Bluetooth Wall Switch User Manual
藍牙牆壁開關用户手冊



(Socket 86 Type, 1-4 Gangs 插座86類型,1-4位)

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Safety Instruction

Cautions & Warnings

Read and understand the instructions in this user manual very carefully before installation and for further reference.

This product may generate noise. Please connect a proper AC noise filter as shown in Diagram (i) on right hand side to Prevent Noise Infiltration and Leakage. In every country around the world, immunity against external noise or limits for leakage noise are provided, and devices need to conform to these. EMC filters for AC power lines are used in order to meet such standards. It is necessary to select filters that are approved in the safety standards of the country where the filters are used.

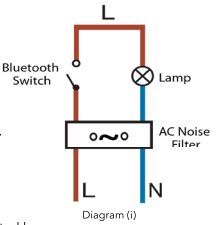


Diagram (i)

You are recommended to:

1. Use the product indoors (avoid humid environment) or in an outdoor-rated box.

2. Turn off the circuit breaker and remove the fuse from the circuit into which you are going to install this product. Disconnect to the power before installation or it will expose you to dangerous voltage.

Safety Instruction

3. Never turn on the gang if it is not connected to any output or it will expose you to dangerous voltage.

4. Identify electrical wires in your location before installation, generally, they are:
   4.1 Live (also called Line, Hot or Power) - usually black, red or brown, marked as L in wiring diagrams.
   4.2 Neutral - usually blue, yellow or white, marked as N in wiring diagrams.

   * Colors of wires are possible to vary, consult an electrician if you are not comfortable with wiring.

5. Strictly follow the provided wiring diagrams (in the Installation Steps section of this User Manual) when installation.

6. Always refer to the Specification section of this User Manual before you decide to connect this product to other appliances.

7. Slightly heat of this product is normal while operation. To avoid overheating, ensure the surrounding area of this product is as clear as possible.

8. Contact licensed electrician to install this product for you. Cut off power if any abnormal phenomenon happened.

Product Features

The concept of our Bluetooth Wall Switch is simple but smart. It is the perfect match of wall switch and Bluetooth 4.0. Every Bluetooth switch utilizes Bluetooth low energy technique as the wireless connection and make an integrated wireless network with interoperability from household appliances, environmental scene adjustment or security setting. You will experience a simple and smart life which you have never had!

Profile Share
Our patent methodology on smart devices allows profile sharing between smart phones, shortening set up files update processes

Re-Mobile
Our patent smart tricks lets Bluetooth interacting with other wireless technologies realizing mobile to mobile remote control

Devices Quantity
Unlimited devices can be added to your smart phone

Room
Group devices and control them all at one click

Security
Set password on app and restrict devices' control to your family only

Smart Automation
By Bluetooth detection, switch devices on automatically when you get home

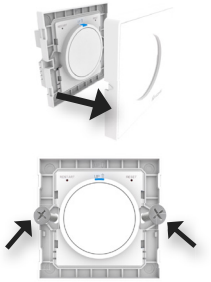
Away Detection
Range determination by Bluetooth, switch off devices when you are away

Timer
Set timer on app, let devices on and off automatically

Status Tracking
Track and reflect devices' status on your smart phone at real time

Response Time
2-7 seconds for initial connection, afterwards 0.02 seconds

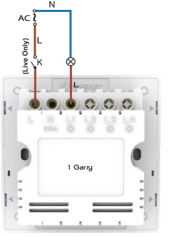
Installation Steps

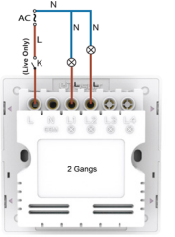


1. Remove the plate from the button box.
2. Follow the wiring diagrams (see below), wiring labels behind the button box and link wires to relative spots.

   * This product supports both Live Only and Live & Neutral wiring methods. Please check out the appropriate wiring method of your location before installation. Contact an electrician to do wiring.
3. Fasten the button box on wall by placing two screws on both sides.
4. Cover the plate on the button box then connect to the power.

