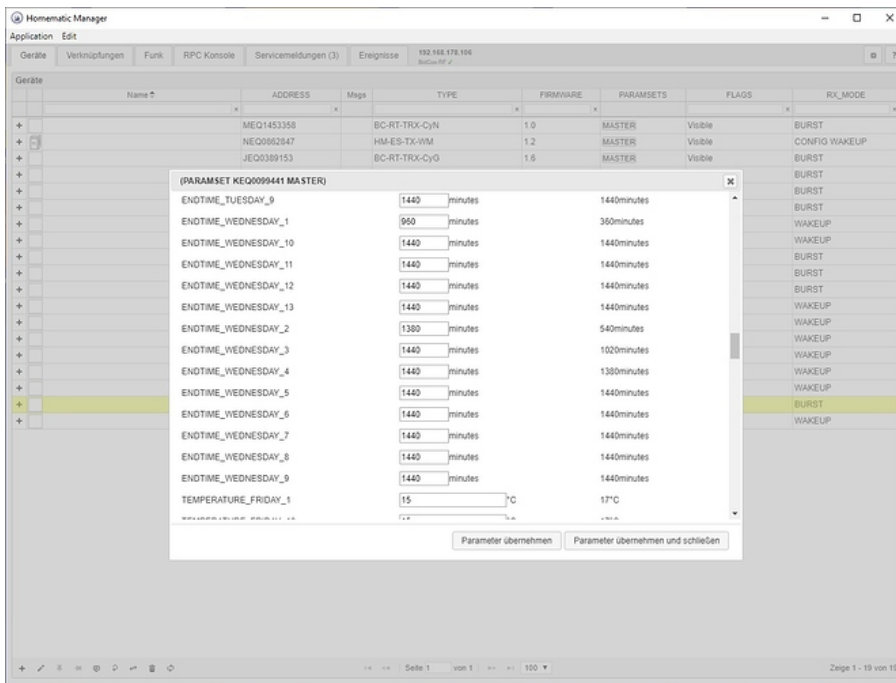
My max!cube as lost its configuration once too often. Before flashing the cube (as it's one way), I want to be sure that I will keep the same set of features I'm using right now.

I have 6 max! radiator thermostats and 2 wall thermostats. Each wall thermostat is linked to 2 differents radiator thermostats. I am using [MAX! home automation](#) for configuring schedules and of course Home assistant integration to controls the thermostats.

1. As I understand, I will still be allowed to link wall thermostat to multiple radiator thermostats in order to send temperature change orders to the wall thermostat only, right ? Did someone test this ? Is the link between wall thermostat and radiator thermostats more reliable than with max!cube original firmware ? I have regular issues with this. Thermostats can desynchronize themselves and I have to factory reset them.
2. AndrejDelany says that is still possible to store time tables of temperature directly in the thermostat. This feature is very important to me. That means that the thermostats will continue to be scheduled even if there is an homeassistant/homegear/max!cube failure.  
Is it easy to configure in homematic-manager (in german 🤔) ? Could someone please post a screenshot of the timetable editor ?
3. Is there a way to retrieve (and eventually set) the valve percentage of thermostats from Homegear into homeassistant ? Maybe using mqtt ?  
I am currently using some dirty python script to retrieve this values on max!cube and display them in grafana.

**AndrejDelany** #125 January 1, 2019, 11:42am

1. I linked one wall thermostat with one radiator thermostat. No problems.
2. Yes, they work even with homegear offline.



(Wie du sehen kannst, ist die App teilweise auf deutsch. Du kannst damit die jeden Tag der Woche in bis zu 13 Abschnitte teilen, und für jeden Abschnitt eine Temperatur festlegen)

3. I don't think so.

1 Like

**swifty** #126 January 1, 2019, 4:13pm

**@Nuick** if you are setting up from fresh I'd suggest deviating slightly from the setup I documented and enable mqtt in the homegear config.

This way you don't need to use the homematic component for home assistant.

I switched mine over to Mqtt a while back and it seems much more reliable.

**Klagio** (Klagio) #127 January 9, 2019, 4:36pm

swifty:

if you are setting up from fresh

Hi, after my nth unwanted MAX reset, I am ready to flash it, and hope not bricking the device. Coming weekend will do the hardware part.

For the software part I ran HASSIO 0.84.6 on a NUC,

Is your first post still working guide? Thanks for it anyway.

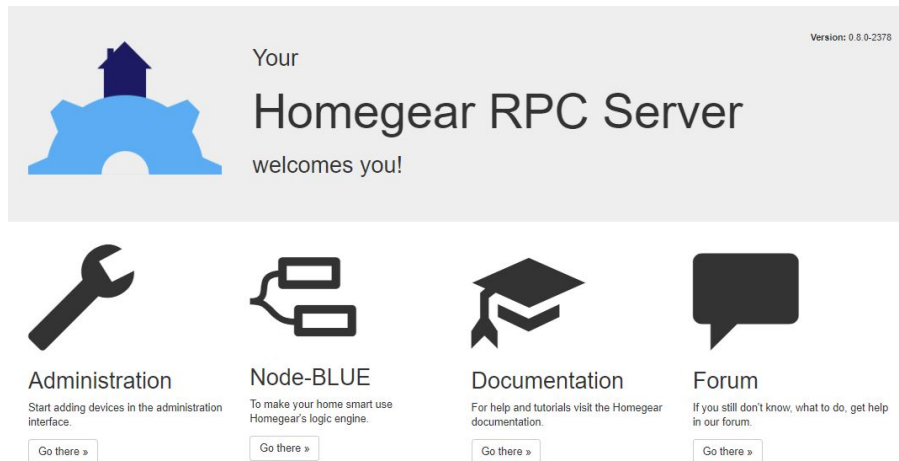
If I understood correctly, you suggest to install Homegear HASSIO addon to be used with MQTT and do not install homematic, yes?

I managed to install the addon , I come to this menu, but clicking on ADMINISTRATION, it gives

# Not Found

The requested URL admin/ was not found on this server.

Homegear 0.8.0-2378 at Port 2001



---

**swifty** #128 January 9, 2019, 4:36pm

Hi,

Yes the guide should still be working, but as per earlier I'd suggest the following change:

Skip the step for configuring the homematic component of HomeAssistant and instead use MQTT as per [@quasar66](#) excellent suggestion here; [Converting a MAX! Cube to CUL/CUN to use with Home Assistant](#)

All you should need to do is enable the MQTT options within Homegear, which are documented on their website. If i find some time i'll update the OP to include all steps for MQTT.

1 Like

---

**AndrejDelany** #129 January 9, 2019, 4:36pm

You always need the Homegear addon. You can connect it via MQTT or via the Homematic component to Home Assistant.

1 Like

---

**Klagio** (Klagio) #130 January 9, 2019, 4:48pm

quasar66:

Success! I have thermostat+ 1 to 3 radiators in various rooms. When i change a thermostat the radiators get updated instantly!

And you don't actually need the homematic binding, just use mqtt!



- <https://www.home-assistant.io/components/climate.mqtt/>

You can edit /etc/homegear/mqtt.conf and set your broker,

Hi, I did this, but I do not have thermostats but just the thermostatic valves: not sure we are talking about the same object (a thermostat is for me the device that turns on and off the heater, the thermostatic valve is the valve attached to the radiator that regulates the amount of water flowing in the radiator).

You know the mqtt commands to change values to the radiators?

<https://www.eq-3.com/products/max/max-house-solution/max-radiator-thermostat.html>

---

**Klagio** (Klagio) #131 January 9, 2019, 4:45pm

AndrejDelany:

If you use MAX! Thermostats, I would recommend to use HomeMatic Manager so store the time tables of temperatures directly on the thermostats

if using MQTT as per above suggestions, will the programming still be stored in the thermostatic valves?

---

**Klagio** (Klagio) #132 January 9, 2019, 4:53pm

swifty:

We can use the homegear cli to add a user for HomeAssistant - execute 'homegear -r' on your homegear server.

Type: users create <USERNAME> "<PASSWORD>" "1"  
(Include those quotes around password and 1...)

Ohh I see I need to add a user, but how to add it in HASSIO?

---

**swifty** #133 January 9, 2019, 5:00pm

Only need that for using homematic - you shouldn't need this if using the MQTT approach.

In answer to your other questions, yes using the HomeMatic Manager to store the timetables to the thermostats will work fine with MQTT (they are stored on the actual valve) - assuming you run in 'Auto' mode.

And yes, the MQTT post I linked works fine with the radiator valves themselves (ie. if you don't use a wall thermostat) - it can set the target temperature and change mode etc... of the radiator valve.

---

**Klagio** (Klagio) #134 January 9, 2019, 5:09pm

swifty:

Only need that for using homematic - you shouldn't need this if using the MQTT approach.

I see, great, one additional step solved.

Now the missing part is which are the correct topic for changing things. For each VALVE I should do something like the below code, but which are the topics for my 11 valves ...? Basically how do I link a valve to a topic ... sorry I am ... confused 😊

```
- platform: mqtt
  name: Office Thermostat
  retain: false
  send_it_off: true
  current_temperature_topic: service/homegear/8347/plain/1/1/ACTUAL_TEMPERATURE
  temperature_state_topic: service/homegear/8347/plain/1/1/SET_TEMPERATURE
  temperature_command_topic: service/homegear/8347/set/1/1/SET_TEMPERATURE
  min_temp: 10
  max_temp: 30
  temp_step: 0.5
  modes: ["auto", "manual", "party", "boost"]
  mode_state_topic: service/homegear/8347/plain/1/1/CONTROL_MODE
  mode_state_template: >-
    {% set values = { '0': 'auto', '1': 'manual', '3': 'boost' } %}
    {{ values[value] if value in values.keys() else 'off' }}
```

---

**Klagio** (Klagio) #135 January 10, 2019, 9:07am

I found this, but is soooo , to me, complicated. I just want to know the command/topic to read the current temperature of a specific valve and the command/topic to set a temperature value to a specific valve.

