

# 31167 Haunted Mansion

- Installation requires a lot of patience and great observation that your LEGO bricks will come alive when you get this finished. The bricks with lighting as below, so make sure you're ready and let's get started.



# Strategies for the Installation

This instruction divides three sections to complete the installation of the lighting set.

## **Section A:** Check the type and quantity of components.

The quantity and type of components of each products are different and it needs to be carefully checked to make sure there do have enough material. The type of components is indicated by the label on the bag.

## **Section B:** Test that each components is working properly.

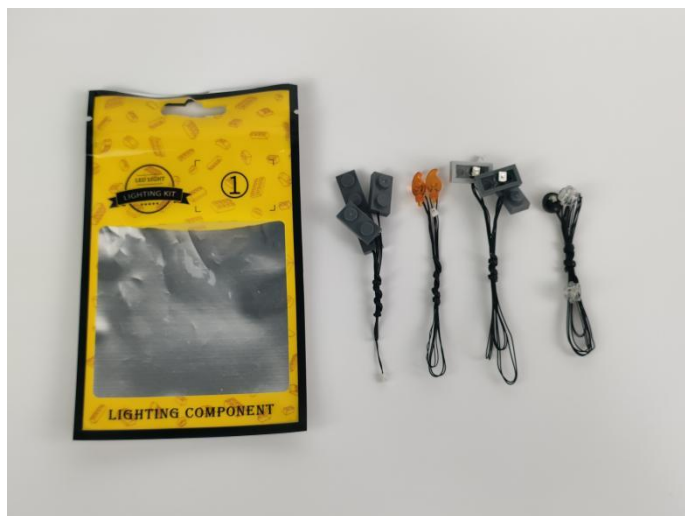
Each components is made individually so it is necessary to test that each components is working properly to avoid the situation that the lighting does not work .

## **Section C:** laying out components following the instruction.

Our material is very small but not fragile, just be reminded that don't to pull the wires too hard. For different people, there may be some installation steps that you can't understand. Please look at the previous and later installation step.

## Section A: Check the type and quantity of components.

This set contains four bags labelled "1" "2" "3" "4", please make sure that the components in each bag are the same as shown in the pictures.



Please contact us immediately if there have any missing components.

## Section B: Test that each components is working properly.

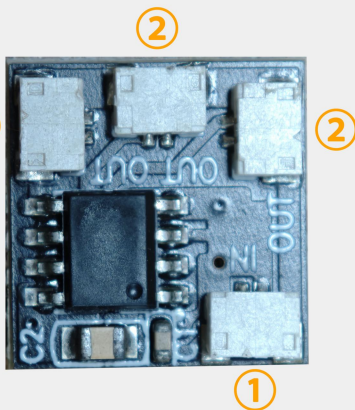
Take out the flame module and usb power cord from "No. 2 bag " and the " No. 4 bag" .



The connection method between the usb power cord and flame module is as follows:



## Flame Module



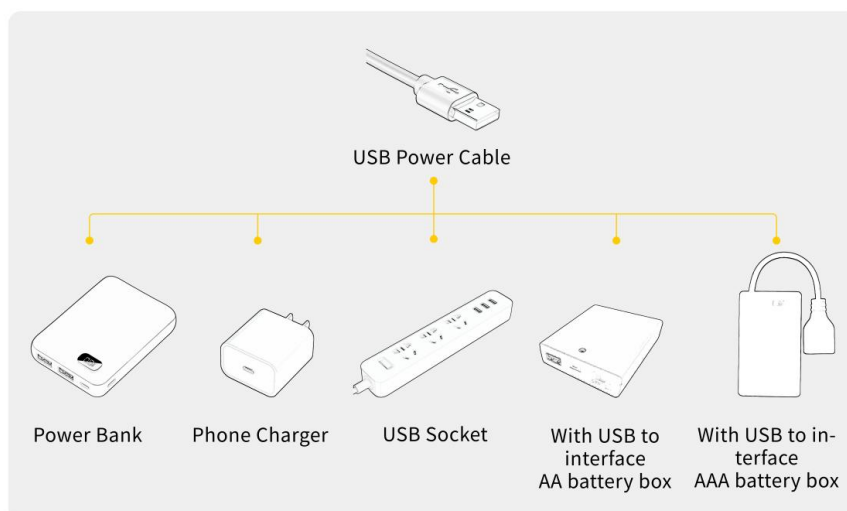
①: Power input port (IN), connect to a power source, 5V DC.

②: Power output port (OUT), simulates the flickering frequency of flames.

PS: The flickering frequencies of the three power output ports (OUT) are independent and not synchronized.

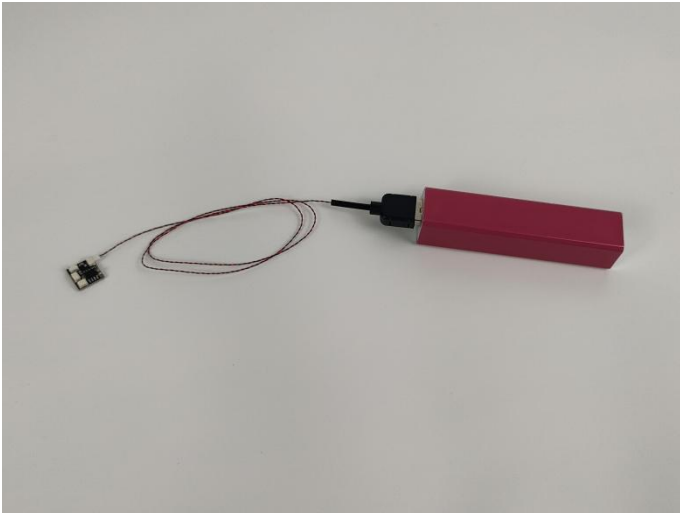
The usb power cord can be powered by phone chargers, power banks,etc.

