

Home Assistant Lunatone Integration

Manual



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

Devices Supporting Home Assistant

[DALI-2 IoT](#)

Art.Nr. 89453886

[DALI-2 IoT4](#)

Art.Nr. 89453886

[DALI-2 Display 7"](#)

Art.Nr. 89453886

[DALI-2 Display 4"](#)

Art.Nr. 89453886

Home Assistant Lunatone Integration

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1. Prerequisites

The following is necessary for the next steps:

- the DALI system is fully installed and running
- Home Assistant is set up and running
- The DALI-2 IoT/Display modules are installed and connected to the correct network Home-Assistant will be used with. For all steps on installation and connection to the network see the respective datasheets:

DALI-2 IoT lunatone.com/wp-content/uploads/2021/08/89453886_DALI2_IOT_EN_D0099.pdf

DALI-2 IoT4 lunatone.com/wp-content/uploads/2024/11/22176625_DALI2_IOT4_EN_D0133.pdf

DALI-2 Display 7" lunatone.com/wp-content/uploads/2020/11/86456840_DALI-2_Display_7Inch_EN_D0095.pdf

DALI-2 Display 4" lunatone.com/wp-content/uploads/2020/11/86456841_DALI-2_Display_4Inch_EN_D0093.pdf

2. Addressing the DALI System - adding Devices

It is necessary to scan for the DALI devices in the system with the DALI-2 Display/IoT, for them to become available in Home Assistant. If there are no devices scanned only the DALI line will be visible in Home Assistant.

Note: the addressing done by the DALI Cockpit to configure DALI devices does not add the DALI dimmers and sensors to the Display/IoT device list.

The scanning process only scans for DALI/DALI-2 dimmers (control gears) and DALI-2 sensors, it does address but not list DALI-2 control devices such as switches/input devices.

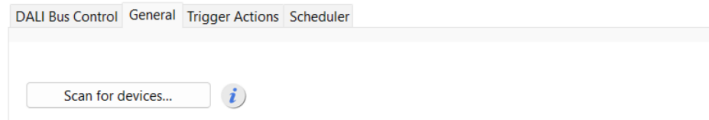
Scanning Devices in the DALI-2 Display

In the DALI-2 Display (7" and 4") the addressing can be done on the DALI-2 Display in the settings section devices, see the [Display datasheet](#) page 8. (The 4" Basic Display cannot carry out a system extension of the DALI system, if the DALI system is not addressed at all, it must first be addressed in

the DALI Cockpit (with the Display as an interface), then the device list can be scanned in the 4" Basic Display.)

Scanning Devices in the DALI-2 IoT4 / IoT

The devices can be addressed and listed in the DALI Cockpit Tab General (DALI Cockpit 1.38.138) with the option "Scan for devices".



Alternatively the devices can be address via the RESTful API with the Endpoint POST/dali/scan

For a DALI new installation set parameters: "new installation": true, "noAdressing": false

For a DALI system extension set parameters: "new installation": false, "noAddressing": false

for a Scan of an already addressed DALI System without randomaddressing (not adding any new, non addressed devices) set parameters: "new installation": false, "noAddressing": true

The useLines parameter can be set in a multi line system (IoT4) to only address certain lines. No specification: [] will address all lines.

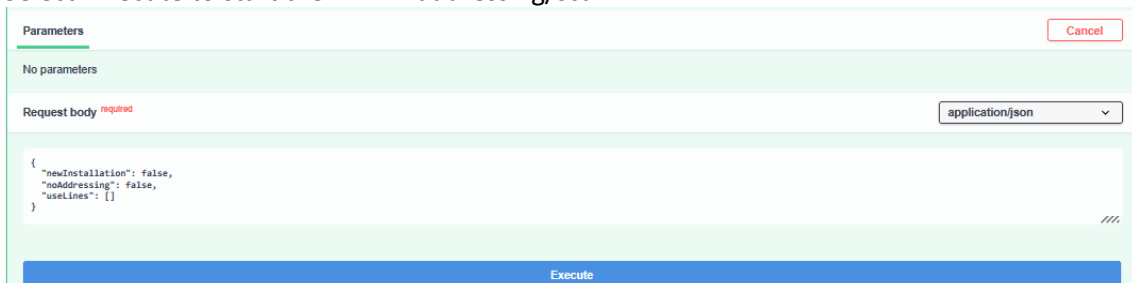
Example using the IoT internal swagger page >>IP-address<</docs:



Select the Endpoint,

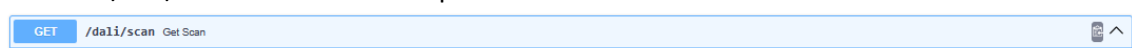
Select: Try it out, check the parameters, then

Select: Execute to start the DALI-2 addressing/scan



The Response body will state the current scan state.