Any clue? Thanks

[https://doc.homegear.eu/data/homegear/communication\\_protocols.html](https://doc.homegear.eu/data/homegear/communication_protocols.html)

---

**swifty** #136 January 10, 2019, 10:10am

So as an example, if you have the following settings in the mqtt.conf for homegear:-

```
prefix=homegear
homegearID=climate
plainTopic=true
enabled=true
```

(and obviously set your broker details)

Your MQTT entry for homeassistant would look something like:-

```
- platform: mqtt
  name: Landing Radiator
  retain: false
  send_it_off: true
```

```

current_temperature_topic: homegear/temperature/plain/4/1/ACTUAL_TEMPERATURE
temperature_state_topic: homegear/temperature/plain/4/1/SET_TEMPERATURE
temperature_command_topic: homegear/temperature/set/4/1/SET_TEMPERATURE
min_temp: 14
max_temp: 30
temp_step: 0.5
modes: ["auto", "manual", "party", "boost"]
mode_state_topic: homegear/temperature/plain/4/1/CONTROL_MODE
mode_state_template: >-
{% set values = { '0': 'auto', '1': 'manual', '3': 'boost' } %}
{{ values[value] if value in values.keys() else 'off' }}

```

Where '4' in the topic is the peer (think device) id (view this in the homegear cli) and '1' is the channel.  
You'll basically want to have multiple copies of the above, but simply change '4' in the topic and the name to the relevant device.

---

**Klagio** (Klagio) #137 January 10, 2019, 10:41am

swiftly:

Where '4' in the topic is the peer (think device) id (view this in the homegear cli) and '1' is the channel.  
You'll basically want to have multiple copies of the above, but simply change '4' in the topic and the name to the relevant device.

Thanks a lot for your help. Is very clear all.

One last thing, I hope (!), how /where to check the peer ID for each device.

Running HASSIO I don't have access to the homegear cli, or I have?

Nevertheless I can try randomly: I guess having 11 thermostatic valves they are numbered from 1,2,3 to 11?

---

**Klagio** (Klagio) #138 January 10, 2019, 10:45am

Sorry but trying to solve all the possible issues before installing all, and since the flashing is irreversible I want to make sure I have it all streighten up. Now it's winter with 0 degrees, not a good time for experimenting with heating 😊

---

**swiftly** #139 January 10, 2019, 11:01am

If you can't get to the cli, you can also view it on the web page at [http://<homegear\\_ip>:2001](http://<homegear_ip>:2001)  
There is a table at the bottom of the page which shows all paired devices and the device ID.

---

**Klagio** (Klagio) #140 January 10, 2019, 11:52am

For accessing the GUI will need to solve the problem of the user. ([Converting a MAX! Cube to CUL/CUN to use with Home Assistant](#))

I am kind of stuck

Nobody did this installation with HASSIO?

If not I guess will need to make a fresh Hassbian install so to have access to the cli, and hope the settings (peer I'd) be the same in the two install (hassio and hassbian)

---

**Dielee** (Linus Dietz) #141 January 10, 2019, 4:24pm

Does this work with window sensors from max?

---

**swifty** #142 January 10, 2019, 4:52pm

I don't have any personally, but it looks like there are some window sensors supported by homegear - if you have those models, I don't see why it wouldn't work.

<https://ref.homegear.eu/family.html?familyLink=max!&familyName=MAX!>

---

**Dielee** (Linus Dietz) #143 January 11, 2019, 10:46am

Thanks for this link.

I will try to flash my max cube at sunday.

The default max software is very bad and not working good with my ha...

---

**Dielee** (Linus Dietz) #144 January 13, 2019, 2:32pm

BIG THANKS MAN! This is so awesome. Works like charm!!

1 Like

---

**Dielee** (Linus Dietz) #145 January 16, 2019, 10:39am

Hello all,

i want to use mqtt with my radiators.

But climate component is not working.

Log Says:

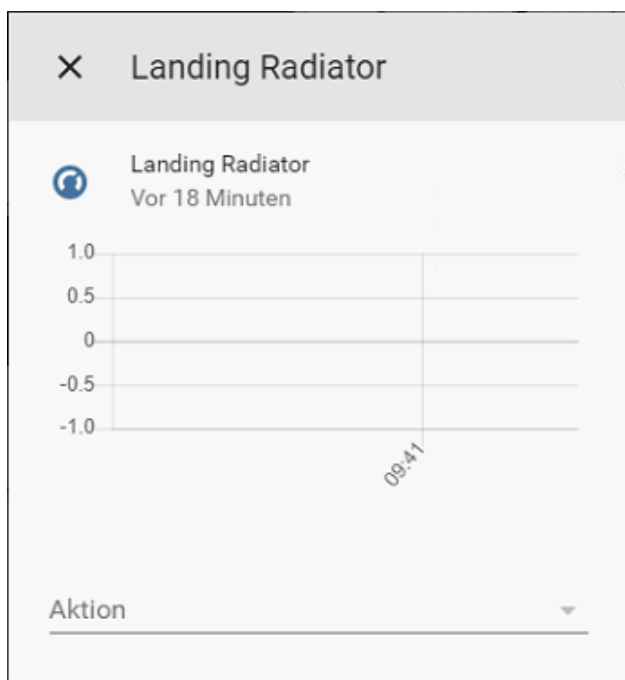
```
01/16/19 09:47:17.200 RPC Server (Port 2001): Info: Connection from ::ffff:192.168.60.144:
01/16/19 09:47:17.201 RPC Server (Port 2001): Info: RPC server client id for client number
01/16/19 09:47:17.203 RPC Server (Port 2001): Info: Client number 77 is calling RPC method
(String) hmm
01/16/19 09:47:17.203 MQTT Client Info: Publishing topic homegear/climate/json/0/-1/PONG
```

```
01/16/19 09:47:17.204 MQTT Client Info: Publishing topic homegear/climate/plain/0/-1/PON
01/16/19 09:47:17.204 MQTT Client Info: Publishing topic homegear/climate/jsonobj/0/-1
01/16/19 09:47:20.520 MAX packet received (Max-CUNX, RSSI: 0x50): 09000604000000000000D
```

Mqtt.conf:

```
enabled = true
brokerHostname = 192.168.60.4
brokerPort = 1883
prefix=homegear
homegearID=climate
plainTopic=true
enabled=true
```

Screenshot of HA climate:



Any ideas ?

Thanks!

EDIT: My MQTT broker show:

```
homegear/climate/plain/3/0/LOWBAT false
homegear/climate/plain/3/1/STATE false
homegear/climate/plain/4/1/STATE false
homegear/climate/plain/0/-1/PONG "hmm"
```

---

**Dielee** (Linus Dietz) #146 January 16, 2019, 1:23pm

Ok, works now.

But my window sensors not working over mqtt.

```
binary_sensor:
  - platform: mqtt
```

```
name: Fensterkontakt_Bad
state_topic: homegear/climate/plain/5/1/STATE
payload_on: true
payload_off: false
device_class: window
```

Can not get updates in HA, but my MQTT broker shows changes from my windows.

Got it:

```
- platform: mqtt
  name: win_wohn
  state_topic: homegear/climate/plain/3/1/STATE
  payload_on: "true"
  payload_off: "false"
  device_class: window
```

---

**Nuick** #147 January 24, 2019, 8:14pm

Hi everyone,

I managed to flash my max!Cube and to get it working with Homegear and Homematic Manager. MQTT is working great. Everything is much more responsive than previous firmware.

Thanks for this great how-to and for everyone's help.

A few tips :

- I had to reboot my computer after installing SAM-BA software. Otherwise I got an error message when connecting to COM port.
- MQTT Explorer is great to troubleshoot MQTT messages and get the exact topic for all thermostat :

<https://github.com/thomasnordquist/MQTT-Explorer>

I can see that there is the valve percentage is MQTT message, which is great 😊

For the moment I am unable to store a temperature scheduling on my thermostat. As said earlier, I right click on a Thermostat > *MASTER Paramset*. I fill in needed values and then I hit "*Parameter übernehmen und schielßen*". It seems to send the parameters to the thermostat, but I have the wrong temperature in auto mode.

Am I missing something ? Does anybody use this feature ?

What is the purpose of the parameter "*Bitte einen oder mehrere Kanäle awswählen*" in the thermostat paramset ?

I don't speak german at all, so thanks in advance for your help.

**Edit : OK I figured out my mistake :**

Each endtime is actually the number of minutes since 0:00. I thought it was the duration of each time interval.

It is working now 😊

1 Like

---

**Nuick** #148 January 29, 2019, 9:29pm

I have one last feature missing from the original firmware.

On the wall thermostat, I was able to set several parameters :

- Default night and day temperature
  - Display the current temperature instead of the set temperature on the wall thermostats
- Does anyone now if this parameters are available in Homematic Manager ? I wasn't able to find it

Edit :

I also found the solution. You can configure a lot of parameters with MQTT.

I went in Home Assistant services and used mqtt.publish service and the following data :

```
{“topic” : “homegear/climate/set/1/1/SHOW_SET_TEMPERATURE”,
“payload” : “1”}
```

There are clues of all thermostats parameters in homegear max module code :

### Homegear/Homegear-MAX/blob/master/misc/Device Description Files/BC-RT-TRX-CyN.xml

```
<homegearDevice version="1">
  <supportedDevices>
    <device id="BC-RT-TRX-CyN">
      <description>MAX! Radiator Thermostat basic</description>
      <typeNumber>0x1A1</typeNumber>
      <minFirmwareVersion>0x10</minFirmwareVersion>
    </device>
  </supportedDevices>
  <properties>
    <receiveMode>wakeOnRadio</receiveMode>
    <needsTime>true</needsTime>
    <hasBattery>true</hasBattery>
  </properties>
  <functions>
    <function channel="0" type="MAINTENANCE" channelCount="1">
      <properties>
        <internal>true</internal>
      </properties>
      <configParameters>switch_dev_master--0</configParameters>
      <variables>maint_ch_values--0</variables>
    </function>
  </functions>
</homegearDevice>
```

This file has been truncated. [show original](#)

I believe that you can probably configure temperature schedules with MQTT. It should be easy to create a script to configure all schedules using mqtt.

---

**steno** (Stefano) #149 January 30, 2019, 11:01pm

Hi to everybody!

I m very intrested in this project. I've 3 Max! Cube at home (or better in the same Lan) and i would like to flash them with a-culfw firmware. Is then possible to configure the system even with more then one cube?