## USB Connectors to Connect Devices

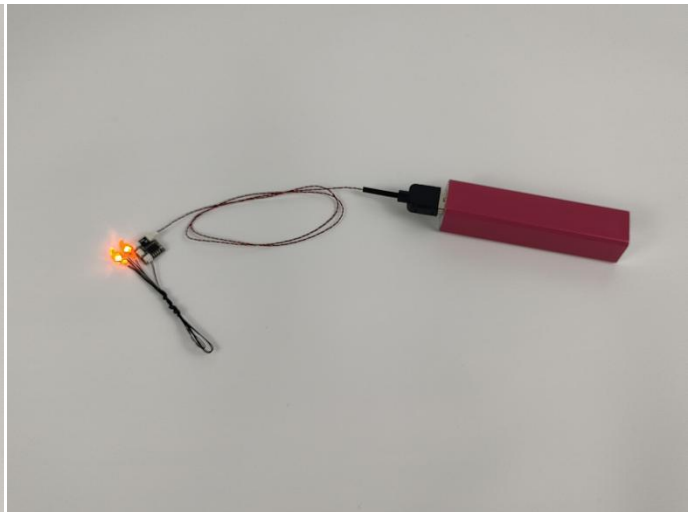




**This instruction will use the power bank as power supply . The test structure is shown as follow. All lamp in this set will be tested by this structure.**



**When we test the "①" lighting fixtures, remove one of them and connect it to the flame module. Turn on the portable power bank, and the light string will light up normally, as shown in the figure below.**



**Test each lamp according to this method. It should be noted that after the test, the lamp must be returned to the corresponding bag to avoid confusion of types.**



## Section C: laying out components following the instruction.

1



2



3



4



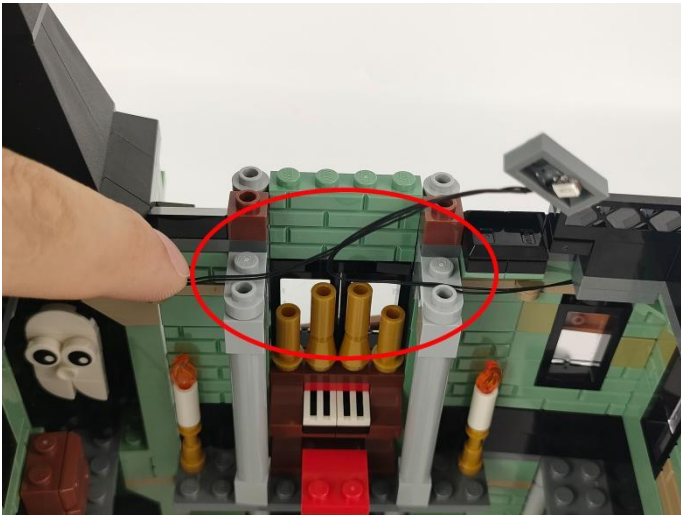
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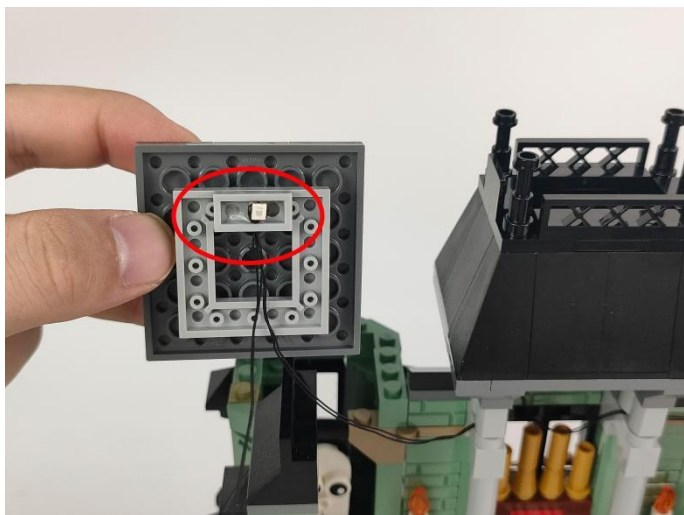




