

Application note:

GR-KL210 Wind / Hail scenes setting verification

Issue statement:

It came to our attention that some customers might encounter incorrect behavior of the Wind and/or Hail scenes, leading to potential damage to their installed devices.

As the digitalSTROM system brings the users maximum possible freedom in configuring the system's behavior to their liking, this feature also opens a potential for misconfiguration, leading to an unintended system reaction.

The following application note aims to help digitalSTROM users protect their property and verify the correct setting of their system.

It is assumed, that the devices of concern are properly calibrated. If not, please follow the Device calibration steps below first.

Warning:

This verification test might affect the current positions of all shading devices in the installation.

After finishing the verification procedure, restoring the required positions of the shading devices in the installation manually might be necessary.

Make sure to perform this verification test in favorable weather conditions (low wind, no storm or hail) to prevent a potential collision with the normal system functionality or damage to the shading devices.

Scene behavior verification

1. Run all the awnings in the installation to 50% position.
This can be done by buttons, from mobile phone app, or also from the web configurator.

From the **web configurator**, this can be done, for example, by navigating to the **Activities** tab, choosing the room in which the awning is located, and opening the **Shade Presets** menu.

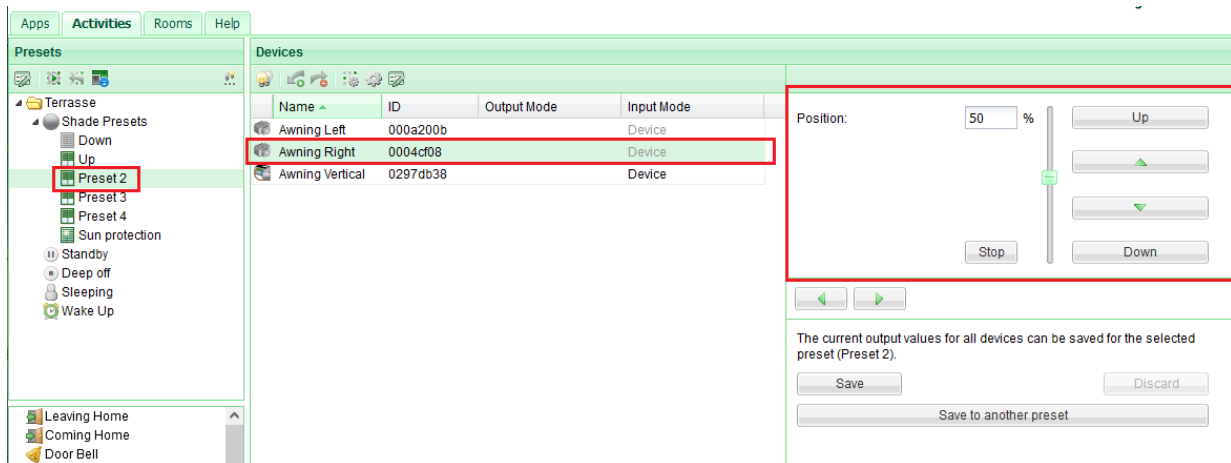
Under this menu:

- a. Choose any of the available scenes.
- b. Select the intended device.
- c. Wait for the current position to be read out from the device.
- d. Change the position to 50%.

Note: The scene value won't be saved to the device unless the "Save" button is clicked.

Therefore, the device effectively only changes its output, not changing the scene settings.

- e. Repeat steps a-d for all the devices with awnings in the installation.



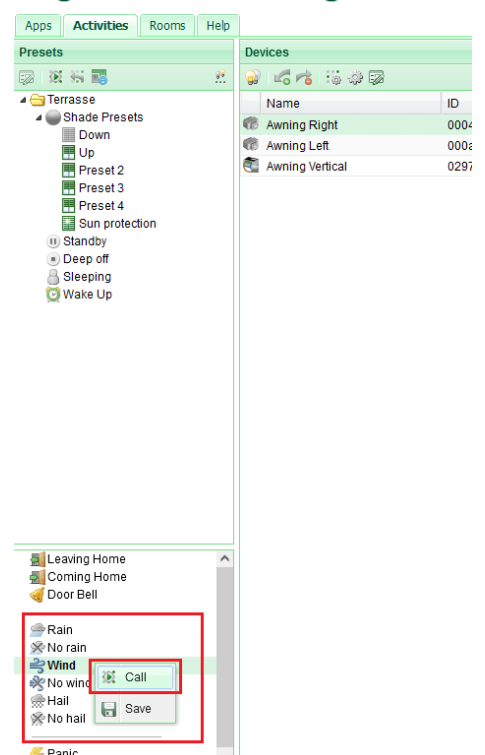
2. Verify the **Wind** scene configuration.