**swifty** #150 January 31, 2019, 1:05pm

You are probably best off asking at the homegear forums - but I would expect at worst you'd need to run 3x instances of homegear.

At best, just specify the CUNX configuration 3x in the homegear config with different IPs... no idea if it supports that though.

---

**Blaz\_Komat** (Blaž Komat) #151 February 6, 2019, 8:26pm

Today i have flash my max cube with CUL/CUN firmware.

I can not find how i can now learn devices to this flashed cube? Also what i must install on hassio (rpi3)

I have try to install homegear (<https://github.com/yeah/hassio-addons>), but when i klikc install nothing happen.

What must i do to connect max cube (flashed) with hassio?

Thanx for help

---

**Dielee** (Linus Dietz) #152 February 9, 2019, 1:44pm

If someone want the valve opening value in HA.

Have a look at here: <https://forum.homegear.eu/t/valvestate-über-mqtt-oder-rest/2734> and create a rest sensor:

```
- platform: rest
  resource: http://192.168.60.4:2001/api/v1/variable/2/1/VALVE_STATE
  name: ventilwohn
  value_template: '{{ value_json.value }}'
  scan_interval: 30
  force_update: true
  unit_of_measurement: '%'
```

---

**Blaz\_Komat** (Blaž Komat) #153 February 9, 2019, 8:37pm

Great, now i must just figure it how i can pair cun/cul (flashed mx cube) with wall thermostat or radiator valve eq-3? How i can send cun/cul into pairing mode?

---

**bauerj** (Johann Bauer) #154 February 10, 2019, 2:12pm

Blaz\_Komat:

I have try to install homegear (<https://github.com/yeah/hassio-addons> ), but when i klikc install nothing happen.



What's inside the Hass.io log? Click on Hass.io, then System and copy the System log from there. Make sure to refresh it first so it includes recent events.

Blaz\_Komat:

What must i do to connect max cube (flashed) with hassio?

You need to use Homegear to do so. Either install it through Hass.io or on another device.

---

**Blaz\_Komat** (Blaž Komat) #155 February 10, 2019, 9:59pm

Hi, i have firure it no.

I have using wrong addon. Now it work fine.

I have only two more settings that i want to change

- how can i set that wall thermostat show room themperature instead set temperature?
- how can i set that moon on wall thermostat is different degresse?

---

**engineersshab** (shareef) #156 February 14, 2019, 3:18pm

You need to install homegear-max addon. Then configure the CUNX section in the config file /etc/homegear/families/max.conf. After that use pairing to add thermostats or whatever. I tried using the "Homematic Manager" software for that, but I couldn't get it to work. Instead I used homegear CLI (sudo homegear -r) pairing to add thermostats.

---

**ganfoud** #157 March 5, 2019, 4:33pm

Hi all

I'll flash my Cube as soon as I can (I can't stand anymore the Cube reset, as many of us her :D)

I was wondering if any of you used a "home made" thermostat scheduler, as Schedy for example, instead of using Homegear? (A graphical editor would be great though)

---

**taste** (Marc) #158 March 5, 2019, 8:10pm

I did read this post with a lot of interest. Especially using the Cube as CUN device and link t to HA via MQTT. Will try this later when we do not need the heating delay 😊

For everybody struggling with schedules I can advise Schedy: <https://hass-apps.readthedocs.io/en/stable/apps/schedy/> which allows very flexible scheduling directly from homeassistant. Far better as the standard EQ-3 schedules.

Does anybody know if it will be possible to configure the wall thermostats to display the current temperature i.s.o. the set temperature?

**ganfoud** #159 March 6, 2019, 6:56am

From what I understood this is the topic in MQTT for this:  
homegear/climate/set/1/1/SHOW\_SET\_TEMPERATURE

---

**taste** (Marc) #160 March 6, 2019, 7:50am

**@ganfoud** Thanks indeed, I found it: <https://goo.gl/axC1tw>

---

**ganfoud** #161 March 9, 2019, 1:05pm

just flashed mine, everything went fine except that:

- when I tried flashing the firmware, after several minutes it was stuck to 128 bytes transferred. I cancelled the transfer, unplugged everything and tried again, and it worked fine
- my cube does not connect to the network on the switch it was connected before (without issues!). When connected to the router directly or to another switch, it works fine, which is very strange... I'll investigate later.

I have one question though: for those who have a wall thermostat, did you have to pair again the radiator valves to the thermostat? and factory reset both wall thermostat and radiator valve? because it seems my link is broken, and before doing a factory reset, I'd like to be sure it is necessary!

---

**ganfoud** #162 March 15, 2019, 10:01am

Also is there a complete reference of the MQTT commands available? I've the XML reference sheet but it's not clear for me which are the MQTT topics to use...

edit: I found everything there [https://doc.homegear.eu/homegear/communication\\_protocols.html#mqtt](https://doc.homegear.eu/homegear/communication_protocols.html#mqtt)  
and there [https://ref.homegear.eu/device.html?directory=MAX!&file=BC-RT-TRX-CyN.xml&familyLink=max&name=BC-RT-TRX-CyN#affixSubsection0\\_0](https://ref.homegear.eu/device.html?directory=MAX!&file=BC-RT-TRX-CyN.xml&familyLink=max&name=BC-RT-TRX-CyN#affixSubsection0_0)

---

**JohannPie** (Johann Pie) #163 March 14, 2019, 2:20pm

Can someone tell me how long it takes once I open a window (Xiaomi sensors with an Zigbee stick on my raspberry), the radiators react and change the temperature for as long as the window is opened?

Because right now (with the standard firmware), the delay between opening and reacting is like 5-10 minutes, whereas with the original max! sensors, the reaction is immediately.

---

**ganfoud** #164 March 15, 2019, 9:20am

has anybody managed to change the schedule (times and temperature) through MQTT or REST protocol? so far I was only able to do it through homematic manager but that would be great to manage it directly in home assistant

---

**Blaz\_Komat** (Blaž Komat) #165 March 19, 2019, 12:51pm

I have make a autmation that turn off all automation if i set thermostat to manual. Also if I set auto on thermotat all automation turn ON. It work great for now 😊

```
- id: '1550598999708'
  alias: Kuhinja 21:00 10C
  trigger:
    - at: '21:00'
platform: time
condition: []
action:
  - data:
    entity_id: climate.oeq1445313
    temperature: '10'
service: climate.set_temperature
- id: '1550599126420'
  alias: KUHINJA 23:00 10C
  trigger:
    - at: '23:00'
platform: time
condition: []
action:
  - data:
    entity_id: climate.oeq1445313
    temperature: '10'
service: climate.set_temperature
- id: '1550599227835'
  alias: Kuhinja auto
```

---

**ganfoud** #166 March 21, 2019, 7:08am

I have an issue with my flashed cube: I had an unexpected reboot of the raspberry pi on which homegear is installed (different of the hole assistant one)

Since then homegear is not working (loop at startup) with MQTT activated and the cube does not appear in homegear anymore.

I've tried to reinstall completely homegear, also on a different Pi, either with complete distribution or Docker install, I still have the issue...

I'm considering flashing the Cube again, but I'm really confused since it was a homegear issue, not a cube issue at the beginning... Any idea before o flash again? (I was thinking I was done with wasting time on that cube...!)

---

**ganfoud** #167 March 24, 2019, 3:24pm

ok I think my cube is dead... it appears on the network, but impossible to see it through Homegear.

I tried a complete flash, but nothing different... And I tried with 2 brand new installs of Homegear on 2 different machines.

**taste** (Marc) #168 March 26, 2019, 8:26pm

You can try to telnet to it with the command: telnet 2323 if it connects you can give the command V to get the version of the SW inside.

Tip if you use your PC to power the cube it does not work probably because the Cube sees the USB connection so you need to use a separate power supply.

---

**ganfoud** #169 March 28, 2019, 11:07am

Hi thanks for your answer

The cube is powered through its own power supply  
and the telnet command gives this:

```
V 1.26.04_nocredits a-culfw Build: private build (unknown) CUBe (F-Band: 868MHz)
```

---

**taste** (Marc) #170 March 28, 2019, 7:31pm

**@ganfoud** This look okay same I get so the flashing did work.

Did you install the Max family extension ( sudo apt install homegear-max)  
and set homematic-mager to connect to your server not the cube?

---

**ganfoud** #171 March 28, 2019, 9:22pm

**@taste** Yes sir the extension is installed and configured with the correct address  
and homematic manager points to the correct homegear install (it used to work!)

---

**ganfoud** #172 March 30, 2019, 9:02am

so it seems the Cube is working then

I confirmed via telnet the IP (anyway the telnet command wouldn't work if I had used the wrong IP)

so I guess it can be a Homegear issue

I've posted on the Homegear forum but no answer in 10 days...

here is my max.conf file:

```
----- MAX! -----
```

```
#####  
##### General Settings #####  
#####
```

```
[General]
```

```
moduleEnabled = true
```

```
## The MAX! address of Homegear. It is recommended to change this to a random 3 byte hex
```

```
## value starting with 0xFD (e. g. 0xFD43AB). Only change this, when no MAX! devices
## are paired to Homegear as existing pairings will not work anymore!
#centralAddress = 0xFD0001
```

```
#####
##### CUL #####
#####
```

```
## The device family this interface is for
#[CUL]
```

I'm not sure about the centralAddress parameter, however it was not set in my previous working setup...

---

**Dielee** (Linus Dietz) #173 March 30, 2019, 3:01pm

My config looks like this:

```
[CUNX]
id = Max-CUNX
default = true
deviceType = cunx
host = 192.168.60.12
port = 2323
responseDelay = 40
```

is your homegear service running ?

What is the output from:

```
service --status-all | grep homegear
```

And whats is in your homegear.conf ?

EDIT: I found your thread at homegear forums.

Your log says "Signal 11 received.", this kills your homegear and restarts.

Please uninstall homegear completely, remove all configs an reinstall version 0.8.