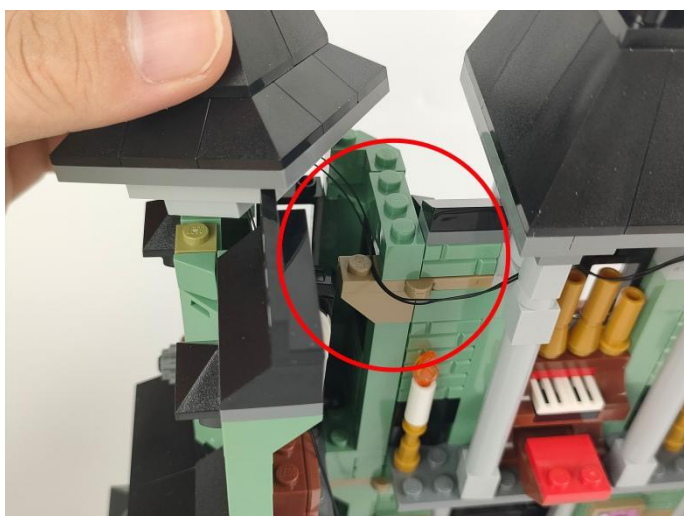
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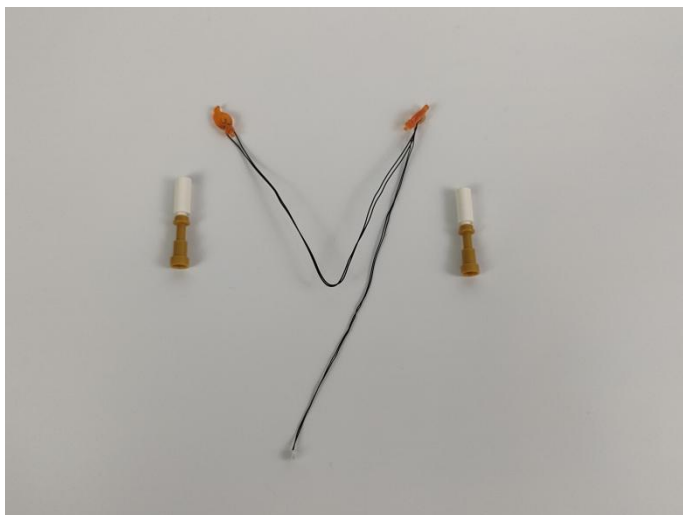
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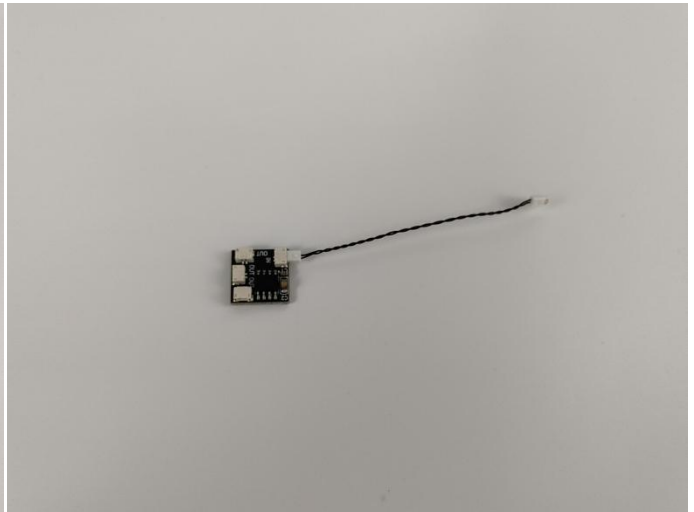


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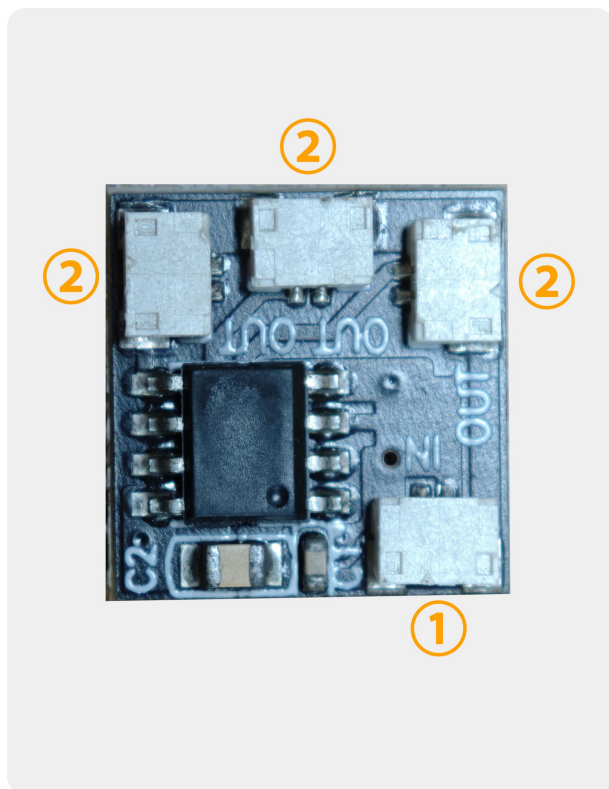


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## Flame Module



①: Power input port (IN), connect to a power source, 5V DC.

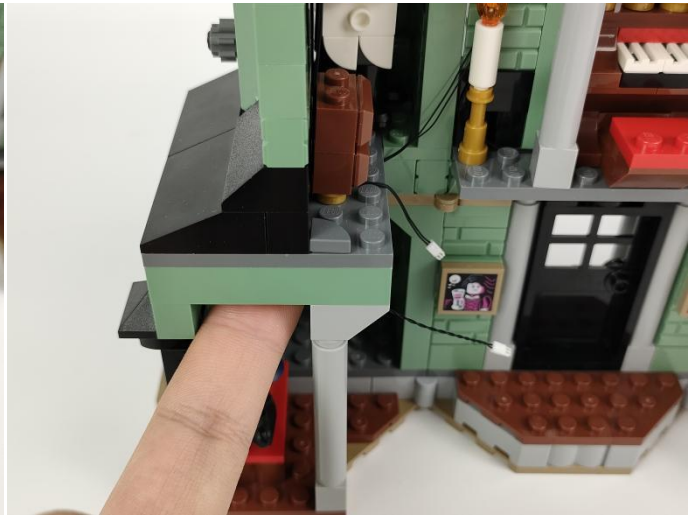
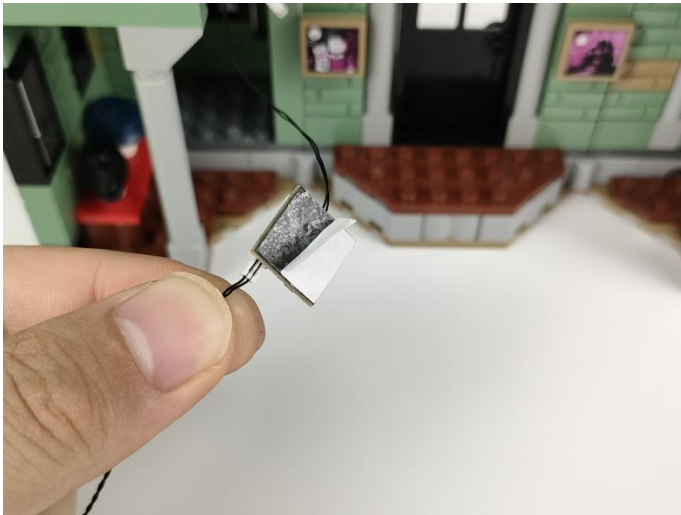
②: Power output port (OUT), simulates the flickering frequency of flames.