With Get/dali/scan the current scan process and results can be checked



```

Response body
{
  "id": "191a4a38-330e-46f4-938a-38bfeaed3440",
  "progress": 0.78125,
  "found": 0,
  "foundSensors": 0,
  "status": "addressing",
  "lines": [
    {
      "line": 0,
      "scanState": "addressing",
      "found": 0,
      "foundSensors": 0,
      "addressed": 1,
      "scanned": 0,
      "progress": 0.390625
    }
  ]
}

```

Once the scan result is shown as “status”: “done”, check if the found devices matches the devices in you system

```

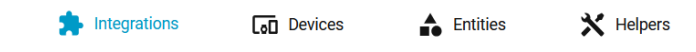
Response body
{
  "id": "191a4a38-330e-46f4-938a-38bfeaed3440",
  "progress": 100,
  "found": 3,
  "foundSensors": 0,
  "status": "done",
  "lines": [
    {
      "line": 0,
      "scanState": "done",
      "found": 3,
      "foundSensors": 0,
      "addressed": 128,
      "scanned": 64,
      "progress": 100
    }
  ]
}

```

3. Integration in Home Assistant

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

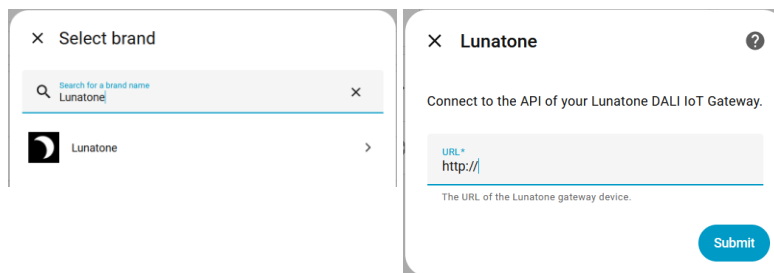
In your Home Assistant Settings go to “Devices and Services” -> Tab “Integrations”



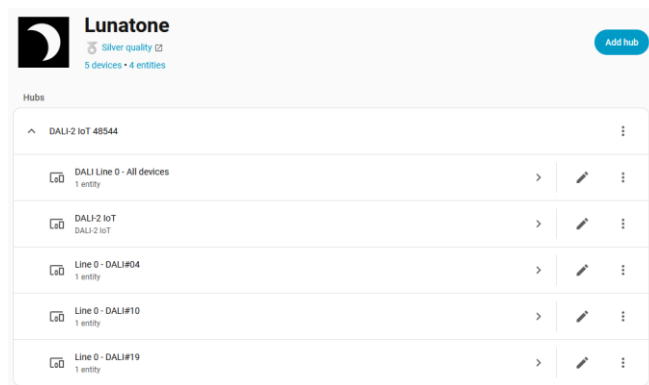
The Lunatone devices are either auto discovered and listed and can be added right away or if not choose “Add Integration” and look for brand Lunatone



