

WizBulb



for



Version 2.5.0

Mai 20. 2022

History

It all really started with my wife. When the traditional incandescent bulbs disappeared and led bulbs started to come on the market the light was not right, it was too cold. After much trial and error, I finally found the solution. The filament bulbs from Wiz (<https://www.wizconnected.com>) had adjustable warm to cool white light and preset modes. New problem, the bulbs did not have support in my Homey. Well since I am a retired systems analyst and systems architect with almost 40 years of experience, I had to try to solve that problem even though I had no experience with NodeJS and Homey API. The result was this app that is described in this document.

Pairing

Before pairing, you must register the light bulb in the local Wi-Fi network. This must be done with the Wiz app which can be downloaded to a mobile phone. Follow the instructions in the Wiz app to get the bulb into the network. After this, the pairing of devices is straight forward. Select the type of bulb and the app will access the network and return the first available bulb of the type you are trying to pair. The bulbs must be paired one at a time. Only one type of filament bulb and one type of color bulb have been tested in the beginning, but the technical specifications are the same so that the corresponding types should work. The list of bulbs follows below.

Device	On/Off	Dimming	Temp.	RGB Color	Scenery	Tested
Filament LED						
(wizfilament)						
8718699787158	✓	✓	✓		✓	✓
8718699786694	✓	✓	✓		✓	
8718699787172	✓	✓	✓		✓	
Full color LED						
(wizcolor)						
8718699787059	✓	✓	✓	✓	✓	✓
8718699786199	✓	✓	✓	✓	✓	
8719514551275	✓	✓	✓	✓	✓	
Normal LED						
(wizsimple)						
8718699785031	✓	✓				
8718699785079	✓	✓				
8718699785116	✓	✓				
Ceiling lamp						
(plafond)						
8719514337978	✓	✓	✓	✓	✓	✓
8719514337992	✓	✓	✓	✓	✓	
8719514338012	✓	✓	✓	✓	✓	
8719514338036	✓	✓	✓	✓	✓	
Smart plug						
8718699789329	✓					

Wiz supplies several light bulbs, but I have not included these in the table as I am a little unsure of specifications. However, most of the Wiz bulbs should work as it appears that the interface should be the same.

New in version 2.4.0

Support is added for WIZ CONNECT ceiling lamps. The lamps have on/off, dimming a tunable white functionality. Only one of the lamps are tested, but all of them appears to have the same interface.

New in version 2.5.0

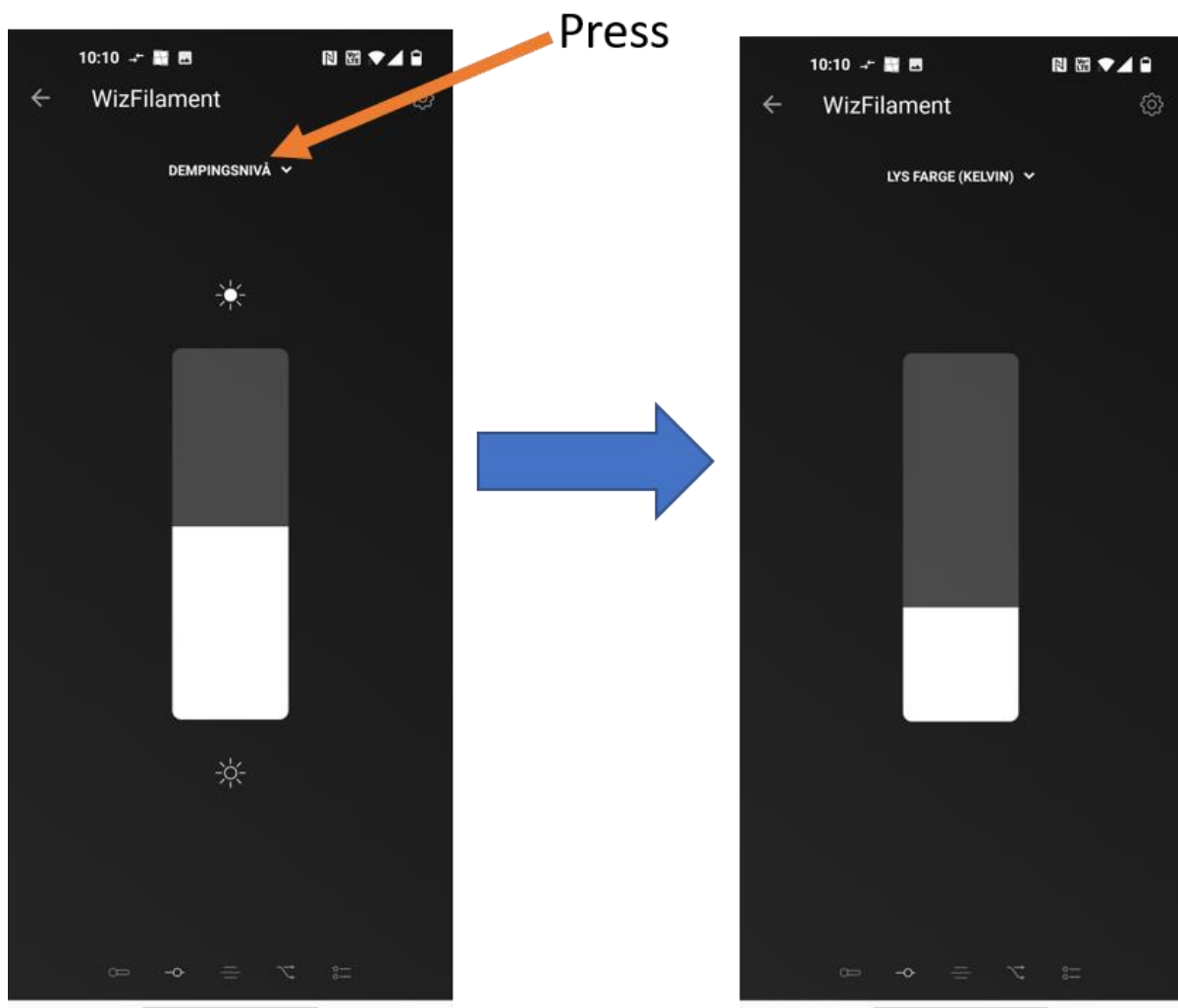
Support is added for WIZ CONNECT smart switch. The switch has only on/off functionality.