PS: The flickering frequencies of the three power output ports (OUT) are independent and not synchronized.

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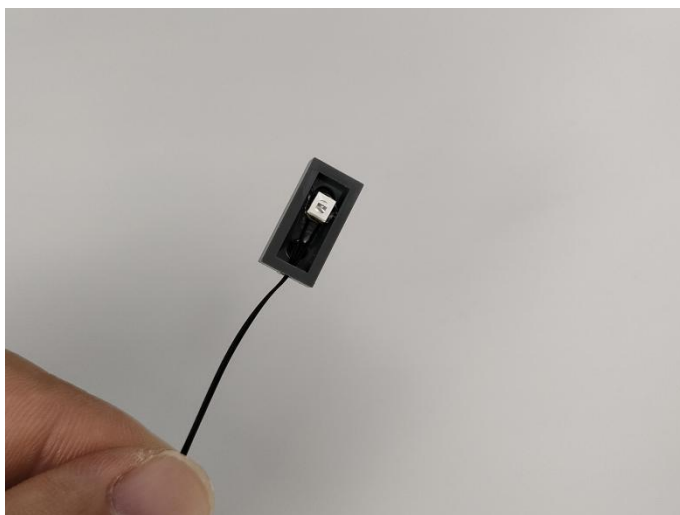


