

Home Assistant integration



<https://www.home-assistant.io/>

What is it ?

source : https://en.wikipedia.org/wiki/Home_Assistant

Home Assistant is free and open-source software used for home automation. It serves as an integration platform and smart home hub, allowing users to control smart home devices.

Description

With the full integration of Domintell to Home Assistant, you can now easily monitor and control your Domintell installation using your Home Assistant dashboard. You can also record/log events from your Domintell installation to Home Assistant and aggregate all your data to generate reports and graphics but also trigger action to/from other components of other manufacturers.

Specifications/Limitations

- **Domintell does not provide any free support** for Home Assistant. You have to request a quotation at support@domintell.com
- A Domintell installation containing:
 - A **NewGen Master** (DGQG02, DGQG04, ...). The DNET02 is optional.
 - or a DGQG01 with a DNET01.
- Installation with DGQG01/**DETH02 are not compatible** with HomeAssistant :
 - DETH02 only works using UDP protocol while the Domintell integration only implements TCP (WebSocket) protocol.
 - DETH02 sends APPINFO one line at time (one line per UDP packet) while the Domintell integration expects to receive APPINFO in one big block.
- Test have been done with **GoldenGate 20.16.1**, **GoldenGate 21.12.0** and **GoldenGate for DGQG01 1.49.1** but it should work with older versions (except if they have LightProtocol bugs solved since then).
- Home assistant connects to the DGQG02/DGQG04 or the DNET01/DNET02 using local Ethernet connection. A connection to **Internet** or the **Domintell cloud** is **NOT required**.
- Almost all type of Domintell items are implemented in Home Assistant. Please see Only the following items are NOT available :
 - RGB outputs : DDMX01
 - Audio : DAMPLI01
 - Camera
 - Clocks

Privacy

- The Domintell integration does not collect or send any data on Internet. It just requests the APPINFO to the Domintell system and processes it to translate Domintell IOs to Home Assistant devices/entities.
- The Domintell integration discovers gateways (DGQG02/04 or DNET01/02) using ZeroConf/Bonjour/mDNS protocol (IPv4 224.0.0.251 on port 5353/udp)
- Home Assistant or add-ons can process data that the Domintell integration gets from your Domintell installation (using the Domintell LightProtocol). Please refer to disclaimers, terms of service and privacy policy of Home Assistant and all add-ons that are installed/enabled on your Home Assistant server.

Configuration in GoldenGate

- DGQG01 + DNET01
 - Domintell Pilot (LightProtocol) on WebSocket (17481/tcp) must be enable in the parameter dialog of the DNET01 module.



Figure 1: GoldenGate for DGGQ01 1.49.1

- NewGen DGQG without DNET02 (DGQG02/04/...)
 - Domintell Pilot/LightProtocol on WebSocket (17481/tcp) must be enable in the parameter dialog of the DGQG02/04/... module.

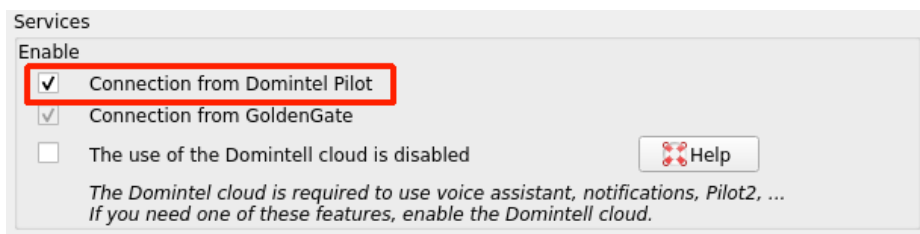


Figure 2: GoldenGate 20.16.0

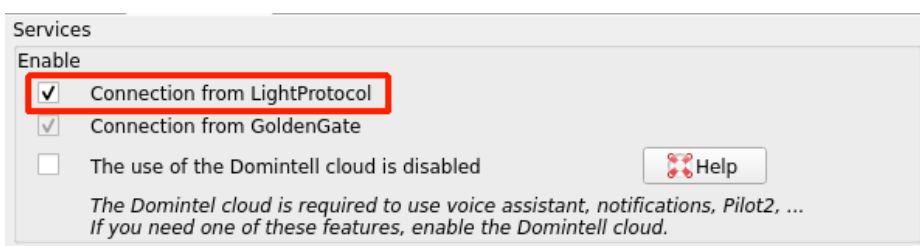


Figure 3: GoldenGate 21.8.0

- NewGen DGQG with DNET02 (DGQG02/04/...)
 - Domintell Pilot/LightProtocol on WebSocket (17481/tcp) must be enable in the parameter dialog of the DNET02 module