<https://homegear.eu/downloads.html?version=0.8>

---

**ganfoud** #174 March 30, 2019, 3:27pm

ok so the config seems ok

service is running

I tried 2 different installs (both from scratch), one in docker with version 0.8 and a "standard" one with 0.7.38  
on the standard one, your command gives:

```
[ + ] homegear
[ + ] homegear-management
```

and service homegear status gives:

- homegear.service - Homegear  
Loaded: loaded (/lib/systemd/system/homegear.service; enabled; vendor preset: enabled)

```

Active: active (running) since Thu 2019-03-28 07:34:40 GMT; 2 days ago
Process: 386 ExecStartPre=/etc/homegear/homegear-start.sh (code=exited, status=0/SUCCESS)
Main PID: 403 (homegear)
CGroup: /system.slice/homegear.service
└─ 403 /usr/bin/homegear -u homegear -g homegear -p /var/run/homegear/homegear
   └─ 12185 homegear -c /etc/homegear/ -rse

```

```

Mar 28 07:34:38 raspberrypi systemd[1]: Starting Homegear...
Mar 28 07:34:40 raspberrypi homegear-start.sh[386]: Could not set permissions on /var/lib/
Mar 28 07:34:40 raspberrypi homegear-start.sh[386]: Could not set permissions on /var/lib/
Mar 28 07:34:40 raspberrypi systemd[1]: Started Homegear.
Mar 28 07:34:43 raspberrypi homegear[403]: 03/28/19 07:34:43.168 Loading RPC server settin
Mar 28 07:34:43 raspberrypi homegear[403]: 03/28/19 07:34:43.181 Loading RPC client settin

```

and on both installs I can access the homegear page

I can't find a homegear.conf, do you mean main.conf?  
here is the content:

```

# See for more details: https://doc.homegear.eu/data/homegear/configuration.html#main-co

# Default: runAsUser = root
# runAsUser = homegear

# Default: runAsGroup = root
# runAsGroup = homegear

# Set the debug log level
# 0=none, 1=critical, 2=error, 3=warning, 4=info, 5=debug, >5=more debug information
# Default: 4
debugLevel = 4

# Default: memoryDebugging = false
memoryDebugging = true

# Prints log information helping in fixing errors
# Default: devLog = false
devLog = false

# Set to false to disable core dumps. Currently to make fixing errors easier, core dumps
# Default: enableCoreDumps = true
enableCoreDumps = true

```

the signal 11 received error appears only when I activate MQTT (which also did work fine before), this is an issue but since I can't see the cube in homegear, it is a secondary issue for now...

(and thanks to all for your help!)

---

**Dielee** (Linus Dietz) #175 March 30, 2019, 3:50pm

Config seems right...  
Do you use ufw or something else ?

ganfoud #176 March 30, 2019, 4:38pm

I don't know what ufw is, so I guess I don't?

Dielee (Linus Dietz) #177 March 30, 2019, 4:43pm

UFW is a simple firewall application: <https://wiki.ubuntuusers.de/ufw/>  
What is the output from netstat -l ?

ganfoud #178 March 30, 2019, 7:46pm

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State
tcp	0	0	0.0.0.0:ssh	0.0.0.0:*	LISTEN
tcp6	0	0	:::ssh	:::*	LISTEN
tcp6	0	0	localhost:cisco-sccp	:::*	LISTEN
tcp6	0	0	:::2001	:::*	LISTEN
tcp6	0	0	:::2002	:::*	LISTEN
udp	0	0	0.0.0.0:mdns	0.0.0.0:*	
udp	0	0	0.0.0.0:bootpc	0.0.0.0:*	
udp	0	0	239.255.255.250:1900	0.0.0.0:*	
udp	0	0	0.0.0.0:33146	0.0.0.0:*	
udp6	0	0	:::mdns	:::*	
udp6	0	0	:::dhcpv6-client	:::*	
udp6	0	0	:::49477	:::*	
raw6	0	0	:::ipv6-icmp	:::*	7

Active UNIX domain sockets (only servers)

Proto	RefCnt	Flags	Type	State	I-Node	Path
unix	2	[ ACC ]	STREAM	LISTENING	8960	/var/run/dhcpd.sock
unix	2	[ ACC ]	STREAM	LISTENING	8962	/var/run/dhcpd.unpriv.sock
unix	2	[ ACC ]	STREAM	LISTENING	8195	/var/run/avahi-daemon/socket
unix	2	[ ACC ]	STREAM	LISTENING	8198	/var/run/dbus/system_bus_socket
unix	2	[ ACC ]	STREAM	LISTENING	8201	/run/thd.socket
unix	2	[ ACC ]	STREAM	LISTENING	6434	/run/systemd/fsck.progress
unix	2	[ ACC ]	STREAM	LISTENING	62814	/run/user/1000/systemd/privat
unix	2	[ ACC ]	STREAM	LISTENING	62815	/run/user/1000/systemd/privat

Dielee (Linus Dietz) #179 April 1, 2019, 8:11am

Your homegear is simply not running.  
Something like this is missing:

tcp 0 0 192.168.60.4:36845 0.0.0.0:\* LISTEN

Try homegear only with default config and look if this port appears at your using ports list.

**ganfoud** #180 April 4, 2019, 6:26pm

ok I just tried a reinstall of homegear (from repository, version 0.7.39) on a brand new install of raspbian stretch, nothing else, no family module, no config changed and I have this output with `netstat -l`:

Active Internet connections (only servers)

Proto	Recv-Q	Send-Q	Local Address	Foreign Address	State
tcp	0	0	0.0.0.0:ssh	0.0.0.0:*	LISTEN
tcp6	0	0	:::ssh	:::*	LISTEN
tcp6	0	0	localhost:cisco-sccp	:::*	LISTEN
tcp6	0	0	:::2001	:::*	LISTEN
tcp6	0	0	:::2002	:::*	LISTEN
udp	0	0	0.0.0.0:mdns	0.0.0.0:*	
udp	0	0	0.0.0.0:bootpc	0.0.0.0:*	
udp	0	0	239.255.255.250:1900	0.0.0.0:*	
udp	0	0	0.0.0.0:34736	0.0.0.0:*	
udp6	0	0	:::mdns	:::*	
udp6	0	0	:::38678	:::*	
udp6	0	0	:::dhcpv6-client	:::*	
raw6	0	0	:::ipv6-icmp	:::*	7

Active UNIX domain sockets (only servers)

Proto	RefCnt	Flags	Type	State	I-Node	Path
unix	2	[ ACC ]	STREAM	LISTENING	37178	/var/run/homegear/homegearSE.
unix	2	[ ACC ]	STREAM	LISTENING	18236	/run/systemd/private
unix	2	[ ACC ]	STREAM	LISTENING	37190	/var/run/homegear/homegearFE.
unix	2	[ ACC ]	STREAM	LISTENING	37192	/var/run/homegear/homegearIPC
unix	2	[ ACC ]	STREAM	LISTENING	9341	/var/run/dhcpd.sock
unix	2	[ ACC ]	STREAM	LISTENING	9343	/var/run/dhcpd.unpriv.sock

**Dielee** (Linus Dietz) #181 April 5, 2019, 6:34am

I don't know whats happening but your homegear still not running homegear correctly...  
Port 36845 is still missing.

You installed from repository, have you choosen the right installer ?  
There is an extra installer fo raspbian, just sayin...

Also try to install the 0.8 nightly with admin webinterface.

**ganfoud** #182 April 5, 2019, 10:16am

When I say from repository, I meant I did it through `apt-get install homegear`, as indicated in the documentation

I'll try 0.8.0 again and let you know, thanks for your help anyway!



---

**ganfoud** #183 April 7, 2019, 7:46pm

Tried with 0.8.0, no change in the output of `netstat -l`

I also tried a docker container, on a different raspberry pi, and still no 36485 port...

Could it be a Raspberry Pi incompatibility? it used to work with no trouble the first time, how can it be!?

---

**Dielee** (Linus Dietz) #184 April 8, 2019, 6:22am

No RPI incompatibility, mine is working fine on an RPI 3...

Try to get help at the homegear forums.

---

**capfirepants** #185 April 8, 2019, 12:34pm

Hi All. I've been reading the thread and have seen multiple entries with links to docker images to run on [hass.io](https://hass.io).

Can someone recommend the best image to run on the pi? Im a running a pi3 b+

---

**ganfoud** #186 April 9, 2019, 7:48am

Dielee:

Try to get help at the homegear forums

I did, but with no answer for the moment...

---

**capfirepants** #187 April 10, 2019, 6:33pm

I've actually now tried both addons I found, from stefangries / [@AndrejDelany](#) and from kreativmonkey.

With the first, I get the following error at startup:

id: 'homegear': no such user

id: 'homegear': no such user

chown: invalid user: 'homegear:homegear'

cp: cannot stat '/var/lib/homegear/\*': No such file or directory

chown: invalid user: 'homegear:homegear'

homegear: unrecognized service

homegear-management: unrecognized service

homegear-influxdb: unrecognized service

With the second, nearly the same:

```
chown: invalid user: 'homegear:homegear'
```

```
cp: cannot stat '/var/lib/homegear.data/*': No such file or directory
```

```
chown: invalid user: 'homegear:homegear'
```

```
homegear: unrecognized service
```

```
homegear-management: unrecognized service
homegear-influxdb: unrecognized service
```

any thoughts?

---

**AndrejDelany** #188 April 11, 2019, 7:15am

Hi **@capfirepants** ,

I just pushed an update to my repo, please try again.



**stefangries/hassio-addons**

Addons for HomeAssistant's HassIO. Contribute to stefangries/hassio-addons development by creating an account on GitHub.

With this version, I have verified the functioning a few days ago with the standard hassio image on RaspberryPi 3.

---

**capfirepants** #189 April 11, 2019, 9:38am

Thanks. I wasn't able to get the new version, I get this error in the logs:

```
19-04-11 09:31:16 WARNING (MainThread) [hassio.addons.data] Can't read
/data/addons/git/bdf3b3e1/homegear/config.json: required key not provided @ data['arch'].
Got None
```

I think the following key needs to be added to the config.json

```
"arch": ["armhf"]
```

Edit: Confirmed, manually adding the key makes it work

---

**AndrejDelany** #190 April 11, 2019, 9:52am

Great. I just added this to the repo.