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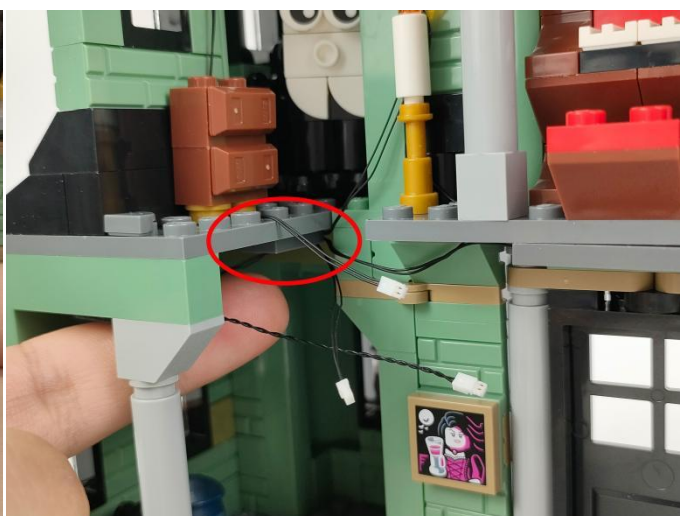
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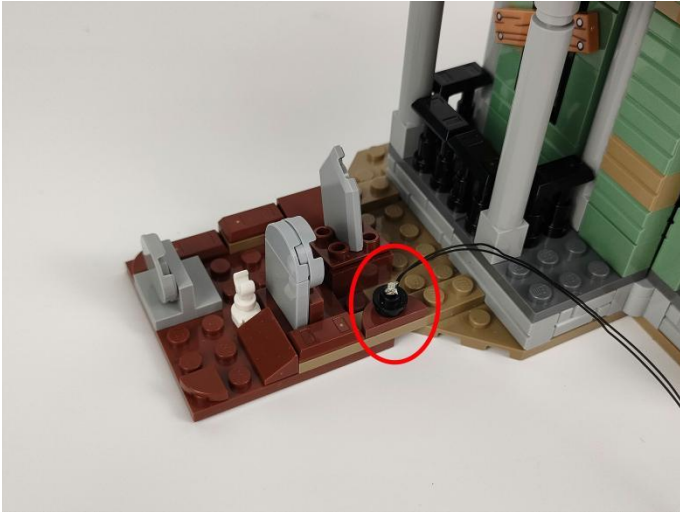
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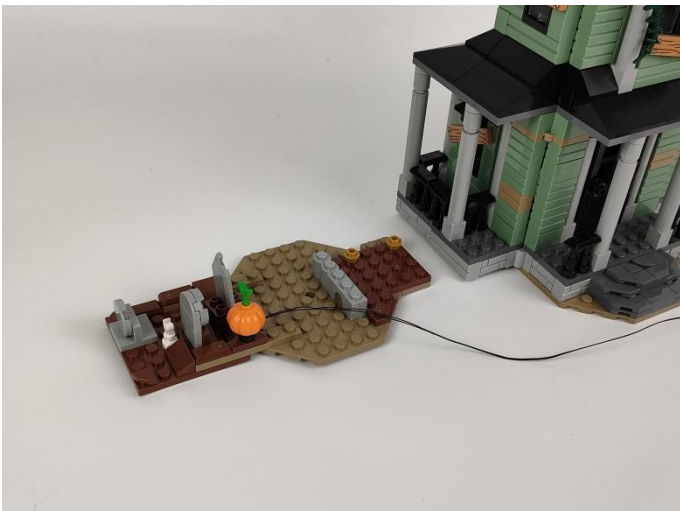
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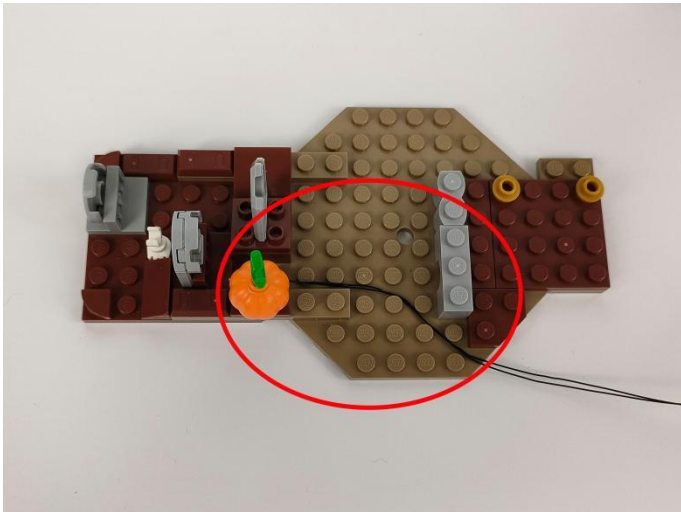
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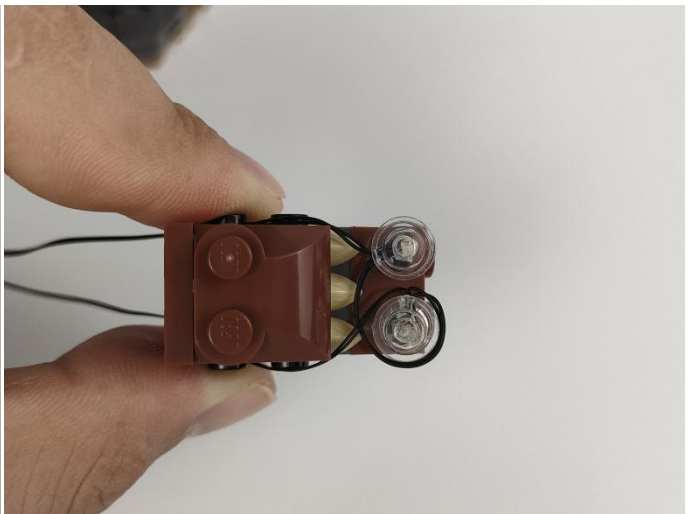
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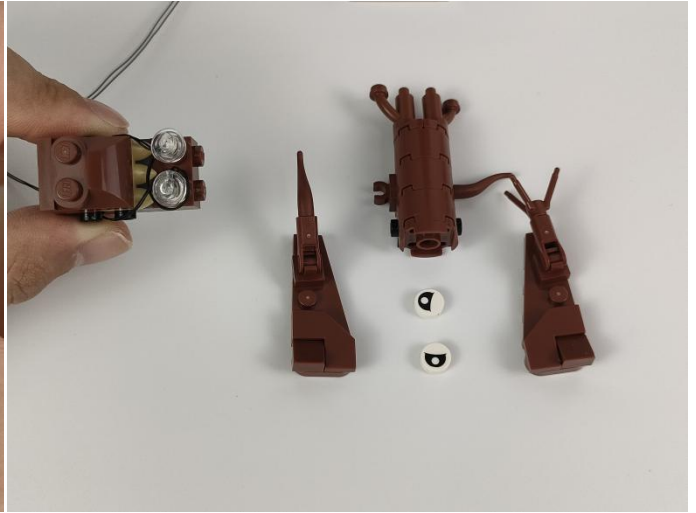
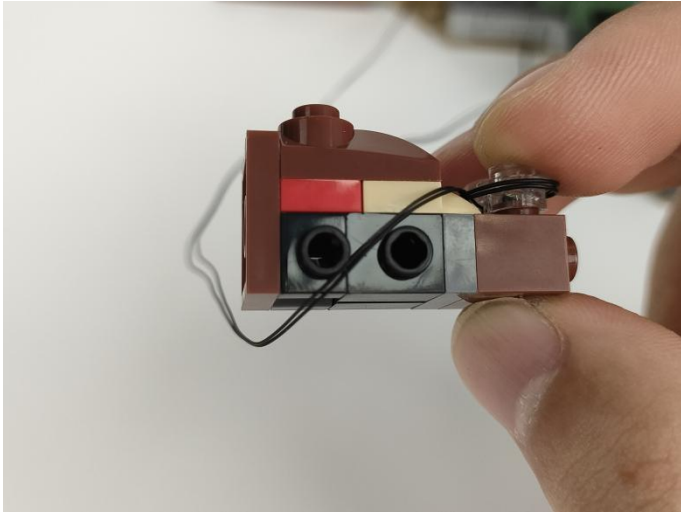
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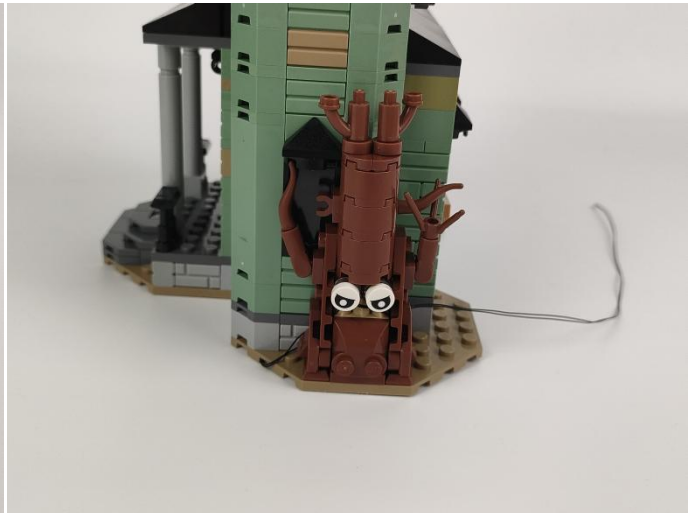
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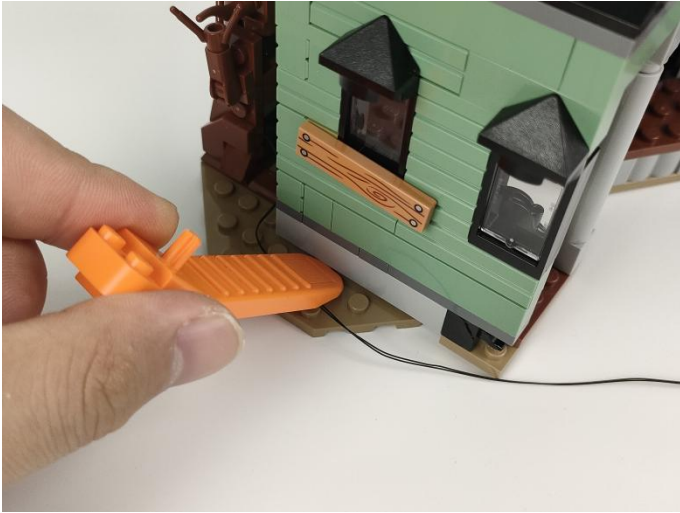
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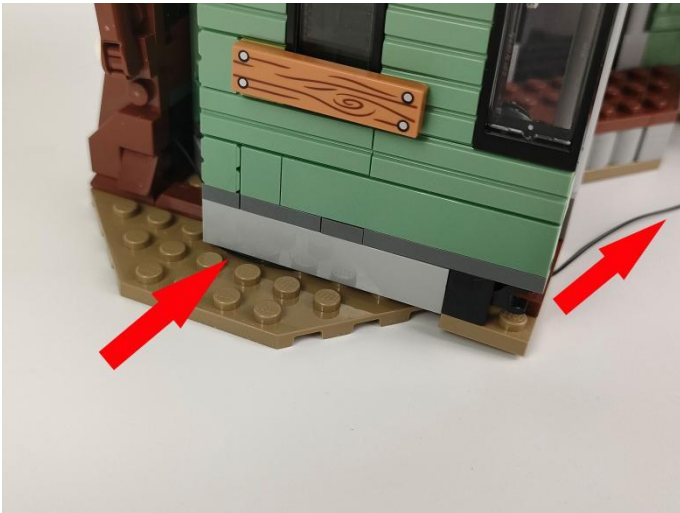
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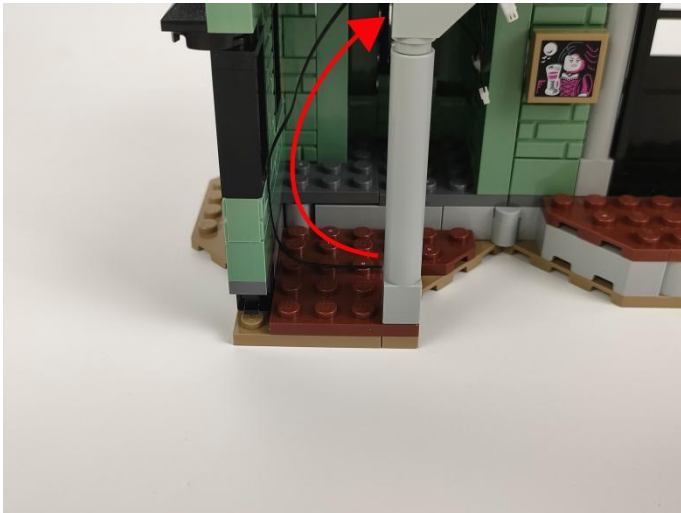