- NOTE: When the installation has a DNET02, the DGQG02/04/... will appear in the list of discovered devices/gateways of Home Assistant but Home Assistant will not be able to connect to it. Please be sure to select the DNET02 to start the integration process.

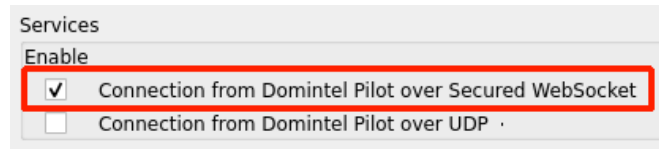


Figure 4: GoldenGate 20.16.0

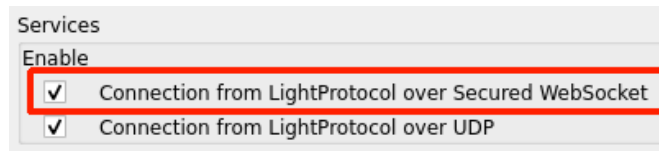
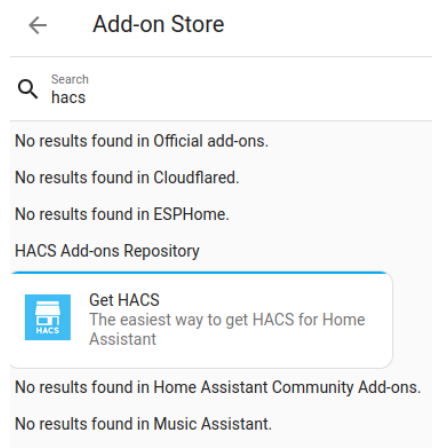


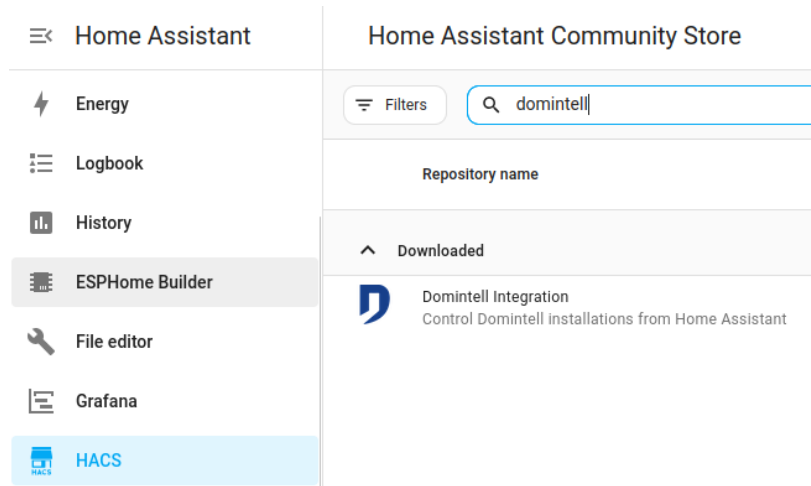
Figure 5: GoldenGate 21.8.0

Installation of custom Domintell integration/component in Home Assistant

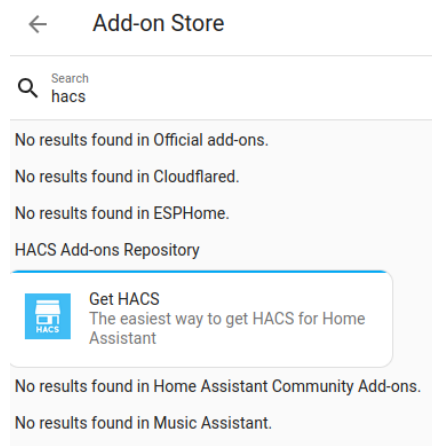
- Easy installation using official Home Assistant Community Store (HACS) repository
 1. Install HACS add-on using :
http://homeassistant.local:8123/_my_redirect/supervisor_addon?addon=cb646a50_get&repository_url=https%3A%2F%2Fgithub.com%2Fhacs%2Faddons.
 2. Go to <http://homeassistant.local:8123/hassio/store> and type HACS in search field.