---

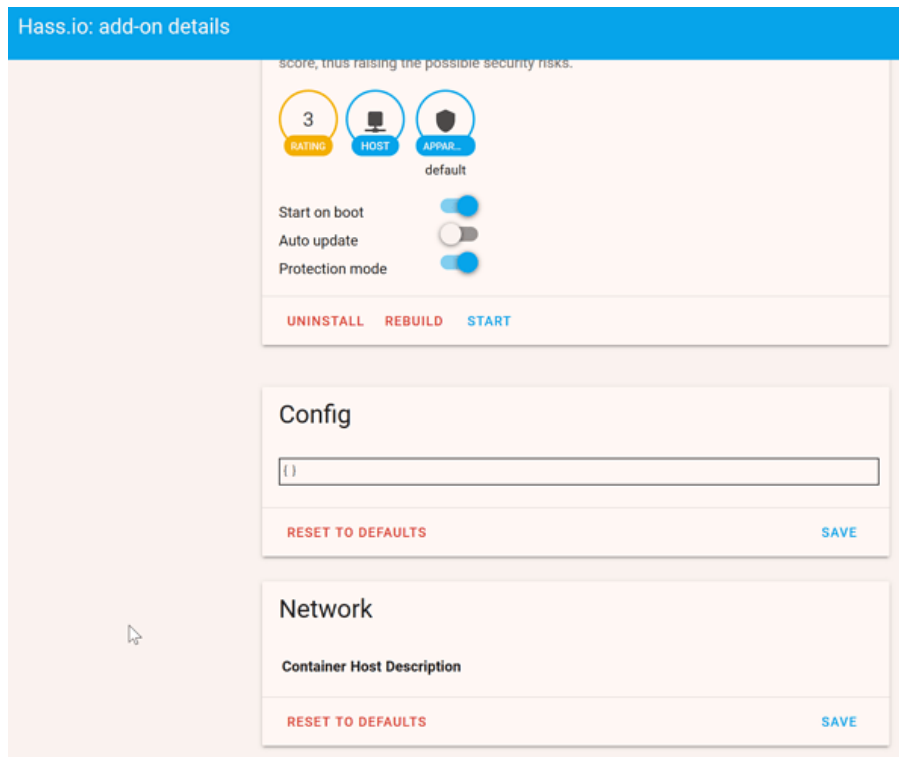
**capfirepants** #191 April 13, 2019, 4:07pm

Thanks for the update - trying to start, I get the following error message now:

```
19-04-11 10:50:12 INFO (SyncWorker_11) [hassio.docker.addon] Build 69c7aa1d/armv7-addon
19-04-11 10:50:16 ERROR (SyncWorker_12) [hassio.docker] Can't start addon_69c7aa1d_home
19-04-11 10:50:23 INFO (SyncWorker_2) [hassio.docker.interface] Clean addon_69c7aa1d_hc
```

If I understand correctly this is a [hass.io](https://github.com/hassio-addons/addon-node-red/issues/62) error, might be similar to this: <https://github.com/hassio-addons/addon-node-red/issues/62>

Also, there are no ports being shown in the [hass.io](https://hass.io) overview:



Edit2: I forked your code and removed the line about usbttty0 from the config.json. I was able to start the server now, but it says /admin is missing when trying to access the server.

# Not Found

The requested URL `admin/` was not found on this server.

*Homegear 0.7.39-2773 at Port 2001*

Startup log:

```
04/11/19 14:12:23.110 Starting IPC server...
04/11/19 14:12:23.146 Startup complete. Waiting for physical interfaces to connect.
04/11/19 14:12:23.146 Info: Waiting for physical interfaces to connect (0 of 180s).
04/11/19 14:12:23.146 All physical interfaces are connected now.
04/11/19 14:12:23.147 Starting UPnP server...
04/11/19 14:12:23.149 Info: Created new UPnP UDN: 7BBA71A2-15E3-F266-9388-E39EECDDB740
04/11/19 14:12:23.150 Info: UPnP server: Binding to address: 192.168.99.30
04/11/19 14:12:23.150 UPnP Server: Info: Started listening.
04/11/19 14:12:23.427 IPC Server: Info: Connection accepted. Client number: 7
04/11/19 14:12:23.850 IPC Server: Info: Connection accepted. Client number: 8
04/11/19 14:12:23.852 IPC Server: Info: Client 1 successfully registered RPC method "inf
04/11/19 14:12:23.855 IPC Server: Info: Client 1 successfully registered RPC method "inf
04/11/19 14:12:23.857 IPC Server: Info: Client 1 successfully registered RPC method "inf
04/11/19 14:12:23.859 IPC Server: Info: Client 1 successfully registered RPC method "inf
04/11/19 14:12:23.861 IPC Server: Info: Client 1 successfully registered RPC method "inf
04/11/19 14:12:23.863 IPC Server: Info: Client 1 successfully registered RPC method "inf
```

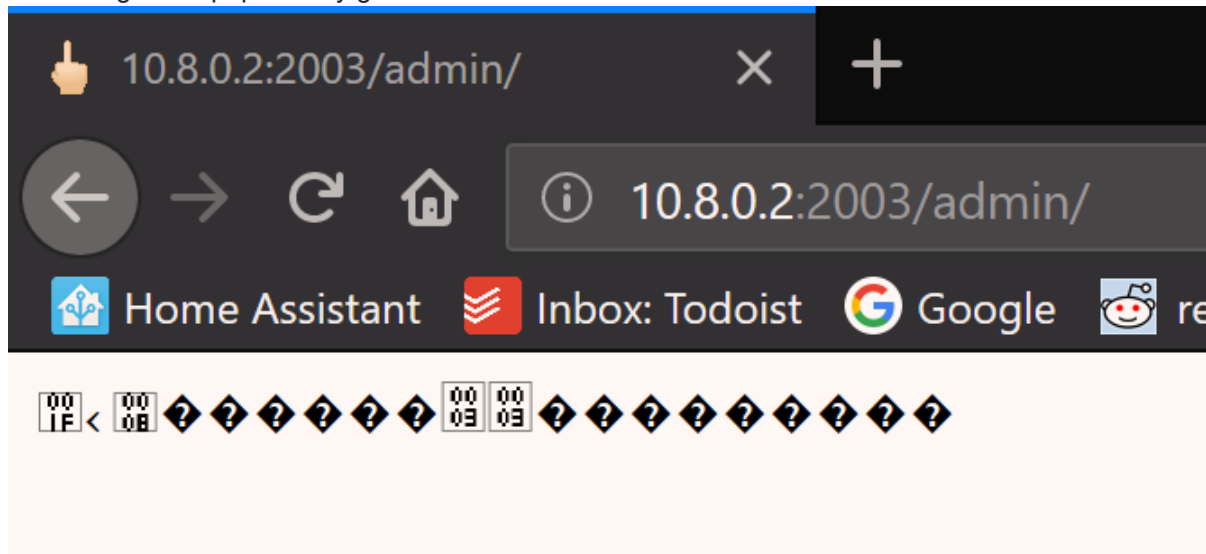
```

04/11/19 14:12:24.300 IPC Server: Info: Client 0 successfully registered RPC method "man
04/11/19 14:12:24.302 IPC Server: Info: Client 0 successfully registered RPC method "man
04/11/19 14:12:24.304 IPC Server: Info: Client 0 successfully registered RPC method "man
04/11/19 14:12:24.305 IPC Server: Info: Client 0 successfully registered RPC method "man
04/11/19 14:12:24.307 IPC Server: Info: Client 0 successfully registered RPC method "man
04/11/19 14:12:24.308 IPC Server: Info: Client 0 successfully registered RPC method "man
04/11/19 14:12:24.310 IPC Server: Info: Client 0 successfully registered RPC method "man

```

Another edit:

Accessing index.php directly gives me this:



Yet another edit: Looks like the adminui is missing. Do I need to add it somehow or is this by design?

```

Script Engine Server: Error: Could not execute script: Script file does not exist:
/share/homegear/lib/homegear/admin-ui/public/index.php

```

Last Edit for this post: Finally got it to work. There is no config or ports on the addon overview page. All files can be edited from the share if you install the smb addon. I think there is no frontend, I just used the homematic manager like suggested in the first post. All works now!

1 Like

**ctreu** (Christian) #192 April 12, 2019, 1:22pm

Hey,

I am a little bit stucked: I can't really save the config (everytime I hit "start", the config code is erased). Is there something wrong in my syntax or is there another way to add the config and run the homegear server?

I am using [hass.io](https://hass.io) v0.91.3.

Thanks a lot

Start on boot

Auto update

Protection mode

UNINSTALL

REBUILD

START

## Config

```
{
  "CUNX": {
    "id": "Max-CUNX",
    "default": true,
    "deviceType": "cunx",
    "host": "192.168.178.20",
    "port": "2323",
    "responseDelay": "40"
  }
}
```

RESET TO DEFAULTS

SAVE

**capfirepants** #193 April 13, 2019, 3:54pm

You have to edit the config files in /config/homegear/families. Create / edit the max.conf there.

> Network > 10.8.0.2 > config > homegear > families				
Name	Date modified	Type	Size	
homematicbidcos.conf	4/11/2019 12:48 PM	CONF File	10 KB	
max.conf	4/11/2019 5:36 PM	CONF File	1 KB	

**ctreu** (Christian) #194 April 13, 2019, 8:15pm

Hi,

Thanks for the hint, but in my case there isn't any folder like homegear in the /config. We are talking about the same folder where configurations.yaml or automations.yaml is stored, right?

I installed the add on via [Hass.io](https://hass.io), but when I try to start, it doesn't (after a couple after clicking of seconds the 'start' link is marked red) and there is no folder created. Do I have to do this manually?

Greetings

**maaxx** #195 May 5, 2019, 3:37pm

hi everyone,

thanks for the instructions and all the advices. After a while, now it works so far but I'm still struggling to control multiple thermostats in one room. I've already tried to combine them together in a group, etc. But without any success. Has anyone any ideas for me how to set the mode and temperature for 2+ thermostats only at one thermostat at the frontend? I'm very happy for any suggestions.

I control them via HomeGear and mqtt and running [hass.io](https://hass.io) 0.91.4.

---

**Blaz\_Komat** (Blaž Komat) #196 May 13, 2019, 5:52am

Hi. I made new installation of hassio (92.2). Now i install homegear and when I try to start in. Start button only marked red after few seconds. Does anyone have same problem? I have make setting for cun in config/homegear/

I use only cun connected via USB

EDIT

I have also notice that addon does not make folder Homegear.