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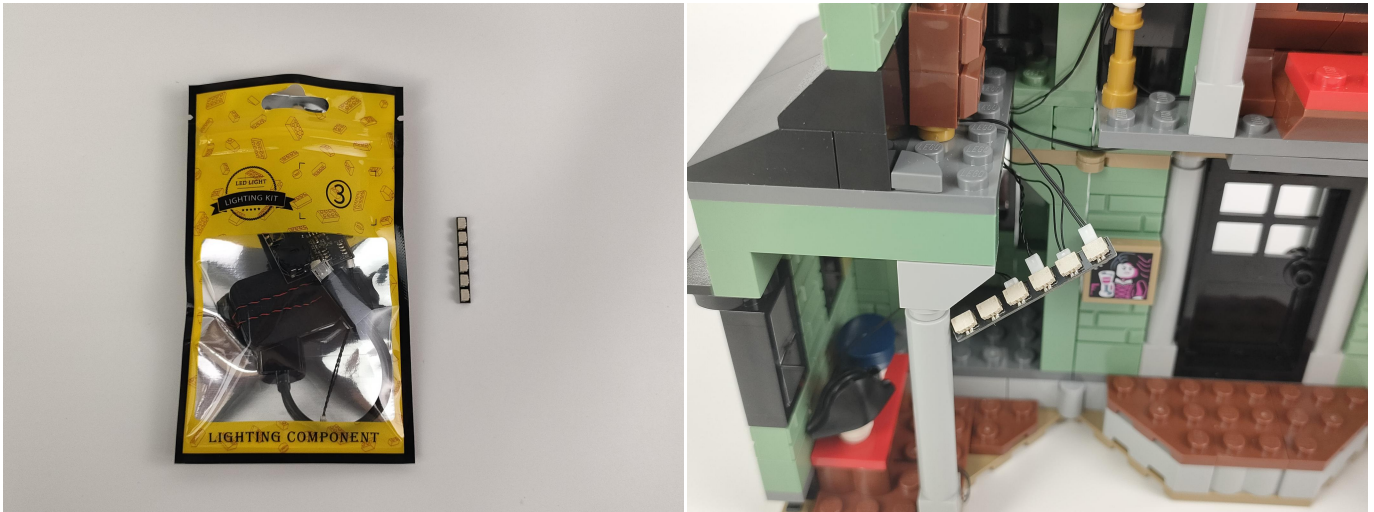


