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433.92MHz RF 吊扇遥控器  
433.92MHz RF Ceiling Fan Remote  
Controller

Product FCC ID: 2AFR2HBX433RF

## 一. 产品说明 Product Introduction

本产品为吊扇遥控器，主要借由 433.92MHz RF 射频遥控来控制吊扇运作的各项功能。This product is the remote controller of ceiling fan. The frequency of this remote controller is 433.92MHz. We can use this device to control all of function of our ceiling fan product.

## 二. 产品图片 Product Photo



### 三. 产品规格 Specification

1. 工作频率: 433.92MHz ASK RF

Working Frequency: 433.92MHz ASK RF

2. 遥控距离: 15 米 (开放空间)

Working Distance: 15 Meter (Open space)

3. 工作电压: 3V

Working Voltage: 3V

4. 使用电池规格: AAA 碳性电池 (1.5V) \* 2

Battery type: AAA battery (1.5V)\*2

5. 智能对码功能

Smart learning function

6. 尺寸: 150\*44\*10 mm (L \* W \* H)

Size: 150\*44\*10 mm (L \* W \* H)

7. 重量: 49.5gram (发射器本体)

Weight: 49.5gram for remote controller w/o battery

## 四. 按键说明 Key definition

1 : 风速 1 档 Fan speed 1

2 : 风速 2 档 Fan speed 2

3 : 风速 3 档 Fan speed 3

4 : 风速 4 档 Fan speed 4

5 : 风速 5 档 Fan speed 5

6 : 风速 6 档 Fan speed 6



: 风扇关 / 学习键 、

Fan off / Learning key



: 正 / 反转 Fan reverse



: 灯开 Light on





: 灯关 Light on



## 五. 操作说明 Operation Introduction

1. 装电池：将发射器背面电池盖取下，装入 AAA 电池 2 颗后，盖上盖。

Remove the back battery cover and put 2 pieces AAA battery, then cover the battery cover.


2. 发射器配对（学习功能）：取下发射器面盖，吊扇上电后 1


分钟以内按下  +  学习按键 约 1~3 秒，蜂鸣器发出声响后表示发射器与吊扇完成配对，即可开始使用；如果配对失败，重复一次上述的方式完成配对动作。


Remote Controller Learning method: remove the surface cover, turn on the ceiling fan then put  +  within 1~3 minute. Learning success when hearing beep. If learning fail, then repeat this method.

3. 数字键 1~6 为控制吊扇风速。

No.1~6 for fan speed control.

4.  键是控制吊扇的正反转，吊扇在运转状态下，无论当时吊扇处于正转或反转的情形下，按下此按键，吊扇将往原来转向的反方向运转；不过，当吊扇在关闭的状态下，按压此按键是不会有动作的。

 key is for fan reverse control when ceiling fan in working stage. The key has no function when ceiling fan is in off stage.


5.  键是控制灯光开。

 Key is for lighting ON.

6.  键是控制灯光关。

 Key is for lighting OFF.

7.