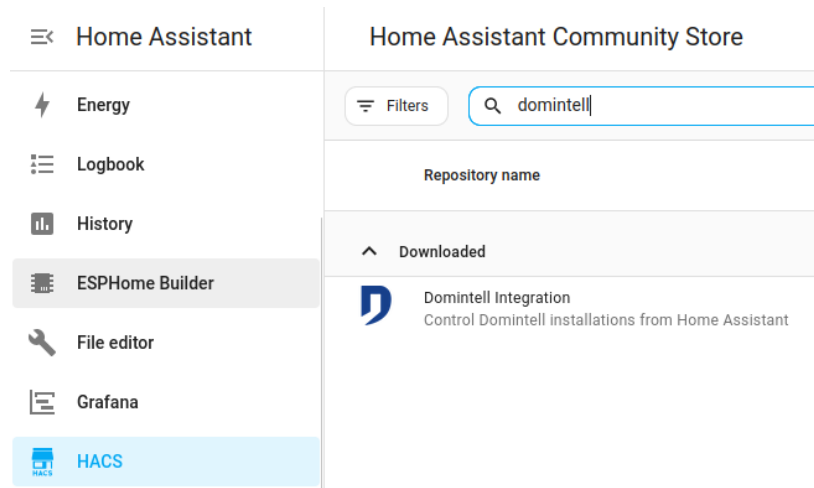
3. Once Home Assistant has been rebooted, click on the HACS in the panel at the left side and search for Domintell.



- Easy installation using Home Assistant Community Store (HACS) and GitHub repository
 1. If HACS is not yet installed, install HACS add-on using :
http://homeassistant.local:8123/_my_redirect/supervisor_addon?addon=cb646a50_get&repository_url=https%3A%2F%2Fgithub.com%2Fhacs%2Faddons.
 2. Go to <http://homeassistant.local:8123/hassio/store> and type HACS in the search field.

