

Smart roller blind positioning

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This block helps to set roller position in relation to sun position.



Importing block

Download this json file:

• sun_tracking.json

Go to Node-red.

Press ctrl + i or I-i in your workplace or in top right corner press settings (three horizontal lines) and Import.

Import nodes				
Clipboard	Paste flow json or	▲ select a file to import		
Local	1			
Examples				
Import to current f	flow new flow			
			Cancel	

Enter here file or file content, press Import.

Block configuration

From now on there should be this block in *subflows*.



Drag this block to your flow and double click it. Enter your data here (latitude, longitude etc.).

Properties		
Name Name	Nan	ne
1 latitude	09	54.42
→ longitude	09	14.56
ip	a z	192.168.1.1
💄 login	a z	API_login
a password		API_password
i ∃ roller id	0 ₉	534
🗘 [%] of sun	09	100
☆ window location	NC	ORTH ~

For block to work properly you also need to download and install Node named node-red-contrib-sun-position.

User Settings		
		Close
View	Nodes Install	
Palette		▲ sort: ↓ = a-z recent
Keyboard	Q sun-pos	1/4610 🕱
	NodeRED nodes to get sun and moon position	
	 2.2.0-beta3 1 year, 5 months ago 	install

How to use configured block

Now you can just use *inject* block.



Just drag first block and plug in.



Press Deploy



and click on blue button.



Roller should point at sun.

If you want roller to point at sun for example every 15 minutes then double click on blue block and set repeat to interval and set interval to 15 minutes. If you also want for algorithm to start working after server restart, pick *Inject once after*.

	Inject once after	0.1 second	ls, then
C Repeat	interval	~	
	every 15		🔹 minutes 🗸

Now click on blue button, after **deploying** interval should start working.

Additional

If you want to change variable *percentage of the sun* (how much of sun light enters the room), you can just edit field in the *Sun tracking* block and enter value from 0 to 100.

🗘 [%] of sun	09	100	
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