Navigate to the **Activities** tab in the web configurator, and in the left column menu, right-click the **Wind** scene and press **Call**.

After calling the **Wind** scene, all shading devices should go to the **not-extended** position, thus protecting themselves from the wind.

Give devices the necessary time to reach their final positions for the scene before continuing with the next step.

digitalSTROM Configurator

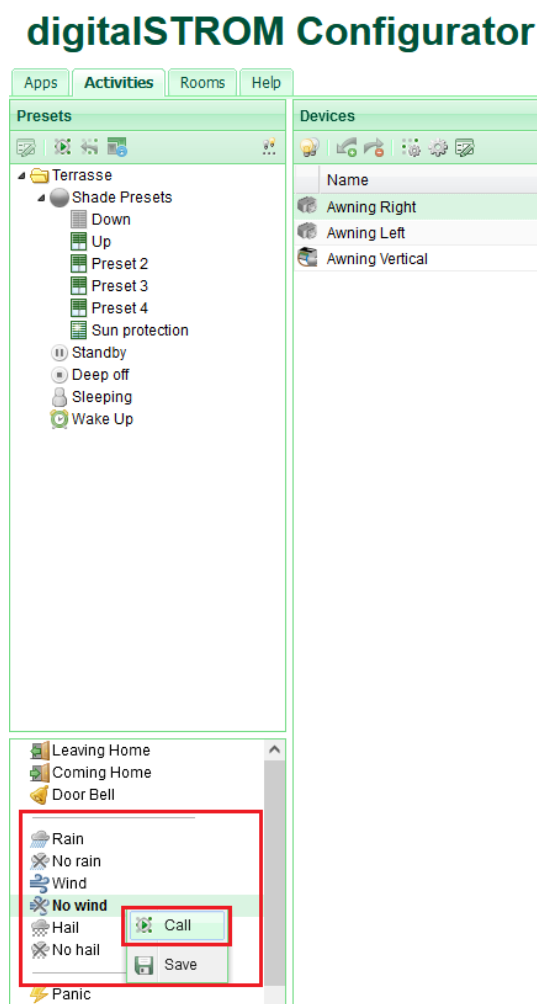


3. Visually verify the position of the awnings.

If there is any awning, that is extended, meaning not fully folded into a position where it can be maximally protected from wind or hail, note the device down.

4. In the same menu, call the No wind scene by right-clicking on the scene and pressing Call.

This step is **important** to release the warning present in the system and allow the devices to be operated normally.



5. Repeat the same process for the case of Hail. In this case, replace the Wind scene with Hail, and No wind scene with No hail.

6. After verifying behaviors for both Wind and Hail scenes, do the following:

In case that there was no such device, everything seems to be working as expected in the system, and you can continue enjoying the great functions it brings.

In case there was a device that was not reacting correctly – and is therefore noted down from the step 3. – continue to the next part **Fixing the scene setting**.