Live Only (2-Wire) Wiring Diagrams (1 Gang & 2 Gangs)





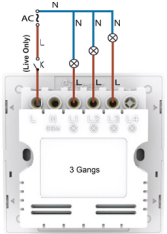
Keys

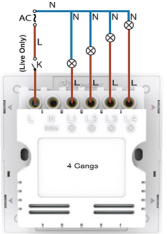
L	▬	Live
N	▬	Neutral
AC	o~o	AC Power
K	⁄ o	Relay
	⊗	Light Bulb

⚠Cautions & Warnings

In case of circuit instability, flickering or no lights, please refer to the Troubleshooting section for solutions.

Live Only (2-Wire) Wiring Diagrams (3 Gangs & 4 Gangs) P.8





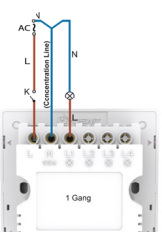
Keys

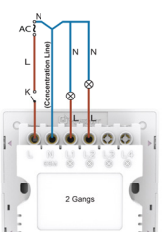
L	▬	Live
N	▬	Neutral
AC	o~o	AC Power
K	⁄ o	Relay
	⊗	Light Bulb

⚠ Cautions & Warnings

In case of circuit instability, flickering or no lights, please refer to the Troubleshooting section for solutions.

Live & Neutral (3-Wire) Wiring Diagrams (1 Gang & 2 Gangs) P.9

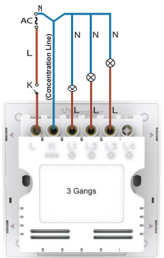


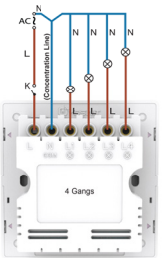


Keys

L	▬	Live
N	▬	Neutral
AC	o~o	AC Power
K	⁄ o	Relay
	⊗	Light Bulb

Live & Neutral (3-Wire) Wiring Diagrams (3 Gangs & 4 Gangs) P.10





Keys

L	▬	Live
N	▬	Neutral
AC	∘~∘	AC Power
K	∘/∘	Relay
	⊗	Light Bulb

Troubleshooting P.11

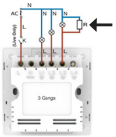


Diagram (i)



Resistor

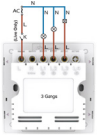


Diagram (ii)



Q: After Live Only (2-Wire) Wiring, I encountered conditions of circuit instability, flickering or no light. How can I solve this situation?

A: Above situations occur due to the low loading of lighting or non-support bulb type. You may

(i). place an resistor at two sides of any one bulb (see diagram (i) on left hand side), or

(ii). replace any one bulb of any one gang either into tungsten lamp or compact fluorescent lamp in series (see wiring with other lamp for diagram (ii) on left hand side), or

(iii). adopt Live & Neutral Wiring (3-Wire) method. Contact an electrician for installation.

Troubleshooting

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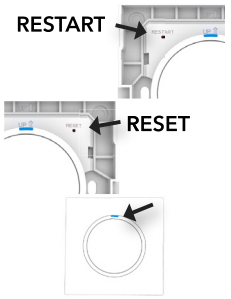

Q: What can I do if I cannot find the Bluetooth signal or the signal is lost?

A: You may re-connect the product and Bluetooth by one click on “RESTART” (on the top left corner after plate removal).

Q: What can I do if forgot my password?

A: You may reset it manually by pressing on “RESET” (on the top right corner of button box after plate removal) for 5 seconds, then entering a new password via our app.

Q: What is the blue LED Light indicated?

A: With power, the blue LED light will be on showing the product is standby for use. It will be off if no power. After power, the LED light will be off again indicating the product is in operation. The light can also be enabled and disabled via our app.