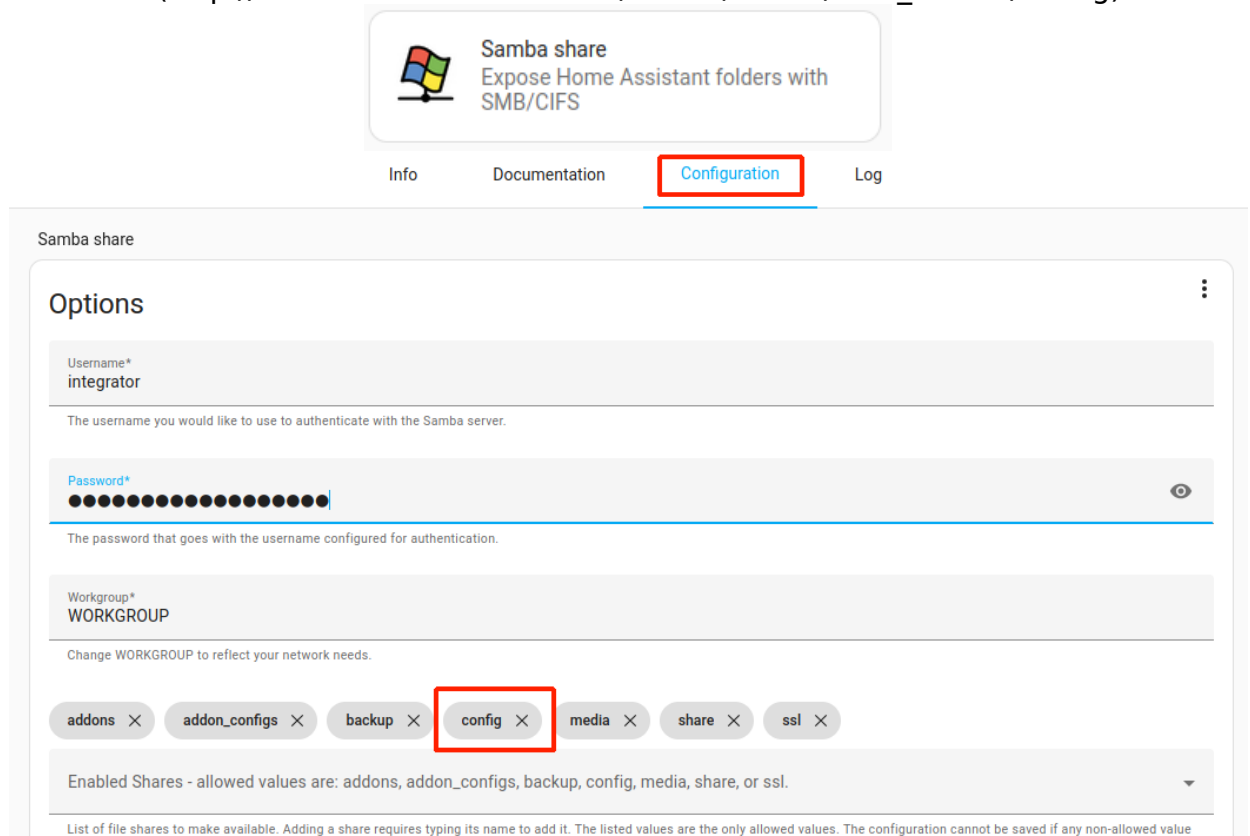


3. Once Home Assistant has been rebooted, click on the url given in the readme.md of GitHub repository (https://github.com/Domintell/ha_domintell) :
http://homeassistant.local:8123/_my_redirect/hacs_repository?owner=Domintell&repository=ha_domintell&category=Integration.
4. The Domintell integration is now installed.



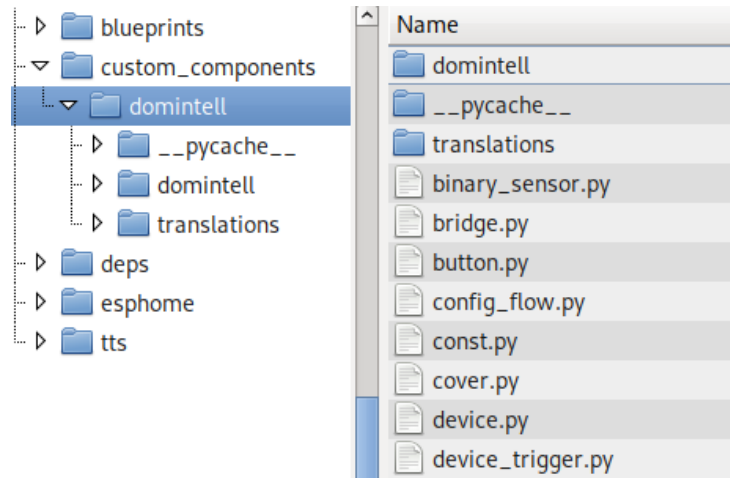
- Manual installation using Samba share (not recommended)

1. Download latest sources of the Domintell custom integration from our server: <https://pro.mydomintell.com/share/homeassistant/integration/domintell/> .
2. "Samba share" add-on must be installed and configured. Be sure that "config" share is enabled (http://homeassistant.local:8123/hassio/addon/core_samba/config).



3. Mount share on your computer (replace *homeassistant.local* by the hostname or the IP of your Home Assistant instance):
 - Windows : \\homeassistant.local\\config
 - Mac OS : smb://homeassistant.local/config
 - Linux : `mount -t cifs -o username=integrator,workgroup=WORKGROUP,vers=2.0 //homeassistant.local/config /mnt/hacfg`