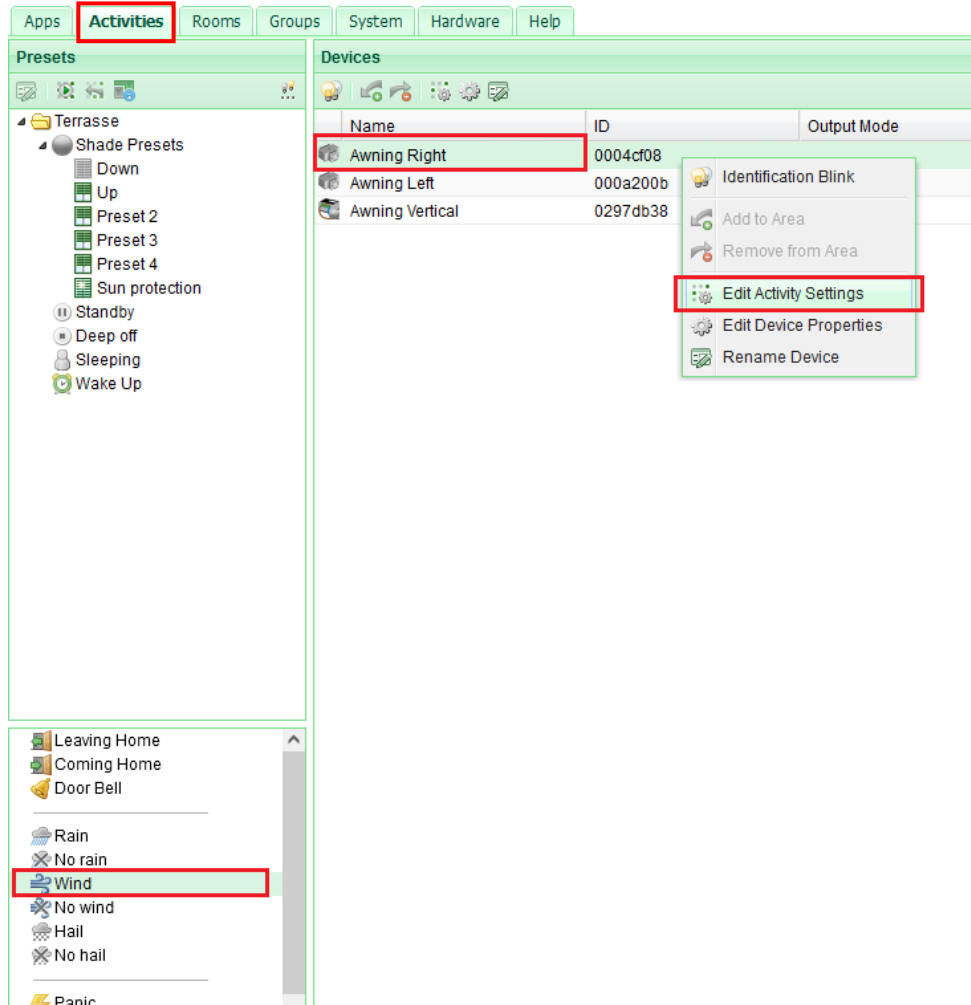
Fixing the scene setting

1. Re-calibrate the device (see the [Device calibration](#) section) and check the device's reaction on the malfunctioning scene **once again**.
Note: It is possible, that even-though the device was calibrated some time ago, it's settings could have been changed during the operation, which could influence the device's behavior.

In case you end-up in this point once again after the re-calibration and re-checking, please, continue with the point 2 instead.

2. Change the scene configuration.
 - a. Navigate to the [Activities](#) tab in the web configurator.
 - b. In the left column menu select the [Wind](#) scene.
 - c. Select the device with incorrect behavior (shall be noted down).
 - d. Right-click to open the menu and select [Edit Activity Settings](#).

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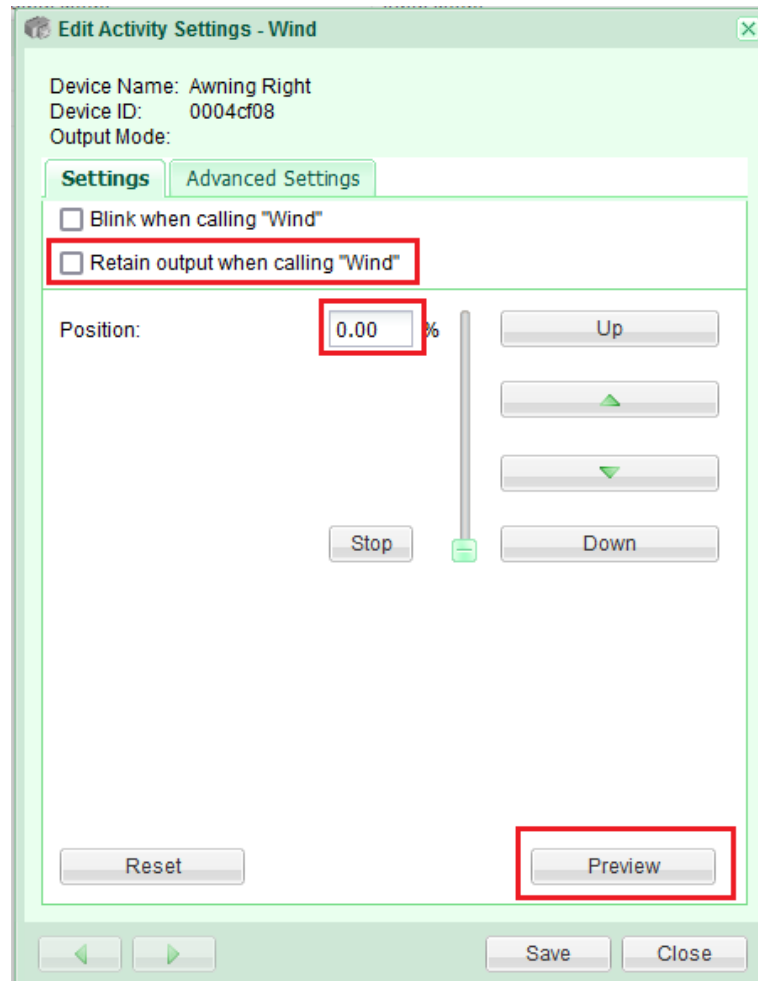
The screenshot shows the digitalSTROM Configurator interface. The 'Activities' tab is selected in the top navigation bar. The left sidebar shows a tree view of activities, with 'Wind' highlighted. The main area displays a table of devices with a context menu open over the 'Awning Right' device, showing the 'Edit Activity Settings' option.