Specifications

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General

Product Name	Apshon Bluetooth Wall Switch
Socket Type	Socket 86 (1-4 Gangs)
Certification and Qualification	CE, FCC, RoHS
App	For App installation and usage, please refer to www.brightfuturegroup.com/support/app-guide for the latest information.
Manufacturer	Designed by Apshon in Hong Kong, Assembled in China

Mechanical

Plastic	V0 Flame-Resistant PC
Size	86 x 86 x 33 (mm)
Operating Environment	Indoors
Operating Temperature Range	-10°C to 50°C
Operating Humidity Range	0-90% relative humidity, non-condensing
Storage Conditions	-20°C to 70°C

Specifications

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Electrical

Input Voltage	AC100-250V
Frequency	50/60Hz Auto Detected at Power-Up
Resistive Load Current	Maximum 10A (sum of all gangs)
Inductive Load Current	Maximum 5A (sum of all gangs)
Minimum Load Power	5Watt (*for Live Only Wiring only)
Standby Power	~0.3Watt
Wiring Options	Support Live Only (2-Wire) and Live & Neutral (3-Wire) Wirings

Bluetooth

Frequency	2.4GHz
Radio Transmission Power	0~4dBm
Bluetooth Range	>50m, open area
Bluetooth Chips Manufacturer	TI
Bluetooth Chips Certification	BQB
Bluetooth Version	4.0
Product Compatibility	Bluetooth Smart Ready Products

Limited Warranty

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Thank you for supporting Apshon. We are pleased to provide you 1-year warranty commencing from the purchase date of product. This warranty is valid only if there is no defects or errors caused by misuse, neglect or disassembly of the components of Apshon Bluetooth Wall Switch without the permission either from Apshon or any of our distributors. Please refer to the Limited Warranty and Limitations sections of this user manual for warranty details.

This Warranty can be applied by online registration. Only application with all required proving evidence and correct contact information will be processed. In case of disputes, Apshon reserves the right to make the final decision.

Limitations

The above limited warranty is in lieu of all other warranties, whether oral or written, express or implied. Any implied warranty, including warranty of merchantability or fitness of the product for a particular purpose shall be limited to 1-year of the above written express warranty. In case of disputes, Apshon reserves the right to make the final decision.

Home automation devices should be regarded as a convenience instead of the only method to control or adjust your home. Any home automation devices do have the chance of operation failure or electrical tampering. In order to optimize devices' use, please strictly follow the instruction before installation and verify devices' state manually whenever necessary.

Warranty Registration

Online Registration : **http://www.brightfuturegroup.com.hk/support/warranty/**

安全指引

注意和警告

請在安裝前，仔細閱讀和理解本用戶手冊的說明並作為進一步的參考。

本產品有機會產生無線電干擾。在這種情況下，請按右圖（圖一）連接合適的交流濾波器。不同國家和地區對無線電干擾的限制有不同標準，請於交流電源線路的使用中接入符合安全標準的電磁兼容性濾波器以消除干擾。

建議：

1. 該產品在室內使用（避免潮濕的環境），或在室外受監控框內。
2. 關閉斷路器和在安裝該產品的電路上去除保險絲。
   安裝前請拔下電源，否則會有接觸高電壓的危險。
3. 在沒有連接到任何輸出時，切勿開啓開關產品，否則會有接觸高電壓的危險。
4. 安裝前確定電線的位置:
   4.1 火線(也稱為電源) - 通常是黑色，紅色或褐色，在接線圖上標記為L。
   4.2 零線 - 通常是藍色，黃色或白色，在接線圖上標記為N。

   * 電線顏色有可能改變，請諮詢有牌照電工。
5. 在安裝時，請嚴格按照提供的接線圖（在安裝本用戶手冊的安裝步驟部分）。
6. 把產品連接到其他家電前，請務必參閱本用戶手冊中的技術規格部分。
7. 在操作這款產品時稍微熱是正常的，為了避免過熱，確保該產品的周邊不被包圍。
8. 請安排有牌照電工來安裝本產品， 如果發生任何不正常的現象，請切斷電源。

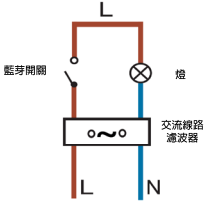


圖 (i)