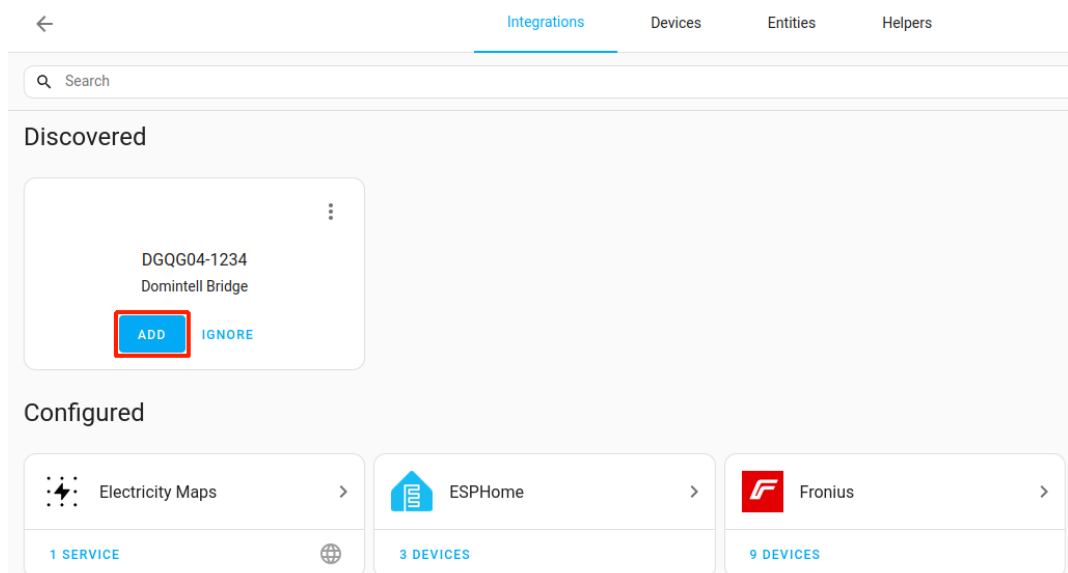
4. Create "custom_components" directory if it does not exist.
5. Extract the content of the zip archive downloaded from our server (domintell-v0.2.4.zip) to custom_components. It should look like:



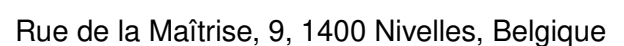
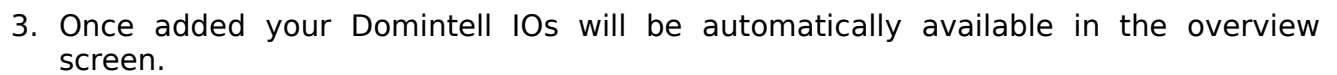
6. Unmount the share from your computer.
7. Restart the Home assistant instance.