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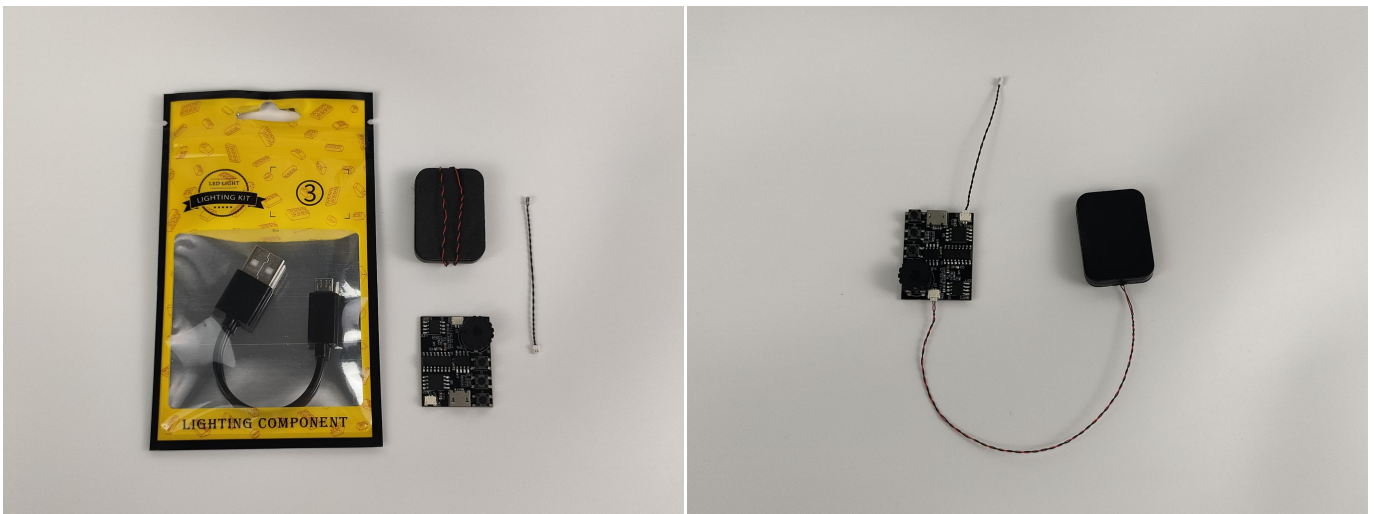


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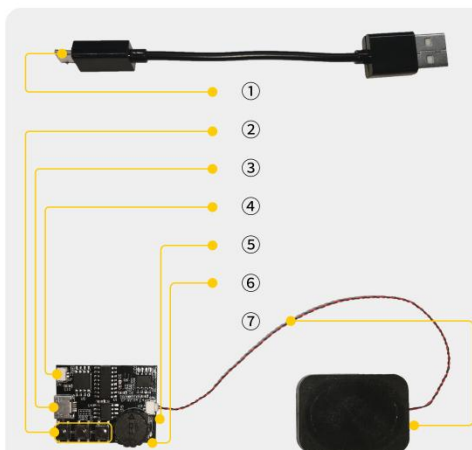


**55. Take out the music module, external speaker, and a 5cm cable from Bag 3, and then connect them together as shown in the diagram. Remember not to connect the light cable to the wrong port, as this may cause the module to short circuit.**





## Music Module Function Introduce

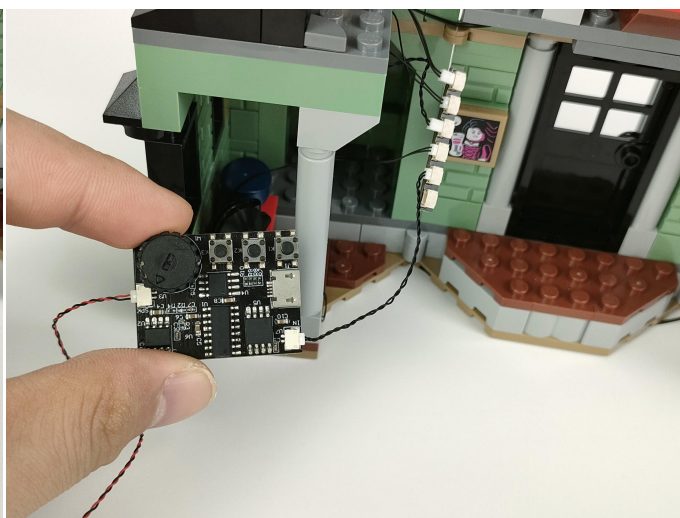
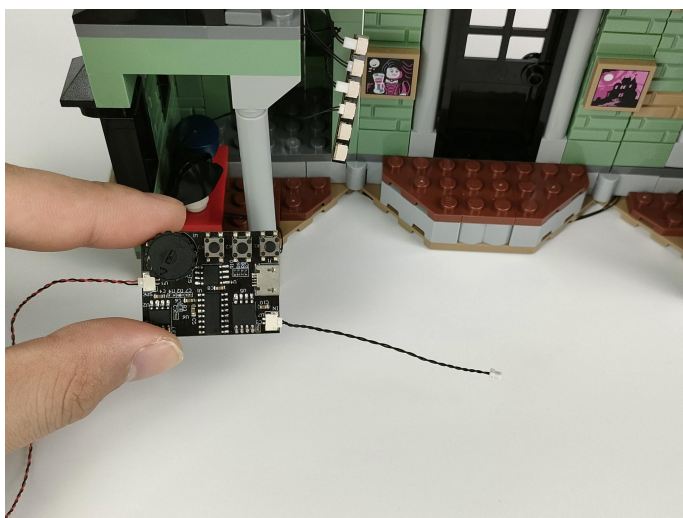


