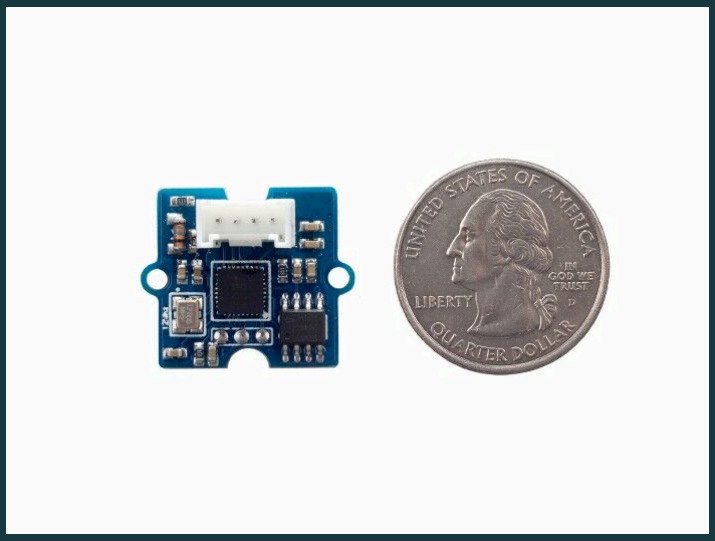
seeed studio

INDUSTRIAL PRODUCT DATASHEET

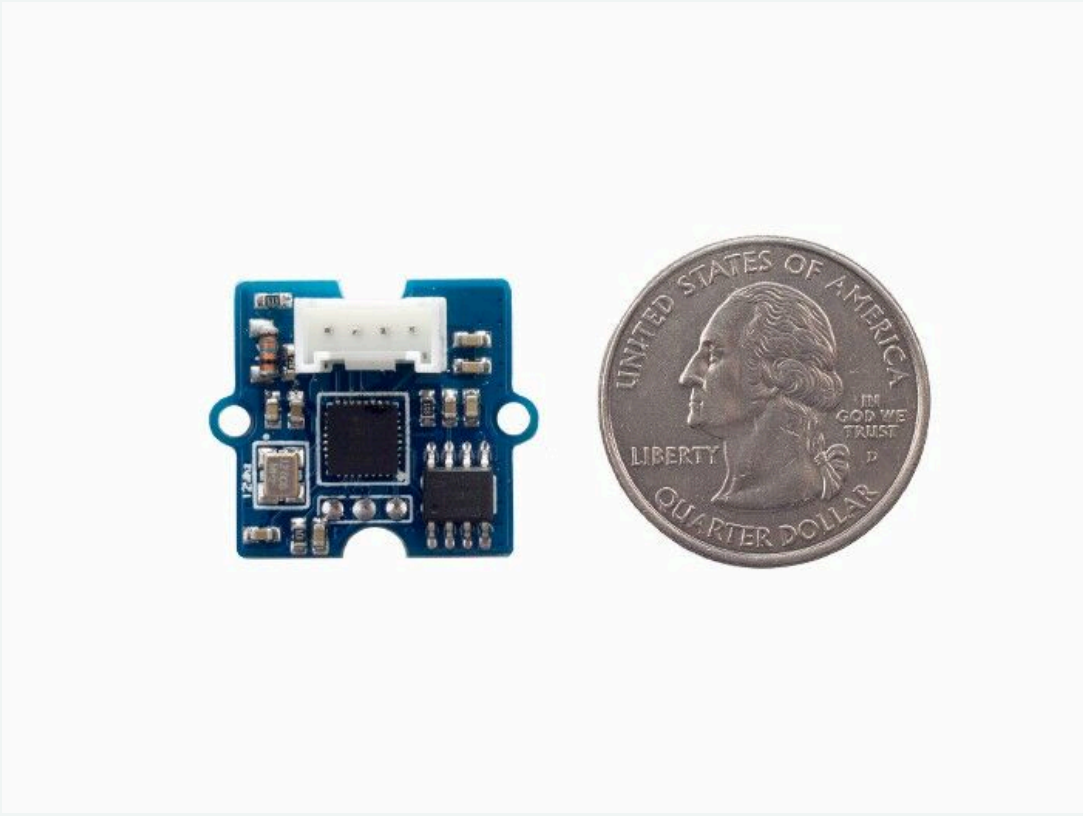
Grove - Heelight Sensor

Grove - Heelight Sensor: A digital voice recognition module for Arduino, supporting over 500 voice commands without wireless connectivity.

SKU	UPDATED	PRICE
101020312	2025-07-30 07:44:27	$8.70(Excl. VAT)



Overview



The Grove - Heelight Sensor is a smart voice sensor that recognizes up to 500 digital voice commands, enabling non-contact control without Bluetooth, WiFi, or Zigbee. Compatible with the Grove system, it brings smart control to Arduino-based projects using digital sound waves.

Key Features

Description
Grove – Heelight Sensor is a smart voice sensor that can recognize up to **500 digital voice commands**(Click to download the voice file). It was originally used on the **Heelight** – a smart colorful bulb that can be controlled by digital sound waves. With the heelight sensor, there is no need for bluetooth, wifi, or zigbee to do non-contact light control. Now we introduce this sensor into the small and neat Grove modules, allow you to realize smart control in your Arduino – based projects.

Note: Please note that this sensor can only recognize **digital** voice. If you need human voice recognition module, please consider the **Respeaker** or **Grove - Speech Recognizer**.

Features

- Digital Voice Recognition
- Support over 500 digital voice commands
- Compatible with the Grove system

Alternative Choice

If you want to use Heelight Sensor on a bread board or integrate it to your own product/PCBA, there's a better choice for you---**Heelight Core**.

One More Thing

With the SenseCAP **S2110 controller** and **S2100 data logger**, you can easily turn the Grove into a LoRaWAN® sensor. Seeed not only helps you with prototyping but also offers you the possibility to expand your project with the SenseCAP series of robust **industrial sensors**.

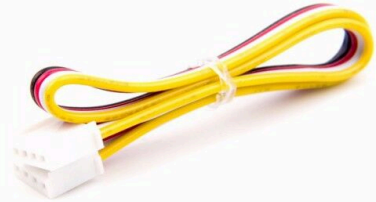
The IP66 housing, Bluetooth configuration, compatibility with the global LoRaWAN® network, built-in 19 Ah battery, and powerful support from APP make the **SenseCAP S210x** the best choice for industrial applications. The series includes sensors for soil moisture, air temperature and humidity, light intensity, CO2, EC, and an 8-in-1 weather station. Try the latest SenseCAP S210x for your next successful industrial project.

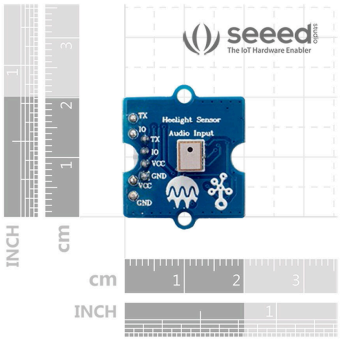
Technical Details
Technical details

Product Gallery









Part List

Grove - Heelight Sensor	1
Grove cable	1

Compliance & Logistics



HSCODE	9031809090
USHSCODE	9031808085
EUHSCODE	9013101000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Grove-Heelight-Sensor.html
- Website of Heelight
- 500+ digital voice audio
- Example Code

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