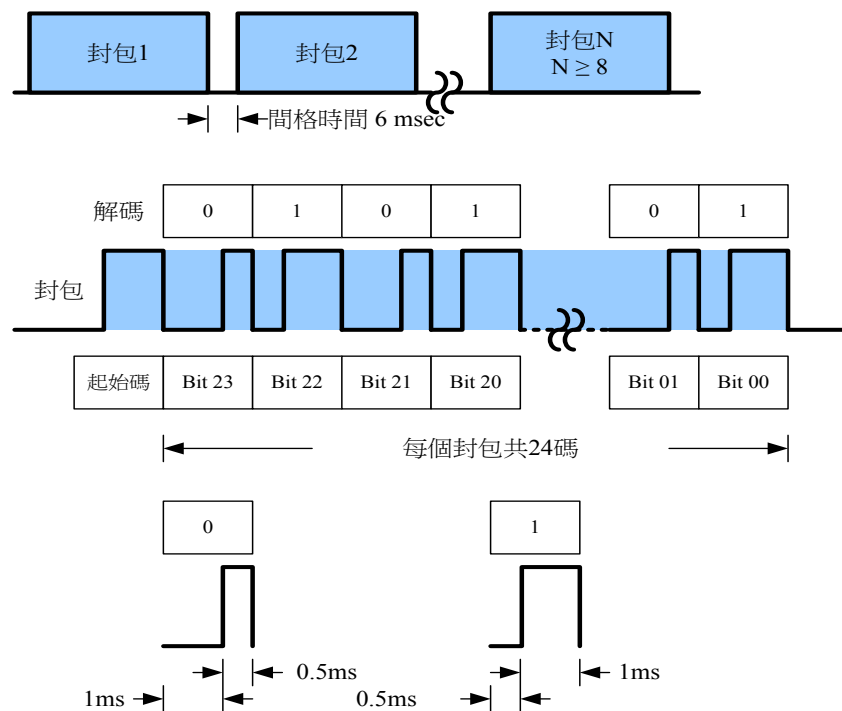
8.  键是风扇 OFF 键，风扇是以风速 1~6 的按键做为启动键，按压 OFF 键，风扇停止运转。

 Key is fan off control. Fan starting key is Key1 to Key6

## 六. 433.92MHz 發射碼格式 Control code

發射碼定義 Code definition :

- 封包為 24 個位元(BIT)
- 封包與封包之間的時間  $T_{inv}$  為 6 ms
- 每組封包均會帶一個起始位元(Start Bit)，用來確保每組封包能正確接收
- 每次按鍵最少會發送 8 組封包，持續按鍵則持續發送；  
當按鍵放開會再發送 8 組封包後停止發送



## 發射碼描述 Transmit code description

Code Number	描述
Start Bit	起始碼, 每個封包均有起始碼
Bit 23	位址碼, 依背面 8 排指撥左起第 1 鍵, ON: “1” / OFF: “0”
Bit 22	位址碼, 依背面 8 排指撥左起第 2 鍵, ON: “1” / OFF: “0”
Bit 21	位址碼, 依背面 8 排指撥左起第 3 鍵, ON: “1” / OFF: “0”
Bit 20	位址碼, 依背面 8 排指撥左起第 4 鍵, ON: “1” / OFF: “0”
Bit 19	位址碼, 依背面 8 排指撥左起第 5 鍵, ON: “1” / OFF: “0”
Bit 18	位址碼, 依背面 8 排指撥左起第 6 鍵, ON: “1” / OFF: “0”
Bit 17	位址碼, 依背面 8 排指撥左起第 7 鍵, ON: “1” / OFF: “0”
Bit 16	位址碼, 依背面 8 排指撥左起第 8 鍵, ON: “1” / OFF: “0”
Bit 15	調光/不可調光切換碼, 依背面右側單排指撥, D: “1” / ON: “0”
Bit 14	保留碼, 輸出“0”
Bit 13	保留碼, 輸出“0”
Bit 12	保留碼, 輸出“0”
Bit 11	保留碼, 輸出“0”
Bit 10	保留碼, 輸出“0”
Bit 09	上燈碼, 按壓“1”, 無按壓“0”
Bit 08	下燈碼, 按壓“1”, 無按壓“0”
Bit 07	轉向碼, 按壓“1”, 無按壓“0”
Bit 06	檔位 6 碼, 按壓“1”, 無按壓“0”
Bit 05	檔位 5 碼, 按壓“1”, 無按壓“0”
Bit 04	檔位 4 碼, 按壓“1”, 無按壓“0”
Bit 03	檔位 3 碼, 按壓“1”, 無按壓“0”
Bit 02	檔位 2 碼, 按壓“1”, 無按壓“0”
Bit 01	檔位 1 碼, 按壓“1”, 無按壓“0”
Bit 00	停止碼, 按壓“1”, 無按壓“0”

### FCC Note

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment NOTE:THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THESE EQUIPMENT.SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.