Choose the IP of your device to add



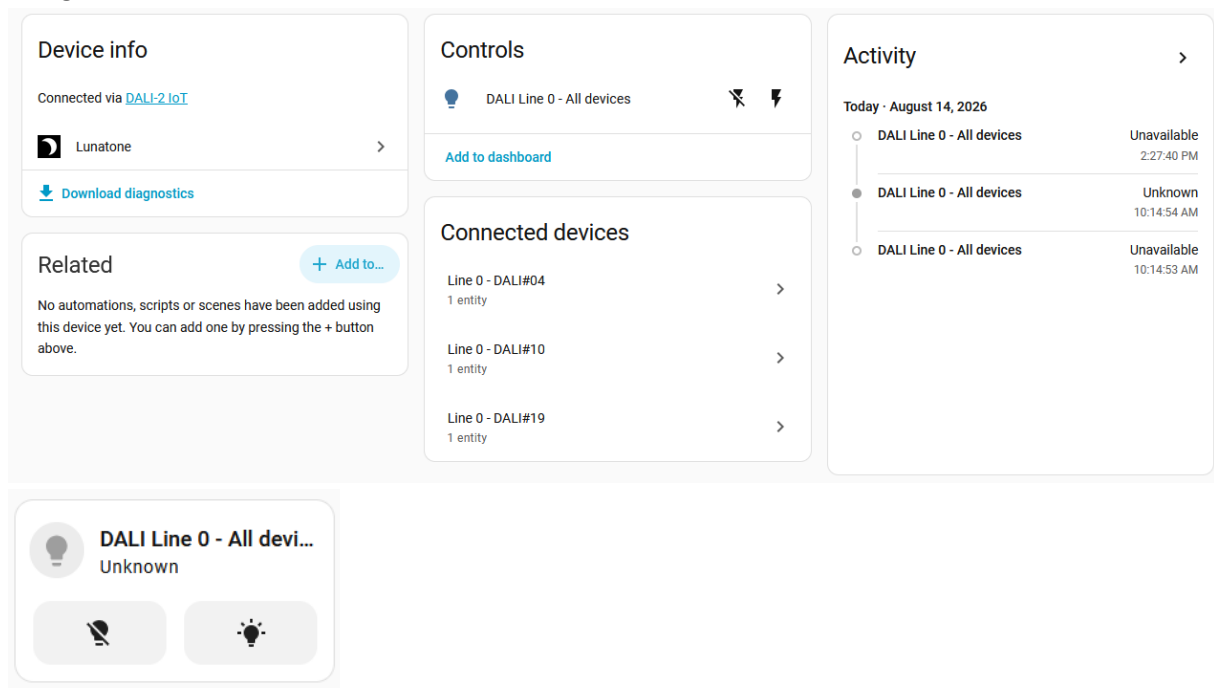
After adding the Display/IoT a device is created for: the DALI-2 IoT/Display itself, each DALI line, and one for each compatible DALI device that was scanned (in section 2). Compatible DALI devices are DALI gears (e.g. dimmers, relays, ...) and DALI-2 sensors (DALI-2 controls such as switches/ input devices are not available).



4. Supported Features

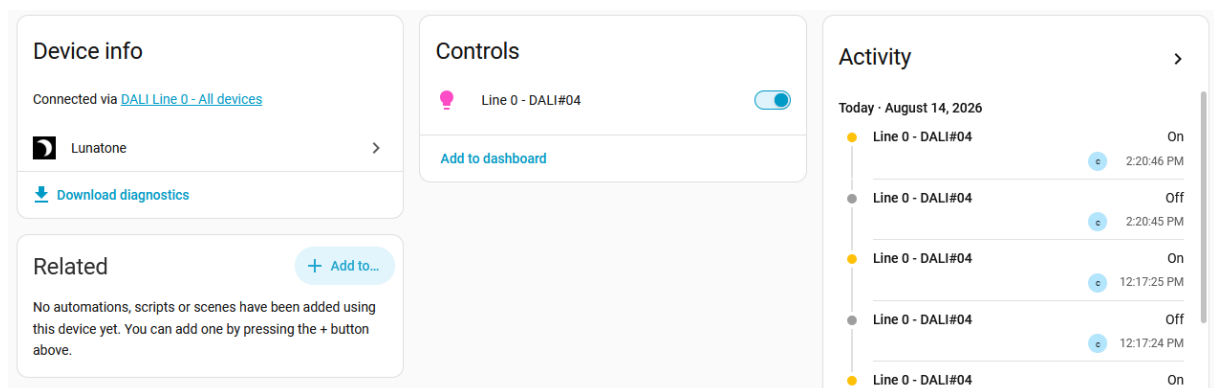
DALI line

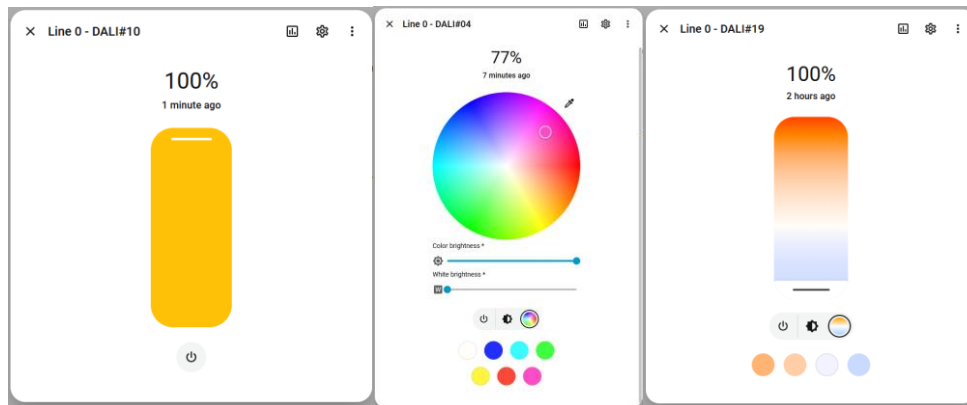
The DALI Line itself can be controlled: sending DALI Broadcast commands, however there is currently no light-status information available



