

# hortiOne

LED GROW LIGHTS



Knob & Bluetooth



## DIMMER

**Knob + Bluetooth**  
(DCG-BLE)

hortiONE Dimmer Knob & Bluetooth can simultaneously control up to 3 LED drivers. hortiONE 420 / 600 models are plug & play. The supply voltage comes either directly from a driver with 12V AUX. If this is not available, a USB charger with USB-A interface can be used. Thus, the dimmer is compatible with all 0-10V dimmable drivers. Included are 3 cables for hortiONE LED. These can optionally be removed and all compatible drivers can be connected (DIY). There are 3 function modes: 1. KNOB, 2. Bluetooth (Directly from smartphone to dimmer) with timing and Sunrise / Sunset function. 3. Bluetooth with gateway (Smart) so the dimmer can be controlled via a cloud and also connected to external sensors.



### Connection for 3 LED drivers

Plug & Play for hortiONE 420 / 600 compatible with 0-10V dimmable driver



**Bluetooth antenna**

App Control



**USB-Type B**

Optional: power supply for driver without 12V AUX



**Knob**

Modes:

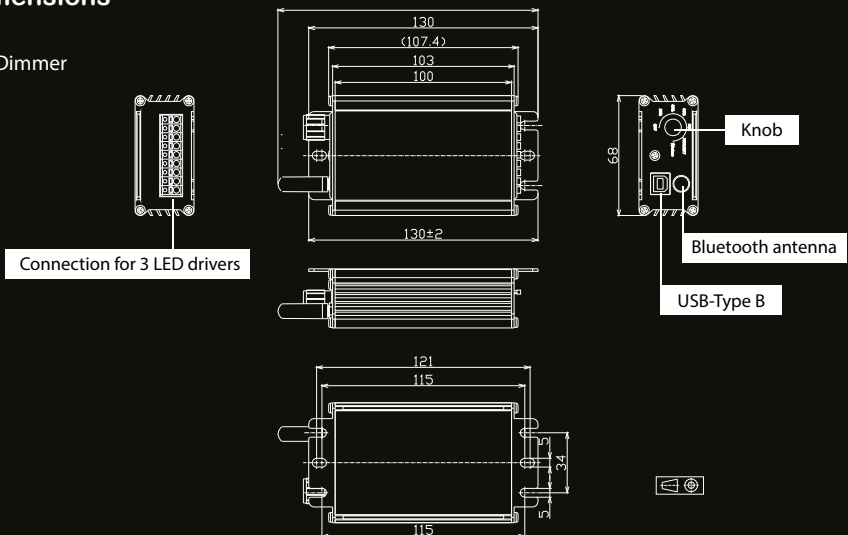
Off - 20% - 40% - 60% - 80% - 100%

Wireless (Bluetooth)

<b>Input</b>	LED driver 12V AUX or powered by USB +5V	
<b>Output</b>	0-10 VDC	
<b>Maximum dimming load</b>	100 mA	
<b>Channel</b>	1	
<b>Number of connections</b>	Can connect up to 3 LED driver	3
<b>Max ambient air temperature</b>	Indoor use only	50 °C
<b>Warranty</b>	2 years	
<b>Dimensions</b>	130x68x34 mm	

## Dimensions

### 01. Dimmer



### 02. Wire



940mm

## 01. Knob-dimming

When the knob is used for dimming, the bluetooth chip is deactivated and not powered!



Output power is x % of maximum

### Modes

- OFF : Dimm off
- 20%
- 40%
- 60%
- 80%
- 100%
- Wireless: Bluetooth mode

## 02. Bluetooth direct

Power Off / Power On Stepless dimming from 1-100%  
Schedules: (daily light on / off)  
Sunrise / sunset function

The connection is solely between the dimmer and the smartphone. Both units must be inside the signal range. Distance is depending on the environment



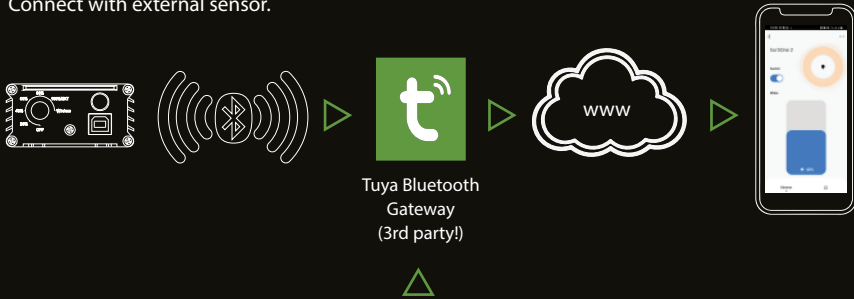
Download tuya smart app. (Android and Apple)

Scan QR-Code on the side or search for "Tuya smart" app.



### 03. Bluetooth smart (requires Gateway!)

Control your grow light via Internet - Connect with external services (Alexa, Google,..)  
Connect with external sensor.



CO2 sensor

Light sensor

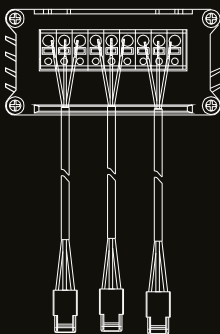
Humidity / Temperature sensor

You can monitor sensor values in the same app. These values can also be used to control your LED grow light. Samples: Increase light intensity when the CO2 value is above \*\*\* ppm (a defined level)

Note: The required gateway and sensors are 3rd party components and not provided by hortiONE.