How it works!

The application handles the bulbs as similar as possible to the standard "light class" in Homey. The deviation is the adjustment of light tone (kelvin) from warm to cold light and the choice of the Wiz light bulb's scenery. These will be described below, while the other functions will not be discussed.

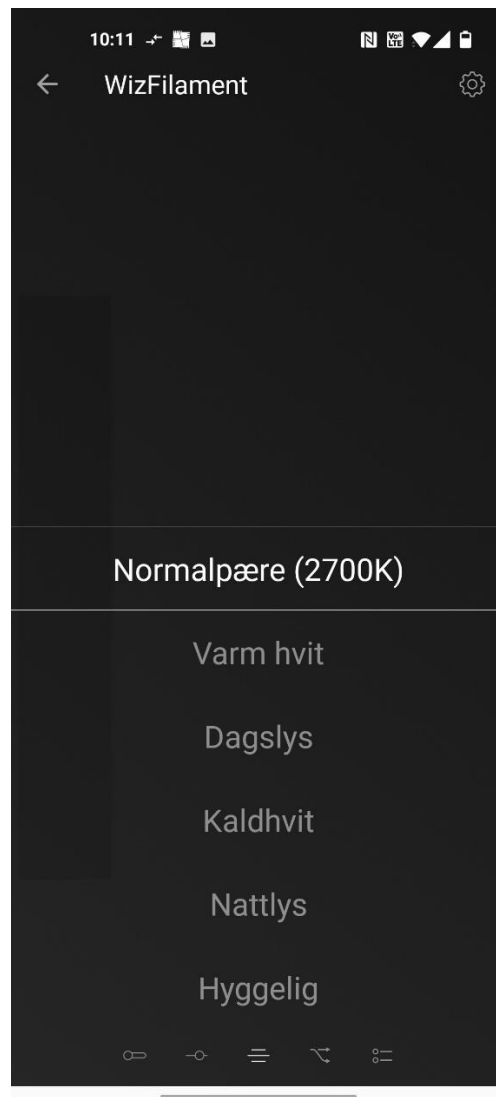
Kelvin adjustment

Adjustment of Kelvin is built up as a standard SLIDER in Homey. This means that it comes up in the SLIDER group along with DIMMING of brightness. Normally, the latter will appear when sliders are displayed. By pressing the heading on the DIMMING slider, you will be able to select the Kelvin slider.



Wiz bulb scenery

The Wiz bulb scenery is a preset "program" in the bulb. When selecting a scenery, the bulb will enter a predetermined setup and display it. A limited set of scenery is found in the Wiz filament bulb, while the color bulb has far more sceneries. Selection of scenery is done in a standard PICKER screen.



Summary

The WizBulb app is not based on an official API and can therefore not be guaranteed to work forever. However, the app works for me and is used daily in conjunction with my Homey Pro. The app is shared because there were several who were interested in managing Wiz bulbs via Homey but is developed for my own use.