---

**Blaz\_Komat** (Blaž Komat) #197 May 15, 2019, 8:11am

Hi, ctreu, did you solve problem? I have same problem, addon does not create folder and i can not start up addon.

---

**ctreu** (Christian) #198 May 17, 2019, 7:43am

Hey,

I just reinstalled and made a "hard" restart (plug off the raspi). Suddenly the folder appeared 😊

Greetings

---

**Klagio** (Klagio) #199 May 19, 2019, 5:03pm

I can't install it on 93.1 on a nuc (is reddish).

This add-on is not available on your system.

It happened with other addon, and my understanding is that can be fixed easily (like adding the different proccessor), but I do not know how to do this

---

**Blaz\_Komat** (Blaž Komat) #200 May 19, 2019, 7:07pm

I can install addon on hassio 93.1 (on rpi3)

But when i try to start up i get log like this

19-05-19 19:06:24 ERROR (SyncWorker\_1) [hassio.docker] Can't start  
addon\_69c7aa1d\_homegear: 500 Server Error: Internal Server Error ("linux runtime spec  
devices: error gathering device information while adding custom device "/dev/ttyUSB0": no  
such file or directory")

Anyone have idea why?

---

**AndrejDelany** #201 May 20, 2019, 7:50am

You can fix this by removing line 25-26 in the following file:

**stefangries/hassio-addons/blob/master/homegear/config.json**

```
{
  "name": "Homegear",
  "version": "0.3.1",
  "slug": "homegear",
  "description": "Homegear Hassio add-on",
  "url": "https://github.com/stefangries/hassio-addons/homegear",
  "startup": "before",
  "boot": "auto",
  "host_network": true,
  "arch": ["armhf"],
  "privileged": [
    "SYS_ADMIN",
    "SYS_RAWIO"
  ],
  "map": ["config:rw", "share:rw"],
  "ports": {
  },
  "environment": {
  },
  "options": {
```

This file has been truncated. [show original](#)

Follow this tutorial to install a downloaded copy of the repo:

[https://developers.home-assistant.io/docs/en/hassio\\_addon\\_tutorial.html](https://developers.home-assistant.io/docs/en/hassio_addon_tutorial.html)

---

**AndrejDelany** #202 May 20, 2019, 7:51am

Its ARM only. It can easily be extended for x86, but I currently have no time to do this.

---

**Klagio** (Klagio) #203 May 20, 2019, 1:06pm

AndrejDelany:

Its ARM only.

adding proper processor in line 10?

```
"arch": ["armhf"],
```

I changed it

```
"arch": ["armhf", "armv7", "aarch64", "amd64", "i386"],
```

and made a fork, testing now.

EDIT, not working 😊 I guess is more then that

**maaxx** #204 May 21, 2019, 1:26pm

Every step of the description worked more or less well, but I'm struggeling at the last step, the integration of the homematic component into hassio. When I copy this into my config and restart the system, nothing happens.

*"Now all your devices are added in HomeGear, we can finally get them into HomeAssistant - you should also see them listed if you hit the HomeGear server again at [http://<HOMEGEAR\\_IP>:2001](http://<HOMEGEAR_IP>:2001)*

*Add the following to your Home Assistant configuration.yaml:-*

*homematic:*

- local\_ip: <HOME\_ASSISTANT\_IP>\*
- local\_port: 36845\*
- interfaces:\*
- wireless:\*
  
- host: <HOMEGEAR\_IP>\*
  
- port: 2001\*
  
- callback\_ip: <HOME\_ASSISTANT\_IP>\*
  
- callback\_port: 36845\*
  
- resolvable\_names: json\*
  
- username: <HOMEGEAR\_USER>\*
  
- password: <HOMEGEAR\_PASS>\*

*Restart Home Assistant once added - you should now magically see a bunch of homematic devices appear which correlate with your HomeGear devices.*

*Note, my device friendly names didn't pull through from HomeGear to HA - I've not looked into this yet, but I simply used the serial numbers to determine which device was which (since the serial is displayed next to the*



*friendly name I assigned in HomeMatic Manager).*

*Then I added a friendly name using the UI in Home Assistant."*

Even after an hour no thermostats appear. Has anyone any suggestions or hints? Thanks and best regards. I run Hassio 0.91.4. and homegear both on the same Pi.

---

**ganfoud** #205 June 16, 2019, 8:52am

Hi,

I noticed my wall thermostats time is not right so it messes up my schedule (fortunately we're in summer!)

I can't manage to set it via the thermostat itself, any idea how I should do it?

thanks!

---

**ganfoud** #206 July 2, 2019, 6:09pm

Is there an alternative to homegear? I'm having a lot of trouble with homegear, so would like to try anything else if possible...

---

**Blaz\_Komat** (Blaž Komat) #207 August 5, 2019, 8:45pm

Hi,

this is my log when it try to start homegear. Seems like ther is no permition to some folder?

Also it always stop a this line

Determining maximum thread count...

```
LOS10
```

```
Generating RSA private key, 2048 bit long modulus
```

```
.....+++++
```

```
.....
```

```
e is 65537 (0x010001)
```

```
Signature ok
```

```
subject=C = AU, ST = Some-State, O = Internet Widgits Pty Ltd
```

```
Getting Private key
```

```
Generating DH parameters, 1024 bit long safe prime, generator 5
```

```
This is going to take a long time
```

```
.....+
```

```
DH parameters appear to be ok.
```

```
chmod: cannot access '/var/lib/homegear/db.sql': No such file or directory
```

```
/etc/init.d/homegear: line 94: ulimit: real-time priority: cannot modify limit: Operatio
```

```
Starting Homegear: homegear08/05/19 22:26:21.967 Loading RPC server settings from /etc/h
```

```
08/05/19 22:26:21.996 Loading RPC client settings from /etc/homegear/rpcclients.conf
```

```
08/05/19 22:26:22.045 Info: Setting allowed core file size to "4294967295" for user with
```

```
08/05/19 22:26:22.046 Info: Core file size now is "4294967295".
```

```
08/05/19 22:26:22.046 Info: Setting maximum thread priority to "0" for user with id 0 an
```

```
08/05/19 22:26:22.046 Info: Maximum thread priority now is "0".
```

```
08/05/19 22:26:22.048 Info: Setting allowed core file size to "4294967295" for user with
```

```
08/05/19 22:26:22.049 Info: Core file size now is "4294967295".
```

---

**tantararin** (David Gómez Isarría) #208 August 26, 2019, 3:08pm

```
{
  "name": "Homegear",
  "version": "latest",
  "slug": "homegear",
  "image": "homegear/homegear",
  "description": "Homegear",
  "url": "https://hub.docker.com/r/homegear/homegear/",
  "startup": "before",
  "boot": "auto",
  "ports": {
    "2001/tcp": 2001,
    "2002/tcp": 2002,
    "2003/tcp": 2003
  },
  "environment": {
  },
  "arch": [
    "aarch64",
    "amd64",
    "armhf",
    "armv7",
    "i386"
  ],
  "options": {
  },
  "schema": {
  }
}
```

---

**dewgenenny** (Dewgenenny) #209 August 28, 2019, 9:44am

I converted my Cube to a-culfw, however was quite disappointed how infrequently the thermostat devices would send in a temperature update - not nearly often enough to be able to make reliable automations based on the inputs.

FWIW I don't have any wall thermostats, which I understand fixes this problem.

To get around it, I have written a small program that connects to HA and gets the devices, then connects to Homegear/MQTT and regularly changes the target temperature by 0.5 degrees +/- , which forces the thermostat to send an actual temperature update.

If anyone's interested, I'll be happy to tidy it up and share (even made a docker image for it :))

1 Like

---

**Klagio** (Klagio) #210 September 8, 2019, 5:02pm

Now my second winter, and second attempt at flashing the Cube. Before flashing wish to install everything on HASSIO on my NUC

I followed the instructions of creating a config.json file in /addon/Homegear

but still I get

This add-on is not available on your system, when I add



### stefangries/hassio-addons

Addons for HomeAssistant's HassIO. Contribute to stefangries/hassio-addons development by creating an account on GitHub.

## Homegear

0.3.1

Homegear Hassio add-on.

Visit [Homegear page](#) for details.



This add-on is not available on your system.

INSTALL

**Blaz\_Komat** (Blaž Komat) #211 September 15, 2019, 4:11pm

I have same problem, I can install homegear but newer succed to start it. I use rp3

**Blaz\_Komat** (Blaž Komat) #212 September 19, 2019, 6:24am

Does anyone success to install homegear in fresh instaled hassio?

**ganfoud** #213 September 28, 2019, 5:09pm

hi all

I have trouble with the flashed firmware : it seems the communication b/w the wall thermostat and/or the cube is failing and it has consumed a whole set of batteries in 1 month where the previous ones lasted almost 1 year, and nothing have changed (position or composition)

do you know if there is a forum related to this firmware where I could get specific help?

thanks!

**Jaroslav\_Walaszty** (Jarosław Wałaszty) #214 October 2, 2019, 7:36pm

Hi,

I have successfully flashed maxcube, i have installed homegear (from deb package) on linux (without docker container).

Now i try to pair but without any success, nothing shows up when i try to pair devices (wall radiators thermostat Basic)

Cube reply for a ping,

```
#####
##### CUNX #####
#####
```

```
## The device family this interface is for
[CUNX]
```

```
## Specify an unique id here to identify this device in Homegear
id = Jarcik
```

```
## When default is set to "true" Homegear will assign this device to new peers.
default = true
```

```
## Options: cul, cc1100, coc, cunx, hmcfglan, hmlgw
deviceType = cunx
```

```
## IP address of your CUNX
host = 192.168.2.6
```

```
## Port number your CUNX listens on. Normally 2323.
port = 2323
```

```
## Default: responseDelay = 95 ; Should be "40" for CUNX
```

Application Edit

Geräte Verknüpfungen Funk RPC Konsole Servicemeldungen (0) Ereignisse 192.168.2.11 BidCoS-RF ✓

SENDER Name	SENDER	TYPE	RECEIVER Name	RECEIVER

Application Edit

Geräte Verknüpfungen Funk RPC Konsole Servicemeldungen (0) Ereignisse 192.168.2.11 BidCoS-RF ✓

ADDRESS	DESCRIPTION	TYPE	FIRMWARE
VMC0000001	Homegear default BidCoS interface		

Name	ADDRESS	TYPE	INTERFACE	RF_ADDRESS	ROAMING	VMC0000001 (Homegear default BidCoS int <- dBm -> dBm)

+ VMC0000001

What I'm doing wrong?