### TIPS:

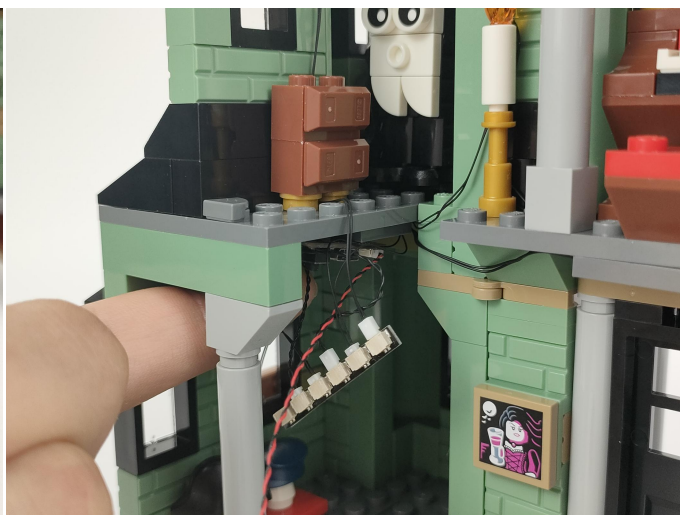
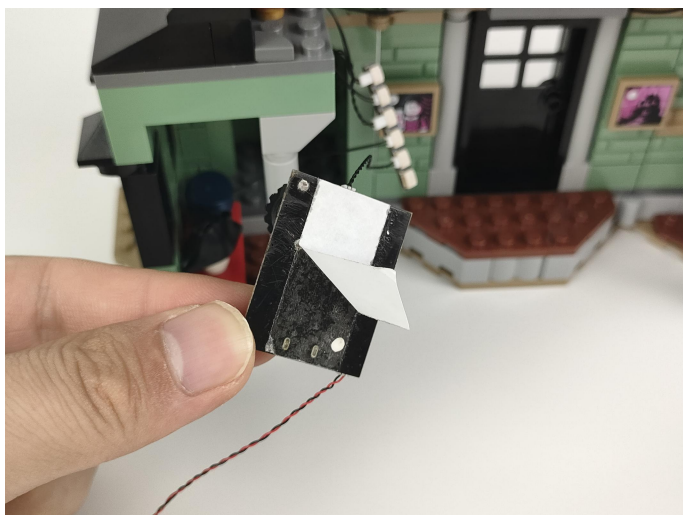
This module function is similar to MP3. Imports your favorite music files into the module through the data cable, and then switch on the module to play the stored music. Music files can be replaced arbitrarily.

- ① **USB data cable:** used to connect modules to the computer to replace music files.
- ② **The music control button:** from left to right, is "previous song", "pause/play", "next song".
- ③ **Micro-USB port:** music transmission port, it is recommended to use the music format MP3 file, the built-in capacity of the module is 16MB.
- ④ **The power input port:** used to supply power to the module, and the voltage is 5V DC power.
- ⑤ **The speaker interface**
- ⑥ **The volume control button:** rotate button to adjust the volume .
- ⑦ **The speaker**

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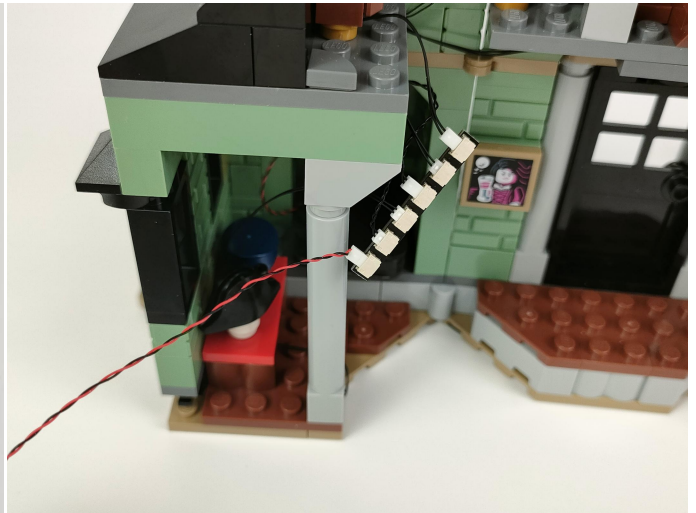




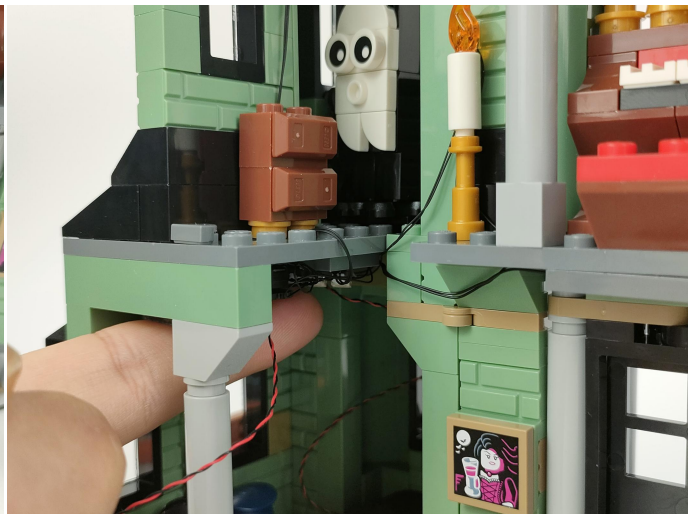
**58.Insert the external speaker into the interior of the building block.**



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**61.The flickering of the candle is normal because it is connected to the flame module.**



**Good job, you've done all the installation steps, power it up and enjoy your work.**



The battery box can also power the set. If it is necessary to change the power supply , prepare three aaa batteries, install them in the battery box, turn on the switch on the battery box, remove the plug of the usb power cable from the socket of the expansion board,plug the plug of the battery box to the same socket in the expansion board to power the suit as well.

**THANKS**

## **Tips**

If you encounter any installation problems please contact the seller, we will be happy to help you solve!