產品特徵

我們藍牙牆壁開關的概念簡單但附智慧。它是牆壁開關與藍牙4.0的完美組合。 每一個藍牙開關使用藍牙低耗能技術為無線連接，並集合其他無線網絡與家電，環境場景或調整安全設置產生互聯互通。你將體驗一個從未如此有過的簡單而智能的生活！

Profile Share
我們的智能設備允許智能手機之間的資料共享，縮短設置更新的過程。

Re-Mobile
我們的專利智能設備讓藍牙與其他無線技術產生互動作用，實現智能手機與智能手機之間的遙控功能

Devices Quantity
一部智能手機可裝配無限個我們的智能設備

Room
只需要把智能設備在應用程式上組合起來，同一點擊可同時控制所有組合起來的智能設備

Security
只需在應用程式設置密碼，便可限制你和家人以外的人控制你的智能設備

Smart Automation
通過藍牙檢測功能，當你回家，智能設備會自動開啟你預設的裝置

Away Detection
通過藍牙距離檢測功能，當你離開預設範圍，智能設備會自動關閉

Timer
通過應用程式預設時間，可讓智能設備把設置自動開啟和關閉

Status Tracking
智能設備可實時跟踪，把狀態反映在你的智能手機上

Response Time
經過2-7秒的初始連接後，智能設備的反應時間只需0.02秒

安裝步驟



1. 從按鈕框卸下面板。

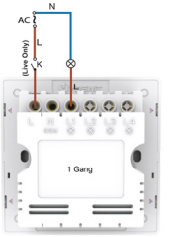
2. 按照接線圖（見下文）和背後按鈕盒的連線標籤把電線連接到相對點。

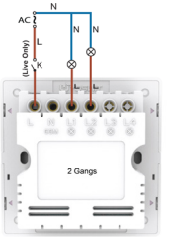
   * 該產品同時支援單火及零火接線方法。安裝前請檢查您所在地的相應接線方法。 請安排有牌照電工來安裝本產品。

3. 用兩個螺釘在兩側把按鈕盒固定在牆上。

4. 把面板放回該按鈕框，然後連接到電源。

單火－接線圖 (1 位 和 2 位)





標記

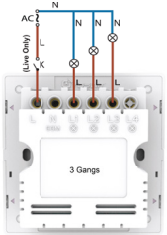
L	▬	火線
N	▬	零線
AC	∘~∘	AC 電源
K	∘/∘	繼電器
	⊗	燈泡

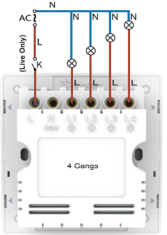
⚠注意和警告

如果電路不穩定，燈具閃閃發光或不亮，請參考故障排除部分的解決方案。

單火－接線圖 (3 位 和 4 位)

P.20





標記

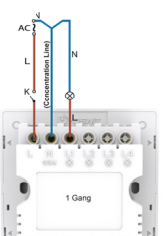
L	▬	火線
N	▬	零線
AC	o∼o	AC 電源
K	⁄ o	繼電器
	⊗	燈泡

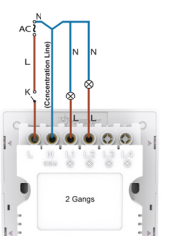
⚠注意和警告

如果電路不穩定，燈具閃閃發光或不亮，請參考故障排除部分的解決方案 。

零火－接線圖 (1 位 和 2 位)

P.21

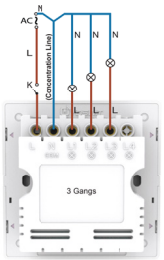


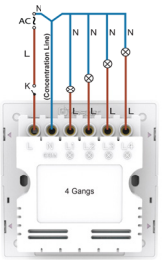


標記

L	▬	火線
N	▬	零線
AC	o∼o	AC 電源
K	⁄ o	繼電器
	⊗	燈泡

零火－接線圖 (3 位 和 4 位)





標記

L	———	火線
N	———	零線
AC	∘~∘	AC 電源
K	∘	繼電器
	⊗	燈泡

故障排除

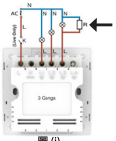


圖 (i)



電阻

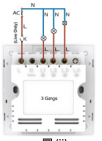


圖 (ii)