### Connection

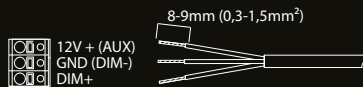
#### hortiONE 420 / 600



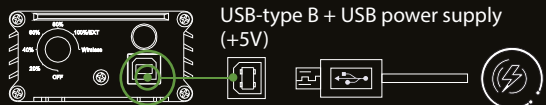
Connect to your hortiONE 420/600 LED GROW LIGHT (plug n play)

#### 3rd Party LED driver (USB power supply)

0/1-10V dimmable LED driver only!



#### 3rd Party LED driver (USB power supply)



## 01. Schließen Sie den Dimmer mit Ihrem LED -Treiber an

Der LED -Treiber muss an Elektrizität (Wechselstromauslass) angeschlossen sein. Hortione 200 und Hortione 600 sind Plug N Play. Wenn Sie einen LED -Treiber der Drittanbieter ohne 12 -V -Aux -Verbindung verwenden, muss ein separates USB -Netzteil (Typ B) verwendet werden. Wenn mehr als ein LED-Fahrer konnciert ist, muss nur einer von ihnen einen 12-V-Aux-Port als Stromquelle haben.

## 02. Stellen Sie den Knopf auf drahtlos ein

Die angeschlossene LED -Wachstumlicht blinkt einmal einmal

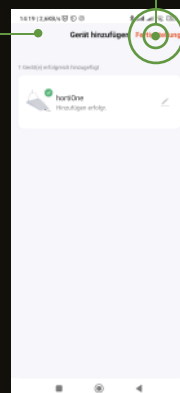
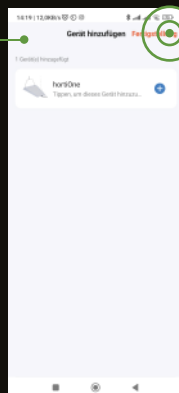
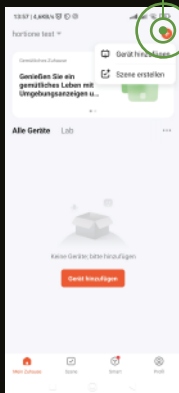
## 03. Öffnen Sie die Tuya -App und fügen Sie den Dimmer hinzu

Scannen Sie den QR-Code auf der ersten Seite oder suchen Sie in Ihrem App Store nach Tuya Smart. Starten Sie die Tuya -App. Bluetooth muss aktiviert werden!

Press the (+) and add device or use the orange button: Add device

The Dimmer should be found automatically  
1. Click Add device 2. Click on the (+)

Click on "Finalize"



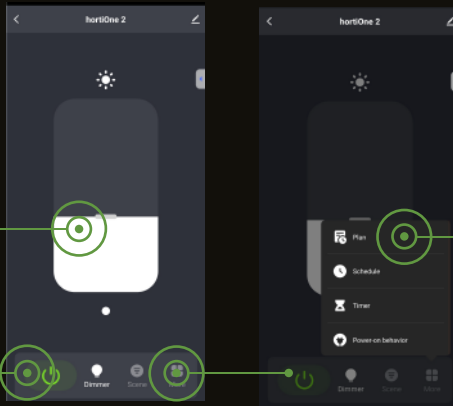
Attention: If you have problems connecting OR want to connect the dimmer to a new smartphone, you should reset the dimmer by turning the rotary knob 8 times between the last two positions (100% / wireless).



## Using the app

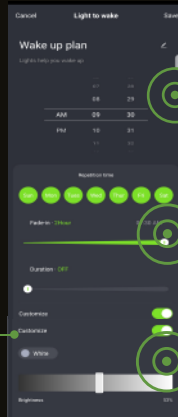
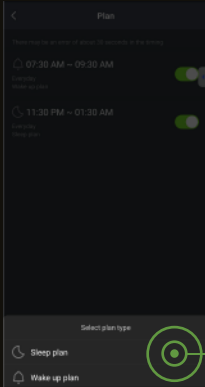
Stepless Diming 1 - 100%

Power On Power Off



See next Section:  
Timer Sunrise /  
Sunset

## Setting up a timer - Sunrise / Sunset

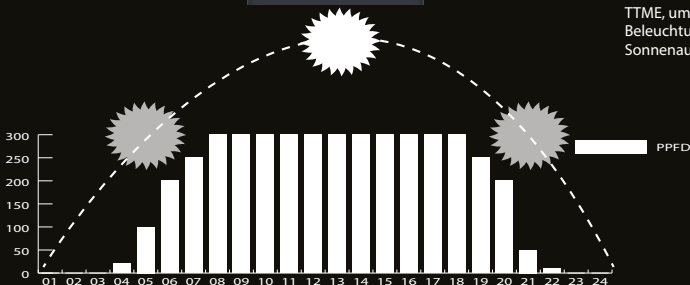


Startzeit festlegen!

Set Fade-In  
(Sonnenaufgang)  
bis zu 2 Stunden

Set the maximum  
intensity for the  
sunrise

Wiederholen Sie dies mit  
TTIME, um zu schlafen, um die  
Beleuchtungszeit und die  
Sonnenaufgangszeit zu richten



# hortiOne

LED GROW LIGHTS