**Blaz\_Komat** (Blaž Komat) #215 October 3, 2019, 5:14am

From what repost did you install homegear?

---

**Jaroslav\_Walaszczyn** (Jarosław Wałaszczyn) #216 October 3, 2019, 12:58pm

I've used this tutorial -> [https://homegear.eu/downloads.html?version=0.7&system=debian\\_stretch](https://homegear.eu/downloads.html?version=0.7&system=debian_stretch)

---

**Blaz\_Komat** (Blaž Komat) #217 October 3, 2019, 1:23pm

So you have installed only homegear on one rpi?

Or you have instelled both to same rpi? (hassio and homegear)?

---

**ganfoud** #218 October 3, 2019, 6:58pm

have you checked the logs of homegear?

---

**Jaroslav\_Walaszczyn** (Jarosław Wałaszczyn) #219 October 3, 2019, 7:58pm

I'm not using rpi

---

**Jaroslav\_Walaszczyn** (Jarosław Wałaszczyn) #220 October 3, 2019, 8:13pm

Hi Ganfound,

There is nothing in the logs what could be suspicious. logs contains my try of pairing Cube with thermostat

logs from homegear.log i have pasted here -> <https://pastebin.com/bx4AFSaj>

homegear.err

```
10/03/19 22:01:09.698 Warning: Unknown node in "parameter": logicalFloat
10/03/19 22:01:09.698 Warning: Unknown node in "parameter": logicalFloat
10/03/19 22:01:09.699 Warning: Unknown node in "parameter": logicalFloat
10/03/19 22:01:09.700 Warning: configParameters with id "config" does not exist.
10/03/19 22:01:09.707 RPC Server (Port 2000): Error: For a family RPC server to listen on
10/03/19 22:01:09.714 RPC Server (Port 2001): Warning: SSL is not enabled for this RPC ser
10/03/19 22:01:09.714 RPC Server (Port 2001): Warning: RPC server has no authorization ena
10/03/19 22:01:09.721 RPC Server (Port 2002): Warning: RPC server has no authorization ena
10/03/19 22:03:13.607 UPnP Server: Error in file UPnP/UPnP.cpp line 239 in function void H
10/03/19 22:03:13.607 UPnP Server: Error in file UPnP/UPnP.cpp line 239 in function void H
10/03/19 22:03:13.607 UPnP Server: Error in file UPnP/UPnP.cpp line 239 in function void H
10/03/19 22:03:13.607 UPnP Server: Error in file UPnP/UPnP.cpp line 239 in function void H
10/03/19 22:03:13.608 UPnP Server: Error in file UPnP/UPnP.cpp line 239 in function void H
10/03/19 22:03:13.608 UPnP Server: Error in file UPnP/UPnP.cpp line 239 in function void H
10/03/19 22:03:13.608 UPnP Server: Error in file UPnP/UPnP.cpp line 239 in function void H
```

10/03/19 22:03:13.608 UPnP Server: Error in file UPnP/UPnP.cpp line 239 in function void H

---

**Jaroslav\_Walaszczyn** (Jarosław Wałaszczyn) #221 October 3, 2019, 8:21pm

I have figure out i did not install extension **homegear-max** , now it's working and I'am able to pair.

---

**swieprecht** #222 October 5, 2019, 11:11pm

Hi, I've just taken the plunge and moved across to a CUN. I'm not good enough for doing it all via MQTT yet I dont think so went the Homematic Route. All showing in HA which is awesome but I have two (just one left) instant issues:

1. Google Home wont talk to the devices - they show as active in states and report current temperature, but google says device unavailable.

Help greatly appreciated

---

**phipe** #223 November 26, 2019, 8:27pm

Probably me being blind and cannot find it in the postings above, but how do you set a static ip on the flashed EQ-3 Max! Cube ?

---

**ganfoud** #224 December 1, 2019, 1:31pm

in your router settings!

---

**steno** (Stefano) #225 December 4, 2019, 3:12am

Hi guys,

i'm starting this project! Winter is coming 🌨️😊

I would like to ask which is the difference between these two Homegear addon:

<https://github.com/kreativmonkey/hassio-addons> by @kreativmonkey

and this

<https://github.com/stefangries/hassio-addons> by @stefangries

Anyway, i've problems with both.

I'm runnning Hassio on a Raspberry PI

With the first one i'm having this problem:

```
19-12-04 02:37:57 WARNING (MainThread) [hassio.store.data] Can't read /data/addons/git/441
19-12-04 02:37:57 WARNING (MainThread) [hassio.store.data] Can't read /data/addons/git/441
```

So should be easy to be fixed, json only miss arch property.

With the second one, i'm able to install it but when i try to start it i get:

```
19-12-04 02:19:37 ERROR (SyncWorker_2) [hassio.docker] Can't start addon_69c7aa1d_homegear
```

---

**phipe** #226 December 8, 2019, 4:53pm

OK, had a hope it was possible on the box and not using dhcp reservation in the router. But thanks 😊

---

**steno** (Stefano) #227 December 8, 2019, 11:09pm

so thanks to **@capfirepants** and **@swiftly** i've been able to set up everything. Now i'll have to repeat this procedure with others cubes (in different houses).

And i'll try with the "2 cubes configuration" in one of these.

Anyway i saw that MQTT seem more convenient then homematic integration. Why? Only to avoid to have one more layer or there is some difference within performance?

I've around 70 valves to configure and homematic configuration is much faster and i would prefer this.

---

**kreativmonkey** (Sebastian) #228 December 10, 2019, 10:28am

Hi everyone,

excuses the long absence. It didn't go so well for me the last year, but that's about to change. At the moment I don't have a cube in use, but I want to get it up running and then I'll actively deal with the add-on again. Does anyone want to work on the add-on together?

---

**kreativmonkey** (Sebastian) #229 December 11, 2019, 10:14pm

I have updated and repaired the Homegear add-on. Please test the add-on on your configuration. It should work on raspberry-pi (tested) and on amd64 (I haven't tested it yet). The installation will take a while, after entering the Webui for the first time you will be prompted to enter a new password.

I have completely restructured my repository so you don't have to choose different versions for the architectures. If something goes wrong, please tell me.



### **kreativmonkey/hassio-addons**

Hassio add-ons for my home automation. Contribute to kreativmonkey/hassio-addons development by creating an account on GitHub.

---

**lpt2007** (lpt2007) #230 December 20, 2019, 3:05pm

Can anyone tell me the difference between:

<https://www.home-assistant.io/integrations/maxcube/>

and

<https://github.com/heliflieger/a-culfw>

---

**kreativmonkey** (Sebastian) #231 December 20, 2019, 6:46pm

if you have a MAXcube! then you can use the integrations in homeassistant with the MAXcube!

CUL is a special firmware you can flash on MAXcube!. Then you can use it with homegear to manage your devices.

With the original firmware I had regular problems with the control and the Cube suffered more often (every few months) a memory loss.

---

**lpt2007** (lpt2007) #232 December 21, 2019, 11:45am

Thanks [@kreativmonkey](#)

With CUL firmware can I then use other devices?

---

**kreativmonkey** (Sebastian) #233 December 23, 2019, 9:48am

Yes you can! You can use it with other devices in the 868Mhz or 433Mhz frequencies, I don't know with one is used in your country. In Germany it is 868Mhz. You can find more informations on this site: <http://culfw.de/culfw.html>

1 Like

---

**lpt2007** (lpt2007) #234 December 23, 2019, 9:57am

Thanks, I will try this firmware. 👍

---

**bbuster** #235 January 14, 2020, 6:15pm

Good day,

I am a software developer and I am using a Max! Cube a while now to control all the heater thermostats. Via a Raspberry Pi I connect to the Max! Cube to get temperature data and set radiator thermostat temperatures.



The huge problem i have is that the configuration on the Max! Cube is being lost every few days. I am not using Home Assistant or any other program, i am using it with this source code:

<https://github.com/hackercowboy/python-maxcube-api>

Will i still be able to do this after i converted the Max! Cube to a CUL/CUN?

The Max! Cube lost all the configuration again but now i am not able to connect to the Max! Cube by using the original software, the Max! Cube itself can be found on the router. Will this also improve the stability?

Thank you!

---

**Patrocks** (Patrick Moore) #236 January 22, 2020, 10:01pm

Hi Sebastian,

Thanks for all your work with the Homegear add-on. I have a problem that I would appreciate some help with.

I am using a Pi 3B with a fresh install of Hassio. Homegear is installed and working, I am talking to my cube and I have been able to link 4\*TRV's using Homematic Manager.

However when I reboot the Pi (after changing configuration.yaml) the TRV's are not found automatically by Home Assistant.

However, if I restart just HA server, via Configuration - Server Controls, then HA finds the TRV's.

If I reboot the Pi, the TRV's are greyed out and unavailable until I restart HA server.

It seems like a timing issue, as it HA is starting before Homegear and so not detecting the TRV's. Have you seen anything like this or have any ideas what I might have done wrong?

Thanks

Pat

---

**vic** #237 January 27, 2020, 8:51pm

Hello,

thanks a lot for this very comprehensive guide on how to reconfigure the Cube and use Homegear and Homeassistant to manage the devices.

I followed the procedure and everything worked as described: through Homematic Manager I was able to configure 13 window sensors, 6 thermostat valves and 1 eco switch! 😊

I have however a small issue: the data retrieved from HA is not actual, i.e. it looks like the Cube is not updating the status every time something changes.

I thought that it was an issue in HA, but when I use the HM Manager and read the data out of the thermostat devices, I have the same issue.

The devices themselves are working fine: the target temp is displayed correctly on the LCD and the weekly program is executed correctly as well.

The info on the valve status, the current temp and and battery level however are not reported timely.

Has anyone experienced a similar situation? Where can the issue be?

Thank you for any hint.

---

**proj\_mmhi** #238 February 1, 2020, 5:40am

I have exactly the same issue. Everything works fine just not updated values in HA

---

**kreativmonkey** (Sebastian) #239 February 1, 2020, 9:50am

Hi Patrocks,

i don't really know this issue. I add it to my Github Repo and try to figure out what happend!