Configuration of Domintell integration/component in Home Assistant

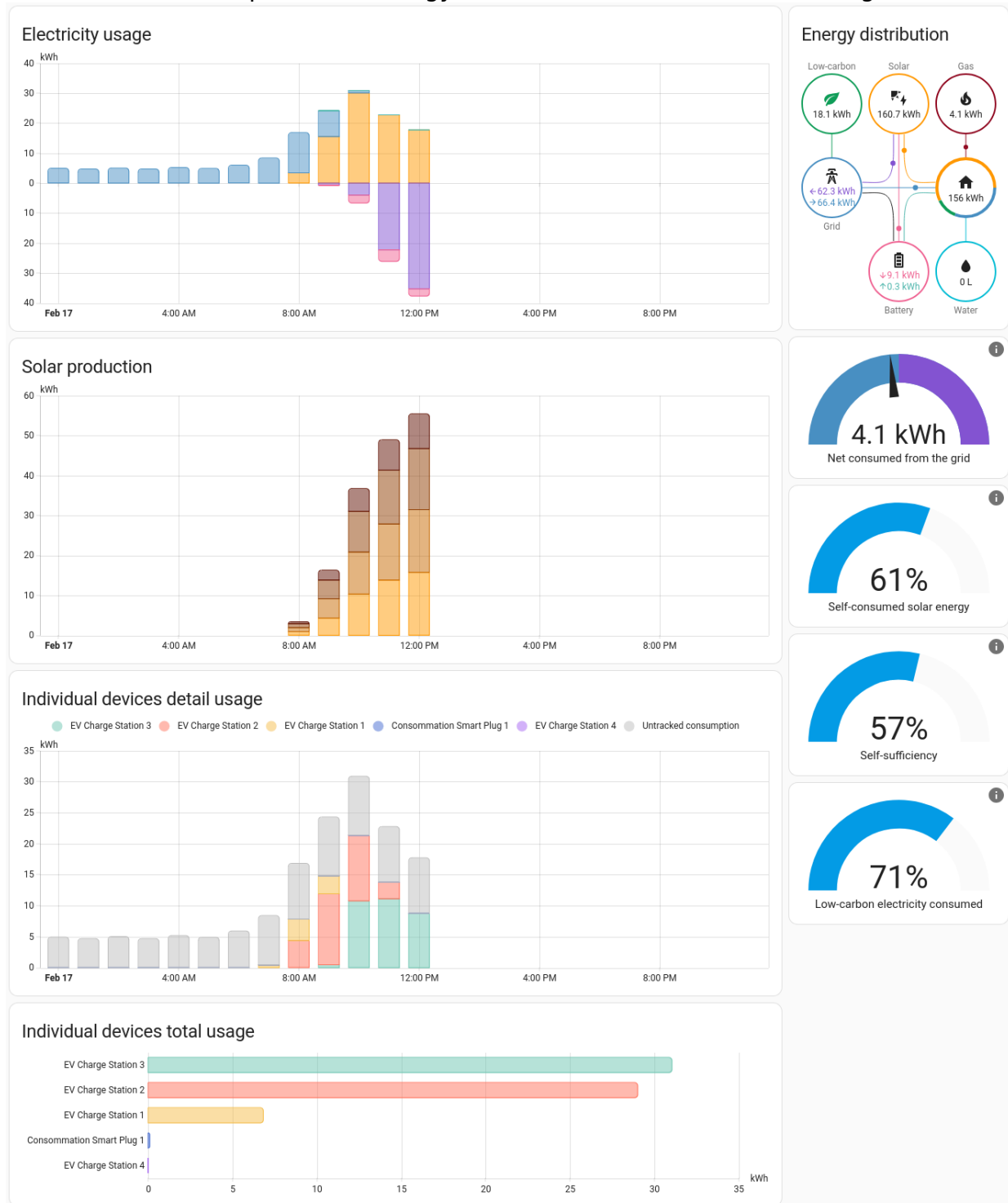
1. Once restarted, go to the integration dashboard (*Settings -> Devices & services*) (<http://homeassistant.local:8123/config/integrations/dashboard>)
2. Your Domintell DGQG or DNET should already appears in the discovered section. Just click on "Add" button.



If your Domintell device is not discovered, you can added manually using it IP address by clicking on "+ Add integration" at the bottom right corner. Then type "domintell" in the search field and click on Domintell in the result list. The list of auto discovered modules is available or you can click on "Setup another instance of Domintell". Type the IP address and the user credentials, if any. Otherwise, let username and password fields empty.