Name	ID	Output Mode
Awning Right	0004cf08	
Awning Left	000a200b	
Awning Vertical	0297db38	

- e. Set the position of the device to **0% or 100%**, depending on what value represents the device being fully folded and click **Preview**.

Visually verify, that the device is truly folded and not extended.

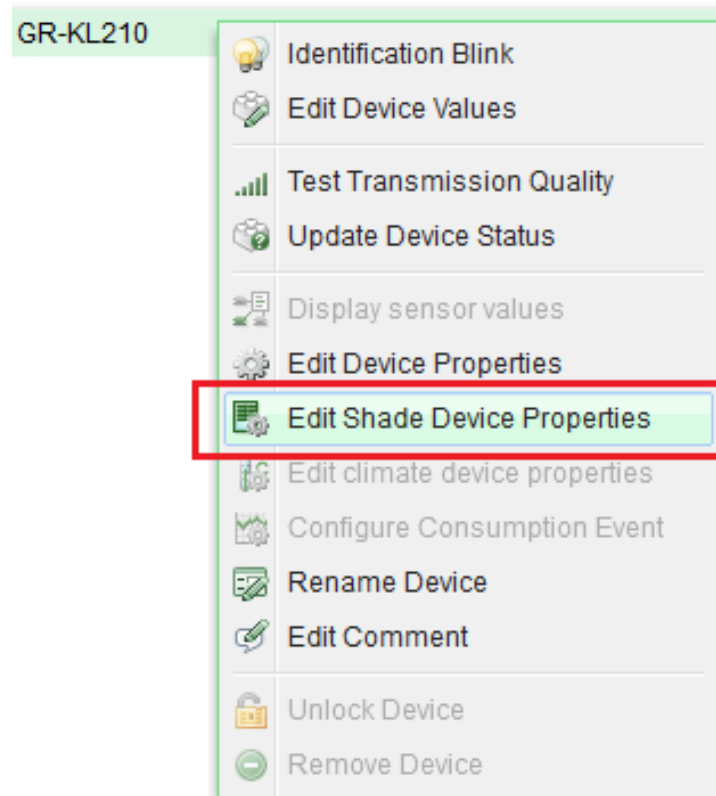
Make sure, that the Retain output when calling "Wind" is **unchecked** (as shown in the picture).



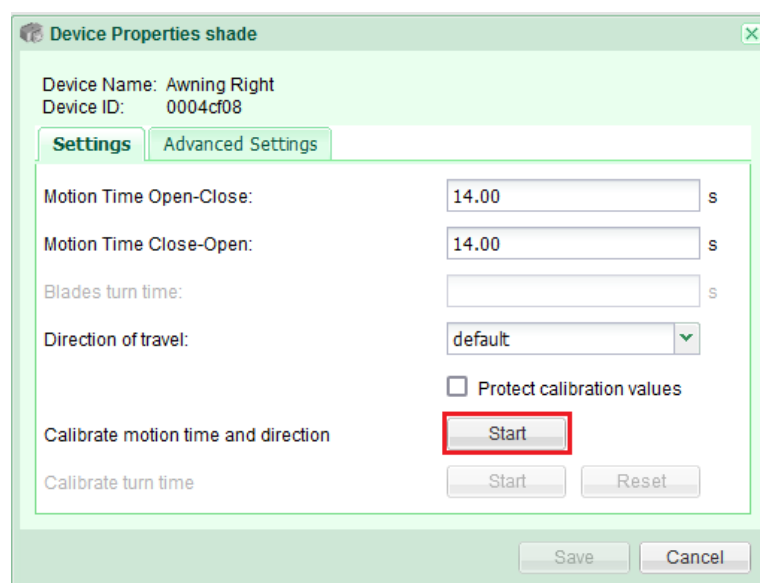
- f. After setting the position and visually verifying, that the awning is fully folded, click **Save**. The new setting for the scene is written to the device.
- g. Repeat the points a – f for all affected devices.
- h. Verify once again the scene behavior according to the process above.

Device calibration

1. Switch to the *Advanced View* (bottom right corner) and navigate to the **Hardware** tab, select dSM to which the device is connected, and select and right-click the device -> Edit Shade Device Properties menu.



2. Start the calibration process by clicking the Start button.



3. Follow the instructions displayed.