---

**kreativmonkey** (Sebastian) #240 February 1, 2020, 10:11am

Hi vic and proj\_mmhi,

This problem comes from the way the devices work. To save as much battery as possible they only send an update to the cube when the valve position is updated. On fhem they have solved this problem by telling the thermostats regularly to change their states, so they send a confirmation with the current data.

The following two links are in german, i don't find some in english now:

<https://wiki.fhem.de/wiki/MAX#IST-Temperaturwerte>

[https://wiki.fhem.de/wiki/MAX!\\_Temperatur-Scanner](https://wiki.fhem.de/wiki/MAX!_Temperatur-Scanner)

The Temperatur-Scanner is a project that have two ways to get regular temperature updates. One is to change the State from Auto to Manual and back and the second one is to change the target temperature. However, some peculiarities of the system must be taken into account. Among others how many messages can be sent and that important messages will not be lost.

---

**vic** #241 February 1, 2020, 1:17pm

Hi Sebastian,

thank you for the hint and the links!

I had the impression that the cause could be a missing polling of the data. You just confirm it.

Unfortunately I am not using FHEM, so the script is not directly usable for me.

I will check if there is a way to implement the same function with the configuration I am using.

In case of success, I'll post it here.

PS

Deutsch ist für mich i.O.! 😊

---

**steno** (Stefano) #242 March 7, 2020, 10:34pm

Hi everybody,

i've send an email to Elv in order buy some spare parts about Max! thermostats.

They told me that Max! products are ending. They are no more producing these thermostats. I've uploaded the

as this one <https://www.ebay.it/itm/184164087882> (HMIP-eTRV-2 EQ3 Homematic IP)

thx

[illegible]

Use the “Vernüpfungen” Tab in Homematic Manager.

Application

Edit

Geräte

Verknüpfungen

Funk

RPC Konsole

Serviceemeldungen (7)

Ereignisse

192.168.30.164

BKCS-RP ✓

🔍

🔍

Verknüpfungen

SENDER Name	SENDER	TYPE	RECEIVER Name	RECEIVER	TYPE	NAME	DESCRIPTION
	x	x	x	x	x	x	x

Simply use the “+” Button in the bottom left corner of the app. This will guide you through a wizard.

And thx for helping me out here 😊

SENDER Name	SENDER	TYPE	RECEIVER Name	RECEIVER	TYPE	NAME
JTS0009644:1	JTS0009644:1	CLIMATECONTROL_TRANSCEIVER	JTS00011641:3	JTS00011641:3	CLIMATECONTROL_REC Soennevaerete_Link	
JTS0009806:1	JTS0009806:1	CLIMATECONTROL_TRANSCEIVER	JTS00011714:3	JTS00011714:3	CLIMATECONTROL_REC Laboratoriet_Link	
JTS0009223:1	JTS0009223:1	CLIMATECONTROL_TRANSCEIVER	JTS00011689:3	JTS00011689:3	CLIMATECONTROL_REC Trappen_Link	
JTS0009811:1	JTS0009811:1	CLIMATECONTROL_TRANSCEIVER	JTS00000426:3	JTS00000426:3	CLIMATECONTROL_REC Vaskerum_Link	
JTS0004814:1	JTS0004814:1	CLIMATECONTROL_TRANSCEIVER	JTS00011936:3	JTS00011936:3	CLIMATECONTROL_REC Spisestue_Link	
JTS0009167:1	JTS0009167:1	CLIMATECONTROL_TRANSCEIVER	JTS00002525:3	JTS00002525:3	CLIMATECONTROL_REC Diagnostue_Link_1	
JTS0009167:1	JTS0009167:1	CLIMATECONTROL_TRANSCEIVER	JTS00003222:3	JTS00003222:3	CLIMATECONTROL_REC Diagnostue_Link_2	
JTS0009167:1	JTS0009167:1	CLIMATECONTROL_TRANSCEIVER	JTS00006269:3	JTS00006269:3	CLIMATECONTROL_REC Diagnostue_Link_2	

**AndrejDelany** #249 June 3, 2020, 10:08am

If you want to sync it both ways, you have to link it both ways, too. 😊

**TheDexter** (Jacob Frederiksen) #250 June 3, 2020, 5:28pm

It doesnt possible to sync the other direction, an maybe not even necessary?

Although my new problem. Is that I can send temp to trv from wall, no problem, but it seems the trv valve opening lives it own life not using the temp from the wall, but locally on the trv???

When it was hooked up to my native Max! Cube, the trv used the wall room temp, so all valves in a room was in sync...

Does it make sense, have I missed something?

image|231x500

**AndrejDelany** #251 June 3, 2020, 5:49pm

If you have multiple radiator thermostats in a room, you should link the wall thermostat to every single radiator thermostat. Then you can control the temperature of all radiator thermostats with the wall thermostat.

I actually don't know, if the radiator thermostats use their own measured temperature to decide whether to open or close the valve, or if they use the temperature measured by the wall thermostat. They should use the measures wall thermostat temperature, but I don't know how to check if the actually do.

**TheDexter** (Jacob Frederiksen) #252 June 3, 2020, 6:07pm

Hi and thx for the reply

The link from wall to multiple trv works perfect 😊 so it sets the temp asap, no problem.

Only thingie is that I can see that trv valve position follows trv temp and not wall ;(

And my cul is not limited regarding these weird 868mhz timeslots, so everything should go through, pretty fast...

I'll try to raise it with hm, unless you have a suggestion, unfortunately my German isn't the best, so I rely to do what you told me, and it worked so far 😊

---

**AndrejDelany** #253 June 3, 2020, 6:31pm

As far as I know, there are no more options in Homematic Manager than adding the link between the wall thermostat and the radiator thermostat. I don't know how to check if the radiator uses its own or the wall thermostats measurement. Sorry I cannot help you with this 😞

Btw, this has nothing to do with your cul as the linking leads to direct communication between the thermostats.

---

**taste** (Marc) #254 June 4, 2020, 6:17pm

As soon as you link a radiator valve to a wall thermostat it will be a slave of the wall thermostat. The temperature measurement is from the wall thermostat. If you change the set temperature at the valve this is synchronized with the wall thermostat.

I think the linking did not went correctly. In that case it is best to do a factory reset of both the wall thermostat as the valve and start over.

---

**anbo** #255 July 24, 2020, 2:59pm

Hi there,

I have a working Homegear-Addon Setup with MAX devices paired with CUL in Hassio. So next is the integration and there is on step I am not sure about. As far as I understand MAX is integrated like Homematic Devices using Homegear as Host. But I do have a Homematic CCU3 (debmatic on Pi) integrated. So there seems to be a conflict. Adding another "wireless"-interfaces with the new IP results in Homematic-Devices not loading. How does a Homegear Host with IP 192.168.1.10 fit in here:

homematic:

interfaces:

Funk:

host: 192.168.1.6

port: 2001

resolvenames: json

username: xx

password: xx

HMIP:

host: 192.168.1.6

port: 2010

resolvenames: json

username: xx

password: xx

groups:

host: 192.168.1.6

port: 9292

resolvenames: json

username: xx

password: xx

path: /groups

hosts:

ccu3:  
host: 192.168.1.6  
username: xx  
password: xx

Thanks

Andreas

---

**rlajos** (Rlajos) #256 September 1, 2020, 12:03pm

Unfortunately I stucked at the very beginning. The **Microchip link** is giving 404 error. So I was erasing the firmware but unable to flash a new bootloader. Can somebody help me with the 2.18 SAM-BA version?

---

**swifty** #257 September 1, 2020, 2:56pm

**@rlajos** - I just updated the original post as it looks like the microchip site has changed - Hopefully the new link should work OK.

---

**rlajos** (Rlajos) #258 September 1, 2020, 2:59pm

Danke sehr!

---

**MaxW** (Max) #259 September 12, 2020, 5:17pm

Not sure if this has been posted here before, but the german distributor *ELV* started some replacement campaign to switch over to Homematic IP:

<https://de.elv.com/max-wechselangebot>

tl;dr;:

Replace Cube with Homematic Cube for free, exchange everything else for a 50% discount on homemeatic stuff.

As I am fed up with my MAX stuff I threw everything in a package and am now waiting...

1 Like

---

**mat1990dj** #260 October 15, 2020, 4:34pm

Well homematic ip VS max cube... same frequency, and duty cycle and all... I'm a bit fed

---

**maaxx** #261 November 3, 2020, 8:27pm

Just tried to install the Homegear addon of kreativmonkey. It looks like that it works, at least the login page appears, but now I'm struggling with the user credentials. Can't find them in den log files nor in the var/lib/...

Any hints?

Is there any (other) working homegear addon for hassio. Thx

---

**cloom** #262 November 9, 2020, 1:01pm

Hello,

I would like to send huge thanks to [@swifty](#) and all the replies here, this was a good source of information!

I struggled getting homegear running, I ended up putting it on a RaspberryPi but I'd love to move it to my Synology NAS in Docker, I need to resolve the rights issues first 😞

As for homegear... once I RTFM it was flawless 😊

My issue was that I did not setup the cube central address used with CUNX, here's how my max.conf file looks like now:

```
$ cat /etc/homegear/families/max.conf | egrep -v "^(#|$)"
```

```
----- MAX! -----  
[General]  
moduleEnabled = true  
centralAddress = 0xFD1911  
[CUNX]  
id = MAXCUBE  
default = true  
deviceType = cunx  
host = 192.168.86.242  
port = 2323  
responseDelay = 40
```

I can only advise [@swifty](#) to add a note in his original post to not have another silly goat like me spending hours searching for errors (and then start to look at logs and the manual 😊 )

I now need to smart this up, first, assign a door sensor to the radiator valves, I've seen a post showing how to do this with Homegear Manager but my German skills are limited to bad words that have no use in this case 😊

One question: where is the pairing stored? I wonder if I move my instance of Homegear running on the Pi to a Docker image running on my NAS, what files should I move to not have to repair my devices with my Cube? Is this stored in the Cube or in the devices? Just assigning the Cube to a new Homegear will also move the paired devices with it?

If anybody knows before I try it myself 😊