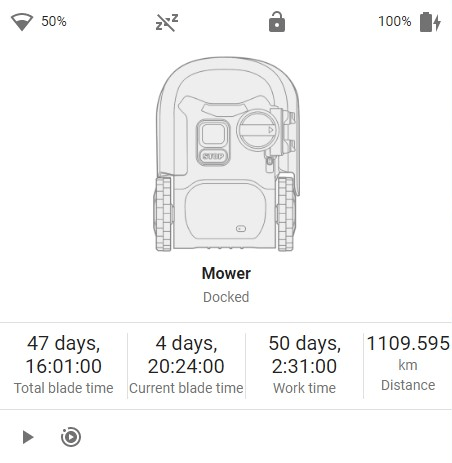
**Landroid Card**

Landroid mower card for [Home Assistant](https://www.home-assistant.io/) Lovelace UI

By default, Home Assistant does not provide any card for controlling Landroid lawnmower. This card displays the state and allows to control your robot.

[](https://github.com/Barma-lej/landroid-card/raw/master/media/landroid-card-docked.png)

**Installing**

**Landroid Cloud**

First of all you need to install a **Landroid Cloud** Integration.

Install [using HACS](https://hacs.xyz/) or [see this guide](https://github.com/MTrab/landroid_cloud).

**HACS**

You can manual add this repo to your HACS installation. [Here is manual](https://hacs.xyz/docs/faq/custom_repositories)

**Manual**

1. Download landroid-card.js file from the [latest release](https://github.com/Barma-lej/landroid-card/releases/latest).
2. Put landroid-card.js file into your config/www folder.
3. Add reference to landroid-card.js in Lovelace. There's two way to do that:
   1. **Using UI:**
      * This is done by navigating to the Resources page by following below link:

Or go to *Configuration* → *Lovelace Dashboards* → *Resources Tab*

* + - Click Plus button
    - Set *Url* as /local/landroid-card.js
    - Set *Resource type* as JavaScript Module.

**Note:** If you do not see the Resources Tab, you will need to enable *Advanced Mode* in your *User Profile*

* 1. **Using YAML:** Add following code to lovelace section.
  2. resources:
  3. - url: /local/landroid-card.js

type: module

1. Add custom:landroid-card to Lovelace UI as any other card (using either editor or YAML configuration).

**Usage**

This card can be configured using Lovelace UI editor.

1. In Lovelace UI, click 3 dots in top left corner.
2. Click *Configure UI*.
3. Click Plus button to add a new card.
4. Find *Custom: Landroid Card* in the list.
5. Choose entity.
6. Now you should see the preview of the card!

*Sorry, no support for actions, shortcuts and stats in visual config yet.*

Typical example of using this card in YAML config would look like this:

image: default

compact\_view: false

show\_status: true

show\_name: true

show\_toolbar: true

type: custom:landroid-card

entity: vacuum.mower

stats:

default:

- attribute: blades.total\_on

subtitle: Total blade time

value\_template: '{{ as\_timedelta((value | float(0) \* 60) | string) }}'

- attribute: blades.current\_on

subtitle: Current blade time

value\_template: '{{ as\_timedelta((value | float(0) \* 60) | string) }}'

- attribute: statistics.worktime\_blades\_on

subtitle: Work time

value\_template: '{{ as\_timedelta((value | float(0) \* 60) | string) }}'

- attribute: statistics.distance

value\_template: '{{ (value | float(0) / 1000) | round(3) }}'

unit: km

subtitle: Distance

mowing:

- attribute: orientation.yaw

subtitle: Yaw

unit: °

- attribute: orientation.roll

subtitle: Roll

unit: °

- attribute: orientation.pitch

subtitle: Pitch

unit: °

shortcuts:

- name: Notification

service: automation.toggle

icon: mdi:bell

service\_data:

entity\_id: automation.mower\_notify\_status

Here is what every option means:

| **Name** | **Type** | **Default** | **Description** |
| --- | --- | --- | --- |
| type | string | **Required** | custom:landroid-card |
| entity | string | **Required** | An entity\_id within the vacuum domain. |
| camera | string | Optional | An entity\_id within the camera domain, for streaming live landroid camera. |
| camera\_refresh | integer | 5 | Update interval for camera in seconds |
| image | string | default | Path to image of your mower. Better to have png or svg. |
| show\_name | boolean | true | Show friendly name of the mower. |
| show\_status | boolean | true | Show status of the mower. |
| show\_toolbar | boolean | true | Show toolbar with actions. |
| compact\_view | boolean | false | Compact view without image. |
| stats | object | Optional | Custom per state stats for your mower |
| actions | object | Optional | Override default actions behavior with service invocations. |
| shortcuts | object | Optional | List of shortcuts shown at the right bottom part of the card with custom actions for your mower. |

**stats object**

You can use any attribute of mower or even any entity by entity\_id to display by stats section:

| **Name** | **Type** | **Default** | **Description** |
| --- | --- | --- | --- |
| entity\_id | string | Optional | An entity\_id with state, i.e. sensor.mower. |
| attribute | string | Optional | Attribute name of the stat, i.e. total\_blade\_time. |
| value\_template | string | Optional | Jinja2 template returning a value [Here is Home Assistant Templating](https://github.com/Barma-lej/landroid-card/blob/master/ha-templating). value variable represents the entity\_id or attribute state, i.e. "{{ as\_timedelta((value | float(0) \* 60) | string) }}" |
| unit | string | Optional | Unit of measure, i.e. hours. |
| subtitle | string | Optional | Friendly name of the stat, i.e. Blade time. |

stats:

default:

- attribute: blades.total\_on

subtitle: Total blade time

value\_template: '{{ as\_timedelta((value | float(0) \* 60) | string) }}'

- attribute: blades.current\_on

subtitle: Current blade time

value\_template: '{{ as\_timedelta((value | float(0) \* 60) | string) }}'

- attribute: statistics.worktime\_blades\_on

subtitle: Work time

value\_template: '{{ as\_timedelta((value | float(0) \* 60) | string) }}'

- attribute: statistics.distance

value\_template: '{{ (value | float(0) / 1000) | round(3) }}'

unit: km

subtitle: Distance

mowing:

- attribute: orientation.yaw

subtitle: Yaw

unit: °

- attribute: orientation.roll

subtitle: Roll

unit: °

- attribute: orientation.pitch

subtitle: Pitch

unit: °

**actions object**

You can defined service invocations to override default actions behavior. Available actions to override are start, pause, resume, stop and return\_to\_base.

| **Name** | **Type** | **Default** | **Description** |
| --- | --- | --- | --- |
| service | string | Optional | A service to call, i.e. script.mowing\_zone\_2. |
| service\_data | object | service\_data for service call |  |

actions:

start:

service: script.mowing\_zone\_2

edgecut:

service: landroid\_cloud.setzone

service\_data:

entity\_id: vacuum.mower

zone: '1'

pause:

service: landroid\_cloud.ots

service\_data:

entity\_id: vacuum.mower

boundary: true

runtime: 60

**shortcuts object**

You can defined [custom scripts](https://www.home-assistant.io/docs/scripts/) for custom actions i.e mowing a zone and add them to this card with shortcuts option.

| **Name** | **Type** | **Default** | **Description** |
| --- | --- | --- | --- |
| name | string | Optional | Friendly name of the action, i.e. Mowing a zone 2. |
| service | string | Optional | A service to call, i.e. script.mowing\_zone\_2. |
| icon | string | Optional | Any icon for action button. |
| service\_data | object | service\_data for service call |  |

shortcuts:

- name: Notification

service: automation.toggle

icon: mdi:bell

service\_data:

entity\_id: automation.mower\_notify\_status

**Theming**

This card can be styled by changing the values of these CSS properties (globally or per-card via [card-mod](https://github.com/thomasloven/lovelace-card-mod)):

| **Variable** | **Default value** | **Description** |
| --- | --- | --- |
| --vc-background | var(--ha-card-background, var(--card-background-color, white)) | Background of the card |
| --vc-primary-text-color | var(--primary-text-color) | Mower name, stats values, etc |
| --vc-secondary-text-color | var(--secondary-text-color) | Status, stats units and titles, etc |
| --vc-icon-color | var(--secondary-text-color) | Colors of icons |
| --vc-toolbar-background | var(--vc-background) | Background of the toolbar |
| --vc-toolbar-text-color | var(--secondary-text-color) | Color of the toolbar texts |
| --vc-toolbar-icon-color | var(--secondary-text-color) | Color of the toolbar icons |
| --vc-divider-color | var(--entities-divider-color, var(--divider-color)) | Color of dividers |
| --vc-spacing | 10px | Paddings and margins inside the card |

**Styling via theme**

Here is an example of customization via theme. Read more in the [Frontend documentation](https://www.home-assistant.io/integrations/frontend/).

my-custom-theme:

vc-background: '#17A8F4'

vc-spacing: 5px

**Styling via card-mod**

You can use [card-mod](https://github.com/thomasloven/lovelace-card-mod) to customize the card on per-card basis, like this:

type: 'custom:landroid-card'

style: |

ha-card {

--vc-background: #17A8F4;

--vc-spacing: 5px;

}

...

**Animations**

**💡 Tip:** Animations are applied only for image property. Here's how they look like:

| **Mowing** | **Docking** |
| --- | --- |
| [Mowing animation](https://github.com/Barma-lej/landroid-card/raw/master/media/landroid-mowing.gif) | [Returning animation](https://github.com/Barma-lej/landroid-card/raw/master/media/landroid-returning.gif) |

**Supported languages**

This card supports translations. Please, help to add more translations and improve existing ones. Here's a list of supported languages:

* Dansk (Danish)
* Deutsch (German)
* English
* Français (French)
* Italiano (Italian)
* Polski (Polish)
* Русский (Russian)
* Slovenščina (Slovenian)
* Svenska (Swedish)
* [*Your language?*](https://github.com/Barma-lej/landroid-card/blob/master/CONTRIBUTING.md#how-to-add-translation)

**Supported models**

This card relies on basic landroid services, like pause, start, stop, return\_to\_base, etc. It should work with landroid mower, however I can physically test it only with my own Worx Landroid M500 WR141E.

If this card works with your mower, please open a PR and your model to the list.

| **Vendor** | **Model** | **Name** | **Max. Raindelay** |
| --- | --- | --- | --- |
| Worx | WR141E | Landroid M500 | 12 hr 30 min |
| Worx | WR143E | Landroid M1000 |  |
| Worx | WR147E | Landroid L1000 |  |
| Worx | WR165E | Landroid M500 Plus | 23 hr 30 min |
|  |  |  |  |
| [*Your mower?*](https://github.com/Barma-lej/landroid-card/edit/master/README.md) |  |  |  |

**If your lawnmower has been banned**

Services and app stopped working

* Go to [My Landroids](https://account.worxlandroid.com/product-items)
* Unlink your Landroid
* Open app on mobile device
* Add Landroid

**Development**

Want to contribute to the project?

First of all, thanks! Check [contributing guideline](https://github.com/Barma-lej/landroid-card/blob/master/CONTRIBUTING.md) for more information.

**Inspiration**

This project is heavily inspired by:

* [Malene Trab](https://github.com/MTrab/landroid_cloud) **Landroid Cloud** Integration
* [Denys Dovhan](https://github.com/denysdovhan/vacuum-card/) **Vacuum card**

Huge thanks for their ideas and efforts 👍

**License**

MIT © Barma-lej

**💡 Tip:** If you like this project just buy me a cup of ☕️ or 🥤:

[Buy Me A Coffee](https://www.buymeacoffee.com/barma)