問: 用單火接線法後，我遇到電路不穩定，燈具閃閃發光或不亮。我怎樣才能解決這種情況呢？

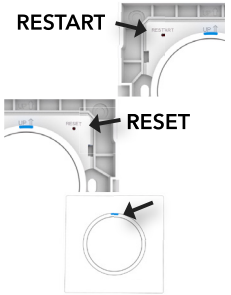
答: 上述情況是由於低負載的燈具或非支援的燈泡。你可以

(i) 放置一個電阻在任何一個燈泡的兩側（見左側圖（i）），或者

(ii) 在任何一位上替換一顆鎢燈或一顆熒光燈（見佈線與其他燈圖（ii））

(iii) 採用零火接線方法。

故障排除



問: 如果找不到藍牙信號或信號丟失， 應如何處理？

答: 首先確保手機或平板等控制裝置有啟動藍牙功能。如果依然無效， 請卸下面板，在左上角點擊 “RESTART” ，然後重新連接產品和藍牙。

問: 如忘記密碼應如何處理？

答: 您可以通過手動按壓 “RESET” 5秒 （卸下面板後的右上角），然後通過應用程序重置一個新的密碼。

問: 藍色的LED燈標明什麼？

答: 當剛接上電源，藍色LED燈將亮起而展示產品在待機狀態。 如果沒有接上電源，這指示燈是熄滅的。接通電源後，指示燈會再次熄滅表明該產品在運作。指示燈的亮起或熄滅可以通過應用程序來控制。

技術規格

一般規格

產品名稱	Apshon 藍牙牆壁開關
插座類型	86型插座(1-4 位)
認證和資格	CE, FCC, RoHS
應用程序	對於應用程序的安裝和使用方法，請參考www.brightfuturegroup.com/support/app-guide了解最新信息。
生產廠商	設計: Apshon 香港 生產: 中國

機械規格

塑材	V0 Flame-Resistant PC
尺寸	86 x 86 x 33 (毫米)
操作環境	室內
操作溫度範圍	-10° C 至 50° C
操作濕度範圍	0-90% 相對濕度, 非冷凝
儲存條件	-20° C 至 70° C

技術規格

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電性規格

輸入電壓	AC100-250V
頻率	50/60Hz 當啟動時會自動檢測
電阻負載電流	最大值 10A (所有位的總和)
電感負載電流	最大值 5A (所有位的總和)
最小負載功率	5W (*只適合單火接線方法)
待機功率	~0.3W
接線方法	支援單火接線方法及零火接線方法

藍牙

頻率	2.4GHz
無線傳輸功率	0~4dBm
藍牙有效範圍	>50m, 空曠區域
藍牙芯片生產商	TI
藍牙芯片認證書	BQB
藍牙版本	4.0
產品兼容性	Bluetooth Smart Ready 產品

保養

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感謝您支持Apshon。 從產品的購買日期開始計算 ，我們很高興為您提供1年的保養期。但本保養不適用于在未得到Apshon或特約經銷商的允許下把Apshon藍牙牆壁開關組件拆卸而產生的缺陷或產品因誤用，疏忽而引起的缺陷。請參照本用戶手冊中的保養和限制部分內的保養細節。

這保養可通過網上登記。只有能提供所需的所有證據證明和正確的聯繫人信息的申請才會被處理。如發生糾紛，Apshon保留最終決定權。

限制

上述的保養將取代所有其他的保證，無論是口頭或書面，明示或暗示的保證。任何默示的保證，包括適銷性或針對產品特定用途的保養應僅限於上述書面標明的保養期1年。如發生糾紛，Apshon保留最終決定權。

家居自動化設備應被視為一種方便，而不是控制或調整你家的唯一方法。任何家居自動化設備確實有運行故障或電篡改的機會。為了優化設備的使用，請在安裝前嚴格按照說明指引，如有需要，請先在手動狀態下驗證設備。

保養登記

網上登記 : http://www.brightfuturegroup.com.hk/support/warranty/



http://www.brightfuturegroup.com.hk/apshon/