4. Here is an example of the energy dashboard once it has been configured.

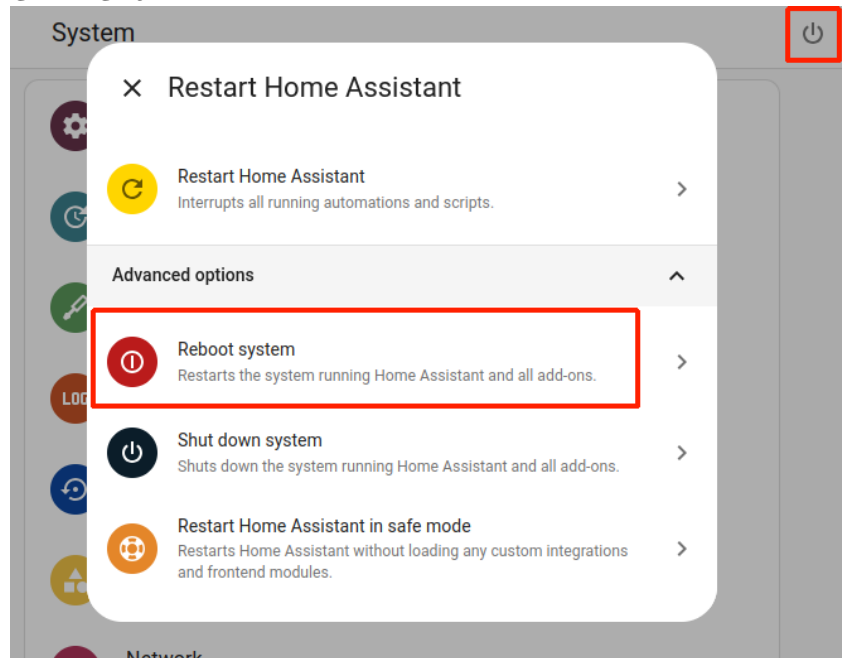


Update the custom integration/component

Here is the procedure to update the custom Domintell integration when it has been installed using the Samba share:

1. Rename "domintell" directory in "custom_components" directory to "domintell-old".
2. Extract the archive with the new version in "custom_components" directory (see Manual installation using Samba share (not recommended) section).
3. Delete the "domintell-old" directory. THIS IS VERY IMPORTANT TO DELETE THE DIRECTORY WITH THE OLD VERSION!

4. Reboot the Home Assistance system using power icon at the top right corner of the *Settings -> System menu*.



Choosing "Restart Home Assistant" is sometimes not enough and can lead to undefined behaviors or side effects when a custom integration/component is updated.

Supported Domintell modules

- DALI04/05 (PS4/PS5)
- DAXPB01/02/04/06 (BU1/BU2/BU4/BU6)
- DAXPBLCD01/02 (PBL)
- DBIR01 (BIR)
- DDIM01 (DIM)
- DDIMLV01 (LV1)
- DDIR01 (DIR)
- DELEC01 (EL1)
- DFAN01 (FAN)
- DGQG02 (QG2)
- DGQG04 (QG4)
- DIN10V02 (I10)
- DINTDALI01 (DAL)
- DISM04/08/20 (IS4/IS8/I20)
- DLB01 (LB1)
- DLED01 (LED)
- DMOV01/02/05 (DET)
- DMOV06 (MV6)
- DMOV07 (MV7)
- DMR01 (DMR)
- DMR02 (MR2)
- DMV01 (DMV)
- DNET01 (NT1)
- DNET02 (NT2)
- DNIPB01/02/04/06 (BU1/BU2/BU4/BU6)
- DNKPB04/06 (BU4/BU6)
- DOORSTATION (DST)
- DOUT10V02 (D10)
- DPBC01/02/04/06 (CL1/CL2/CL4/CL6)
- DPBL01/02/04 (B81/B82/B84)

- DPBR02/04/06 (BR2/BR4/BR6)
- DPBRLCD02 (PRL)
- DPBRT02/04/06 (BRT)
- DPBRTHERMO01 (RT1)
- DPBTLCD01/02 (PBL)
- DPBU01/02/04/06 (BU1/BU2/BU4/BU6)
- DTEM01/02 (TE1/TE2)
- DTRP01 (TRP)
- DTRP02 (TPV)
- DTRV01 (TRV)
- DTRVBT01 (V24)
- DTSC02/04/05 (LT2/LT4/LT5)
- DWIND01 (WI1)
- Airco ModBus module (MBA)
- Generic ModBus module (MBG)
- Scene (SFE)
- GROUP (MEM)
- VARIABLE (VAR)
- SYS_VARIABLE (SYS)
- DDMX02 (DX2)
- DRGBW01 (RW1)

Domintell modules to be integrated

- Cloks (CLK)
- Temperature zone (ZON)
- Temperature profile (TPL/TPR)
- Radio station (STA)
- Camera (CAM)
- DAMPIL01 (AMP)
- DDMX01 (DMX)
- Any new modules marketed since the release of the last version of the custom Domintell integration

Deprecated/Not supported modules (and will never be)

- DETH02 (ET2)
- DINTMB01 (MB1)
- DLCD01 (LCD)
- DLCD03 (LC3)
- DMONOELEC01 (MON)
- DRS23201 (RS1)
- DRS23202 (RS2)
- DTRIELEC01 (TRI)
- DTSC01/03 (TSB)
- DVIP01 (VI1)
- DVIP02 (VI2)
- MBDEV01 (MBD)