DALI/DALI-2 Dimmers

DT6 Brightness control as well as DT8 colour and colour temperature control is supported





DALI-2 Sensors

DALI-2 Motion -303 and Light instance -304 are supported as well as Lunatone specific generic Instances: temperature, humidity, air pressure, and air quality of the DALI-2 CS THP AQ. With the Release 2026.8 the sensors are queried regularly from the interface device, and it is not necessary to set up DALI-2 events

Device info

Connected via [DALI-2 IoT](#)

Lunatone

[Download diagnostics](#)

Related

No automations, scripts or scenes have been added using this device yet. You can add one by pressing the + button above.

[+ Add to...](#)

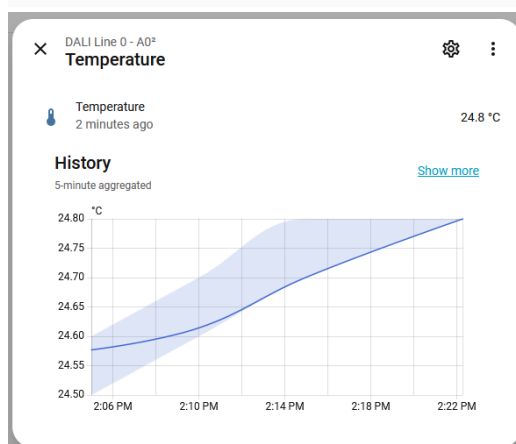
Sensors

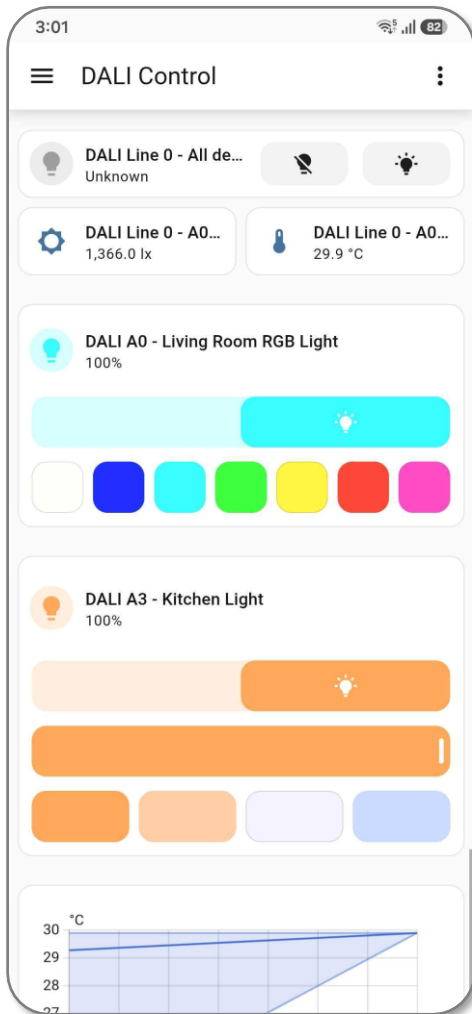
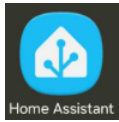
	Air humidity	50.5%
	Air pressure	1,001.50 hPa
	Air quality	46.0
	Light	80.0 lx
	Temperature	24.8 °C

[Add to dashboard](#)

Activity

No activity found.





Example Dashboard in the Home Assistant App

Additional Information and Equipment

Lunatone Home Assistant Integration

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

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IoT/IoT4 API Documentation

https://www.lunatone.com/wp-content/uploads/2021/08/89453886_DALI2_IOT_API_Dokumentation_EN_M0023.pdf

Lunatone datasheets, manuals and software

<http://www.lunatone.com/en/downloads-a-z/>

Lunatone DALI products

<http://www.lunatone.com/en>

DALI-Cockpit – free configuration tool from Lunatone for DALI systems

<https://www.lunatone.com/en/product/dali-cockpit/>

Contact

Technical Support: support@lunatone.com

Requests: sales@lunatone.com

www.lunatone.com

Disclaimer

Subject to change. Information provided without guarantee. The datasheet refers to the current delivery.

The function in installations with other devices must be tested for compatibility in advance.